EXPERIMENTAL CORN YIELD TESTS, MATURITY TESTS, AND GRAY LEAF SPOT TESTS IN NORTH CAROLINA

1988

DEPARTMENT OF CROP SCIENCE

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DATA DESCRIPTION

YIELD, BUSHELS PER ACRE - Based on grain weight corrected to 15.5% moisture.

MOISTURE, % - Grain moisture at harvest.

PLANTS ERECT AT HARVEST, % - the sum of the % root lodged and % stalk lodged plants subtracted from 100. In taking notes on lodging, a plant is classified either root lodged or stalk lodged, not as both.

LODGED PLANTS, ROOT % - based on count of plants leaning more than 30 degrees from the vertical at harvest time and total number of plants.

LODGED PLANTS, STALK % - based on count of plants broken below the ear-bearing node (including plants with dropped ears) and total number of plants.

STAND % - based on the actual count of the plants in a plot and the intended perfect stand. Each plot was overplanted with 10% more seeds than required for the desired final stand.

EAR HEIGHT, CENTIMETERS - average height of the ear node by measuring an average plant per plot.

PLANT HEIGHT, CENTIMETERS - average height to the lower tassel branch by measuring an average plant per plot.

DAYS TO TASSEL - the number of days from planting to 50% pollen shed.

NICK - the number of days from planting to 50% pollen shed subtracted from the number of days from planting to 50% silking.

SELECT - a numerical value obtained by adding the % erect plants at harvest to the yield value in bushels per acre and subtracting five times the % moisture of the grain.

YIELD, METRIC TONS - Megagrams per Hectare calculated by multiplying yield, bushels per acre, by .0628.

STATISTICAL DESIGN - Lattice nested in a Randomized Complete Block.

LSD'S AND F VALUES - These statistics were caculated from entry by environment mean squares (ENTRY x ENV) for two or more locations and replication by entry mean squares (ENTRY x REP) for one location. LSD's for summaries involving years were calculated from environment by entry mean squares where each year-location combination was considered an environment.

DATA DESCRIPTION (continued)

DISEASE SCORES - 9 is best, 90% leaf area disease free; 1 is worst, only 10% of leaf area disease free.

KICK, EAR QUALITY, AND LODGING - 9 is best, 1 is worst.

Table 1. Experiment 01 Analysis over locations and years for GC88, MM2217, TZ70, OH43E, FL FSHMR, Top Crosses 1988

Year 1988: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1987: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1986: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
01	1	122	18.4	89	6	6	96	110	237	74	.7	119	7.67	5 GC88	XT3 311X12 (85)	4064-001 (84)
01	2	119	18.5	90	5	5	98	109	231	75	.6	117	7.49	9 GC88	XT3 319X20 (85)	4065-002 (84)
01	3	112	17.1	96	1	3	100	96	225	71	1.3	123	7.02	13 MM2217	XT3 327X28 (85)	4074-002 (84)
01	4	117	17.8	97	1	2	97	89	218	70	.8	126	7.36	21 TZ70	XT3 343X44 (85)	4081-001 (84)
01	5	117	18.0	96	1	3	97	94	220	71	.6	122	7.34	26 TZ70	XT3 353X54 (85)	4082-002 (84)
01	6	120	17.8	96	2	2	100	90	218	70	1.6	127	7.53	27 TZ70	XT3 355X56 (85)	4082-003 (84)
01	7	130	17.3	94	2	4	103	95	222	71	1.0	137	8.14	28 TZ70	XT3 357X58 (85)	4084-001 (84)
01	8	123	17.3	91	2	7	101	92	222	70	.7	127	7.70	29 TZ70	XT3 359X60 (85)	4084-002 (84)
01	9	123	17.3	92	3	6	99	97	225	70	1.0	128	7.71	626 TZ70	XT3 5531X32 (85)	17-001 (85)
01	10	109	17.0	98	0	2	104	93	218	71	1.1	122	6.87	619 MM2217(MO17RG) S5	94XT3 5517X18 (85)	30-002 (85)
01	11	112	16.4	97	0	2	101	86	209	69	1.2	127	7.02	623 OH43E(MO17) S1	88XT3 5525X26 (85)	2234-002 (83)
01	12	124	18.5	92	3	5	104	92	219	69	.3	123	7.76	629 FL FSHMR(VA35G)S4	88XT3 5537X38 (85)	3127-001 (85)
01	13	116	16.2	95	1	5	103	105	228	71	1.0	130	7.28	615 MO17HT	XT3 5509X10 (85)	DOWNING (85)
01	14	117	17.6	93	2	4	105	96	219	70	.3	123	7.37	636 VA59	XT6 5551X52 (85)	216-001 (85)
01	15	126	17.2	97	1	3	98	109	229	72	.7	137	7.90	901 B73HT X MO17HT		REC. 1987
01	16	121	17.8	87	5	8	99	103	232	72	.3	119	7.59	905 PIONEER 3369A		REC. 1986
01	17	125	18.0	98	1	1	96	103	224	71	.9	133	7.84	906 PIONEER 3389		REC. 1985
01	18	141	20.1	94	5	1	101	110	234	76	.2	134	8.84	902 PIONEER 3165		REC. 1987
01	19	122	18.1	97	1	2	97	100	227	73	.3	128	7.66	904 PIONEER 3358		REC. 1984
01	20	136	18.4	96	2	3	98	115	233	75	.2	140	8.56	909 DEKALB 689		REC. 1986
		121	17.7	94	2	4	100	99	224	72	.7	127	7.63	EXPERIMENT MEANS		
		9	.7	14	12	4	7	11	11	2	.8	23	.88	LSD .05 (ENTRY x ENV)		
		12	.9	18	16	5	10	14	15	3	1.0	31	1.17	LSD .01 (ENTRY x ENV)		
		8	4.	6	196	110	5	7	3	2	70	10	8.	C. V. % (ENTRY x ENV)		

T 3 = A632Ht x B73Ht
T 6 = B73Ht x Mo17Ht

Table 2. Experiment 01 Analysis over locations for GC88, MM2217, TZ70, OH43E, FL FSHMR, Top Crosses 1988

Locations: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
01	1	128	20.4	92	2	6	102	118	257	70	.3	117	8.02	5	GC88 XT3	311X12 (85) 4064-001 (84)
01	2	121	20.3	90	8	2	99	120	250	72	.3	109	7.57	9	GC88 XT3	319X20 (85) 4065-002 (84)
01	3	118	18.6	97	2	1	102	108	249	66	1.3	122	7.40	13	MM2217 XT3	327X28 (85) 4074-002 (84)
01	4	122	19.2	97	0	2	105	104	236	66	.3	124	7.68	21	TZ70 XT3	343X44 (85) 4081-001 (84)
01	5	120	19.5	99	0	1	103	107	237	66	.7	122	7.54	26	TZ70 XT3	353X54 (85) 4082-002 (84)
01	6	133	19.3	98	0	1	107	104	240	66	.7	135	8.38	27	TZ70 XT3	355X56 (85) 4082-003 (84)
01	7	130	18.7	96	0	4	106	104	242	66	.0	132	8.18	28	TZ70 XT3	357X58 (85) 4084-001 (84)
01	8	129	19.0	94	2	3	105	105	244	66	.0	128	8.12	29	TZ70 XT3	359X60 (85) 4084-002 (84)
01	9	127	18.7	93	1	6	105	110	244	66	.3	127	8.00	626	TZ70 XT3	5531X32 (85) 17-001 (85)
01	10	119	18.8	99	0	1	108	105	239	66	1.0	124	7.49	619	MM2217(MO17RG) S5	94XT3 5517X18 (85) 30-002 (85)
01	11	127	18.0	97	1	2	104	105	234	65	.3	134	8.01	623	OH43E(MO17) S1	88XT3 5525X26 (85) 2234-002 (83)
01	12	130	20.6	95	1	4	108	103	236	65	.0	123	8.17	629	FL FSHMR(VA35G)S4	88XT3 5537X38 (85) 3127-001 (85)
01	13	127	17.5	97	1	2	106	121	253	66	1.0	137	7.99	615	MO17HT XT3	5509X10 (85) DOWNING (85)
01	14	126	19.9	95	3	2	108	109	241	66	.0	122	7.93	636	VA59 XT6	5551X52 (85) 216-001 (85)
01	15	143	18.8	99	1	1	104	123	250	68	.7	149	9.01	901	B73HT X MO17HT	REC. 1987
01	16	137	19.4	89	4	7	105	121	259	68	-1.0	131	8.64	905	PIONEER 3369A	REC. 1986
01	17	147	19.6	98	1	1	102	123	252	68	.0	148	9.21	906	PIONEER 3389	REC. 1985
01	18	146	21.5	90	9	1	108	123	254	73	.0	129	9.19	902	PIONEER 3165	REC. 1987
01	19	138	19.8	99	0	2	104	119	250	70	.0	138	8.66	904	PIONEER 3358	REC. 1984
01	20	144	19.3	98	0	2	106	125	253	72	-.7	145	9.04	909	DEKALB 689	REC. 1986
		131	19.4	96	2	3	105	113	246	68	.3	130	8.21		EXPERIMENT MEANS	
		15	.6	14	12	4	7	11	11	2	.8	23	.88		LSD .05 (ENTRY x ENV)	
		20	.8	18	16	5	10	14	15	3	1.0	31	1.17		LSD .01 (ENTRY x ENV)	
		5	2.	5	187	82	3	7	3	2	178	6	5.		C. V. % (ENTRY x ENV)	

T 3 = A632Ht x B73Ht
T 6 = B73Ht x Mo17Ht

Table 3. Experiment C01 Clayton, N.C. GC88, MM2217, TZ70, OH43E, FL FSHMR, Top Crosses 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C01	1	144	19.8	89	6	5	106	123	273	70	.3	134	9.06	5	GC88	XT3 311X12 (85) 4064-001 (84)
C01	2	126	19.8	79	20	1	105	126	262	72	.3	106	7.93	9	GC88	XT3 319X20 (85) 4065-002 (84)
C01	3	131	18.5	98	0	2	106	98	257	66	1.3	137	8.21	13	MM2217	XT3 327X28 (85) 4074-002 (84)
C01	4	137	19.3	99	0	1	113	86	242	66	.3	140	8.60	21	TZ70	XT3 343X44 (85) 4081-001 (84)
C01	5	128	19.3	99	0	1	109	99	247	66	.7	131	8.04	26	TZ70	XT3 353X54 (85) 4082-002 (84)
C01	6	132	19.2	99	0	1	109	86	242	66	.7	136	8.32	27	TZ70	XT3 355X56 (85) 4082-003 (84)
C01	7	143	18.4	98	1	1	110	94	252	66	.0	149	9.01	28	TZ70	XT3 357X58 (85) 4084-001 (84)
C01	8	139	19.0	97	0	3	106	95	250	66	.0	141	8.71	29	TZ70	XT3 359X60 (85) 4084-002 (84)
C01	9	141	18.6	96	0	4	109	95	253	66	.3	144	8.86	626	TZ70	XT3 5531X32 (85) 17-001 (85)
C01	10	140	18.7	100	0	0	112	89	237	66	1.0	147	8.82	619	MM2217(MO17RG) S5	94XT3 5517X18 (85) 30-002 (85)
C01	11	136	17.7	99	0	1	106	94	237	65	.3	147	8.56	623	OH43E(MO17) S1	88XT3 5525X26 (85) 2234-002 (83)
C01	12	146	20.3	99	1	0	110	106	252	65	.0	144	9.16	629	FL FSHMR(VA35G)S4	88XT3 5537X38 (85) 3127-001 (85)
C01	13	131	17.1	98	2	0	110	117	260	66	1.0	144	8.21	615	MO17HT	XT3 5509X10 (85) DOWNING (85)
C01	14	135	19.4	92	6	2	109	100	245	66	.0	131	8.50	636	VA59	XT6 5551X52 (85) 216-001 (85)
C01	15	155	18.5	97	2	1	107	119	263	68	.7	159	9.72	901	B73HT X MO17HT	REC. 1987
C01	16	158	19.1	88	9	2	108	112	270	68	-1.0	152	9.95	905	PIONEER 3369A	REC. 1986
C01	17	163	19.5	99	0	1	102	118	262	68	.0	165	10.24	906	PIONEER 3389	REC. 1985
C01	18	167	21.4	83	17	0	111	126	272	73	.0	143	10.48	902	PIONEER 3165	REC. 1987
C01	19	161	19.7	100	0	0	106	117	263	70	.0	163	10.14	904	PIONEER 3358	REC. 1984
C01	20	157	19.5	100	0	0	107	124	263	72	-.7	160	9.88	909	DEKALB 689	REC. 1986
		144	19.1	96	3	1	108	106	255	68	.3	144	9.02		EXPERIMENT MEANS	
		14	.4	13	12	4	6	10	10	1	.8	22	.88		LSD .05 (ENTRY x REP)	
		19	.5	17	16	5	9	13	14	2	1.0	30	1.17		LSD .01 (ENTRY x REP)	
		6	1.3	8	220	188	3	5	2	1	178	9	6.		C. V. % (ENTRY x REP)	
		97	92.	97	99	92	129	106	91	115	97	87	97.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht
T 6 = B73Ht x Mo17Ht

Table 4. Experiment L01 Lewiston, N.C. GC88, MM2217, TZ70, OH43E, FL FSHMR, Top Crosses 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L01	1	111	21.6	93	1	7	101	110	243	0	.0	94	6.95	5	GC88	XT3 311X12 (85) 4064-001 (84)
L01	2	122	21.3	96	4	1	100	113	245	0	.0	110	7.65	9	GC88	XT3 319X20 (85) 4065-002 (84)
L01	3	116	18.7	93	6	1	105	110	237	0	.0	116	7.29	13	MM2217	XT3 327X28 (85) 4074-002 (84)
L01	4	118	19.2	98	1	1	103	105	222	0	.0	122	7.39	21	TZ70	XT3 343X44 (85) 4081-001 (84)
L01	5	113	19.9	101	-1	0	102	107	224	0	.0	113	7.09	26	TZ70	XT3 353X54 (85) 4082-002 (84)
L01	6	135	19.7	98	0	1	107	105	233	0	.0	135	8.51	27	TZ70	XT3 355X56 (85) 4082-003 (84)
L01	7	122	19.0	92	-2	10	106	102	230	0	.0	117	7.65	28	TZ70	XT3 357X58 (85) 4084-001 (84)
L01	8	121	19.2	88	7	4	104	106	238	0	.0	112	7.58	29	TZ70	XT3 359X60 (85) 4084-002 (84)
L01	9	120	18.8	88	4	9	106	119	236	0	.0	115	7.55	626	TZ70	XT3 5531X32 (85) 17-001 (85)
L01	10	115	18.9	98	1	1	112	110	239	0	.0	118	7.21	619	MM2217(MO17RG) S5	94XT3 5517X18 (85) 30-002 (85)
L01	11	121	18.7	93	2	5	102	110	230	0	.0	121	7.62	623	OH43E(MO17) S1	88XT3 5525X26 (85) 2234-002 (83)
L01	12	124	21.5	94	2	5	107	92	214	0	.0	111	7.81	629	FL FSHMR(VA35G)S4	88XT3 5537X38 (85) 3127-001 (85)
L01	13	123	18.2	95	1	6	103	119	248	0	.0	125	7.70	615	MO17HT	XT3 5509X10 (85) DOWNING (85)
L01	14	119	20.9	96	4	0	108	111	231	0	.0	111	7.47	636	VA59	XT6 5551X52 (85) 216-001 (85)
L01	15	135	19.4	99	1	1	103	131	245	0	.0	140	8.51	901	B73HT X MO17HT	REC. 1987
L01	16	128	19.6	88	2	9	103	127	255	0	.0	119	8.06	905	PIONEER 3369A	REC. 1986
L01	17	138	19.9	98	2	0	103	128	245	0	.0	138	8.66	906	PIONEER 3389	REC. 1985
L01	18	137	21.7	88	9	2	107	121	235	0	.0	116	8.58	902	PIONEER 3165	REC. 1987
L01	19	127	20.6	101	-1	1	107	116	239	0	.0	125	8.00	904	PIONEER 3358	REC. 1984
L01	20	132	19.2	100	1	0	107	128	247	0	.0	135	8.32	909	DEKALB 689	REC. 1986
		124	19.8	95	2	3	105	113	237	0	.0	120	7.78		EXPERIMENT MEANS	
		20	1.0	10	8	5	7	15	18	0	.0	24	1.24		LSD .05 (ENTRY x REP)	
		27	1.4	13	11	7	10	20	25	0	.0	32	1.68		LSD .01 (ENTRY x REP)	
		10	3.1	6	235	102	4	8	5	0	0	12	10.		C. V. % (ENTRY x REP)	
		102	83.	109	114	99	128	109	164	0	0	99	102.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht
T 6 = B73Ht x Mo17Ht

Table 5. Experiment P01 Plymouth, N.C. GC88, MM2217, TZ70, OH43E, FL FSHMR, Top Crosses 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P01	1	128	19.8	93	0	7	100	120	254	0	.0	122	8.05	5	GC88 XT3	311X12 (85) 4064-001 (84)
P01	2	114	19.9	95	0	5	93	120	244	0	.0	110	7.14	9	GC88 XT3	319X20 (85) 4065-002 (84)
P01	3	107	18.7	101	0	0	96	117	253	0	.0	114	6.69	13	MM2217 XT3	327X28 (85) 4074-002 (84)
P01	4	112	19.2	95	0	5	100	120	243	0	.0	111	7.06	21	TZ70 XT3	343X44 (85) 4081-001 (84)
P01	5	119	19.4	98	0	2	97	115	239	0	.0	121	7.50	26	TZ70 XT3	353X54 (85) 4082-002 (84)
P01	6	132	19.1	98	0	2	104	120	245	0	.0	135	8.30	27	TZ70 XT3	355X56 (85) 4082-003 (84)
P01	7	125	18.7	98	0	2	101	116	244	0	.0	130	7.88	28	TZ70 XT3	357X58 (85) 4084-001 (84)
P01	8	128	18.9	97	0	3	105	113	244	0	.0	131	8.06	29	TZ70 XT3	359X60 (85) 4084-002 (84)
P01	9	121	18.8	95	0	5	99	117	244	0	.0	122	7.59	626	TZ70 XT3	5531X32 (85) 17-001 (85)
P01	10	102	18.8	98	0	2	101	116	240	0	.0	106	6.43	619	MM2217(MO17RG) S5 94XT3	5517X18 (85) 30-002 (85)
P01	11	125	17.6	99	0	1	104	111	234	0	.0	135	7.85	623	OH43E(MO17) S1 88XT3	5525X26 (85) 2234-002 (83)
P01	12	120	19.9	92	0	8	107	110	241	0	.0	113	7.55	629	FL FSHMR(VA35G)S4 88XT3	5537X38 (85) 3127-001 (85)
P01	13	128	17.1	99	0	1	106	126	250	0	.0	142	8.07	615	MO17HT XT3	5509X10 (85) DOWNING (85)
P01	14	125	19.4	97	0	3	107	115	246	0	.0	124	7.83	636	VA59 XT6	5551X52 (85) 216-001 (85)
P01	15	140	18.5	101	0	0	102	119	243	0	.0	149	8.81	901	B73HT X MO17HT	REC. 1987
P01	16	126	19.4	91	0	9	104	123	251	0	.0	121	7.91	905	PIONEER 3369A	REC. 1986
P01	17	139	19.5	98	0	2	100	124	249	0	.0	140	8.72	906	PIONEER 3389	REC. 1985
P01	18	135	21.3	100	0	0	105	122	255	0	.0	128	8.50	902	PIONEER 3165	REC. 1987
P01	19	125	19.0	96	0	4	100	123	249	0	.0	126	7.85	904	PIONEER 3358	REC. 1984
P01	20	142	19.2	95	0	5	105	123	250	0	.0	141	8.92	909	DEKALB 689	REC. 1986
		125	19.1	97	0	3	102	119	246	0	.0	126	7.84		EXPERIMENT MEANS	
		13	.5	5	0	5	8	13	9	0	.0	17	.84		LSD .05 (ENTRY x REP)	
		18	.7	7	0	7	11	17	12	0	.0	23	1.14		LSD .01 (ENTRY x REP)	
		6	1.6	3	0	92	5	6	2	0	0	8	6.		C. V. % (ENTRY x REP)	
		101	89.	112	0	112	105	104	166	0	0	103	101.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht
T 6 = B73Ht x Mo17Ht

Table 6. Experiment 03 Analysis over locations and years for 94% B73 Maydis Top Crosses, 1988

Year 1988: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1987: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1986: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
03	1	113	17.2	97	0	3	92	97	221	70	1.0	124	7.08	37	B73 MAYDIS S1 94XT5	375X76 (85) G4123-02 (83)
03	2	105	17.5	96	0	3	87	100	224	72	.8	114	6.58	38	B73 MAYDIS S1 94XT5	377X78 (85) G4123-03 (83)
03	3	112	17.2	94	0	5	94	101	223	70	1.0	121	7.01	47	B73 MAYDIS S2 94XT5	395X96 (85) 1276-002 (84)
03	4	108	16.9	98	0	2	93	96	225	72	1.3	121	6.78	581	B73 MAYDIS S2 94XT5	489X90 (87) 3064-002 (83)
03	5	117	17.0	96	1	4	96	99	225	71	1.3	128	7.35	83	B73 MAYDIS S4 94XT5	467X68 (85) 4174-002 (84)
03	6	107	17.1	98	0	2	89	104	232	72	.9	119	6.70	85	B73 MAYDIS S4 94XT5	471X72 (85) 4177-002 (84)
03	7	106	17.4	97	0	2	90	96	223	71	.9	117	6.68	97	B73 MAYDIS S4 94XT5	495X96 (85) 4182-003 (84)
03	8	113	17.0	97	0	3	96	103	230	72	1.2	125	7.10	336	B73 MAYDIS FLINT S194XT5	973X74 (85) 2636-001 (83)
03	9	108	17.2	96	1	3	94	95	221	71	1.0	118	6.76	338	B73 MAYDIS FLINT S294XT5	977X78 (85) 3N00335 (??)
03	10	114	17.2	96	0	4	101	100	223	71	1.2	124	7.16	608	B73 MAYDIS FLINT S294XT5	5495X96 (85) 2976-001 (85)
03	11	120	17.2	96	0	4	102	101	226	71	1.8	130	7.54	609	B73 MAYDIS FLINT S294XT5	5497X98 (85) 2976-002 (85)
03	12	113	17.3	98	0	2	104	99	225	71	1.4	124	7.06	610	B73 MAYDIS FLINT S294XT5	5499X00 (85) 2976-003 (85)
03	13	118	17.2	96	0	4	102	104	231	71	.9	127	7.41	613	B73 MAYDIS FLINT S294XT5	495X96 (87) 2977-003 (85)
03	14	122	17.1	94	1	5	99	104	229	72	1.3	132	7.69	901	B73HT X MO17HT	REC. 1987
03	15	121	18.0	89	5	6	99	104	233	71	.3	118	7.56	905	PIONEER 3369A	REC. 1986
03	16	119	18.0	95	2	3	95	100	225	72	1.2	124	7.45	906	PIONEER 3389	REC. 1985
03	17	133	19.8	90	8	3	100	110	234	76	.7	124	8.33	902	PIONEER 3165	REC. 1987
03	18	116	17.9	98	1	1	97	99	224	73	.2	124	7.30	904	PIONEER 3358	REC. 1984
03	19	110	17.7	96	0	4	101	94	225	70	1.3	117	6.88	910	B73 X MM2217	REC. 1986
03	20	126	18.4	94	2	4	96	110	232	74	1.2	129	7.94	909	DEKALB 689	REC. 1986
		115	17.5	96	1	3	96	101	227	72	1.0	123	7.22		EXPERIMENT MEANS	
		8	.5	5	3	3	9	10	8	2	1.1	15	.79		LSD .05 (ENTRY x ENV)	
		11	.6	6	4	3	12	13	11	2	1.5	19	1.07		LSD .01 (ENTRY x ENV)	
		8	3.	5	377	80	6	6	3	2	49	9	7.		C. V. % (ENTRY x ENV)	

T 5 = Mo17Ht x Oh43E

Table 7. Experiment 03 Analysis over locations for 94% B73 Maydis Top Crosses, 1988

Locations: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE			SOURCE
03	1	116	18.6	100	0	1	87	108	239	67	.0	123	7.28	37	B73 MAYDIS S1	94XT5	375X76 (85)	G4123-02 (83)
03	2	102	18.9	97	0	3	78	109	238	67	.7	106	6.44	38	B73 MAYDIS S1	94XT5	377X78 (85)	G4123-03 (83)
03	3	120	18.4	95	0	5	94	109	241	66	.3	123	7.55	47	B73 MAYDIS S2	94XT5	395X96 (85)	1276-002 (84)
03	4	122	18.3	98	1	2	97	112	248	67	1.3	128	7.68	581	B73 MAYDIS S2	94XT5	489X90 (87)	3064-002 (83)
03	5	130	18.2	98	0	2	99	115	247	66	1.3	137	8.16	83	B73 MAYDIS S4	94XT5	467X68 (85)	4174-002 (84)
03	6	106	18.3	99	0	0	82	115	249	67	.3	114	6.63	85	B73 MAYDIS S4	94XT5	471X72 (85)	4177-002 (84)
03	7	110	18.8	98	1	2	87	110	244	66	.3	115	6.92	97	B73 MAYDIS S4	94XT5	495X96 (85)	4182-003 (84)
03	8	127	18.5	98	0	1	98	115	247	67	.7	134	7.97	336	B73 MAYDIS FLINT	S194XT5	973X74 (85)	2636-001 (83)
03	9	112	18.9	97	0	3	94	105	229	66	1.0	113	7.01	338	B73 MAYDIS FLINT	S294XT5	977X78 (85)	3N00335 (??)
03	10	131	18.9	97	0	3	103	109	243	66	.7	134	8.22	608	B73 MAYDIS FLINT	S294XT5	5495X96 (85)	2976-001 (85)
03	11	137	18.6	99	0	1	105	113	243	67	.3	142	8.58	609	B73 MAYDIS FLINT	S294XT5	5497X98 (85)	2976-002 (85)
03	12	121	18.7	99	0	1	105	117	246	66	2.0	127	7.62	610	B73 MAYDIS FLINT	S294XT5	5499X00 (85)	2976-003 (85)
03	13	128	18.6	96	1	3	105	113	247	67	1.0	131	8.07	613	B73 MAYDIS FLINT	S294XT5	495X96 (87)	2977-003 (85)
03	14	137	18.7	99	0	1	103	120	247	67	1.3	143	8.61	901	B73HT X MO17HT			REC. 1987
03	15	137	19.6	93	4	3	101	120	255	68	-.3	130	8.57	905	PIONEER 3369A			REC. 1986
03	16	138	19.9	98	1	2	99	118	248	68	.3	135	8.65	906	PIONEER 3389			REC. 1985
03	17	142	20.9	95	4	1	105	124	254	73	.0	132	8.92	902	PIONEER 3165			REC. 1987
03	18	133	19.4	98	1	1	101	115	246	69	-.3	135	8.37	904	PIONEER 3358			REC. 1984
03	19	123	19.2	98	0	2	105	107	241	66	1.0	125	7.76	910	B73 X MM2217			REC. 1986
03	20	133	19.4	95	0	5	99	124	253	71	.0	131	8.35	909	DEKALB 689			REC. 1986
		125	18.9	97	1	2	97	114	245	67	.6	128	7.87		EXPERIMENT MEANS			
		14	.6	5	3	2	9	10	8	2	1.1	15	.79		LSD .05 (ENTRY x ENV)			
		18	.8	6	4	2	12	13	11	2	1.5	19	1.07		LSD .01 (ENTRY x ENV)			
		6	2.	3	310	83	4	5	3	2	111	8	6.		C. V. % (ENTRY x ENV)			

T 5 = Mo17Ht x Oh43E

Table 8. Experiment C03 Clayton, N.C. 94% B73 Maydis Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C03	1	117	18.5	100	0	0	86	103	250	67	.0	126	7.35	37	B73 MAYDIS S1 94XT5 375X76 (85)	G4123-02 (83)
C03	2	112	18.7	100	0	0	79	102	251	67	.7	120	7.06	38	B73 MAYDIS S1 94XT5 377X78 (85)	G4123-03 (83)
C03	3	127	17.7	98	0	2	93	112	255	66	.3	136	7.98	47	B73 MAYDIS S2 94XT5 395X96 (85)	1276-002 (84)
C03	4	138	17.8	99	0	1	103	107	257	67	1.3	146	8.68	581	B73 MAYDIS S2 94XT5 489X90 (87)	3064-002 (83)
C03	5	139	17.8	98	0	2	98	102	255	66	1.3	149	8.74	83	B73 MAYDIS S4 94XT5 467X68 (85)	4174-002 (84)
C03	6	122	17.8	100	0	0	88	108	261	67	.3	134	7.64	85	B73 MAYDIS S4 94XT5 471X72 (85)	4177-002 (84)
C03	7	120	18.6	100	0	0	87	102	245	66	.3	128	7.52	97	B73 MAYDIS S4 94XT5 495X96 (85)	4182-003 (84)
C03	8	145	17.9	100	0	0	101	116	259	67	.7	157	9.09	336	B73 MAYDIS FLINT S194XT5 973X74 (85)	2636-001 (83)
C03	9	138	18.5	100	0	0	97	97	245	66	1.0	145	8.64	338	B73 MAYDIS FLINT S294XT5 977X78 (85)	3N00335 (??)
C03	10	150	18.4	100	0	0	107	103	250	66	.7	157	9.44	608	B73 MAYDIS FLINT S294XT5 5495X96 (85)	2976-001 (85)
C03	11	146	18.3	99	0	1	107	108	256	67	.3	153	9.14	609	B73 MAYDIS FLINT S294XT5 5497X98 (85)	2976-002 (85)
C03	12	140	18.4	99	0	1	106	111	255	66	2.0	146	8.79	610	B73 MAYDIS FLINT S294XT5 5499X00 (85)	2976-003 (85)
C03	13	149	18.3	99	0	1	104	113	261	67	1.0	157	9.37	613	B73 MAYDIS FLINT S294XT5 495X96 (87)	2977-003 (85)
C03	14	154	17.9	99	0	1	104	116	257	67	1.3	166	9.67	901	B73HT X MO17HT	REC. 1987
C03	15	157	18.7	98	0	2	103	115	265	68	-.3	160	9.87	905	PIONEER 3369A	REC. 1986
C03	16	159	19.5	100	0	0	105	117	259	68	.3	161	9.96	906	PIONEER 3389	REC. 1985
C03	17	156	20.9	90	9	1	106	126	267	73	.0	140	9.78	902	PIONEER 3165	REC. 1987
C03	18	157	19.3	100	0	0	104	110	257	69	-.3	160	9.85	904	PIONEER 3358	REC. 1984
C03	19	138	18.8	100	0	0	106	102	255	66	1.0	143	8.69	910	B73 X MM2217	REC. 1986
C03	20	145	19.8	99	0	1	100	126	264	71	.0	146	9.12	909	DEKALB 689	REC. 1986
		140	18.6	99	0	1	99	110	256	67	.6	147	8.82		EXPERIMENT MEANS	
		13	.9	4	3	2	8	9	7	1	1.1	14	.79		LSD .05 (ENTRY x REP)	
		17	1.2	5	4	2	11	12	10	1	1.5	18	1.07		LSD .01 (ENTRY x REP)	
		5	2.9	2	399	189	5	5	2	1	111	6	5.		C. V. % (ENTRY x REP)	
		100	90.	94	100	95	102	126	105	102	94	108	100.		R. E % (LATTICE)	

T 5 =Mo17Ht x Oh43E

Table 9. Experiment L03 Lewiston, N.C. 94% B73 Maydis Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L03	1	115	18.9	98	0	2	88	108	225	0	.0	117	7.21	37	B73 MAYDIS S1 94XT5 375X76 (85)	G4123-02 (83)
L03	2	107	19.7	97	0	3	87	105	220	0	.0	105	6.72	38	B73 MAYDIS S1 94XT5 377X78 (85)	G4123-03 (83)
L03	3	116	19.2	91	0	9	98	102	230	0	.0	112	7.27	47	B73 MAYDIS S2 94XT5 395X96 (85)	1276-002 (84)
L03	4	111	19.0	97	2	2	95	115	243	0	.0	114	6.94	58	1B73 MAYDIS S2 94XT5 489X90 (87)	3064-002 (83)
L03	5	130	18.8	98	0	2	104	125	239	0	.0	135	8.18	83	B73 MAYDIS S4 94XT5 467X68 (85)	4174-002 (84)
L03	6	105	18.6	98	0	1	87	123	245	0	.0	111	6.58	85	B73 MAYDIS S4 94XT5 471X72 (85)	4177-002 (84)
L03	7	109	19.3	97	2	1	92	113	243	0	.0	111	6.84	97	B73 MAYDIS S4 94XT5 495X96 (85)	4182-003 (84)
L03	8	126	19.4	97	0	2	102	115	236	0	.0	128	7.91	336	B73 MAYDIS FLINT S194XT5 973X74 (85)	2636-001 (83)
L03	9	100	19.3	99	1	1	101	105	203	0	.0	99	6.31	338	B73 MAYDIS FLINT S294XT5 977X78 (85)	3N00335 (??)
L03	10	125	19.7	97	0	3	107	110	232	0	.0	125	7.84	608	B73 MAYDIS FLINT S294XT5 5495X96 (85)	2976-001 (85)
L03	11	139	19.1	99	0	0	108	113	231	0	.0	141	8.71	609	B73 MAYDIS FLINT S294XT5 5497X98 (85)	2976-002 (85)
L03	12	102	19.4	99	0	1	107	117	235	0	.0	105	6.41	610	B73 MAYDIS FLINT S294XT5 5499X00 (85)	2976-003 (85)
L03	13	111	19.2	93	2	6	105	108	228	0	.0	106	6.96	613	B73 MAYDIS FLINT S294XT5 495X96 (87)	2977-003 (85)
L03	14	130	19.2	98	0	2	105	123	239	0	.0	132	8.18	901	B73HT X MO17HT	REC. 1987
L03	15	121	20.6	83	12	5	99	120	247	0	.0	99	7.57	905	PIONEER 3369A	REC. 1986
L03	16	131	20.7	96	2	3	99	118	239	0	.0	123	8.25	906	PIONEER 3389	REC. 1985
L03	17	133	21.3	96	4	0	107	122	247	0	.0	123	8.37	902	PIONEER 3165	REC. 1987
L03	18	123	20.1	98	2	0	104	117	238	0	.0	121	7.74	904	PIONEER 3358	REC. 1984
L03	19	115	19.8	95	0	5	104	100	221	0	.0	111	7.24	910	B73 X MM2217	REC. 1986
L03	20	130	18.9	93	0	7	106	120	246	0	.0	127	8.14	909	DEKALB 689	REC. 1986
		119	19.5	96	1	3	100	114	234	0	.0	117	7.47		EXPERIMENT MEANS	
		19	.8	8	4	5	8	14	18	0	.0	24	1.17		LSD .05 (ENTRY x REP)	
		25	1.1	11	5	7	11	19	25	0	.0	32	1.59		LSD .01 (ENTRY x REP)	
		9	2.6	5	195	114	5	7	5	0	0	12	9.		C. V. % (ENTRY x REP)	
		159	100.	101	98	108	117	98	119	0	0	124	159.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 10. Experiment P03 Plymouth, N.C. 94% B73 Maydis Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P03	1	116	18.3	101	0	0	86	113	241	0	.0	125	7.28	37	B73 MAYDIS S1 94XT5 375X76 (85)	G4123-02 (83)
P03	2	88	18.3	95	0	5	69	120	243	0	.0	92	5.55	38	B73 MAYDIS S1 94XT5 377X78 (85)	G4123-03 (83)
P03	3	118	18.3	96	0	4	91	113	239	0	.0	122	7.39	47	B73 MAYDIS S2 94XT5 395X96 (85)	1276-002 (84)
P03	4	118	18.1	98	0	2	94	113	245	0	.0	125	7.42	58	1B73 MAYDIS S2 94XT5 489X90 (87)	3064-002 (83)
P03	5	120	18.1	98	0	2	95	118	247	0	.0	128	7.55	83	B73 MAYDIS S4 94XT5 467X68 (85)	4174-002 (84)
P03	6	90	18.5	100	0	0	71	113	242	0	.0	98	5.67	85	B73 MAYDIS S4 94XT5 471X72 (85)	4177-002 (84)
P03	7	102	18.5	96	0	4	81	115	244	0	.0	105	6.39	97	B73 MAYDIS S4 94XT5 495X96 (85)	4182-003 (84)
P03	8	110	18.3	98	0	2	90	115	246	0	.0	116	6.91	336	B73 MAYDIS FLINT S194XT5 973X74 (85)	2636-001 (83)
P03	9	97	18.8	93	0	7	85	112	239	0	.0	96	6.07	338	B73 MAYDIS FLINT S294XT5 977X78 (85)	3N00335 (??)
P03	10	118	18.5	95	0	5	95	115	246	0	.0	120	7.38	608	B73 MAYDIS FLINT S294XT5 5495X96 (85)	2976-001 (85)
P03	11	126	18.5	99	0	1	101	117	243	0	.0	133	7.90	609	B73 MAYDIS FLINT S294XT5 5497X98 (85)	2976-002 (85)
P03	12	122	18.2	100	0	0	103	122	248	0	.0	131	7.65	610	B73 MAYDIS FLINT S294XT5 5499X00 (85)	2976-003 (85)
P03	13	125	18.2	97	0	3	107	117	253	0	.0	131	7.88	613	B73 MAYDIS FLINT S294XT5 495X96 (87)	2977-003 (85)
P03	14	127	18.9	100	0	0	100	122	245	0	.0	132	7.99	901	B73HT X MO17HT	REC. 1987
P03	15	132	19.5	97	0	3	100	125	252	0	.0	132	8.28	905	PIONEER 3369A	REC. 1986
P03	16	123	19.5	97	0	3	94	120	246	0	.0	122	7.73	906	PIONEER 3389	REC. 1985
P03	17	137	20.5	98	0	2	102	123	247	0	.0	133	8.62	902	PIONEER 3165	REC. 1987
P03	18	120	18.7	97	0	3	96	117	242	0	.0	123	7.53	904	PIONEER 3358	REC. 1984
P03	19	117	19.0	99	0	1	106	118	247	0	.0	121	7.36	910	B73 X MM2217	REC. 1986
P03	20	124	19.6	94	0	6	92	125	250	0	.0	120	7.78	909	DEKALB 689	REC. 1986
		116	18.7	97	0	3	93	118	245	0	.0	120	7.32		EXPERIMENT MEANS	
		14	.6	4	0	4	13	13	9	0	.0	15	.85		LSD .05 (ENTRY x REP)	
		18	.8	5	0	5	17	18	12	0	.0	20	1.15		LSD .01 (ENTRY x REP)	
		7	2.0	2	0	93	8	7	2	0	0	7	7.		C. V. % (ENTRY x REP)	
		109	90.	121	0	121	102	90	127	0	0	111	109.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 11. Experiment 04 Analysis over locations and years for 88% B73 Maydis Top Crosses, 1988

Year 1988: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1987: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1986: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
04	1	114	18.1	98	1	2	94	96	225	71	1.5	121	7.13	132	B73 MAYDIS S4 88XT5	565X66 (85) 4031-001 (84)
04	2	113	17.9	99	0	1	96	97	225	71	1.9	122	7.07	133	B73 MAYDIS S4 88XT5	567X68 (85) 4031-002 (84)
04	3	109	17.4	98	0	1	92	102	228	72	1.0	120	6.83	145	B73 MAYDIS S6 88XT5	591X92 (85) 4248-001 (84)
04	4	114	17.4	97	2	2	98	101	229	71	1.0	124	7.16	149	B73 MAYDIS S6 88XT5	599X 0 (85) 4252-001 (84)
04	5	107	17.3	98	0	1	91	108	235	72	1.0	119	6.73	158	B73 MAYDIS S6 88XT5	617X18 (85) 4262-002 (84)
04	6	113	17.7	97	1	2	102	103	234	71	1.4	122	7.11	164	B73 MAYDIS S6 88XT5	629X30 (85) 4267-001 (84)
04	7	104	17.4	100	0	0	87	98	230	71	1.3	116	6.51	170	B73 MAYDIS S6 88XT5	641X42 (85) 4270-002 (84)
04	8	114	17.7	98	0	2	93	102	233	71	1.1	124	7.18	174	B73 MAYDIS S6 88XT5	649X50 (85) 4272-002 (84)
04	9	113	17.6	97	2	1	90	101	229	71	1.2	121	7.12	181	B73 MAYDIS S6 88XT5	663X64 (85) 4275-003 (84)
04	10	118	17.1	99	0	1	103	96	225	69	1.3	131	7.39	582	B73 MAYDIS S2 88XT5	5443X44 (85) 3504-001 (82)
04	11	118	17.4	97	0	3	105	96	224	69	1.4	129	7.45	583	B73 MAYDIS S4 88XT5	5445X46 (85) 4031-001 (84)
04	12	118	17.4	98	0	2	103	92	223	69	1.6	129	7.43	584	B73 MAYDIS S4 88XT5	5447X48 (85) 4031-002 (84)
04	13	117	17.2	97	0	3	103	93	223	69	2.3	128	7.35	585	B73 MAYDIS S4 88XT5	5449X50 (85) 4031-005 (84)
04	14	120	17.3	97	1	2	96	103	232	70	1.6	130	7.54	193	B73 MAYDIS S6 88XT5	687X88 (85) 4286-001 (84)
04	15	114	17.2	98	1	2	93	97	228	70	1.0	126	7.15	195	B73 MAYDIS S6 88XT5	691X92 (85) 4286-003 (84)
04	16	115	17.3	98	1	2	95	100	230	69	1.3	127	7.24	197	B73 MAYDIS S6 88XT5	695X96 (85) 4287-002 (84)
04	17	114	17.4	97	1	2	93	104	236	70	1.3	125	7.16	204	B73 MAYDIS S6 88XT5	709X10 (85) 4291-001 (84)
04	18	116	17.5	98	1	1	97	104	234	70	.8	126	7.27	223	B73 MAYDIS S6 88XT5	747X48 (85) 4307-001 (84)
04	19	117	17.1	97	1	2	98	109	241	70	1.0	129	7.35	230	B73 MAYDIS S6 88XT5	761X62 (85) 4310-001 (84)
04	20	112	17.2	97	1	2	94	111	241	70	1.9	124	7.03	232	B73 MAYDIS S6 88XT5	765X66 (85) 4310-003 (84)
04	21	110	17.2	98	1	1	90	108	239	70	1.8	123	6.93	233	B73 MAYDIS S6 88XT5	767X68 (85) 4311-001 (84)
04	22	120	17.1	99	0	1	95	100	230	69	.7	132	7.52	341	B73 MAYDIS FLINT S288XT5	983X84 (85) 3N00306 (??)
04	23	125	17.0	97	1	2	98	106	234	71	1.0	137	7.86	901	B73HT X MO17HT	REC. 1987
04	24	124	17.9	94	3	3	99	104	238	71	.3	129	7.78	905	PIONEER 3369A	REC. 1986
04	25	140	19.7	92	7	1	104	112	241	74	.6	134	8.79	902	PIONEER 3165	REC. 1987
		116	17.5	97	1	2	96	102	231	70	1.2	126	7.28		EXPERIMENT MEANS	
		8	.6	7	5	2	10	10	13	2	1.0	19	.95		LSD .05 (ENTRY x ENV)	
		11	.7	9	7	3	13	13	17	2	1.3	25	1.27		LSD .01 (ENTRY x ENV)	
		8	3.	4	224	118	6	6	4	3	46	8	7.		C. V. % (ENTRY x ENV)	

T 5 = Mo17Ht x Oh43E

Table 12. Experiment 04 Analysis over locations for 88% B73 Maydis Top Crosses, 1988

Locations: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
04	1	118	19.3	98	1	1	90	109	251	65	.7	121	7.41	132	B73 MAYDIS S4 88XT5	565X66 (85) 4031-001 (84)
04	2	117	19.0	99	0	1	94	107	243	66	.3	122	7.38	133	B73 MAYDIS S4 88XT5	567X68 (85) 4031-002 (84)
04	3	113	18.6	99	0	1	89	116	252	66	.3	120	7.12	145	B73 MAYDIS S6 88XT5	591X92 (85) 4248-001 (84)
04	4	125	18.5	97	1	1	101	115	253	66	.7	131	7.89	149	B73 MAYDIS S6 88XT5	599X 0 (85) 4252-001 (84)
04	5	114	18.3	99	0	0	90	119	259	67	.7	121	7.14	158	B73 MAYDIS S6 88XT5	617X18 (85) 4262-002 (84)
04	6	120	19.0	98	1	0	104	114	259	66	.3	124	7.53	164	B73 MAYDIS S6 88XT5	629X30 (85) 4267-001 (84)
04	7	110	18.6	99	0	1	89	109	251	66	1.0	116	6.88	170	B73 MAYDIS S6 88XT5	641X42 (85) 4270-002 (84)
04	8	126	18.8	98	0	2	97	115	257	66	.7	129	7.89	174	B73 MAYDIS S6 88XT5	649X50 (85) 4272-002 (84)
04	9	128	18.9	96	3	1	96	115	253	65	.7	130	8.07	181	B73 MAYDIS S6 88XT5	663X64 (85) 4275-003 (84)
04	10	130	18.6	98	0	2	107	112	247	65	.7	134	8.14	582	B73 MAYDIS S2 88XT5	5443X44 (85) 3504-001 (82)
04	11	133	19.0	98	0	2	108	110	246	66	.3	136	8.34	583	B73 MAYDIS S4 88XT5	5445X46 (85) 4031-001 (84)
04	12	129	19.1	97	1	2	106	99	239	66	.7	131	8.11	584	B73 MAYDIS S4 88XT5	5447X48 (85) 4031-002 (84)
04	13	130	19.0	98	0	2	108	105	241	65	1.0	132	8.13	585	B73 MAYDIS S4 88XT5	5449X50 (85) 4031-005 (84)
04	14	131	19.1	97	1	2	103	111	249	66	.7	132	8.19	193	B73 MAYDIS S6 88XT5	687X88 (85) 4286-001 (84)
04	15	125	19.2	98	0	2	98	109	251	66	.3	127	7.82	195	B73 MAYDIS S6 88XT5	691X92 (85) 4286-003 (84)
04	16	122	19.0	98	1	2	96	113	252	66	.7	124	7.65	197	B73 MAYDIS S6 88XT5	695X96 (85) 4287-002 (84)
04	17	125	19.0	96	2	2	98	116	260	66	1.7	126	7.85	204	B73 MAYDIS S6 88XT5	709X10 (85) 4291-001 (84)
04	18	125	19.3	98	1	1	101	114	256	67	.7	127	7.86	223	B73 MAYDIS S6 88XT5	747X48 (85) 4307-001 (84)
04	19	130	18.9	98	0	2	103	124	270	68	.3	134	8.19	230	B73 MAYDIS S6 88XT5	761X62 (85) 4310-001 (84)
04	20	121	19.1	98	0	3	101	124	267	67	1.3	123	7.62	232	B73 MAYDIS S6 88XT5	765X66 (85) 4310-003 (84)
04	21	117	18.8	98	1	0	91	122	259	67	1.3	122	7.35	233	B73 MAYDIS S6 88XT5	767X68 (85) 4311-001 (84)
04	22	125	19.0	99	0	1	97	113	251	65	.3	129	7.87	341	B73 MAYDIS FLINT S288XT5	983X84 (85) 3N00306 (??)
04	23	146	18.7	100	0	0	106	121	259	67	.7	152	9.17	901	B73HT X MO17HT	REC. 1987
04	24	134	19.4	95	2	4	101	119	265	68	-.7	132	8.42	905	PIONEER 3369A	REC. 1986
04	25	148	21.6	94	6	0	110	130	268	73	.0	133	9.26	902	PIONEER 3165	REC. 1987
		126	19.0	98	1	1	99	114	254	66	.6	128	7.89		EXPERIMENT MEANS	
		16	.4	7	5	2	10	10	13	2	1.0	19	.95		LSD .05 (ENTRY x LOC)	
		21	.6	9	7	3	13	13	17	2	1.3	25	1.27		LSD .01 (ENTRY x LOC)	
		5	1.	3	185	76	4	5	3	2	95	5	5.		C. V. % (ENTRY x LOC)	

T 5 = Mo17Ht x Oh43E

Table 13. Experiment C04 Clayton, N.C. 88% B73 Maydis Top Crosses, 1988
25 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C04	1	130	19.2	100	0	0	88	97	246	65	.7	134	8.18	132	B73 MAYDIS S4 88XT5	565X66 (85) 4031-001 (84)
C04	2	133	19.3	99	0	2	94	103	246	66	.3	136	8.37	133	B73 MAYDIS S4 88XT5	567X68 (85) 4031-002 (84)
C04	3	120	18.6	100	0	0	90	110	250	66	.3	126	7.51	145	B73 MAYDIS S6 88XT5	591X92 (85) 4248-001 (84)
C04	4	141	18.3	98	1	0	98	112	258	66	.7	149	8.88	149	B73 MAYDIS S6 88XT5	599X 0 (85) 4252-001 (84)
C04	5	126	18.1	97	1	1	89	111	260	67	.7	133	7.89	158	B73 MAYDIS S6 88XT5	617X18 (85) 4262-002 (84)
C04	6	137	19.0	99	1	0	101	112	263	66	.3	142	8.57	164	B73 MAYDIS S6 88XT5	629X30 (85) 4267-001 (84)
C04	7	112	18.8	100	0	0	84	103	254	66	1.0	118	7.02	170	B73 MAYDIS S6 88XT5	641X42 (85) 4270-002 (84)
C04	8	140	18.8	98	0	2	95	109	256	66	.7	144	8.78	174	B73 MAYDIS S6 88XT5	649X50 (85) 4272-002 (84)
C04	9	143	18.5	97	2	1	98	109	252	65	.7	148	8.99	181	B73 MAYDIS S6 88XT5	663X64 (85) 4275-003 (84)
C04	10	135	18.4	99	0	2	109	102	252	65	.7	141	8.46	582	B73 MAYDIS S2 88XT5	5443X44 (85) 3504-001 (82)
C04	11	140	19.1	98	1	1	107	98	247	66	.3	144	8.80	583	B73 MAYDIS S4 88XT5	5445X46 (85) 4031-001 (84)
C04	12	136	18.9	99	0	2	105	90	243	66	.7	140	8.53	584	B73 MAYDIS S4 88XT5	5447X48 (85) 4031-002 (84)
C04	13	145	19.0	100	-1	1	112	98	239	65	1.0	149	9.09	585	B73 MAYDIS S4 88XT5	5449X50 (85) 4031-005 (84)
C04	14	142	19.1	96	4	1	101	109	257	66	.7	142	8.91	193	B73 MAYDIS S6 88XT5	687X88 (85) 4286-001 (84)
C04	15	138	19.2	99	0	1	100	104	251	66	.3	141	8.67	195	B73 MAYDIS S6 88XT5	691X92 (85) 4286-003 (84)
C04	16	131	18.9	97	1	2	92	108	255	66	.7	134	8.25	197	B73 MAYDIS S6 88XT5	695X96 (85) 4287-002 (84)
C04	17	142	18.9	98	1	1	103	109	260	66	1.7	146	8.92	204	B73 MAYDIS S6 88XT5	709X10 (85) 4291-001 (84)
C04	18	137	19.4	96	3	0	103	109	259	67	.7	137	8.62	223	B73 MAYDIS S6 88XT5	747X48 (85) 4307-001 (84)
C04	19	147	18.8	100	0	0	107	125	270	68	.3	153	9.25	230	B73 MAYDIS S6 88XT5	761X62 (85) 4310-001 (84)
C04	20	143	19.1	99	0	2	106	122	268	67	1.3	145	8.96	232	B73 MAYDIS S6 88XT5	765X66 (85) 4310-003 (84)
C04	21	128	18.7	99	1	0	91	116	267	67	1.3	135	8.06	233	B73 MAYDIS S6 88XT5	767X68 (85) 4311-001 (84)
C04	22	130	19.0	100	0	1	95	105	253	65	.3	134	8.14	341	B73 MAYDIS FLINT S288XT5	983X84 (85) 3N00306 (??)
C04	23	156	18.1	100	0	0	108	115	254	67	.7	165	9.78	901	B73HT X MO17HT	REC. 1987
C04	24	150	19.3	94	4	2	106	119	271	68	-.7	148	9.43	905	PIONEER 3369A	REC. 1986
C04	25	165	21.4	89	11	0	112	131	273	73	.0	148	10.37	902	PIONEER 3165	REC. 1987
		138	19.0	98	1	1	100	109	256	66	.6	141	8.66		EXPERIMENT MEANS	
		15	.4	6	5	2	9	9	12	1	1.0	18	.95		LSD .05 (ENTRY x REP)	
		20	.5	8	7	3	12	12	16	1	1.3	24	1.27		LSD .01 (ENTRY x REP)	
		7	1.3	3	264	161	5	5	3	1	95	8	7.		C. V. % (ENTRY x REP)	
		100	103.	111	108	100	100	105	113	100	100	100	100.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 14. Experiment L04 Lewiston, N.C. 88% B73 Maydis Top Crosses, 1988
25 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L04	1	106	19.6	97	2	0	88	110	243	0	.0	107	6.67	132	B73 MAYDIS S4 88XT5 565X66 (85)	4031-001 (84)
L04	2	108	19.2	99	0	1	93	105	228	0	.0	112	6.81	133	B73 MAYDIS S4 88XT5 567X68 (85)	4031-002 (84)
L04	3	108	19.0	100	0	0	85	112	238	0	.0	114	6.79	145	B73 MAYDIS S6 88XT5 591X92 (85)	4248-001 (84)
L04	4	116	18.9	95	2	2	99	122	242	0	.0	119	7.31	149	B73 MAYDIS S6 88XT5 599X 0 (85)	4252-001 (84)
L04	5	95	18.8	100	0	0	88	120	235	0	.0	100	5.94	158	B73 MAYDIS S6 88XT5 617X18 (85)	4262-002 (84)
L04	6	103	19.2	96	2	1	105	103	239	0	.0	103	6.46	164	B73 MAYDIS S6 88XT5 629X30 (85)	4267-001 (84)
L04	7	110	18.8	99	0	1	89	107	240	0	.0	115	6.88	170	B73 MAYDIS S6 88XT5 641X42 (85)	4270-002 (84)
L04	8	116	19.0	99	0	1	96	110	235	0	.0	118	7.25	174	B73 MAYDIS S6 88XT5 649X50 (85)	4272-002 (84)
L04	9	116	19.2	90	7	3	95	115	244	0	.0	111	7.30	181	B73 MAYDIS S6 88XT5 663X64 (85)	4275-003 (84)
L04	10	126	18.9	100	0	0	104	112	230	0	.0	132	7.93	582	B73 MAYDIS S2 88XT5 5443X44 (85)	3504-001 (82)
L04	11	133	19.1	97	0	4	108	112	232	0	.0	135	8.36	583	B73 MAYDIS S4 88XT5 5445X46 (85)	4031-001 (84)
L04	12	124	19.3	94	2	3	106	100	229	0	.0	122	7.78	584	B73 MAYDIS S4 88XT5 5447X48 (85)	4031-002 (84)
L04	13	121	19.1	97	1	2	105	105	235	0	.0	121	7.58	585	B73 MAYDIS S4 88XT5 5449X50 (85)	4031-005 (84)
L04	14	127	19.4	99	0	1	103	105	233	0	.0	128	7.95	193	B73 MAYDIS S6 88XT5 687X88 (85)	4286-001 (84)
L04	15	121	19.5	99	0	2	98	103	239	0	.0	121	7.58	195	B73 MAYDIS S6 88XT5 691X92 (85)	4286-003 (84)
L04	16	108	19.1	100	0	1	98	110	226	0	.0	113	6.81	197	B73 MAYDIS S6 88XT5 695X96 (85)	4287-002 (84)
L04	17	115	19.2	94	4	2	87	118	250	0	.0	113	7.21	204	B73 MAYDIS S6 88XT5 709X10 (85)	4291-001 (84)
L04	18	113	19.3	99	0	1	98	112	244	0	.0	116	7.08	223	B73 MAYDIS S6 88XT5 747X48 (85)	4307-001 (84)
L04	19	118	19.2	97	0	3	99	113	246	0	.0	120	7.43	230	B73 MAYDIS S6 88XT5 761X62 (85)	4310-001 (84)
L04	20	105	19.4	98	0	2	98	117	247	0	.0	106	6.58	232	B73 MAYDIS S6 88XT5 765X66 (85)	4310-003 (84)
L04	21	105	19.1	98	2	0	91	127	245	0	.0	107	6.59	233	B73 MAYDIS S6 88XT5 767X68 (85)	4311-001 (84)
L04	22	115	19.1	97	0	3	95	117	237	0	.0	116	7.23	341	B73 MAYDIS FLINT S288XT5 983X84 (85)	3N00306 (??)
L04	23	142	19.1	99	1	0	106	115	246	0	.0	145	8.93	901	B73HT X MO17HT	REC. 1987
L04	24	122	19.3	93	1	6	99	117	242	0	.0	118	7.69	905	PIONEER 3369A	REC. 1986
L04	25	128	21.1	93	7	0	108	127	251	0	.0	114	8.03	902	PIONEER 3165	REC. 1987
		116	19.2	97	1	2	98	112	239	0	.0	117	7.29		EXPERIMENT MEANS	
		19	.6	5	4	4	8	15	16	0	.0	19	1.19		LSD .05 (ENTRY x REP)	
		25	.8	7	5	5	10	20	21	0	.0	26	1.59		LSD .01 (ENTRY x REP)	
		10	1.8	3	197	138	5	8	4	0	0	10	10.		C. V. % (ENTRY x REP)	
		102	100.	101	100	115	100	100	111	0	0	100	102.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 15. Experiment P04 Plymouth, N.C. 88X B73 Maydis Top Crosses, 1988
25 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P04	1	118	19.0	98	0	2	94	119	263	0	.0	121	7.38	132	B73 MAYDIS S4 88XT5	565X66 (85) 4031-001 (84)
P04	2	111	18.4	99	0	1	95	113	256	0	.0	117	6.95	133	B73 MAYDIS S4 88XT5	567X68 (85) 4031-002 (84)
P04	3	112	18.3	98	0	2	93	125	267	0	.0	119	7.06	145	B73 MAYDIS S6 88XT5	591X92 (85) 4248-001 (84)
P04	4	119	18.3	98	0	2	106	110	260	0	.0	125	7.48	149	B73 MAYDIS S6 88XT5	599X 0 (85) 4252-001 (84)
P04	5	121	18.1	100	0	0	94	125	282	0	.0	130	7.58	158	B73 MAYDIS S6 88XT5	617X18 (85) 4262-002 (84)
P04	6	120	18.9	100	0	0	106	126	276	0	.0	126	7.56	164	B73 MAYDIS S6 88XT5	629X30 (85) 4267-001 (84)
P04	7	107	18.2	98	0	2	93	117	258	0	.0	115	6.74	170	B73 MAYDIS S6 88XT5	641X42 (85) 4270-002 (84)
P04	8	122	18.6	97	0	3	100	127	279	0	.0	126	7.63	174	B73 MAYDIS S6 88XT5	649X50 (85) 4272-002 (84)
P04	9	126	19.0	100	0	0	95	121	264	0	.0	130	7.91	181	B73 MAYDIS S6 88XT5	663X64 (85) 4275-003 (84)
P04	10	128	18.6	95	0	5	108	122	258	0	.0	130	8.04	582	B73 MAYDIS S2 88XT5	5443X44 (85) 3504-001 (82)
P04	11	125	18.9	98	0	2	108	120	260	0	.0	129	7.87	583	B73 MAYDIS S4 88XT5	5445X46 (85) 4031-001 (84)
P04	12	128	19.1	99	0	1	107	108	244	0	.0	131	8.03	584	B73 MAYDIS S4 88XT5	5447X48 (85) 4031-002 (84)
P04	13	123	19.0	97	0	3	107	112	250	0	.0	125	7.73	585	B73 MAYDIS S4 88XT5	5449X50 (85) 4031-005 (84)
P04	14	123	18.8	97	0	3	105	119	258	0	.0	126	7.71	193	B73 MAYDIS S6 88XT5	687X88 (85) 4286-001 (84)
P04	15	115	18.9	97	0	2	97	120	262	0	.0	118	7.21	195	B73 MAYDIS S6 88XT5	691X92 (85) 4286-003 (84)
P04	16	126	19.0	96	3	2	97	122	275	0	.0	126	7.90	197	B73 MAYDIS S6 88XT5	695X96 (85) 4287-002 (84)
P04	17	118	18.9	96	0	4	105	122	269	0	.0	120	7.41	204	B73 MAYDIS S6 88XT5	709X10 (85) 4291-001 (84)
P04	18	125	19.1	98	0	2	101	121	266	0	.0	128	7.88	223	B73 MAYDIS S6 88XT5	747X48 (85) 4307-001 (84)
P04	19	126	18.7	96	1	3	102	135	293	0	.0	128	7.88	230	B73 MAYDIS S6 88XT5	761X62 (85) 4310-001 (84)
P04	20	116	18.8	97	0	4	98	134	287	0	.0	119	7.31	232	B73 MAYDIS S6 88XT5	765X66 (85) 4310-003 (84)
P04	21	118	18.6	98	0	1	91	122	266	0	.0	123	7.40	233	B73 MAYDIS S6 88XT5	767X68 (85) 4311-001 (84)
P04	22	131	18.8	100	0	0	100	116	263	0	.0	137	8.23	341	B73 MAYDIS FLINT S288XT5	983X84 (85) 3N00306 (??)
P04	23	140	19.0	100	0	0	103	133	276	0	.0	145	8.79	901	B73HT X MO17HT	REC. 1987
P04	24	130	19.5	97	0	3	97	122	281	0	.0	129	8.13	905	PIONEER 3369A	REC. 1986
P04	25	150	22.4	99	0	1	110	133	281	0	.0	136	9.39	902	PIONEER 3165	REC. 1987
		123	18.9	98	0	2	100	122	268	0	.0	126	7.73		EXPERIMENT MEANS	
		15	.6	5	1	4	7	16	29	0	.0	16	.92		LSD .05 (ENTRY x REP)	
		20	.9	6	2	5	9	22	39	0	.0	21	1.23		LSD .01 (ENTRY x REP)	
		7	2.0	3	679	123	4	8	7	0	0	7	7.		C. V. % (ENTRY x REP)	
		100	101.	101	100	104	113	100	106	0	0	100	100.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 16. Experiment 06 Analysis over locations and years for 75% B73 Maydis, 50% B73 Maydis, ETO-Blanco Top Crosses, 1988

Year 1988: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1987: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1986: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
06	1	115	17.3	98	0	1	96	103	230	67	1.4	126	7.21	259	B73 MAYDIS S6 75XT5 503X04 (87)	4024-003 (84)
*06	2	113	17.5	97	1	2	90	102	231	66	.6	122	7.09	263	B73 MAYDIS S6 75XT5 595X96 (87)	4025-003 (84)
06	3	111	17.5	98	0	2	95	101	228	66	1.2	122	6.96	265	B73 MAYDIS S6 75XT5 831X32 (85)	4026-003 (84)
06	4	112	17.0	97	1	2	97	100	224	66	1.7	124	7.04	271	B73 MAYDIS S6 75XT5 843X44 (85)	4029-001 (84)
06	5	117	17.4	99	0	1	104	95	223	65	1.5	128	7.32	594	B73 MAYDIS S6 75XT5 5467X68 (85)	4027-004 (84)
06	6	113	17.5	99	0	1	103	102	226	66	1.4	124	7.11	596	B73 MAYDIS S6 75XT5 5471X72 (85)	4028-004 (84)
06	7	124	17.8	97	2	2	97	107	236	65	1.4	132	7.79	274	B73 MAYDIS S7 75XT5 849X50 (85)	4356-002 (84)
06	8	120	17.6	95	2	3	102	104	233	65	.9	126	7.50	362	B73)2(2A12) S3 75XT5 1025X26 (85)	302-002 (83)
06	9	107	17.3	96	0	4	102	86	219	70	.7	117	6.72	282	B73 MAYDIS S3 50XT5 865X66 (85)	49-001 (82)
06	10	105	17.5	96	0	3	89	91	217	69	.5	114	6.59	286	B73 MAYDIS S4 50XT5 873X74 (85)	4018-002 (84)
06	11	112	17.5	96	1	3	106	86	215	71	.7	121	7.07	605	B73 MAYDIS S4 50XT5 5489X90 (85)	2965-002 (85)
06	12	114	17.5	94	3	3	96	108	237	71	1.5	121	7.16	298	B73 MAYDIS S7 50XT5 897X98 (85)	3016-001 (83)
06	13	116	17.1	96	2	2	97	111	244	72	1.9	126	7.28	305	B73 MAYDIS S8 50XT5 911X12 (85)	1990-001 (84)
06	14	114	17.3	96	2	3	96	109	238	72	1.1	123	7.16	333	B73 MAYDIS HT S9 50XT5 967X68 (85)	4336-001 (84)
06	15	124	17.4	92	3	4	104	109	240	71	1.3	129	7.77	334	B73 MAYDIS HT S9 50XT5 5491X92 (85)	4337-001 (84)
06	16	120	17.1	91	5	4	99	115	234	70	1.2	125	7.52	335	B73 MAYDIS HT S9 50XT5 599X00 (87)	4340-001 (84)
06	17	118	17.7	98	1	1	102	101	225	70	1.7	128	7.42	408	ETO BLANCO(B73G)S5 25XT5 1117X18 (85)	2182-002 (83)
06	18	112	17.8	97	1	2	96	98	226	70	1.0	120	7.03	409	ETO BLANCO(B73G)S5 25XT5 1119X20 (85)	2182-003 (83)
06	19	112	17.4	98	1	1	92	100	227	69	1.0	122	7.01	410	ETO BLANCO(B73G)S5 25XT5 1121X22 (85)	2182-004 (83)
06	20	118	17.7	97	2	2	98	104	224	70	.6	125	7.37	411	ETO BLANCO(B73G)S5 25XT5 1123X24 (85)	2183-002 (83)
06	21	111	17.7	96	2	2	94	101	228	70	.8	119	6.98	416	ETO BLANCO(B73G)S5 25XT5 1133X34 (85)	2184-004 (83)
06	22	117	17.8	97	1	2	99	97	226	70	1.1	125	7.32	418	ETO BLANCO(B73G)S6 25XT5 1137X38 (85)	4451-001 (84)
06	23	111	17.6	98	1	1	95	98	225	70	.6	121	6.99	420	ETO BLANCO(B73G)S6 25XT5 1141X42 (85)	4451-003 (84)
06	24	112	17.8	97	1	1	96	99	223	70	1.4	121	7.04	421	ETO BLANCO(B73G)S6 25XT5 1143X44 (85)	4451-004 (84)
06	25	112	17.1	96	0	3	99	107	233	71	1.1	123	7.06	901	B73HT X MO17HT	REC. 1987
06	26	113	18.1	92	3	5	99	109	239	71	.4	114	7.09	905	PIONEER 3369A	REC. 1986
06	27	123	18.0	95	3	1	97	106	231	71	1.1	128	7.71	906	PIONEER 3389	REC. 1985
06	28	125	19.7	92	7	1	104	113	237	76	.5	119	7.87	902	PIONEER 3165	REC. 1987
		115	17.6	96	2	2	98	102	229	69	1.1	123	7.22		EXPERIMENT MEANS	
		9	.6	4	2	3	8	10	12	2	1.1	19	.98		LSD .05 (ENTRY x ENV)	
		12	.8	6	2	4	11	13	15	2	1.5	25	1.31		LSD .01 (ENTRY x ENV)	
		9	4.	5	198	108	6	8	4	10	50	9	8.		C. V. % (ENTRY x ENV)	

T 5 = Mo17Ht x Oh43E
* Entry 2 not tested in Clayton 1987

Table 17. Experiment 06 Analysis over locations for 75% B73 Maydis, 50% B73 Maydis, ETO-Blanco Top Crosses, 1988

Locations: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
06	1	125	18.4	100	0	1	102	113	246	69	.7	133	7.88	259	B73 MAYDIS S6	75XT5 503X04 (87) 4024-003 (84)
06	2	127	18.2	97	1	2	101	115	248	68	.3	132	7.97	263	B73 MAYDIS S6	75XT5 595X96 (87) 4025-003 (84)
06	3	115	18.7	99	0	1	88	113	245	68	.7	120	7.23	265	B73 MAYDIS S6	75XT5 831X32 (85) 4026-003 (84)
06	4	121	18.0	96	1	3	99	112	241	67	1.0	127	7.60	271	B73 MAYDIS S6	75XT5 843X44 (85) 4029-001 (84)
06	5	129	18.2	99	0	1	104	112	242	66	1.1	138	8.09	594	B73 MAYDIS S6	75XT5 5467X68 (85) 4027-004 (84)
06	6	125	18.7	99	0	1	103	118	246	68	.8	131	7.87	596	B73 MAYDIS S6	75XT5 5471X72 (85) 4028-004 (84)
06	7	137	19.0	97	1	2	100	119	252	67	1.1	139	8.61	274	B73 MAYDIS S7	75XT5 849X50 (85) 4356-002 (84)
06	8	131	18.7	94	0	6	103	118	249	67	.7	132	8.22	362	B73)2(2A12) S3	75XT5 1025X26 (85) 302-002 (83)
06	9	116	19.1	97	0	3	105	98	233	67	.1	117	7.29	282	B73 MAYDIS S3	50XT5 865X66 (85) 49-001 (82)
06	10	111	19.0	93	1	6	89	101	233	66	.3	109	7.00	286	B73 MAYDIS S4	50XT5 873X74 (85) 4018-002 (84)
06	11	127	19.2	99	0	1	106	99	233	67	-.2	131	8.00	605	B73 MAYDIS S4	50XT5 5489X90 (85) 2965-002 (85)
06	12	123	18.3	97	0	3	94	120	251	68	.8	128	7.70	298	B73 MAYDIS S7	50XT5 897X98 (85) 3016-001 (83)
06	13	128	18.2	99	0	1	102	124	254	69	.5	136	8.05	305	B73 MAYDIS S8	50XT5 911X12 (85) 1990-001 (84)
06	14	130	18.4	97	0	3	101	118	249	68	1.0	137	8.20	333	B73 MAYDIS HT S9	50XT5 967X68 (85) 4336-001 (84)
06	15	140	18.8	96	1	3	106	120	246	67	.5	143	8.81	334	B73 MAYDIS HT S9	50XT5 5491X92 (85) 4337-001 (84)
06	16	136	18.5	93	2	5	109	129	249	67	1.1	136	8.53	335	B73 MAYDIS HT S9	50XT5 599X00 (87) 4340-001 (84)
06	17	137	19.0	97	1	2	105	113	240	67	.7	140	8.64	408	ETO BLANCO(B73G)S5	25XT5 1117X18 (85) 2182-002 (83)
06	18	126	19.2	97	1	2	99	106	237	66	.6	127	7.94	409	ETO BLANCO(B73G)S5	25XT5 1119X20 (85) 2182-003 (83)
06	19	125	18.8	96	1	3	98	106	237	66	.3	127	7.83	410	ETO BLANCO(B73G)S5	25XT5 1121X22 (85) 2182-004 (83)
06	20	128	18.9	98	0	2	96	111	240	67	.3	131	8.04	411	ETO BLANCO(B73G)S5	25XT5 1123X24 (85) 2183-002 (83)
06	21	118	19.0	97	2	1	94	113	240	67	.3	120	7.41	416	ETO BLANCO(B73G)S5	25XT5 1133X34 (85) 2184-004 (83)
06	22	131	19.2	96	1	3	104	110	242	67	.9	131	8.25	418	ETO BLANCO(B73G)S6	25XT5 1137X38 (85) 4451-001 (84)
06	23	122	18.9	98	0	3	97	113	237	66	.6	125	7.66	420	ETO BLANCO(B73G)S6	25XT5 1141X42 (85) 4451-003 (84)
06	24	126	19.1	97	0	2	100	111	234	67	1.4	128	7.92	421	ETO BLANCO(B73G)S6	25XT5 1143X44 (85) 4451-004 (84)
06	25	132	18.7	97	0	2	104	119	247	67	.7	136	8.28	901	B73HT X MO17HT	REC. 1987
06	26	127	19.7	91	1	8	104	117	251	68	.2	119	7.94	905	PIONEER 3369A	REC. 1986
06	27	141	19.5	97	2	1	101	119	253	68	.6	140	8.89	906	PIONEER 3389	REC. 1985
06	28	136	21.3	91	7	1	107	127	253	73	.0	121	8.52	902	PIONEER 3165	REC. 1987
06	29	142	18.7	99	0	1	106	118	256	71	-1.5	148	8.93	911	PIONEER 3233	REC. 1986
06	30	131	19.3	97	0	3	107	127	247	72	-.3	131	8.20	909	DEKALB 689	REC. 1986
		128	18.9	97	1	3	101	115	244	68	.5	130	8.05		EXPERIMENT MEANS	
		17	.7	4	1	3	8	10	12	2	1.1	19	.98		LSD .05 (ENTRY x LOC)	
		22	.9	6	2	4	11	13	15	2	1.5	25	1.31		LSD .01 (ENTRY x LOC)	
		8	2.	3	205	72	3	5	3	2	133	9	7.		C. V. % (ENTRY x LOC)	

T 5 = Mo17Ht x Oh43E

Table 18. Experiment C06 Clayton, N.C. 75% B73 Maydis, 50% B73 Maydis, ETO-Blanco Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C06	1	140	18.5	99	0	1	102	111	260	69	.7	148	8.79	259	B73 MAYDIS S6 75XT5 503X04 (87)	4024-003 (84)
C06	2	146	18.8	98	0	1	98	112	259	68	.3	150	9.16	263	B73 MAYDIS S6 75XT5 595X96 (87)	4025-003 (84)
C06	3	131	18.8	99	0	1	86	107	258	68	.7	136	8.20	265	B73 MAYDIS S6 75XT5 831X32 (85)	4026-003 (84)
C06	4	143	17.9	99	0	1	98	108	258	67	1.0	153	8.98	271	B73 MAYDIS S6 75XT5 843X44 (85)	4029-001 (84)
C06	5	145	18.1	100	0	0	103	110	255	66	1.1	154	9.08	594	B73 MAYDIS S6 75XT5 5467X68 (85)	4027-004 (84)
C06	6	138	18.4	100	0	0	100	116	259	68	.8	146	8.64	596	B73 MAYDIS S6 75XT5 5471X72 (85)	4028-004 (84)
C06	7	150	18.6	100	0	0	100	109	261	67	1.1	157	9.42	274	B73 MAYDIS S7 75XT5 849X50 (85)	4356-002 (84)
C06	8	141	19.0	97	0	3	100	110	262	67	.7	143	8.84	362	B73)2(2A12) S3 75XT5 1025X26 (85)	302-002 (83)
C06	9	135	19.1	98	0	2	102	87	244	67	.1	137	8.45	282	B73 MAYDIS S3 50XT5 865X66 (85)	49-001 (82)
C06	10	109	19.1	97	0	3	85	88	236	66	.3	111	6.86	286	B73 MAYDIS S4 50XT5 873X74 (85)	4018-002 (84)
C06	11	146	19.3	99	0	1	106	98	251	67	-.2	148	9.19	605	B73 MAYDIS S4 50XT5 5489X90 (85)	2965-002 (85)
C06	12	119	18.9	97	0	3	86	116	262	68	.8	121	7.47	298	B73 MAYDIS S7 50XT5 897X98 (85)	3016-001 (83)
C06	13	141	18.3	100	0	0	98	123	267	69	.5	150	8.87	305	B73 MAYDIS S8 50XT5 911X12 (85)	1990-001 (84)
C06	14	128	19.1	98	0	2	95	117	264	68	1.0	131	8.04	333	B73 MAYDIS HT S9 50XT5 967X68 (85)	4336-001 (84)
C06	15	157	19.1	98	0	2	106	123	263	67	.5	160	9.85	334	B73 MAYDIS HT S9 50XT5 5491X92 (85)	4337-001 (84)
C06	16	154	18.7	97	0	3	109	120	258	67	1.1	157	9.67	335	B73 MAYDIS HT S9 50XT5 599X00 (87)	4340-001 (84)
C06	17	153	18.9	99	0	1	103	108	250	67	.7	158	9.64	408	ETO BLANCO(B73G)S5 25XT5 1117X18 (85)	2182-002 (83)
C06	18	138	19.1	100	0	0	98	101	250	66	.6	142	8.68	409	ETO BLANCO(B73G)S5 25XT5 1119X20 (85)	2182-003 (83)
C06	19	139	18.4	100	0	0	94	104	251	66	.3	148	8.76	410	ETO BLANCO(B73G)S5 25XT5 1121X22 (85)	2182-004 (83)
C06	20	140	18.9	100	0	0	95	105	252	67	.3	146	8.82	411	ETO BLANCO(B73G)S5 25XT5 1123X24 (85)	2183-002 (83)
C06	21	126	18.7	100	0	0	91	103	251	67	.3	132	7.92	416	ETO BLANCO(B73G)S5 25XT5 1133X34 (85)	2184-004 (83)
C06	22	138	19.0	98	0	2	103	102	254	67	.9	142	8.68	418	ETO BLANCO(B73G)S6 25XT5 1137X38 (85)	4451-001 (84)
C06	23	120	18.9	97	0	4	95	101	251	66	.6	122	7.53	420	ETO BLANCO(B73G)S6 25XT5 1141X42 (85)	4451-003 (84)
C06	24	144	19.3	99	0	1	98	108	253	67	1.4	146	9.04	421	ETO BLANCO(B73G)S6 25XT5 1143X44 (85)	4451-004 (84)
C06	25	147	18.0	100	0	0	105	114	250	67	.7	157	9.21	901	B73HT X MO17HT	REC. 1987
C06	26	152	19.2	98	0	2	102	116	264	68	.2	155	9.53	905	PIONEER 3369A	REC. 1986
C06	27	155	19.4	100	0	0	98	123	263	68	.6	158	9.76	906	PIONEER 3389	REC. 1985
C06	28	165	21.5	91	7	1	105	129	267	73	.0	149	10.35	902	PIONEER 3165	REC. 1987
C06	29	172	18.8	100	0	0	102	125	269	71	-1.5	178	10.80	911	PIONEER 3233	REC. 1986
C06	30	149	19.5	99	0	1	107	126	260	72	-.3	151	9.34	909	DEKALB 689	REC. 1986
		142	18.9	99	0	1	99	111	257	68	.5	146	8.92		EXPERIMENT MEANS	
		16	.8	3	1	3	7	9	11	1	1.1	18	.98		LSD .05 (ENTRY x REP)	
		21	1.0	5	2	4	10	12	14	1	1.5	24	1.31		LSD .01 (ENTRY x REP)	
		7	2.5	2	311	185	5	5	2	1	133	8	7.		C. V. % (ENTRY x REP)	
		111	90.	100	100	102	88	103	103	102	108	106	111.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 19. Experiment L06 Lewiston, N.C. 75% B73 Maydis, 50% B73 Maydis, ETO-Blanco Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L06	1	106	18.0	98	0	2	101	115	239	0	.0	114	6.67	259	B73 MAYDIS S6 75XT5 503X04 (87)	4024-003 (84)
L06	2	112	18.0	94	2	4	103	110	239	0	.0	116	7.06	263	B73 MAYDIS S6 75XT5 595X96 (87)	4025-003 (84)
L06	3	102	18.4	98	0	2	88	114	236	0	.0	109	6.42	265	B73 MAYDIS S6 75XT5 831X32 (85)	4026-003 (84)
L06	4	98	17.8	92	2	5	98	110	222	0	.0	100	6.15	271	B73 MAYDIS S6 75XT5 843X44 (85)	4029-001 (84)
L06	5	112	18.0	98	0	2	107	114	239	0	.0	121	7.06	594	B73 MAYDIS S6 75XT5 5467X68 (85)	4027-004 (84)
L06	6	113	18.6	99	0	0	105	114	237	0	.0	120	7.13	596	B73 MAYDIS S6 75XT5 5471X72 (85)	4028-004 (84)
L06	7	125	19.3	93	2	5	103	121	246	0	.0	121	7.83	274	B73 MAYDIS S7 75XT5 849X50 (85)	4356-002 (84)
L06	8	122	18.4	92	0	8	105	116	237	0	.0	123	7.67	362	B73)2(2A12) S3 75XT5 1025X26 (85)	302-002 (83)
L06	9	95	18.9	93	0	7	108	104	222	0	.0	93	5.96	282	B73 MAYDIS S3 50XT5 865X66 (85)	49-001 (82)
L06	10	116	18.8	92	2	6	93	106	232	0	.0	113	7.28	286	B73 MAYDIS S4 50XT5 873X74 (85)	4018-002 (84)
L06	11	110	19.2	99	0	2	105	94	217	0	.0	114	6.89	605	B73 MAYDIS S4 50XT5 5489X90 (85)	2965-002 (85)
L06	12	112	17.8	95	1	5	98	121	243	0	.0	118	7.03	298	B73 MAYDIS S7 50XT5 897X98 (85)	3016-001 (83)
L06	13	106	18.1	97	0	3	103	126	250	0	.0	113	6.66	305	B73 MAYDIS S8 50XT5 911X12 (85)	1990-001 (84)
L06	14	127	17.8	100	0	0	102	112	239	0	.0	140	7.99	333	B73 MAYDIS HT S9 50XT5 967X68 (85)	4336-001 (84)
L06	15	127	18.5	94	2	5	108	112	233	0	.0	129	7.97	334	B73 MAYDIS HT S9 50XT5 5491X92 (85)	4337-001 (84)
L06	16	111	18.3	88	5	7	108	133	246	0	.0	107	6.96	335	B73 MAYDIS HT S9 50XT5 599X00 (87)	4340-001 (84)
L06	17	126	18.9	95	2	3	107	105	227	0	.0	127	7.93	408	ETO BLANCO(B73G)S5 25XT5 1117X18 (85)	2182-002 (83)
L06	18	112	19.5	91	2	6	101	101	219	0	.0	107	7.05	409	ETO BLANCO(B73G)S5 25XT5 1119X20 (85)	2182-003 (83)
L06	19	102	18.9	91	2	8	98	105	218	0	.0	99	6.39	410	ETO BLANCO(B73G)S5 25XT5 1121X22 (85)	2182-004 (83)
L06	20	120	19.0	96	1	3	98	108	228	0	.0	121	7.51	411	ETO BLANCO(B73G)S5 25XT5 1123X24 (85)	2183-002 (83)
L06	21	102	19.2	94	5	1	90	118	235	0	.0	100	6.41	416	ETO BLANCO(B73G)S5 25XT5 1133X34 (85)	2184-004 (83)
L06	22	122	19.1	93	3	4	103	115	237	0	.0	120	7.66	418	ETO BLANCO(B73G)S6 25XT5 1137X38 (85)	4451-001 (84)
L06	23	123	18.9	100	0	1	94	112	219	0	.0	129	7.74	420	ETO BLANCO(B73G)S6 25XT5 1141X42 (85)	4451-003 (84)
L06	24	108	19.2	96	1	3	103	109	216	0	.0	108	6.78	421	ETO BLANCO(B73G)S6 25XT5 1143X44 (85)	4451-004 (84)
L06	25	109	19.1	94	1	5	104	114	245	0	.0	108	6.84	901	B73HT X MO17HT	REC. 1987
L06	26	106	20.2	83	3	15	102	118	247	0	.0	87	6.63	905	PIONEER 3369A	REC. 1986
L06	27	134	19.2	92	5	4	103	116	252	0	.0	129	8.44	906	PIONEER 3389	REC. 1985
L06	28	108	19.9	85	15	0	107	130	248	0	.0	94	6.80	902	PIONEER 3165	REC. 1987
L06	29	131	18.6	97	1	2	108	107	249	0	.0	135	8.21	911	PIONEER 3233	REC. 1986
L06	30	105	18.6	95	0	4	106	119	235	0	.0	106	6.58	909	DEKALB 689	REC. 1986
		113	18.7	94	2	4	102	113	235	0	.0	114	7.12		EXPERIMENT MEANS	
		21	.7	9	7	6	7	20	27	0	.0	27	1.33		LSD .05 (ENTRY x REP)	
		28	1.0	12	9	8	9	27	37	0	.0	36	1.78		LSD .01 (ENTRY x REP)	
		11	2.4	6	229	88	4	11	7	0	0	14	11.		C. V. % (ENTRY x REP)	
		150	105.	106	100	109	96	101	119	0	0	137	150.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 20. Experiment P06 Plymouth, N.C. 75% B73 Maydis, 50% B73 Maydis, ETO-Blanco Top Crosses, 1988
28 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P06	1	130	18.7	102	0	-1	103	112	240	0	.0	138	8.17	259	B73 MAYDIS S6 75XT5 503X04 (87)	4024-003 (84)
P06	2	123	17.9	98	0	2	102	122	245	0	.0	131	7.69	263	B73 MAYDIS S6 75XT5 595X96 (87)	4025-003 (84)
P06	3	112	19.0	99	0	1	90	118	242	0	.0	116	7.06	265	B73 MAYDIS S6 75XT5 831X32 (85)	4026-003 (84)
P06	4	122	18.4	97	0	3	100	119	243	0	.0	127	7.67	271	B73 MAYDIS S6 75XT5 843X44 (85)	4029-001 (84)
P06	5	130	18.4	100	0	0	103	111	233	0	.0	138	8.14	594	B73 MAYDIS S6 75XT5 5467X68 (85)	4027-004 (84)
P06	6	125	19.2	98	0	2	103	123	243	0	.0	127	7.83	596	B73 MAYDIS S6 75XT5 5471X72 (85)	4028-004 (84)
P06	7	136	19.0	99	0	2	98	127	248	0	.0	140	8.57	274	B73 MAYDIS S7 75XT5 849X50 (85)	4356-002 (84)
P06	8	130	18.8	93	0	7	103	127	247	0	.0	129	8.14	362	B73)2(2A12) S3 75XT5 1025X26 (85)	302-002 (83)
P06	9	119	19.3	99	0	1	105	102	233	0	.0	121	7.47	282	B73 MAYDIS S3 50XT5 865X66 (85)	49-001 (82)
P06	10	109	19.0	89	0	10	90	109	232	0	.0	104	6.85	286	B73 MAYDIS S4 50XT5 873X74 (85)	4018-002 (84)
P06	11	126	19.0	99	0	1	107	105	230	0	.0	130	7.92	605	B73 MAYDIS S4 50XT5 5489X90 (85)	2965-002 (85)
P06	12	137	18.3	99	0	1	98	124	247	0	.0	144	8.61	298	B73 MAYDIS S7 50XT5 897X98 (85)	3016-001 (83)
P06	13	137	18.2	99	0	1	105	123	245	0	.0	144	8.61	305	B73 MAYDIS S8 50XT5 911X12 (85)	1990-001 (84)
P06	14	136	18.3	94	0	6	105	124	243	0	.0	139	8.56	333	B73 MAYDIS HT S9 50XT5 967X68 (85)	4336-001 (84)
P06	15	137	18.7	97	0	3	103	126	243	0	.0	140	8.61	334	B73 MAYDIS HT S9 50XT5 5491X92 (85)	4337-001 (84)
P06	16	143	18.5	94	0	6	111	134	243	0	.0	143	8.95	335	B73 MAYDIS HT S9 50XT5 599X00 (87)	4340-001 (84)
P06	17	133	19.1	97	0	3	104	125	243	0	.0	135	8.36	408	ETO BLANCO(B73G)S5 25XT5 1117X18 (85)	2182-002 (83)
P06	18	129	19.0	99	0	1	99	116	242	0	.0	132	8.08	409	ETO BLANCO(B73G)S5 25XT5 1119X20 (85)	2182-003 (83)
P06	19	133	19.1	97	2	1	103	110	242	0	.0	135	8.35	410	ETO BLANCO(B73G)S5 25XT5 1121X22 (85)	2182-004 (83)
P06	20	124	18.9	97	0	2	96	119	240	0	.0	127	7.80	411	ETO BLANCO(B73G)S5 25XT5 1123X24 (85)	2183-002 (83)
P06	21	126	19.1	97	0	3	101	118	233	0	.0	127	7.91	416	ETO BLANCO(B73G)S5 25XT5 1133X34 (85)	2184-004 (83)
P06	22	134	19.6	96	0	4	105	113	235	0	.0	132	8.40	418	ETO BLANCO(B73G)S6 25XT5 1137X38 (85)	4451-001 (84)
P06	23	123	19.0	98	0	3	103	126	240	0	.0	125	7.72	420	ETO BLANCO(B73G)S6 25XT5 1141X42 (85)	4451-003 (84)
P06	24	126	18.9	97	0	3	98	117	232	0	.0	129	7.93	421	ETO BLANCO(B73G)S6 25XT5 1143X44 (85)	4451-004 (84)
P06	25	140	18.9	98	0	2	103	130	245	0	.0	144	8.80	901	B73HT X MO17HT	REC. 1987
P06	26	122	19.6	92	0	8	107	117	243	0	.0	116	7.67	905	PIONEER 3369A	REC. 1986
P06	27	135	20.0	99	1	0	103	117	243	0	.0	133	8.47	906	PIONEER 3389	REC. 1985
P06	28	134	22.4	98	0	2	109	123	243	0	.0	120	8.42	902	PIONEER 3165	REC. 1987
P06	29	124	18.7	100	0	0	108	122	250	0	.0	130	7.78	911	PIONEER 3233	REC. 1986
P06	30	138	19.7	97	0	3	108	136	245	0	.0	137	8.69	909	DEKALB 689	REC. 1986
		129	19.0	97	0	3	102	120	241	0	.0	131	8.11		EXPERIMENT MEANS	
		13	.5	5	1	5	8	17	12	0	.0	15	.82		LSD .05 (ENTRY x REP)	
		18	.6	7	1	7	11	23	16	0	.0	21	1.10		LSD .01 (ENTRY x REP)	
		6	1.5	3	690	111	5	9	3	0	0	7	6.		C. V. % (ENTRY x REP)	
		114	100.	114	100	119	89	102	96	0	0	117	114.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 21. Experiment 08 Analysis over locations and years for Pa91(ARB), A. Dent, Tropical Hybrid, Top Crosses, 1988

Year 1988: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1987: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.
Year 1986: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
08	1	113	18.2	83	4	13	95	131	265	75	1.0	105	7.08	377	PA91(ARB) S5	50XT6 1055X56 (85) 4487-001 (84)
08	2	116	18.8	85	4	11	98	111	243	74	1.4	107	7.31	380	PA91(ARB) S5	50XT6 1061X62 (85) 4491-001 (84)
08	3	109	17.9	91	2	7	98	109	242	75	1.4	111	6.87	382	PA91(ARB) S5	50XT6 1065X66 (85) 4492-001 (84)
08	4	115	18.1	87	4	9	97	112	246	74	.4	112	7.24	383	PA91(ARB) S5	50XT6 1067X68 (85) 4493-001 (84)
08	5	110	17.4	91	6	3	102	118	241	71	1.8	115	6.95	429	A. DENT 2 S4	75XT6 1159X60 (85) 1197-003 (83)
08	6	118	18.0	87	4	9	104	127	251	74	.6	115	7.41	637	P105 X AG155 F5S3	XT6 5553X54 (85) 43-001 (85)
08	7	114	18.3	91	1	8	103	124	241	74	.3	114	7.16	638	P105 X AG155 F5S3	XT6 5555X56 (85) 43-002 (85)
08	8	111	17.8	88	2	10	103	131	255	75	.8	110	6.98	639	P105 X AG155 F5S3	XT6 5557X58 (85) 43-003 (85)
08	9	116	17.8	87	3	10	100	120	240	74	.5	114	7.31	489	P105 X AG155 F5S4	XT6 1279X80 (85) 344-001 (84)
08	10	111	17.5	89	2	10	97	115	234	73	.3	112	6.95	493	P105 X AG155 F5S4	XT6 1287X88 (85) 344-005 (84)
08	11	114	18.3	89	4	7	102	127	249	77	.9	111	7.16	498	P105 X AG155 F5S4	XT6 4223X24 (86) 345-003 (84)
08	12	118	18.9	94	1	5	99	125	251	74	1.1	118	7.41	574	P105 X H5 F6S3	XT6 1449X50 (85) M197-001 (83)
08	13	120	18.3	91	4	5	91	123	246	73	.6	120	7.55	519	P105 X H5 F6S3	XT6 1339X40 (85) M198-002 (83)
08	14	127	18.6	93	2	5	97	124	246	75	.4	127	7.99	524	P105 X H5 F6S4	XT6 1349X50 (85) 366-001 (84)
08	15	120	18.8	93	2	6	94	124	246	74	.5	119	7.53	525	P105 X H5 F6S4	XT6 1351X52 (85) 366-002 (84)
08	16	116	18.6	93	1	6	95	120	248	75	1.2	116	7.29	528	P105 X H5 F6S4	XT6 1357X58 (85) 366-005 (84)
08	17	122	18.6	95	1	4	96	119	245	73	.7	124	7.66	575	P105 X H5 F6S4	XT6 1451X52 (85) 366-007 (84)
08	18	116	18.5	92	2	6	93	124	247	74	.3	115	7.26	531	P105 X H5 F6S4	XT6 1363X64 (85) 367-002 (84)
08	19	118	18.9	92	2	6	95	126	248	75	.3	115	7.38	532	P105 X H5 F6S4	XT6 1365X66 (85) 367-003 (84)
08	20	117	18.3	85	6	10	99	126	248	73	1.5	110	7.35	536	P105 X H5 F6S4	XT6 1373X74 (85) 368-003 (84)
08	21	111	18.3	88	6	6	94	120	245	73	1.0	107	6.96	543	P105 X H5 F6S4	XT6 1387X88 (85) 377-006 (84)
08	22	117	19.0	96	2	2	99	127	256	75	1.2	118	7.36	557	((105X155)X(101))F2S2	XT6 1415X16 (85) 5106-001 (84)
08	23	114	17.5	87	3	10	99	102	225	71	.9	113	7.17	901	B73HT X MO17HT	REC. 1987
08	24	107	18.0	88	3	9	101	103	233	71	.1	105	6.72	905	PIONEER 3369A	REC. 1986
08	25	117	18.3	95	1	3	99	101	225	70	.6	121	7.34	906	PIONEER 3389	REC. 1985
08	26	123	20.0	88	9	3	102	107	232	75	.4	111	7.73	902	PIONEER 3165	REC. 1987
08	27	111	18.3	97	0	3	99	98	223	72	.0	116	6.99	904	PIONEER 3358	REC. 1984
08	28	115	20.9	92	2	7	102	105	229	75	.3	102	7.19	907	DEKALB 789	REC. 1987
08	29	121	18.7	94	2	5	101	111	229	74	.3	122	7.61	909	DEKALB 689	REC. 1986
08	30	119	17.7	93	2	5	103	105	232	73	-.3	124	7.46	911	PIONEER 3233	REC. 1986
		116	18.4	90	3	7	99	117	242	74	.7	114	7.28		EXPERIMENT MEANS	
		10	.6	15	14	6	8	11	16	3	.8	26	.99		LSD .05 (ENTRY x ENV)	
		14	.9	20	18	7	11	15	21	3	1.0	35	1.32		LSD .01 (ENTRY x ENV)	
		10	4.	8	137	84	5	6	4	2	75	13	9.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 22. Experiment 08 Analysis over locations for Pa91(ARB), A. Dent, Tropical Hybrid, Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston,N.C.; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD ER	HT(cm) PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
08	1	125	19.9	85	4	11	101	139 285	72	.3	110	7.85	377	PA91(ARB) S5	50XT6 1055X56 (85) 4487-001 (84)
08	2	122	20.3	81	4	15	102	123 267	71	.3	100	7.64	380	PA91(ARB) S5	50XT6 1061X62 (85) 4491-001 (84)
08	3	114	19.1	87	2	11	101	121 260	72	.0	106	7.19	382	PA91(ARB) S5	50XT6 1065X66 (85) 4492-001 (84)
08	4	121	19.7	82	2	16	101	124 266	70	.0	103	7.58	383	PA91(ARB) S5	50XT6 1067X68 (85) 4493-001 (84)
08	5	121	18.9	89	8	3	105	128 260	69	1.3	116	7.63	429	A. DENT 2 S4	75XT6 1159X60 (85) 1197-003 (83)
08	6	128	19.5	83	10	6	107	139 279	71	.3	115	8.05	637	P105 X AG155 F5S3	XT6 5553X54 (85) 43-001 (85)
08	7	128	19.6	91	2	7	106	137 267	71	.0	122	8.04	638	P105 X AG155 F5S3	XT6 5555X56 (85) 43-002 (85)
08	8	126	19.4	91	3	6	104	141 286	72	.0	120	7.89	639	P105 X AG155 F5S3	XT6 5557X58 (85) 43-003 (85)
08	9	124	19.0	81	9	10	103	129 265	72	.3	110	7.77	489	P105 X AG155 F5S4	XT6 1279X80 (85) 344-001 (84)
08	10	117	18.8	82	5	14	102	124 253	70	.0	105	7.32	493	P105 X AG155 F5S4	XT6 1287X88 (85) 344-005 (84)
08	11	122	18.9	80	10	10	106	138 272	73	.0	109	7.68	498	P105 X AG155 F5S4	XT6 4223X24 (86) 345-003 (84)
08	12	130	20.0	92	3	5	102	136 278	73	.0	122	8.16	574	P105 X H5 F6S3	XT6 1449X50 (85) M197-001 (83)
08	13	132	19.8	90	6	4	95	138 274	71	.3	125	8.31	519	P105 X H5 F6S3	XT6 1339X40 (85) M198-002 (83)
08	14	145	20.3	91	5	3	102	136 270	72	.3	133	9.07	524	P105 X H5 F6S4	XT6 1349X50 (85) 366-001 (84)
08	15	140	20.0	93	4	3	100	138 275	71	.3	134	8.77	525	P105 X H5 F6S4	XT6 1351X52 (85) 366-002 (84)
08	16	135	20.2	89	4	7	102	135 282	72	.3	124	8.52	528	P105 X H5 F6S4	XT6 1357X58 (85) 366-005 (84)
08	17	138	20.1	95	2	3	103	131 273	71	.7	132	8.67	575	P105 X H5 F6S4	XT6 1451X52 (85) 366-007 (84)
08	18	133	19.9	90	4	6	100	135 274	72	.0	123	8.36	531	P105 X H5 F6S4	XT6 1363X64 (85) 367-002 (84)
08	19	131	20.3	90	3	7	100	138 278	72	.3	117	8.20	532	P105 X H5 F6S4	XT6 1365X66 (85) 367-003 (84)
08	20	126	19.7	80	12	8	102	139 277	70	1.0	108	7.89	536	P105 X H5 F6S4	XT6 1373X74 (85) 368-003 (84)
08	21	121	20.1	82	12	6	101	139 279	70	1.3	103	7.61	543	P105 X H5 F6S4	XT6 1387X88 (85) 377-006 (84)
08	22	124	20.0	96	3	1	101	142 285	73	.3	121	7.81	557	((105X155)X(101))F2S2	XT6 1415X16 (85) 5106-001 (84)
08	23	141	19.0	91	6	3	108	118 248	67	.7	137	8.87	901	B73HT X MO17HT	REC. 1987
08	24	118	19.7	84	5	10	105	119 260	69	-.3	105	7.44	905	PIONEER 3369A	REC. 1986
08	25	134	19.8	93	3	4	99	124 262	68	.3	129	8.43	906	PIONEER 3389	REC. 1985
08	26	130	21.7	77	18	5	106	127 264	73	.0	99	8.15	902	PIONEER 3165	REC. 1987
08	27	129	19.5	95	0	5	104	121 255	70	-1.0	125	8.11	904	PIONEER 3358	REC. 1984
08	28	130	22.4	88	3	9	106	121 257	73	.0	105	8.14	907	DEKALB 789	REC. 1987
08	29	127	19.6	89	2	10	105	130 262	72	.0	117	7.95	909	DEKALB 689	REC. 1986
08	30	134	19.0	93	2	5	107	123 263	71	-.7	132	8.44	911	PIONEER 3233	REC. 1986
		128	19.8	88	5	7	103	131 269	71	.2	117	8.05		EXPERIMENT MEANS	
		17	.8	15	14	6	8	11 16	3	.8	26	.99		LSD .05 (ENTRY x LOC)	
		22	1.0	20	18	7	11	15 21	3	1.0	35	1.32		LSD .01 (ENTRY x LOC)	
		7	2.	8	99	56	4	4 3	-2	208	10	6.		C. V. % (ENTRY x LOC)	

T 6 = B73Ht x Mo17Ht

Table 23. Experiment C08 Clayton, N.C. Pa91(ARB), A. Dent, Tropical Hybrid, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C08	1	145	19.6	85	11	4	98	145	285	72	.3	134	9.13	377	PA91(ARB) S5 50XT6 1055X56 (85)	4487-001 (84)
C08	2	132	20.1	83	10	7	107	127	269	71	.3	113	8.30	380	PA91(ARB) S5 50XT6 1061X62 (85)	4491-001 (84)
C08	3	124	19.4	92	3	4	106	115	254	72	.0	119	7.79	382	PA91(ARB) S5 50XT6 1065X66 (85)	4492-001 (84)
C08	4	138	19.9	92	3	5	102	131	268	70	.0	128	8.67	383	PA91(ARB) S5 50XT6 1067X68 (85)	4493-001 (84)
C08	5	135	19.2	79	21	0	106	133	259	69	1.3	118	8.50	429	A. DENT 2 S4 75XT6 1159X60 (85)	1197-003 (83)
C08	6	137	19.4	74	23	2	110	144	274	71	.3	115	8.60	637	P105 X AG155 F5S3 XT6 5553X54 (85)	43-001 (85)
C08	7	148	19.7	96	4	0	111	141	262	71	.0	146	9.28	638	P105 X AG155 F5S3 XT6 5555X56 (85)	43-002 (85)
C08	8	138	19.3	90	8	2	108	143	281	72	.0	132	8.69	639	P105 X AG155 F5S3 XT6 5557X58 (85)	43-003 (85)
C08	9	128	19.2	77	21	2	104	139	266	72	.3	109	8.05	489	P105 X AG155 F5S4 XT6 1279X80 (85)	344-001 (84)
C08	10	134	18.8	87	12	3	106	126	253	70	.0	126	8.43	493	P105 X AG155 F5S4 XT6 1287X88 (85)	344-005 (84)
C08	11	139	18.9	74	26	0	109	143	275	73	.0	119	8.70	498	P105 X AG155 F5S4 XT6 4223X24 (86)	345-003 (84)
C08	12	128	20.2	91	6	3	102	141	277	73	.0	119	8.01	574	P105 X H5 F6S3 XT6 1449X50 (85)	H197-001 (83)
C08	13	131	19.5	93	5	1	96	145	273	71	.3	127	8.21	519	P105 X H5 F6S3 XT6 1339X40 (85)	H198-002 (83)
C08	14	157	19.6	85	13	1	102	140	266	72	.3	144	9.85	524	P105 X H5 F6S4 XT6 1349X50 (85)	366-001 (84)
C08	15	150	19.5	94	7	0	108	140	270	71	.3	149	9.42	525	P105 X H5 F6S4 XT6 1351X52 (85)	366-002 (84)
C08	16	146	19.3	91	8	1	105	142	280	72	.3	140	9.19	528	P105 X H5 F6S4 XT6 1357X58 (85)	366-005 (84)
C08	17	145	19.8	97	1	1	104	136	275	71	.7	142	9.08	575	P105 X H5 F6S4 XT6 1451X52 (85)	366-007 (84)
C08	18	138	19.8	91	8	0	100	137	271	72	.0	130	8.68	531	P105 X H5 F6S4 XT6 1363X64 (85)	367-002 (84)
C08	19	143	19.5	89	8	2	100	147	276	72	.3	132	8.95	532	P105 X H5 F6S4 XT6 1365X66 (85)	367-003 (84)
C08	20	132	19.4	72	27	1	107	145	276	70	1.0	109	8.27	536	P105 X H5 F6S4 XT6 1373X74 (85)	368-003 (84)
C08	21	123	20.1	71	28	1	101	145	283	70	1.3	95	7.73	543	P105 X H5 F6S4 XT6 1387X88 (85)	377-006 (84)
C08	22	127	20.1	96	5	1	105	141	274	73	.3	123	8.00	557	((105X155)X(101))F2S2XT6 1415X16 (85)	5106-001 (84)
C08	23	140	18.6	85	14	1	107	120	254	67	.7	133	8.79	901	B73HT X MO17HT	REC. 1987
C08	24	120	19.4	82	9	8	108	117	257	69	-.3	105	7.52	905	PIONEER 3369A	REC. 1986
C08	25	145	20.1	98	2	0	100	128	263	68	.3	140	9.09	906	PIONEER 3389	REC. 1985
C08	26	136	22.4	62	37	0	109	131	258	73	.0	87	8.52	902	PIONEER 3165	REC. 1987
C08	27	149	19.7	98	-1	3	107	123	256	70	-1.0	148	9.35	904	PIONEER 3358	REC. 1984
C08	28	135	22.6	93	6	2	108	125	261	73	.0	115	8.50	907	DEKALB 789	REC. 1987
C08	29	141	19.5	98	3	0	100	130	260	72	.0	140	8.85	909	DEKALB 689	REC. 1986
C08	30	148	19.4	94	5	1	109	127	265	71	-.7	145	9.28	911	PIONEER 3233	REC. 1986
		138	19.7	87	11	2	105	135	268	71	.2	126	8.65		EXPERIMENT MEANS	
		16	.5	14	14	5	7	10	15	2	.8	25	.99		LSD .05 (ENTRY x REP)	
		21	.7	19	18	7	10	14	20	2	1.0	34	1.32		LSD .01 (ENTRY x REP)	
		7	1.6	10	75	165	4	5	3	1	208	12	7.		C. V. % (ENTRY x REP)	
		96	106.	133	146	101	112	110	109	97	93	114	96.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 24. Experiment L08 Lewiston, N.C. Pa91(ARB), A. Dent, Tropical Hybrid, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L08	1	119	20.5	81	2	16	105	127	268	0	.0	97	7.46	377	PA91(ARB) S5 50XT6 1055X56 (85)	4487-001 (84)
L08	2	114	20.8	71	3	26	95	117	258	0	.0	81	7.16	380	PA91(ARB) S5 50XT6 1061X62 (85)	4491-001 (84)
L08	3	98	18.4	80	2	18	98	122	250	0	.0	86	6.18	382	PA91(ARB) S5 50XT6 1065X66 (85)	4492-001 (84)
L08	4	108	19.6	68	3	30	100	110	253	0	.0	78	6.79	383	PA91(ARB) S5 50XT6 1067X68 (85)	4493-001 (84)
L08	5	108	18.2	91	2	8	105	118	243	0	.0	109	6.80	429	A. DENT 2 S4 75XT6 1159X60 (85)	1197-003 (83)
L08	6	118	19.7	81	8	11	102	128	260	0	.0	100	7.39	637	P105 X AG155 F5S3 XT6 5553X54 (85)	43-001 (85)
L08	7	109	19.2	82	1	17	106	127	250	0	.0	95	6.83	638	P105 X AG155 F5S3 XT6 5555X56 (85)	43-002 (85)
L08	8	110	19.6	85	1	13	101	133	267	0	.0	96	6.88	639	P105 X AG155 F5S3 XT6 5557X58 (85)	43-003 (85)
L08	9	111	18.5	75	4	21	100	115	248	0	.0	94	6.99	489	P105 X AG155 F5S4 XT6 1279X80 (85)	344-001 (84)
L08	10	102	18.2	65	4	32	97	125	245	0	.0	76	6.41	493	P105 X AG155 F5S4 XT6 1287X88 (85)	344-005 (84)
L08	11	105	18.4	75	4	21	104	132	258	0	.0	88	6.61	498	P105 X AG155 F5S4 XT6 4223X24 (86)	345-003 (84)
L08	12	123	19.9	90	4	6	102	122	256	0	.0	114	7.70	574	P105 X H5 F6S3 XT6 1449X50 (85)	M197-001 (83)
L08	13	120	19.7	80	12	8	96	128	257	0	.0	102	7.55	519	P105 X H5 F6S3 XT6 1339X40 (85)	M198-002 (83)
L08	14	142	21.1	92	3	5	104	132	263	0	.0	127	8.90	524	P105 X H5 F6S4 XT6 1349X50 (85)	366-001 (84)
L08	15	127	20.6	91	4	4	92	125	247	0	.0	115	7.96	525	P105 X H5 F6S4 XT6 1351X52 (85)	366-002 (84)
L08	16	120	21.4	80	3	16	102	120	260	0	.0	94	7.56	528	P105 X H5 F6S4 XT6 1357X58 (85)	366-005 (84)
L08	17	122	20.3	92	4	4	104	117	247	0	.0	113	7.67	575	P105 X H5 F6S4 XT6 1451X52 (85)	366-007 (84)
L08	18	120	19.9	81	5	14	102	125	255	0	.0	102	7.54	531	P105 X H5 F6S4 XT6 1363X64 (85)	367-002 (84)
L08	19	119	20.7	83	1	17	100	125	253	0	.0	97	7.49	532	P105 X H5 F6S4 XT6 1365X66 (85)	367-003 (84)
L08	20	114	20.0	75	9	16	99	120	256	0	.0	88	7.15	536	P105 X H5 F6S4 XT6 1373X74 (85)	368-003 (84)
L08	21	110	20.2	78	9	14	104	137	262	0	.0	87	6.92	543	P105 X H5 F6S4 XT6 1387X88 (85)	377-006 (84)
L08	22	119	20.0	95	4	1	100	138	270	0	.0	114	7.44	557	((105X155)X(101))F2S2XT6 1415X16 (85)	5106-001 (84)
L08	23	139	19.4	91	3	6	107	107	234	0	.0	132	8.71	901	B73HT X MO17HT	REC. 1987
L08	24	119	20.1	81	7	12	109	118	258	0	.0	100	7.49	905	PIONEER 3369A	REC. 1986
L08	25	123	19.3	85	6	9	104	108	237	0	.0	112	7.70	906	PIONEER 3389	REC. 1985
L08	26	113	20.8	73	16	11	101	117	258	0	.0	83	7.12	902	PIONEER 3165	REC. 1987
L08	27	116	19.5	92	2	6	104	113	244	0	.0	109	7.26	904	PIONEER 3358	REC. 1984
L08	28	133	22.7	80	4	16	104	113	248	0	.0	100	8.33	907	DEKALB 789	REC. 1987
L08	29	108	19.6	79	2	19	105	123	252	0	.0	90	6.81	909	DEKALB 689	REC. 1986
L08	30	132	18.4	90	2	8	109	115	256	0	.0	129	8.28	911	PIONEER 3233	REC. 1986
		117	19.8	82	4	13	102	122	254	0	.0	100	7.37		EXPERIMENT MEANS	
		23	1.6	19	7	17	8	18	17	0	.0	37	1.41		LSD .05 (ENTRY x REP)	
		30	2.1	25	10	23	10	24	23	0	.0	49	1.88		LSD .01 (ENTRY x REP)	
		12	4.9	14	100	77	5	9	4	0	0	22	12.		C. V. % (ENTRY x REP)	
		92	102.	100	102	94	103	88	102	0	0	95	92.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 25. Experiment P08 Plymouth, N.C. Pa91(ARB), A. Dent, Tropical Hybrid, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P08	1	111	19.6	88	0	12	100	144	302	0	.0	100	6.96	377	PA91(ARB) S5 50XT6 1055X56 (85)	4487-001 (84)
P08	2	119	20.0	88	0	12	104	124	273	0	.0	105	7.45	380	PA91(ARB) S5 50XT6 1061X62 (85)	4491-001 (84)
P08	3	121	19.4	88	0	12	100	126	277	0	.0	113	7.61	382	PA91(ARB) S5 50XT6 1065X66 (85)	4492-001 (84)
P08	4	116	19.7	86	0	14	101	131	277	0	.0	103	7.28	383	PA91(ARB) S5 50XT6 1067X68 (85)	4493-001 (84)
P08	5	121	19.3	98	0	2	105	134	277	0	.0	122	7.59	429	A. DENT 2 S4 75XT6 1159X60 (85)	1197-003 (83)
P08	6	130	19.3	95	0	5	110	145	304	0	.0	129	8.16	637	P105 X AG155 F5S3 XT6 5553X54 (85)	43-001 (85)
P08	7	128	19.8	96	0	4	102	143	290	0	.0	125	8.02	638	P105 X AG155 F5S3 XT6 5555X56 (85)	43-002 (85)
P08	8	129	19.3	98	0	3	102	147	310	0	.0	131	8.10	639	P105 X AG155 F5S3 XT6 5557X58 (85)	43-003 (85)
P08	9	132	19.4	92	1	7	104	134	280	0	.0	127	8.26	489	P105 X AG155 F5S4 XT6 1279X80 (85)	344-001 (84)
P08	10	114	19.3	94	0	6	102	121	261	0	.0	112	7.13	493	P105 X AG155 F5S4 XT6 1287X88 (85)	344-005 (84)
P08	11	123	19.3	92	0	8	104	139	282	0	.0	119	7.72	498	P105 X AG155 F5S4 XT6 4223X24 (86)	345-003 (84)
P08	12	140	20.0	94	0	6	103	144	300	0	.0	134	8.78	574	P105 X H5 F6S3 XT6 1449X50 (85)	M197-001 (83)
P08	13	146	20.1	98	0	2	94	142	292	0	.0	145	9.18	519	P105 X H5 F6S3 XT6 1339X40 (85)	M198-002 (83)
P08	14	135	20.3	96	0	4	99	135	281	0	.0	128	8.46	524	P105 X H5 F6S4 XT6 1349X50 (85)	366-001 (84)
P08	15	142	20.0	94	0	6	99	148	307	0	.0	137	8.93	525	P105 X H5 F6S4 XT6 1351X52 (85)	366-002 (84)
P08	16	140	19.8	96	0	4	99	142	307	0	.0	137	8.81	528	P105 X H5 F6S4 XT6 1357X58 (85)	366-005 (84)
P08	17	147	20.2	96	0	4	102	140	297	0	.0	142	9.25	575	P105 X H5 F6S4 XT6 1451X52 (85)	366-007 (84)
P08	18	141	20.1	97	0	3	98	143	297	0	.0	137	8.86	531	P105 X H5 F6S4 XT6 1363X64 (85)	367-002 (84)
P08	19	130	20.7	97	0	3	101	141	306	0	.0	123	8.16	532	P105 X H5 F6S4 XT6 1365X66 (85)	367-003 (84)
P08	20	131	19.7	94	0	6	99	152	299	0	.0	126	8.24	536	P105 X H5 F6S4 XT6 1373X74 (85)	368-003 (84)
P08	21	130	20.1	98	0	2	97	134	292	0	.0	128	8.19	543	P105 X H5 F6S4 XT6 1387X88 (85)	377-006 (84)
P08	22	127	20.0	98	0	2	99	146	311	0	.0	126	7.99	557	((105X155)X(101))F2S2XT6 1415X16 (85)	5106-001 (84)
P08	23	145	19.0	96	2	2	109	126	257	0	.0	146	9.10	901	B73HT X MO17HT	REC. 1987
P08	24	116	19.5	90	0	10	98	122	264	0	.0	109	7.30	905	PIONEER 3369A	REC. 1986
P08	25	135	19.9	97	0	3	92	135	286	0	.0	134	8.50	906	PIONEER 3389	REC. 1985
P08	26	140	21.9	97	0	3	108	133	275	0	.0	126	8.82	902	PIONEER 3165	REC. 1987
P08	27	123	19.3	94	0	7	102	128	265	0	.0	119	7.71	904	PIONEER 3358	REC. 1984
P08	28	121	22.0	90	0	10	106	126	261	0	.0	101	7.60	907	DEKALB 789	REC. 1987
P08	29	131	19.7	89	0	11	110	137	274	0	.0	121	8.20	909	DEKALB 689	REC. 1986
P08	30	123	19.2	95	0	5	103	127	269	0	.0	122	7.75	911	PIONEER 3233	REC. 1986
		130	19.9	94	0	6	102	136	286	0	.0	124	8.14		EXPERIMENT MEANS	
		15	.5	7	1	7	7	12	21	0	.0	19	.94		LSD .05 (ENTRY x REP)	
		20	.7	10	1	10	9	16	28	0	.0	25	1.25		LSD .01 (ENTRY x REP)	
		7	1.6	5	710	76	4	5	4	0	0	9	7.		C. V. % (ENTRY x REP)	
		89	144.	99	100	100	104	104	101	0	0	95	89.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 26. Experiment 09 Analysis over locations and years for NC262(TZ70) Tester Crosses (3rd. Year), 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1986: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
09	1	132	18.8	94	4	2	100	101	233	72	.9	132	8.27	643	B73HT X TZ70	5221X22 (85) DOWNING (85)
09	2	112	18.7	96	1	3	97	79	208	72	1.7	115	7.05	644	MO17HT X TZ70	5223X24 (85) DOWNING (85)
09	3	132	18.6	97	3	1	100	100	229	72	.4	136	8.31	645	BB11 X TZ70	5225X26 (85) 1-001 (85)
09	4	130	19.0	95	2	3	102	95	229	72	.9	130	8.15	646	BB15 X TZ70	5227X28 (85) 2-001 (85)
09	5	120	18.3	97	1	2	97	101	232	72	1.4	125	7.55	652	B73 MAYDIS S2 94 X TZ70	5239X40 (85) 3064-001 (83)
09	6	123	18.6	98	1	1	101	98	228	72	1.3	127	7.69	656	B73 MAYDIS S2 88 X TZ70	5247X48 (85) 3504-001 (82)
09	7	128	19.0	97	1	2	101	97	229	72	1.8	130	8.01	658	B73 MAYDIS S4 88 X TZ70	5251X52 (85) 4031-001 (84)
09	8	122	18.4	96	0	4	100	93	226	71	1.3	126	7.69	659	B73 MAYDIS S4 88 X TZ70	5253X54 (85) 4031-002 (84)
09	9	120	19.0	97	0	3	94	95	227	71	2.0	122	7.54	660	B73 MAYDIS S4 88 X TZ70	5255X56 (85) 4031-005 (84)
09	10	119	18.2	94	2	4	97	104	234	73	1.6	122	7.48	662	B73 MAYDIS S4 75 X TZ70	5259X60 (85) 3387-002 (82)
09	11	127	18.2	93	2	5	101	105	235	73	1.3	129	7.97	663	B73 MAYDIS S5 75 X TZ70	5261X62 (85) 2958-001 (85)
09	12	123	18.7	95	2	2	99	104	232	74	1.5	125	7.73	664	B73 MAYDIS S5 75 X TZ70	5263X64 (85) 2958-002 (85)
09	13	126	18.8	96	2	2	97	102	233	73	1.7	128	7.89	665	B73 MAYDIS S5 75 X TZ70	5265X66 (85) 2958-003 (85)
09	14	131	18.9	94	1	5	105	106	236	73	1.0	131	8.22	666	B73 MAYDIS S6 75 X TZ70	5409X10 (86) 4022-003 (84)
09	15	124	18.8	96	1	3	95	104	234	73	1.1	127	7.81	668	B73 MAYDIS S6 75 X TZ70	5271X72 (85) 4026-002 (84)
09	16	122	18.6	94	3	4	93	101	233	73	1.5	122	7.64	669	B73 MAYDIS S6 75 X TZ70	5273X74 (85) 4026-003 (84)
09	17	124	18.7	95	2	2	103	99	229	73	1.4	127	7.81	670	B73 MAYDIS S6 75 X TZ70	5275X76 (85) 4026-004 (84)
09	18	124	18.5	96	1	4	100	102	232	73	1.0	127	7.79	671	B73 MAYDIS S6 75 X TZ70	5277X78 (85) 4027-001 (84)
09	19	129	18.5	94	3	3	101	103	232	73	1.2	130	8.08	672	B73 MAYDIS S6 75 X TZ70	5279X80 (85) 4027-002 (84)
09	20	127	18.6	96	1	3	102	103	236	73	.6	130	8.00	673	B73 MAYDIS S6 75 X TZ70	5281X82 (85) 4027-003 (84)
09	21	124	18.5	94	1	5	97	101	231	73	.9	126	7.82	674	B73 MAYDIS S6 75 X TZ70	5283X84 (85) 4027-004 (84)
09	22	123	18.7	94	1	4	104	105	232	74	1.0	124	7.76	677	B73 MAYDIS S6 75 X TZ70	5289X90 (85) 4028-004 (84)
09	23	124	18.6	92	3	5	97	104	235	73	1.5	124	7.80	678	B73 MAYDIS S6 75 X TZ70	5291X92 (85) 4029-001 (84)
09	24	115	18.5	96	2	2	101	83	218	72	1.0	119	7.25	686	B73 MAYDIS S4 50 X TZ70	5307X 8 (85) 2965-001 (85)
09	25	115	18.8	95	2	3	97	84	215	71	.7	117	7.24	687	B73 MAYDIS S4 50 X TZ70	5309X10 (85) 2965-002 (85)
09	26	117	18.1	96	1	2	99	104	235	73	1.9	123	7.38	699	B73 MAY HT S9 50 X TZ70	5333X34 (85) 4336-001 (84)
09	27	121	18.0	94	3	3	101	102	234	73	1.9	125	7.61	700	B73 MAY HT S9 50 X TZ70	4081X82 (87) 4337-001 (84)
09	28	124	18.7	97	1	2	97	107	235	73	1.7	128	7.80	702	B73 MAY FL S1 94 X TZ70	5339X40 (85) 2636-001 (83)
09	29	124	17.9	97	1	2	98	105	231	72	1.6	132	7.81	703	B73 MAY FL S1 94 X TZ70	5341X42 (85) 2637-001 (83)
09	30	120	18.1	97	1	2	92	106	234	72	.9	125	7.52	704	B73 MAY FL S2 94 X TZ70	5343X44 (85) 2976-001 (85)
09	31	123	18.3	97	1	2	98	104	234	73	1.3	128	7.75	705	B73 MAY FL S2 94 X TZ70	5345X46 (85) 2976-002 (85)
09	32	116	18.7	98	0	2	101	92	223	71	1.6	121	7.29	711	MM2217(MO17RG)S494X TZ70	5357X58 (85) 553-002 (83)
09	33	114	18.8	98	0	2	99	92	224	71	1.6	119	7.18	714	MM2217(MO17RG)S594X TZ70	5363X64 (85) 30-003 (85)
09	34	108	18.2	99	0	1	99	62	179	69	.9	116	6.75	717	OH43E(MO17) S1 88 X TZ70	5369X70 (85) 2233-001 (83)
09	35	120	19.8	96	1	3	99	111	233	74	1.3	117	7.54	743	P105 X AG155 F5S3 X TZ70	5421X22 (85) 43-001 (85)
09	36	119	19.1	96	2	3	103	109	236	74	1.1	119	7.49	745	P105 X AG155 F5S3 X TZ70	5425X26 (85) 43-003 (85)
09	37	123	19.2	91	7	2	99	119	242	72	1.2	118	7.75	732	A.DENT 2 S4 75 X TZ70	5399X00 (85) 1194-001 (83)
09	38	127	18.7	95	2	4	98	106	230	72	1.4	127	7.96	6001	B73 X SC76G	S195X96 (85) SISCO
09	39	120	17.1	97	1	2	98	104	228	72	.8	132	7.55	901	B73HT X MO17HT	REC. 1987
09	40	126	17.9	97	1	2	97	103	225	71	1.2	134	7.94	906	PIONEER 3389	REC. 1985
09	41	127	17.8	97	1	2	103	105	233	73	.1	135	7.97	911	PIONEER 3233	REC. 1986
09	42	133	18.1	93	3	5	101	111	227	74	.7	136	8.36	909	DEKALB 689	REC. 1986
		123	18.5	96	2	3	99	100	229	72	1.2	126	7.72		EXPERIMENT MEANS	
		11	.6	3	1	3	5	9	10	2	1.5	18	1.03		LSD .05 (ENTRY x ENV)	
		14	.8	4	1	3	7	12	13	2	2.0	24	1.36		LSD .01 (ENTRY x ENV)	
		10	3.	5	207	98	5	6	4	2	46	10	9.		C. V. % (ENTRY x ENV)	

Table 27. Experiment 09 Analysis over locations for MC262(TZ70) Tester Crosses (3rd. Year), 1988
Locations: Clayton, N.C. ; Lewiston,N.C. ; Plymouth,N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
09	1	140	19.9	97	1	2	104	115	246	66	1.0	137	8.76	643	B73HT X TZ70	5221X22 (85) DOWNING (85)
09	2	122	20.5	94	2	4	102	96	224	67	.7	114	7.64	644	MO17HT X TZ70	5223X24 (85) DOWNING (85)
09	3	136	20.1	99	1	1	103	111	241	68	-.3	135	8.55	645	B811 X TZ70	5225X26 (85) 1-001 (85)
09	4	138	20.0	98	0	2	105	109	244	68	.3	135	8.64	646	B815 X TZ70	5227X28 (85) 2-001 (85)
09	5	130	19.5	97	0	2	106	112	247	67	.7	130	8.19	652	B73 MAYDIS S2 94 X TZ70	5239X40 (85) 3064-001 (83)
09	6	133	19.8	98	1	1	107	112	246	67	1.3	132	8.36	656	B73 MAYDIS S2 88 X TZ70	5247X48 (85) 3504-001 (82)
09	7	131	20.2	97	2	1	105	110	244	67	1.7	127	8.21	658	B73 MAYDIS S4 88 X TZ70	5251X52 (85) 4031-001 (84)
09	8	133	19.8	97	0	3	104	105	240	66	1.3	130	8.33	659	B73 MAYDIS S4 88 X TZ70	5253X54 (85) 4031-002 (84)
09	9	134	20.0	97	0	3	104	111	241	66	1.3	130	8.40	660	B73 MAYDIS S4 88 X TZ70	5255X56 (85) 4031-005 (84)
09	10	132	19.5	96	1	3	104	118	249	68	.3	130	8.31	662	B73 MAYDIS S4 75 X TZ70	5259X60 (85) 3387-002 (82)
09	11	128	19.4	96	0	3	104	119	250	68	1.0	128	8.04	663	B73 MAYDIS S5 75 X TZ70	5261X62 (85) 2958-001 (85)
09	12	134	19.5	99	0	1	107	116	251	69	.7	135	8.39	664	B73 MAYDIS S5 75 X TZ70	5263X64 (85) 2958-002 (85)
09	13	131	19.4	99	0	1	105	112	247	68	1.3	132	8.22	665	B73 MAYDIS S5 75 X TZ70	5265X66 (85) 2958-003 (85)
09	14	134	20.0	96	2	2	107	115	247	69	.7	130	8.42	666	B73 MAYDIS S6 75 X TZ70	5409X10 (86) 4022-003 (84)
09	15	131	19.4	98	0	2	105	117	250	68	1.0	132	8.24	668	B73 MAYDIS S6 75 X TZ70	5271X72 (85) 4026-002 (84)
09	16	130	19.9	94	2	4	106	113	253	68	1.0	125	8.17	669	B73 MAYDIS S6 75 X TZ70	5273X74 (85) 4026-003 (84)
09	17	131	19.8	98	1	1	108	110	242	68	1.0	131	8.25	670	B73 MAYDIS S6 75 X TZ70	5275X76 (85) 4026-004 (84)
09	18	131	19.5	96	1	4	106	111	246	68	.7	130	8.23	671	B73 MAYDIS S6 75 X TZ70	5277X78 (85) 4027-001 (84)
09	19	135	19.5	97	1	2	107	113	245	68	.7	135	8.45	672	B73 MAYDIS S6 75 X TZ70	5279X80 (85) 4027-002 (84)
09	20	134	19.4	98	0	2	107	117	250	69	-1.7	136	8.44	673	B73 MAYDIS S6 75 X TZ70	5281X82 (85) 4027-003 (84)
09	21	132	19.5	96	0	4	104	111	248	68	.7	132	8.33	674	B73 MAYDIS S6 75 X TZ70	5283X84 (85) 4027-004 (84)
09	22	123	20.0	96	1	3	106	117	246	69	1.0	119	7.74	677	B73 MAYDIS S6 75 X TZ70	5289X90 (85) 4028-004 (84)
09	23	131	19.5	96	2	2	104	114	250	68	1.0	129	8.21	678	B73 MAYDIS S6 75 X TZ70	5291X92 (85) 4029-001 (84)
09	24	122	19.6	98	1	2	106	96	235	68	.0	122	7.68	686	B73 MAYDIS S4 50 X TZ70	5307X 8 (85) 2965-001 (85)
09	25	121	19.8	94	2	3	104	96	227	67	.7	116	7.60	687	B73 MAYDIS S4 50 X TZ70	5309X10 (85) 2965-002 (85)
09	26	127	19.1	97	1	3	105	118	251	68	2.0	128	7.98	699	B73 MAY MT S9 50 X TZ70	5333X34 (85) 4336-001 (84)
09	27	128	18.8	97	0	2	108	115	249	68	2.3	131	8.05	700	B73 MAY MT S9 50 X TZ70	4081X82 (87) 4337-001 (84)
09	28	134	20.1	99	0	1	103	122	252	67	1.0	132	8.41	702	B73 MAY FL S1 94 X TZ70	5339X40 (85) 2636-001 (83)
09	29	134	19.5	98	0	2	104	119	249	67	1.3	134	8.40	703	B73 MAY FL S1 94 X TZ70	5341X42 (85) 2637-001 (83)
09	30	137	19.7	96	2	2	105	122	248	67	1.3	134	8.63	704	B73 MAY FL S2 94 X TZ70	5343X44 (85) 2976-001 (85)
09	31	138	20.5	97	1	2	106	117	247	68	.7	132	8.65	705	B73 MAY FL S2 94 X TZ70	5345X46 (85) 2976-002 (85)
09	32	124	20.2	98	0	2	107	107	243	66	2.0	122	7.80	711	MM2217(MO17RG)S494X TZ70	5357X58 (85) 553-002 (83)
09	33	126	20.4	99	0	1	104	108	242	66	1.7	123	7.91	714	MM2217(MO17RG)S594X TZ70	5363X64 (85) 30-003 (85)
09	34	112	19.4	99	0	1	103	77	195	65	.7	114	7.02	717	OH43E(MO17) S1 88 X TZ70	5369X70 (85) 2233-001 (83)
09	35	125	20.8	96	1	2	103	120	242	68	.7	117	7.81	743	P105 X AG155 F5S3 X TZ70	5421X22 (85) 43-001 (85)
09	36	121	19.7	94	3	3	105	117	247	69	.3	118	7.62	745	P105 X AG155 F5S3 X TZ70	5425X26 (85) 43-003 (85)
09	37	138	20.7	95	3	2	107	131	257	69	.7	129	8.65	732	A.DENT 2 S4 75 X TZ70	5399X00 (85) 1194-001 (83)
09	38	133	19.9	95	0	5	104	118	252	69	.7	129	8.36	6001	B73 X SC76G	S195X96 (85) SISCO
09	39	136	18.5	96	1	2	104	123	252	67	1.3	140	8.52	901	B73HT X MO17HT	REC. 1987
09	40	145	19.6	97	2	1	101	120	251	68	.7	143	9.06	906	PIONEER 3389	REC. 1985
09	41	137	18.9	98	0	2	104	123	257	71	-.7	140	8.62	911	PIONEER 3233	REC. 1986
09	42	144	19.4	94	0	6	107	125	252	71	.0	142	9.06	909	DEKALB 689	REC. 1986
		131	19.7	97	1	2	105	113	245	68	.8	130	8.25		EXPERIMENT MEANS	
		15	.6	3	1	2	5	9	10	2	1.5	18	1.03		LSD .05 (ENTRY x ENV)	
		20	.8	4	1	3	7	12	13	2	2.0	24	1.36		LSD .01 (ENTRY x ENV)	
		7	2.	3	158	72	3	5	3	2	112	8	7.		C. V. % (ENTRY x ENV)	

T 7 = MC262 (TZ70)

Table 28. Experiment C09 Clayton, N.C. MC262(TZ70) Tester Crosses (3rd. Year), 1988
42 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C09	1	138	19.0	100	0	0	107	91	243	66	1.0	143	8.67	643	B73HT X TZ70	5221X22 (85) DOWNING (85)
C09	2	136	19.7	99	0	1	104	76	227	67	.7	136	8.54	644	MO17HT X TZ70	5223X24 (85) DOWNING (85)
C09	3	132	19.2	100	0	0	108	95	238	68	-.3	136	8.29	645	BB11 X TZ70	5225X26 (85) 1-001 (85)
C09	4	136	19.9	97	0	3	110	90	240	68	.3	134	8.54	646	BB15 X TZ70	5227X28 (85) 2-001 (85)
C09	5	131	19.0	100	0	0	111	96	251	67	.7	135	8.21	652	B73 MAYDIS S2 94 X TZ70	5239X40 (85) 3064-001 (83)
C09	6	142	19.7	100	0	0	109	95	247	67	1.3	143	8.91	656	B73 MAYDIS S2 88 X TZ70	5247X48 (85) 3504-001 (82)
C09	7	148	20.1	100	0	0	108	92	245	67	1.7	147	9.27	658	B73 MAYDIS S4 88 X TZ70	5251X52 (85) 4031-001 (84)
C09	8	155	19.9	100	0	0	106	90	246	66	1.3	155	9.74	659	B73 MAYDIS S4 88 X TZ70	5253X54 (85) 4031-002 (84)
C09	9	157	20.0	99	0	1	107	100	245	66	1.3	156	9.89	660	B73 MAYDIS S4 88 X TZ70	5255X56 (85) 4031-005 (84)
C09	10	133	19.3	98	0	2	108	101	251	68	.3	135	8.37	662	B73 MAYDIS S4 75 X TZ70	5259X60 (85) 3387-002 (82)
C09	11	132	19.4	99	0	1	104	105	253	68	1.0	134	8.28	663	B73 MAYDIS S5 75 X TZ70	5261X62 (85) 2958-001 (85)
C09	12	129	19.5	100	0	0	109	97	246	69	.7	132	8.11	664	B73 MAYDIS S5 75 X TZ70	5263X64 (85) 2958-002 (85)
C09	13	137	19.2	100	0	0	107	99	250	68	1.3	140	8.58	665	B73 MAYDIS S5 75 X TZ70	5265X66 (85) 2958-003 (85)
C09	14	149	19.8	98	0	2	111	103	251	69	.7	148	9.35	666	B73 MAYDIS S6 75 X TZ70	5409X10 (86) 4022-003 (84)
C09	15	140	19.4	99	0	1	107	103	252	68	1.0	142	8.77	668	B73 MAYDIS S6 75 X TZ70	5271X72 (85) 4026-002 (84)
C09	16	132	19.7	96	0	4	108	102	253	68	1.0	129	8.26	669	B73 MAYDIS S6 75 X TZ70	5273X74 (85) 4026-003 (84)
C09	17	133	19.7	100	0	0	108	97	246	68	1.0	135	8.36	670	B73 MAYDIS S6 75 X TZ70	5275X76 (85) 4026-004 (84)
C09	18	135	19.1	100	0	0	109	104	252	68	.7	140	8.47	671	B73 MAYDIS S6 75 X TZ70	5277X78 (85) 4027-001 (84)
C09	19	137	19.6	100	0	0	109	98	251	68	.7	140	8.63	672	B73 MAYDIS S6 75 X TZ70	5279X80 (85) 4027-002 (84)
C09	20	139	19.5	100	0	0	108	97	248	69-	1.7	142	8.75	673	B73 MAYDIS S6 75 X TZ70	5281X82 (85) 4027-003 (84)
C09	21	136	19.4	98	0	2	107	101	253	68	.7	138	8.56	674	B73 MAYDIS S6 75 X TZ70	5283X84 (85) 4027-004 (84)
C09	22	129	19.4	98	0	2	108	102	253	69	1.0	130	8.10	677	B73 MAYDIS S6 75 X TZ70	5289X90 (85) 4028-004 (84)
C09	23	135	19.5	99	0	1	105	97	250	68	1.0	137	8.48	678	B73 MAYDIS S6 75 X TZ70	5291X92 (85) 4029-001 (84)
C09	24	144	19.7	98	0	2	109	83	239	68	.0	144	9.05	686	B73 MAYDIS S4 50 X TZ70	5307X 8 (85) 2965-001 (85)
C09	25	138	20.2	100	0	0	106	85	238	67	.7	137	8.66	687	B73 MAYDIS S4 50 X TZ70	5309X10 (85) 2965-002 (85)
C09	26	120	19.3	98	0	2	107	108	256	68	2.0	121	7.52	699	B73 MAY HT S9 50 X TZ70	5333X34 (85) 4336-001 (84)
C09	27	138	19.1	99	0	1	111	106	258	68	2.3	141	8.65	700	B73 MAY HT S9 50 X TZ70	4081X82 (87) 4337-001 (84)
C09	28	145	19.5	100	0	0	109	112	255	67	1.0	148	9.12	702	B73 MAY FL S1 94 X TZ70	5339X40 (85) 2636-001 (83)
C09	29	153	19.3	100	0	0	107	104	256	67	1.3	157	9.62	703	B73 MAY FL S1 94 X TZ70	5341X42 (85) 2637-001 (83)
C09	30	148	19.4	100	0	0	108	107	254	67	1.3	151	9.31	704	B73 MAY FL S2 94 X TZ70	5343X44 (85) 2976-001 (85)
C09	31	148	19.6	98	0	2	106	106	257	68	.7	148	9.30	705	B73 MAY FL S2 94 X TZ70	5345X46 (85) 2976-002 (85)
C09	32	136	19.9	100	0	0	110	95	246	66	2.0	136	8.52	711	MM2217(MO17RG)S494X TZ70	5357X58 (85) 553-002 (83)
C09	33	147	19.6	100	0	0	106	97	247	66	1.7	149	9.24	714	MM2217(MO17RG)S594X TZ70	5363X64 (85) 30-003 (85)
C09	34	121	19.1	99	0	1	109	66	205	65	.7	126	7.62	717	OH43E(MO17) S1 88 X TZ70	5369X70 (85) 2233-001 (83)
C09	35	147	20.8	100	0	0	109	106	248	68	.7	143	9.21	743	P105 X AG155 F5S3 X TZ70	5421X22 (85) 43-001 (85)
C09	36	144	19.7	99	0	1	107	109	248	69	.3	145	9.04	745	P105 X AG155 F5S3 X TZ70	5425X26 (85) 43-003 (85)
C09	37	158	19.9	98	1	1	109	126	264	69	.7	156	9.90	732	A.DENT 2 S4 75 X TZ70	5399X00 (85) 1194-001 (83)
C09	38	155	19.6	99	0	1	107	111	258	69	.7	157	9.75	6001	B73 X SC76G	S195X96 (85) SISCO
C09	39	149	17.6	99	0	1	107	110	258	67	1.3	161	9.38	901	B73HT X MO17HT	REC. 1987
C09	40	162	19.4	99	0	1	106	116	260	68	.7	163	10.14	906	PIONEER 3389	REC. 1985
C09	41	162	19.0	100	0	0	108	117	264	71	-.7	167	10.19	911	PIONEER 3233	REC. 1986
C09	42	150	19.5	99	0	1	105	123	258	71	.0	152	9.43	909	DEKALB 689	REC. 1986
		141	19.5	99	0	1	108	100	249	68	.8	143	8.88		EXPERIMENT MEANS	
		16	.6	2	0	2	4	8	9	1	1.5	17	1.03		LSD .05 (ENTRY x REP)	
		22	.8	3	0	3	6	11	12	1	2.0	23	1.36		LSD .01 (ENTRY x REP)	
		7	1.9	1	999	184	2	5	2	1	112	7	7.		C. V. % (ENTRY x REP)	
		88	107.	96	100	95	103	120	106	108	98	86	88.		R. E % (LATTICE)	

T 7 = MC262 (TZ70)

Table 29. Experiment L09 Lewiston, N.C. MC262(TZ70) Tester Crosses (3rd. Year), 1988
42 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L09	1	138	21.0	94	3	3	104	123	247	0	.0	126	8.65	643	B73HT X TZ70	5221X22 (85) DOWNING (85)
L09	2	107	21.7	89	5	6	98	99	215	0	.0	88	6.73	644	MO17HT X TZ70	5223X24 (85) DOWNING (85)
L09	3	132	21.2	98	2	1	102	113	230	0	.0	124	8.30	645	BB11 X TZ70	5225X26 (85) 1-001 (85)
L09	4	143	20.2	99	1	0	106	112	246	0	.0	141	8.98	646	BB15 X TZ70	5227X28 (85) 2-001 (85)
L09	5	129	19.9	96	1	3	104	117	247	0	.0	125	8.11	652	B73 MAYDIS S2 94	X TZ70 5239X40 (85) 3064-001 (83)
L09	6	126	20.4	95	4	2	106	117	247	0	.0	119	7.90	656	B73 MAYDIS S2 88	X TZ70 5247X48 (85) 3504-001 (82)
L09	7	121	20.8	94	5	2	107	114	242	0	.0	111	7.60	658	B73 MAYDIS S4 88	X TZ70 5251X52 (85) 4031-001 (84)
L09	8	112	19.5	95	1	4	104	102	227	0	.0	109	7.03	659	B73 MAYDIS S4 88	X TZ70 5253X54 (85) 4031-002 (84)
L09	9	124	20.5	96	0	4	106	108	233	0	.0	118	7.81	660	B73 MAYDIS S4 88	X TZ70 5255X56 (85) 4031-005 (84)
L09	10	129	19.9	93	3	4	103	127	250	0	.0	122	8.10	662	B73 MAYDIS S4 75	X TZ70 5259X60 (85) 3387-002 (82)
L09	11	119	19.5	92	1	6	107	120	245	0	.0	114	7.49	663	B73 MAYDIS S5 75	X TZ70 5261X62 (85) 2958-001 (85)
L09	12	132	19.3	98	0	2	107	128	258	0	.0	133	8.28	664	B73 MAYDIS S5 75	X TZ70 5263X64 (85) 2958-002 (85)
L09	13	124	19.6	98	0	2	106	109	238	0	.0	123	7.77	665	B73 MAYDIS S5 75	X TZ70 5265X66 (85) 2958-003 (85)
L09	14	118	20.6	92	5	3	103	116	241	0	.0	107	7.42	666	B73 MAYDIS S6 75	X TZ70 5409X10 (86) 4022-003 (84)
L09	15	114	19.4	97	1	2	105	118	245	0	.0	115	7.18	668	B73 MAYDIS S6 75	X TZ70 5271X72 (85) 4026-002 (84)
L09	16	124	20.2	89	6	4	104	119	254	0	.0	112	7.76	669	B73 MAYDIS S6 75	X TZ70 5273X74 (85) 4026-003 (84)
L09	17	125	19.7	97	2	1	109	108	233	0	.0	123	7.84	670	B73 MAYDIS S6 75	X TZ70 5275X76 (85) 4026-004 (84)
L09	18	128	19.8	91	2	7	107	103	233	0	.0	120	8.01	671	B73 MAYDIS S6 75	X TZ70 5277X78 (85) 4027-001 (84)
L09	19	128	19.3	94	2	3	105	117	238	0	.0	126	8.03	672	B73 MAYDIS S6 75	X TZ70 5279X80 (85) 4027-002 (84)
L09	20	123	19.4	98	0	2	104	124	246	0	.0	125	7.75	673	B73 MAYDIS S6 75	X TZ70 5281X82 (85) 4027-003 (84)
L09	21	130	19.5	93	0	7	107	110	243	0	.0	127	8.19	674	B73 MAYDIS S6 75	X TZ70 5283X84 (85) 4027-004 (84)
L09	22	107	20.6	92	4	5	106	122	240	0	.0	96	6.71	677	B73 MAYDIS S6 75	X TZ70 5289X90 (85) 4028-004 (84)
L09	23	113	19.5	90	6	4	102	120	249	0	.0	106	7.09	678	B73 MAYDIS S6 75	X TZ70 5291X92 (85) 4029-001 (84)
L09	24	108	19.4	96	2	2	107	97	232	0	.0	107	6.81	686	B73 MAYDIS S4 50	X TZ70 5307X 8 (85) 2965-001 (85)
L09	25	101	19.6	84	7	8	107	98	213	0	.0	87	6.35	687	B73 MAYDIS S4 50	X TZ70 5309X10 (85) 2965-002 (85)
L09	26	125	18.9	93	2	5	104	118	250	0	.0	124	7.88	699	B73 MAY HT S9 50	X TZ70 5333X34 (85) 4336-001 (84)
L09	27	122	18.5	95	1	3	108	107	239	0	.0	125	7.67	700	B73 MAY HT S9 50	X TZ70 4081X82 (87) 4337-001 (84)
L09	28	127	20.9	98	1	1	102	118	245	0	.0	121	7.96	702	B73 MAY FL S1 94	X TZ70 5339X40 (85) 2636-001 (83)
L09	29	121	19.9	98	1	1	105	119	239	0	.0	119	7.59	703	B73 MAY FL S1 94	X TZ70 5341X42 (85) 2637-001 (83)
L09	30	129	20.1	91	6	3	107	125	245	0	.0	118	8.11	704	B73 MAY FL S2 94	X TZ70 5343X44 (85) 2976-001 (85)
L09	31	120	21.9	95	3	2	106	111	234	0	.0	104	7.51	705	B73 MAY FL S2 94	X TZ70 5345X46 (85) 2976-002 (85)
L09	32	115	20.8	96	1	4	106	110	235	0	.0	107	7.25	711	MM2217(MO17RG)S494	X TZ70 5357X58 (85) 553-002 (83)
L09	33	113	21.7	98	1	2	106	108	235	0	.0	103	7.08	714	MM2217(MO17RG)S594	X TZ70 5363X64 (85) 30-003 (85)
L09	34	106	19.9	100	0	0	102	75	181	0	.0	106	6.68	717	OH43E(MO17) S1 88	X TZ70 5369X70 (85) 2233-001 (83)
L09	35	108	20.7	95	4	1	98	128	238	0	.0	99	6.75	743	P105 X AG155 F5S3	X TZ70 5421X22 (85) 43-001 (85)
L09	36	103	19.4	92	8	0	105	118	250	0	.0	98	6.45	745	P105 X AG155 F5S3	X TZ70 5425X26 (85) 43-003 (85)
L09	37	123	21.5	88	8	4	109	130	253	0	.0	104	7.72	732	A.DENT 2 S4 75	X TZ70 5399X00 (85) 1194-001 (83)
L09	38	126	20.4	95	0	5	105	109	241	0	.0	119	7.93	6001	B73 X SC76G	SISCO $195X96 (85)
L09	39	132	19.0	94	3	2	104	128	248	0	.0	132	8.26	901	B73HT X MO17HT	REC. 1987
L09	40	137	19.7	92	6	2	102	119	248	0	.0	131	8.60	906	PIONEER 3389	REC. 1985
L09	41	133	18.9	95	0	5	106	123	260	0	.0	134	8.38	911	PIONEER 3233	REC. 1986
L09	42	137	19.1	95	0	5	108	122	246	0	.0	137	8.58	909	DEKALB 689	REC. 1986
		122	20.0	94	3	3	105	115	240	0	.0	116	7.67		EXPERIMENT MEANS	
		16	1.3	8	6	5	5	15	24	0	.0	22	1.00		LSD .05 (ENTRY x REP)	
		21	1.7	10	9	6	7	20	32	0	.0	30	1.32		LSD .01 (ENTRY x REP)	
		8	3.8	5	151	96	3	8	6	0	0	12	8.		C. V. % (ENTRY x REP)	
		102	104.	100	100	94	101	105	100	0	0	104	102.		R. E % (LATTICE)	

T 7 = MC262 (TZ70)

Table 30. Experiment P09 Plymouth, N.C. NC262(TZ70) Tester Crosses (3rd. Year), 1988
42 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P09	1	143	19.8	98	0	2	102	130	247	0	.0	142	8.96	643	B73HT X TZ70 5221X22 (85)	DOWNING (85)
P09	2	122	20.0	95	0	5	104	112	230	0	.0	117	7.66	644	MO17HT X TZ70 5223X24 (85)	DOWNING (85)
P09	3	144	19.9	99	0	1	98	125	254	0	.0	144	9.05	645	BB11 X TZ70 5225X26 (85)	1-001 (85)
P09	4	134	19.9	97	0	3	99	125	245	0	.0	131	8.40	646	BB15 X TZ70 5227X28 (85)	2-001 (85)
P09	5	131	19.5	96	0	4	103	123	244	0	.0	130	8.26	652	B73 MAYDIS S2 94 X TZ70 5239X40 (85)	3064-001 (83)
P09	6	132	19.4	99	0	1	106	123	245	0	.0	134	8.27	656	B73 MAYDIS S2 88 X TZ70 5247X48 (85)	3504-001 (82)
P09	7	124	19.8	98	0	2	100	123	244	0	.0	123	7.76	658	B73 MAYDIS S4 88 X TZ70 5251X52 (85)	4031-001 (84)
P09	8	131	19.9	96	0	4	102	123	246	0	.0	127	8.21	659	B73 MAYDIS S4 88 X TZ70 5253X54 (85)	4031-002 (84)
P09	9	120	19.6	95	0	5	99	124	245	0	.0	117	7.51	660	B73 MAYDIS S4 88 X TZ70 5255X56 (85)	4031-005 (84)
P09	10	135	19.4	96	0	4	101	126	246	0	.0	133	8.45	662	B73 MAYDIS S4 75 X TZ70 5259X60 (85)	3387-002 (82)
P09	11	133	19.2	98	0	2	102	131	252	0	.0	135	8.34	663	B73 MAYDIS S5 75 X TZ70 5261X62 (85)	2958-001 (85)
P09	12	140	19.6	98	0	2	105	124	249	0	.0	139	8.79	664	B73 MAYDIS S5 75 X TZ70 5263X64 (85)	2958-002 (85)
P09	13	132	19.4	98	0	2	103	129	254	0	.0	133	8.30	665	B73 MAYDIS S5 75 X TZ70 5265X66 (85)	2958-003 (85)
P09	14	135	19.6	98	0	2	107	127	249	0	.0	135	8.49	666	B73 MAYDIS S6 75 X TZ70 5409X10 (86)	4022-003 (84)
P09	15	140	19.5	97	0	3	103	130	254	0	.0	139	8.78	668	B73 MAYDIS S6 75 X TZ70 5271X72 (85)	4026-002 (84)
P09	16	135	19.7	96	0	4	106	119	251	0	.0	133	8.50	669	B73 MAYDIS S6 75 X TZ70 5273X74 (85)	4026-003 (84)
P09	17	136	19.9	98	0	2	106	125	248	0	.0	135	8.55	670	B73 MAYDIS S6 75 X TZ70 5275X76 (85)	4026-004 (84)
P09	18	131	19.5	96	0	4	103	125	252	0	.0	129	8.21	671	B73 MAYDIS S6 75 X TZ70 5277X78 (85)	4027-001 (84)
P09	19	139	19.5	98	0	2	107	123	247	0	.0	138	8.70	672	B73 MAYDIS S6 75 X TZ70 5279X80 (85)	4027-002 (84)
P09	20	141	19.4	97	0	3	109	130	255	0	.0	141	8.83	673	B73 MAYDIS S6 75 X TZ70 5281X82 (85)	4027-003 (84)
P09	21	131	19.5	97	0	3	98	122	248	0	.0	130	8.24	674	B73 MAYDIS S6 75 X TZ70 5283X84 (85)	4027-004 (84)
P09	22	134	19.9	97	0	3	103	127	246	0	.0	131	8.41	677	B73 MAYDIS S6 75 X TZ70 5289X90 (85)	4028-004 (84)
P09	23	144	19.5	98	0	2	106	126	252	0	.0	145	9.07	678	B73 MAYDIS S6 75 X TZ70 5291X92 (85)	4029-001 (84)
P09	24	114	19.7	99	0	1	102	109	235	0	.0	115	7.18	686	B73 MAYDIS S4 50 X TZ70 5307X 8 (85)	2965-001 (85)
P09	25	124	19.7	99	0	1	98	105	229	0	.0	125	7.79	687	B73 MAYDIS S4 50 X TZ70 5309X10 (85)	2965-002 (85)
P09	26	136	19.1	99	0	1	105	127	247	0	.0	140	8.53	699	B73 MAY HT S9 50 X TZ70 5333X34 (85)	4336-001 (84)
P09	27	124	18.9	97	0	3	104	132	249	0	.0	127	7.82	700	B73 MAY HT S9 50 X TZ70 4081X82 (87)	4337-001 (84)
P09	28	130	19.9	98	0	2	99	136	256	0	.0	128	8.15	702	B73 MAY FL S1 94 X TZ70 5339X40 (85)	2636-001 (83)
P09	29	127	19.2	96	0	4	99	135	251	0	.0	127	8.00	703	B73 MAY FL S1 94 X TZ70 5341X42 (85)	2637-001 (83)
P09	30	135	19.5	96	0	4	99	134	244	0	.0	133	8.47	704	B73 MAY FL S2 94 X TZ70 5343X44 (85)	2976-001 (85)
P09	31	145	19.9	99	0	1	105	133	249	0	.0	145	9.13	705	B73 MAY FL S2 94 X TZ70 5345X46 (85)	2976-002 (85)
P09	32	122	19.8	99	0	1	106	117	248	0	.0	122	7.63	711	MM2217(MO17RG)S494X TZ70 5357X58 (85)	553-002 (83)
P09	33	118	20.0	98	0	2	100	119	244	0	.0	117	7.41	714	MM2217(MO17RG)S594X TZ70 5363X64 (85)	30-003 (85)
P09	34	108	19.3	97	0	3	97	91	199	0	.0	109	6.77	717	OH43E(MO17) S1 88 X TZ70 5369X70 (85)	2233-001 (83)
P09	35	119	20.8	94	0	6	101	126	241	0	.0	110	7.48	743	P105 X AG155 F5S3 X TZ70 5421X22 (85)	43-001 (85)
P09	36	117	19.9	92	0	8	103	125	243	0	.0	110	7.36	745	P105 X AG155 F5S3 X TZ70 5425X26 (85)	43-003 (85)
P09	37	133	20.6	98	0	2	103	138	255	0	.0	127	8.34	732	A.DENT 2 S4 75 X TZ70 5399X00 (85)	1194-001 (83)
P09	38	118	19.6	92	0	8	99	134	257	0	.0	112	7.41	6001	B73 X SC76G S195X96 (85)	SISCO
P09	39	126	19.0	96	0	4	100	132	250	0	.0	127	7.91	901	B73HT X MO17HT	REC. 1987
P09	40	135	19.6	100	0	0	95	125	244	0	.0	136	8.45	906	PIONEER 3389	REC. 1985
P09	41	116	18.9	98	0	2	97	128	246	0	.0	119	7.29	911	PIONEER 3233	REC. 1986
P09	42	146	19.7	89	0	11	109	131	251	0	.0	137	9.16	909	DEKALB 689	REC. 1986
		130	19.6	97	0	3	102	125	246	0	.0	129	8.19		EXPERIMENT MEANS	
		13	.5	5	0	5	7	12	11	0	.0	15	.81		LSD .05 (ENTRY x REP)	
		17	.7	7	0	7	10	16	14	0	.0	20	1.08		LSD .01 (ENTRY x REP)	
		6	1.6	3	0	101	4	6	3	0	0	7	6.		C. V. % (ENTRY x REP)	
		100	101.	92	0	92	102	105	111	0	0	94	100.		R. E % (LATTICE)	

T 7 = NC262 (TZ70)

Table 31. Experiment 13 Analysis over locations and years for Trophy Low Moisture set 1, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
13	1	111	20.9	91	3	6	101	131	246	66	.6	98	6.96	7550	B73Ht X TROPHY LM C1	4635X36 (86) 1523-2 (85)
13	2	123	19.8	96	0	4	105	126	251	64	.6	120	7.71	7551	B73Ht X TROPHY LM C1	4638X37 (86) 1523-3 (85)
13	3	118	20.8	92	2	7	104	135	255	67	.6	106	7.39	7552	B73Ht X TROPHY LM C1	4639X40 (86) 1523-7 (85)
13	4	115	19.6	91	1	9	102	127	253	64	.4	108	7.23	7553	B73Ht X TROPHY LM C1	4642X41 (86) 1523-8 (85)
13	5	109	19.9	92	1	7	101	131	258	65	.7	101	6.84	7554	B73Ht X TROPHY LM C1	4643X44 (86) 1523-11 (85)
13	6	114	20.1	94	1	5	100	134	258	66	1.0	106	7.15	7555	B73Ht X TROPHY LM C1	4646X45 (86) 1523-16 (85)
13	7	107	20.4	98	0	3	102	124	250	65	.9	103	6.73	7556	B73Ht X TROPHY LM C1	4647X48 (86) 1523-20 (85)
13	8	114	20.1	94	1	6	102	129	255	65	1.1	107	7.16	7557	B73Ht X TROPHY LM C1	4650X49 (86) 1523-31 (85)
13	9	116	19.7	95	1	4	105	128	252	65	1.0	112	7.28	7558	B73Ht X TROPHY LM C2	4683X84 (86) 7235-1 (85)
13	10	113	20.2	95	1	4	102	135	253	66	.5	108	7.08	7559	B73Ht X TROPHY LM C2	4686X85 (86) 7235-4 (85)
13	11	121	19.1	91	1	7	105	131	256	64	.6	117	7.60	7560	B73Ht X TROPHY LM C2	4687X88 (86) 7235-7 (85)
13	12	114	20.8	93	1	6	104	134	259	65	1.0	103	7.18	7561	B73Ht X TROPHY LM C2	4690X89 (86) 7235-8 (85)
13	13	118	19.5	95	1	4	104	141	259	65	.7	116	7.43	7562	B73Ht X TROPHY LM C2	4731X32 (86) 7235-86 (85)
13	14	114	19.2	91	1	8	104	131	255	65	1.1	109	7.13	7563	B73Ht X TROPHY LM C2	4694X93 (86) 7235-13 (85)
13	15	108	20.9	92	2	7	101	135	257	67	1.3	95	6.76	7564	B73Ht X TROPHY LM C2	4695X96 (86) 7235-18 (85)
13	16	121	19.4	93	1	6	105	117	246	64	.4	117	7.57	7565	B73Ht X TROPHY LM C2	4698X97 (86) 7235-20 (85)
13	17	112	20.3	93	0	7	100	130	255	65	.8	103	7.04	7566	B73Ht X TROPHY LM C3	4735X36 (86) 1602-5 (86)
13	18	117	19.4	94	2	4	101	139	261	65	1.1	114	7.36	7567	B73Ht X TROPHY LM C3	4738X37 (86) 1602-6 (86)
13	19	119	19.1	95	0	5	103	129	252	65	.8	119	7.48	7568	B73Ht X TROPHY LM C3	4790X89 (86) 1602-121(86)
13	20	113	18.7	87	2	11	102	131	253	65	.8	106	7.07	7569	B73Ht X TROPHY LM C3	4742X41 (86) 1602-22 (86)
13	21	116	19.8	92	2	5	100	128	252	64	.6	109	7.27	7570	B73Ht X TROPHY LM C3	4743X44 (86) 1602-23 (86)
13	22	122	20.1	93	0	6	103	127	254	65	.7	115	7.65	7571	B73Ht X TROPHY LM C3	4746X45 (86) 1602-29 (86)
13	23	111	19.3	93	1	6	101	117	244	65	.3	108	6.97	7572	B73Ht X TROPHY LM C3	4747X48 (86) 1602-33 (86)
13	24	111	19.9	93	1	7	105	122	244	64	.7	103	6.95	7573	B73Ht X TROPHY LM C3	4791X92 (86) 1602-123(86)
13	25	127	20.0	94	2	4	106	134	260	65	.8	121	7.96	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
13	26	113	20.4	92	2	6	94	132	257	64	.9	103	7.09	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
13	27	130	20.5	97	1	2	99	117	240	66	.4	124	8.13	902	PIONEER 3165	REC. 1987
13	28	119	18.6	97	0	3	99	106	227	61	.5	124	7.49	906	PIONEER 3389	REC. 1986
13	29	121	18.7	97	0	4	95	115	233	65	.3	123	7.57	909	DEKALB 689	REC. 1986
13	30	123	17.8	98	0	2	99	108	233	61	.5	132	7.75	901	B73HT X Mo17HT	REC. 1987
		116	19.7	94	1	6	102	127	251	65	.7	111	7.30		EXPERIMENT MEANS	
		9	.5	6	2	5	3	10	14	2	1.0	14	.69		LSD .05 (ENTRY x ENV)	
		12	.6	7	3	6	3	13	19	2	1.3	19	.92		LSD .01 (ENTRY x ENV)	
		7	3.	4	138	53	4	5	3	2	61	9	7.		C. V. % (ENTRY x ENV)	

Table 32. Experiment 13 Analysis over locations for Trophy Low Moisture set 1, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
13	1	114	21.8	94	1	5	106	134	250	76	.7	99	7.17	7550	B73Ht X TROPHY LM C1	4635X36 (86) 1523-2 (85)
13	2	128	20.6	98	0	2	107	131	253	74	.8	122	8.04	7551	B73Ht X TROPHY LM C1	4638X37 (86) 1523-3 (85)
13	3	119	21.4	95	1	5	106	138	259	77	.6	106	7.45	7552	B73Ht X TROPHY LM C1	4639X40 (86) 1523-7 (85)
13	4	123	20.2	93	1	6	107	128	252	74	.2	116	7.72	7553	B73Ht X TROPHY LM C1	4642X41 (86) 1523-8 (85)
13	5	114	20.3	94	0	6	107	134	262	75	.9	106	7.17	7554	B73Ht X TROPHY LM C1	4643X44 (86) 1523-11 (85)
13	6	123	20.5	95	1	4	104	139	261	76	1.2	115	7.69	7555	B73Ht X TROPHY LM C1	4646X45 (86) 1523-16 (85)
13	7	112	21.2	100	0	1	106	130	257	75	1.2	105	7.01	7556	B73Ht X TROPHY LM C1	4647X48 (86) 1523-20 (85)
13	8	118	20.7	95	1	4	105	134	260	75	1.2	110	7.45	7557	B73Ht X TROPHY LM C1	4650X49 (86) 1523-31 (85)
13	9	122	20.3	96	1	3	107	134	252	75	1.3	117	7.69	7558	B73Ht X TROPHY LM C2	4683X84 (86) 7235-1 (85)
13	10	113	20.9	96	1	3	105	140	256	77	.4	104	7.07	7559	B73Ht X TROPHY LM C2	4686X85 (86) 7235-4 (85)
13	11	123	19.8	96	1	4	107	138	260	75	.6	120	7.74	7560	B73Ht X TROPHY LM C2	4687X88 (86) 7235-7 (85)
13	12	117	21.5	95	1	4	107	134	259	75	1.0	105	7.34	7561	B73Ht X TROPHY LM C2	4690X89 (86) 7235-8 (85)
13	13	124	19.9	97	0	3	107	146	260	75	.7	122	7.82	7562	B73Ht X TROPHY LM C2	4731X32 (86) 7235-86 (85)
13	14	115	19.7	93	1	6	107	135	259	75	1.3	110	7.24	7563	B73Ht X TROPHY LM C2	4694X93 (86) 7235-13 (85)
13	15	107	21.7	91	2	7	106	139	255	77	1.6	90	6.72	7564	B73Ht X TROPHY LM C2	4695X96 (86) 7235-18 (85)
13	16	125	20.2	94	1	5	107	123	252	74	.0	119	7.87	7565	B73Ht X TROPHY LM C2	4698X97 (86) 7235-20 (85)
13	17	118	21.1	93	0	7	104	137	262	75	.9	104	7.39	7566	B73Ht X TROPHY LM C3	4735X36 (86) 1602-5 (86)
13	18	126	20.0	95	2	4	106	142	265	75	1.2	122	7.93	7567	B73Ht X TROPHY LM C3	4738X37 (86) 1602-6 (86)
13	19	124	19.8	96	1	3	105	136	258	76	1.0	121	7.76	7568	B73Ht X TROPHY LM C3	4790X89 (86) 1602-121(86)
13	20	117	19.3	91	0	8	104	138	257	75	.8	112	7.39	7569	B73Ht X TROPHY LM C3	4742X41 (86) 1602-22 (86)
13	21	124	20.5	96	0	4	104	136	262	75	.7	117	7.76	7570	B73Ht X TROPHY LM C3	4743X44 (86) 1602-23 (86)
13	22	125	20.6	94	1	6	107	134	257	75	.7	115	7.84	7571	B73Ht X TROPHY LM C3	4746X45 (86) 1602-29 (86)
13	23	119	20.3	95	1	4	107	123	248	75	.3	112	7.44	7572	B73Ht X TROPHY LM C3	4747X48 (86) 1602-33 (86)
13	24	118	20.7	96	1	4	107	124	248	74	.8	111	7.43	7573	B73Ht X TROPHY LM C3	4791X92 (86) 1602-123(86)
13	25	133	20.4	97	0	3	107	137	263	76	.9	128	8.32	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
13	26	120	20.8	95	0	5	99	135	258	75	1.0	111	7.51	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
13	27	125	20.9	97	0	3	101	127	248	77	.3	117	7.86	902	PIONEER 3165	REC. 1987
13	28	129	19.3	97	0	3	104	123	241	71	.6	129	8.12	906	PIONEER 3389	REC. 1986
13	29	126	19.3	95	0	5	103	126	236	76	.2	125	7.95	909	DEKALB 689	REC. 1986
13	30	132	18.7	99	0	1	101	120	243	70	.5	137	8.31	901	B73HT X Mo17HT	REC. 1987
		121	20.4	95	1	4	105	133	255	75	.8	114	7.61		EXPERIMENT MEANS	
		12	.7	6	2	4	3	10	14	2	1.0	14	.69		LSD .05 (ENTRY x ENV)	
		16	.9	7	3	5	3	13	19	2	1.3	19	.92		LSD .01 (ENTRY x ENV)	
		6	2.	3	135	59	3	5	3	2	72	7	5.		C. V. % (ENTRY x ENV)	

Table 33. Experiment C13 Clayton, N.C. Trophy Low Moisture set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C13	1	127	20.6	99	0	1	103	137	268	72	-.7	123	7.99	7550	B73Ht X TROPHY LM C1	4635X36 (86) 1523-2 (85)
C13	2	143	20.1	100	0	0	105	132	272	70	1.0	142	8.99	7551	B73Ht X TROPHY LM C1	4638X37 (86) 1523-3 (85)
C13	3	140	20.5	97	2	2	105	146	280	73	.1	134	8.78	7552	B73Ht X TROPHY LM C1	4639X40 (86) 1523-7 (85)
C13	4	137	19.7	98	0	2	105	137	270	70	.0	138	8.63	7553	B73Ht X TROPHY LM C1	4642X41 (86) 1523-8 (85)
C13	5	132	19.8	99	0	1	105	140	278	71	.3	132	8.31	7554	B73Ht X TROPHY LM C1	4643X44 (86) 1523-11 (85)
C13	6	135	19.8	97	1	2	105	143	275	72	.3	132	8.47	7555	B73Ht X TROPHY LM C1	4646X45 (86) 1523-16 (85)
C13	7	117	20.4	98	0	2	105	132	265	70	1.0	113	7.34	7556	B73Ht X TROPHY LM C1	4647X48 (86) 1523-20 (85)
C13	8	142	20.3	99	1	0	105	139	272	71	.1	140	8.93	7557	B73Ht X TROPHY LM C1	4650X49 (86) 1523-31 (85)
C13	9	142	19.9	100	0	0	105	144	278	72	-.4	143	8.94	7558	B73Ht X TROPHY LM C2	4683X84 (86) 7235-1 (85)
C13	10	125	20.3	99	0	1	105	151	278	72	-.7	123	7.83	7559	B73Ht X TROPHY LM C2	4686X85 (86) 7235-4 (85)
C13	11	138	19.4	96	1	3	105	138	277	71	.1	137	8.66	7560	B73Ht X TROPHY LM C2	4687X88 (86) 7235-7 (85)
C13	12	125	20.5	97	1	2	105	138	275	71	.0	119	7.85	7561	B73Ht X TROPHY LM C2	4690X89 (86) 7235-8 (85)
C13	13	135	19.6	96	0	4	105	151	272	71	-.4	133	8.50	7562	B73Ht X TROPHY LM C2	4731X32 (86) 7235-86 (85)
C13	14	133	19.6	99	1	0	105	140	273	71	.3	135	8.38	7563	B73Ht X TROPHY LM C2	4694X93 (86) 7235-13 (85)
C13	15	132	20.5	92	4	4	104	156	290	73	1.0	121	8.28	7564	B73Ht X TROPHY LM C2	4695X96 (86) 7235-18 (85)
C13	16	134	19.5	98	0	2	105	125	267	70	.3	134	8.43	7565	B73Ht X TROPHY LM C2	4698X97 (86) 7235-20 (85)
C13	17	137	20.3	98	0	2	105	137	273	71	.0	133	8.60	7566	B73Ht X TROPHY LM C3	4735X36 (86) 1602-5 (86)
C13	18	133	19.3	96	3	2	104	145	278	71	.4	133	8.37	7567	B73Ht X TROPHY LM C3	4738X37 (86) 1602-6 (86)
C13	19	135	19.6	96	0	4	105	145	275	71	.3	133	8.45	7568	B73Ht X TROPHY LM C3	4790X89 (86) 1602-121(86)
C13	20	129	19.2	94	1	5	105	139	272	70	.7	128	8.13	7569	B73Ht X TROPHY LM C3	4742X41 (86) 1602-22 (86)
C13	21	139	19.6	99	0	1	105	143	282	70	.7	141	8.75	7570	B73Ht X TROPHY LM C3	4743X44 (86) 1602-23 (86)
C13	22	132	19.8	98	0	2	105	143	277	71	.0	131	8.32	7571	B73Ht X TROPHY LM C3	4746X45 (86) 1602-29 (86)
C13	23	130	19.8	99	0	1	105	116	262	70	.0	130	8.14	7572	B73Ht X TROPHY LM C3	4747X48 (86) 1602-33 (86)
C13	24	122	20.0	98	1	1	105	123	262	70	.3	121	7.64	7573	B73Ht X TROPHY LM C3	4791X92 (86) 1602-123(86)
C13	25	150	19.9	98	1	1	105	143	282	72	.0	149	9.40	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
C13	26	135	19.8	97	0	3	102	145	285	71	.3	133	8.50	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
C13	27	141	20.9	99	0	1	103	127	262	72	.3	135	8.83	902	PIONEER 3165	REC. 1987
C13	28	143	18.9	98	0	2	105	122	262	67	.7	146	8.96	906	PIONEER 3389	REC. 1986
C13	29	140	19.0	98	0	2	102	128	252	72	-.7	143	8.79	909	DEKALB 689	REC. 1986
C13	30	144	17.9	98	0	2	104	123	255	66	.4	152	9.06	901	B73HT X Mo17HT	REC. 1987
		135	19.8	98	1	2	105	138	272	71	.2	134	8.47		EXPERIMENT MEANS	
		11	.5	5	2	4	2	9	13	1	1.0	13	.69		LSD .05 (ENTRY x REP)	
		15	.6	6	3	5	2	12	18	1	1.3	18	.92		LSD .01 (ENTRY x REP)	
		5	1.5	3	271	126	1	4	3	1	321	6	5.		C. V. % (ENTRY x REP)	
		100	115.	100	103	95	100	104	90	96	101	100	100.		R. E % (LATTICE)	

Table 34. Experiment L13 Lewiston, N.C. Trophy Low Moisture set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L13	1	95	22.4	91	2	8	104	113	223	82	2.3	74	5.97	7550	B73Ht X TROPHY LM C1	4635X36 (86) 1523-2 (85)
L13	2	115	20.2	95	0	5	106	111	229	80	.7	109	7.22	7551	B73Ht X TROPHY LM C1	4638X37 (86) 1523-3 (85)
L13	3	94	21.9	94	0	6	104	113	232	83	1.0	78	5.90	7552	B73Ht X TROPHY LM C1	4639X40 (86) 1523-7 (85)
L13	4	109	20.1	87	1	12	105	103	221	79	.7	96	6.86	7553	B73Ht X TROPHY LM C1	4642X41 (86) 1523-8 (85)
L13	5	102	20.1	91	1	8	105	112	246	80	1.7	93	6.40	7554	B73Ht X TROPHY LM C1	4643X44 (86) 1523-11 (85)
L13	6	108	20.6	97	2	1	96	123	243	82	2.0	101	6.76	7555	B73Ht X TROPHY LM C1	4646X45 (86) 1523-16 (85)
L13	7	106	21.4	103	0	-1	105	109	250	81	2.3	101	6.66	7556	B73Ht X TROPHY LM C1	4647X48 (86) 1523-20 (85)
L13	8	98	20.1	94	1	6	99	118	241	81	2.0	91	6.18	7557	B73Ht X TROPHY LM C1	4650X49 (86) 1523-31 (85)
L13	9	107	19.7	94	3	3	105	107	217	80	3.0	103	6.72	7558	B73Ht X TROPHY LM C2	4683X84 (86) 7235-1 (85)
L13	10	98	20.6	96	2	2	99	120	230	83	1.3	91	6.14	7559	B73Ht X TROPHY LM C2	4686X85 (86) 7235-4 (85)
L13	11	104	19.2	92	1	8	105	122	237	81	.7	99	6.55	7560	B73Ht X TROPHY LM C2	4687X88 (86) 7235-7 (85)
L13	12	103	21.9	92	1	6	105	114	236	80	1.7	86	6.46	7561	B73Ht X TROPHY LM C2	4690X89 (86) 7235-8 (85)
L13	13	117	19.5	99	1	2	105	128	240	81	1.7	117	7.36	7562	B73Ht X TROPHY LM C2	4731X32 (86) 7235-86 (85)
L13	14	97	19.3	91	2	7	105	110	236	80	2.7	92	6.08	7563	B73Ht X TROPHY LM C2	4694X93 (86) 7235-13 (85)
L13	15	83	22.6	86	2	12	103	103	212	84	2.0	57	5.22	7564	B73Ht X TROPHY LM C2	4695X96 (86) 7235-18 (85)
L13	16	115	19.8	89	2	8	105	102	232	80	.0	106	7.21	7565	B73Ht X TROPHY LM C2	4698X97 (86) 7235-20 (85)
L13	17	99	21.3	95	0	6	96	120	245	81	2.0	86	6.22	7566	B73Ht X TROPHY LM C3	4735X36 (86) 1602-5 (86)
L13	18	117	20.2	95	2	4	105	128	251	81	2.0	112	7.37	7567	B73Ht X TROPHY LM C3	4738X37 (86) 1602-6 (86)
L13	19	118	19.4	95	2	3	102	119	240	82	1.3	116	7.40	7568	B73Ht X TROPHY LM C3	4790X89 (86) 1602-121(86)
L13	20	97	19.1	91	0	9	97	118	237	81	1.0	93	6.12	7569	B73Ht X TROPHY LM C3	4742X41 (86) 1602-22 (86)
L13	21	111	21.1	93	1	6	96	110	247	81	.7	98	6.95	7570	B73Ht X TROPHY LM C3	4743X44 (86) 1602-23 (86)
L13	22	116	20.8	92	2	6	105	113	231	80	1.0	103	7.26	7571	B73Ht X TROPHY LM C3	4746X45 (86) 1602-29 (86)
L13	23	115	19.8	93	2	5	105	102	222	80	.3	108	7.20	7572	B73Ht X TROPHY LM C3	4747X48 (86) 1602-33 (86)
L13	24	114	20.5	94	0	7	105	105	228	80	.7	105	7.16	7573	B73Ht X TROPHY LM C3	4791X92 (86) 1602-123(86)
L13	25	108	20.5	95	0	4	105	123	241	81	2.3	102	6.78	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
L13	26	97	21.1	92	0	8	90	106	226	80	1.0	84	6.08	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
L13	27	112	19.9	94	0	6	95	113	228	84	.0	106	7.01	902	PIONEER 3165	REC. 1987
L13	28	111	19.4	93	1	5	101	104	205	74	1.0	108	7.00	906	PIONEER 3389	REC. 1986
L13	29	107	19.1	97	0	3	99	107	202	81	1.0	109	6.75	909	DEKALB 689	REC. 1986
L13	30	116	19.0	100	0	2	97	100	215	74	1.0	120	7.31	901	B73HT X Mo17HT	REC. 1987
		106	20.4	94	1	5	102	113	232	81	1.4	98	6.68		EXPERIMENT MEANS	
		18	.9	8	3	8	11	18	20	1	1.5	24	1.13		LSD .05 (ENTRY x REP)	
		24	1.3	10	4	10	14	24	27	2	2.0	32	1.51		LSD .01 (ENTRY x REP)	
		10	2.8	5	204	84	6	10	5	1	68	15	10.		C. V. % (ENTRY x REP)	
		104	100.	126	101	108	101	102	124	106	89	105	104.		R. E % (LATTICE)	

Table 35. Experiment P13 Plymouth, N.C. Trophy Low Moisture set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P13	1	120	22.4	92	2	6	110	152	259	74	.6	101	7.55	7550	B73Ht X TROPHY LM C1	4635X36 (86) 1523-2 (85)
P13	2	126	21.6	98	0	2	110	150	259	73	.7	116	7.92	7551	B73Ht X TROPHY LM C1	4638X37 (86) 1523-3 (85)
P13	3	122	21.9	93	0	7	110	155	264	76	.7	105	7.66	7552	B73Ht X TROPHY LM C1	4639X40 (86) 1523-7 (85)
P13	4	122	20.7	95	1	4	110	144	264	73	.0	115	7.68	7553	B73Ht X TROPHY LM C1	4642X41 (86) 1523-8 (85)
P13	5	108	21.0	91	0	9	110	151	262	74	.6	94	6.81	7554	B73Ht X TROPHY LM C1	4643X44 (86) 1523-11 (85)
P13	6	125	21.1	92	0	8	110	152	264	74	1.2	111	7.83	7555	B73Ht X TROPHY LM C1	4646X45 (86) 1523-16 (85)
P13	7	112	21.7	98	0	2	107	148	257	74	.3	102	7.03	7556	B73Ht X TROPHY LM C1	4647X48 (86) 1523-20 (85)
P13	8	115	21.7	93	0	7	110	144	267	74	1.4	100	7.24	7557	B73Ht X TROPHY LM C1	4650X49 (86) 1523-31 (85)
P13	9	118	21.3	93	0	7	110	152	262	73	1.3	105	7.42	7558	B73Ht X TROPHY LM C2	4683X84 (86) 7235-1 (85)
P13	10	115	21.8	94	0	6	110	150	259	75	.6	99	7.23	7559	B73Ht X TROPHY LM C2	4686X85 (86) 7235-4 (85)
P13	11	128	20.7	99	0	1	110	153	267	73	1.0	123	8.01	7560	B73Ht X TROPHY LM C2	4687X88 (86) 7235-7 (85)
P13	12	123	22.0	97	0	3	110	151	265	74	1.4	109	7.70	7561	B73Ht X TROPHY LM C2	4690X89 (86) 7235-8 (85)
P13	13	121	20.6	96	0	3	110	159	267	74	.7	115	7.61	7562	B73Ht X TROPHY LM C2	4731X32 (86) 7235-86 (85)
P13	14	116	20.3	90	0	10	110	156	267	74	1.0	104	7.25	7563	B73Ht X TROPHY LM C2	4694X93 (86) 7235-13 (85)
P13	15	106	22.1	95	0	5	110	159	262	75	1.7	91	6.66	7564	B73Ht X TROPHY LM C2	4695X96 (86) 7235-18 (85)
P13	16	127	21.3	96	0	4	110	141	256	73	-.2	116	7.97	7565	B73Ht X TROPHY LM C2	4698X97 (86) 7235-20 (85)
P13	17	117	21.8	87	0	13	110	153	267	74	.7	94	7.34	7566	B73Ht X TROPHY LM C3	4735X36 (86) 1602-5 (86)
P13	18	128	20.6	95	0	5	110	153	265	74	1.3	121	8.05	7567	B73Ht X TROPHY LM C3	4738X37 (86) 1602-6 (86)
P13	19	118	20.3	97	0	3	107	145	260	74	1.3	114	7.43	7568	B73Ht X TROPHY LM C3	4790X89 (86) 1602-121(86)
P13	20	126	19.6	89	0	11	110	157	263	74	.7	116	7.91	7569	B73Ht X TROPHY LM C3	4742X41 (86) 1602-22 (86)
P13	21	121	20.8	96	0	4	110	154	257	73	.7	113	7.58	7570	B73Ht X TROPHY LM C3	4743X44 (86) 1602-23 (86)
P13	22	126	21.3	91	0	9	110	146	263	74	1.0	111	7.93	7571	B73Ht X TROPHY LM C3	4746X45 (86) 1602-29 (86)
P13	23	111	21.3	94	1	5	110	152	259	74	.6	99	6.99	7572	B73Ht X TROPHY LM C3	4747X48 (86) 1602-33 (86)
P13	24	119	21.6	97	1	3	110	143	253	73	1.3	108	7.49	7573	B73Ht X TROPHY LM C3	4791X92 (86) 1602-123(86)
P13	25	140	20.7	97	0	4	110	145	265	74	.3	133	8.78	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
P13	26	127	21.5	96	0	4	105	154	262	73	1.6	115	7.96	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
P13	27	123	22.0	98	0	2	104	140	254	75	.5	110	7.73	902	PIONEER 3165	REC. 1987
P13	28	134	19.7	99	0	1	107	142	256	71	.1	134	8.39	906	PIONEER 3389	REC. 1986
P13	29	132	19.8	91	0	9	107	143	254	75	.3	124	8.31	909	DEKALB 689	REC. 1986
P13	30	136	19.3	100	0	0	103	138	258	71	.1	139	8.56	901	B73HT X Mo17HT	REC. 1987
		122	21.1	95	0	5	109	149	261	74	.8	111	7.67		EXPERIMENT MEANS	
		13	.8	7	1	7	3	12	8	1	1.0	18	.81		LSD .05 (ENTRY x REP)	
		17	1.0	10	1	10	4	16	11	2	1.4	25	1.09		LSD .01 (ENTRY x REP)	
		6	2.3	5	379	83	2	5	2	1	80	10	6.		C. V. % (ENTRY x REP)	
		106	100.	103	91	105	101	108	129	103	103	104	106.		R. E % (LATTICE)	

Table 36. Experiment 14 Analysis over locations and years for Trophy Low Moisture set 2, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
14	1	121	20.1	95	1	4	104	123	246	64	.8	116	7.60	7576	B73Ht X TROPHY LM C1	4651X52 (86) 1523-33 (85)
14	2	121	19.9	93	1	7	102	139	260	65	1.4	115	7.60	7577	B73Ht X TROPHY LM C1	4654X53 (86) 1523-35 (85)
14	3	123	19.9	91	2	7	103	129	255	65	.4	114	7.73	7578	B73Ht X TROPHY LM C1	4655X56 (86) 1523-36 (85)
14	4	112	19.8	94	0	6	103	119	240	64	.9	105	6.99	7579	B73Ht X TROPHY LM C1	4658X57 (86) 1523-37 (85)
14	5	116	19.7	91	2	7	101	133	256	64	.6	109	7.31	7580	B73Ht X TROPHY LM C1	4659X60 (86) 1523-41 (85)
14	6	118	19.9	90	3	7	100	138	254	66	.9	109	7.45	7581	B73Ht X TROPHY LM C1	4662X61 (86) 1523-47 (85)
14	7	125	20.0	93	3	5	101	127	250	65	1.2	118	7.82	7582	B73Ht X TROPHY LM C1	4663X64 (86) 1523-48 (85)
14	8	124	20.3	86	5	10	106	129	250	64	.7	108	7.78	7583	B73Ht X TROPHY LM C1	4666X65 (86) 1523-49 (85)
14	9	115	19.9	90	1	9	100	122	244	65	.8	105	7.21	7584	B73Ht X TROPHY LM C2	4699X00 (86) 7235-23 (85)
14	10	120	19.1	88	5	7	104	135	251	65	.7	112	7.53	7585	B73Ht X TROPHY LM C2	4734X33 (86) 7235-97 (85)
14	11	119	19.7	92	2	6	101	130	249	64	.7	112	7.46	7586	B73Ht X TROPHY LM C2	4703X04 (86) 7235-27 (85)
14	12	116	19.9	90	2	8	102	129	248	64	.7	106	7.27	7587	B73Ht X TROPHY LM C2	4706X05 (86) 7235-29 (85)
14	13	115	19.7	93	1	6	100	123	246	64	.7	110	7.23	7588	B73Ht X TROPHY LM C2	4707X08 (86) 7235-36 (85)
14	14	116	19.2	94	1	6	104	120	243	64	.8	114	7.29	7589	B73Ht X TROPHY LM C2	4710X09 (86) 7235-44 (85)
14	15	116	19.9	92	2	6	103	134	255	65	.7	107	7.27	7590	B73Ht X TROPHY LM C2	4711X12 (86) 7235-46 (85)
14	16	122	19.8	96	1	4	101	130	256	65	1.0	119	7.65	7591	B73Ht X TROPHY LM C2	4714X13 (86) 7235-48 (85)
14	17	118	19.8	91	2	7	104	128	247	64	.9	111	7.41	7592	B73Ht X TROPHY LM C3	4751X52 (86) 1602-39 (86)
14	18	129	19.6	92	0	8	105	129	252	65	.6	123	8.10	7593	B73Ht X TROPHY LM C3	4754X53 (86) 1602-42 (86)
14	19	121	20.3	95	3	3	103	128	249	64	.5	114	7.56	7594	B73Ht X TROPHY LM C3	4755X56 (86) 1602-43 (86)
14	20	121	19.8	95	1	4	102	124	245	65	.7	117	7.59	7595	B73Ht X TROPHY LM C3	4758X57 (86) 1602-52 (86)
14	21	108	19.3	83	3	15	103	129	253	65	1.0	93	6.77	7596	B73Ht X TROPHY LM C3	4759X60 (86) 1602-55 (86)
14	22	124	19.9	94	1	5	104	124	248	64	.4	119	7.80	7597	B73Ht X TROPHY LM C3	4762X61 (86) 1602-58 (86)
14	23	114	19.3	89	1	10	105	124	246	63	.5	107	7.17	7598	B73Ht X TROPHY LM C3	4763X64 (86) 1602-60 (86)
14	24	121	20.3	91	1	8	102	115	236	63	.8	111	7.60	7599	B73Ht X TROPHY LM C3	4766X65 (86) 1602-65 (86)
14	25	120	19.9	88	2	10	104	133	255	65	.9	109	7.54	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
14	26	114	19.9	91	3	7	98	129	249	64	1.0	105	7.13	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
14	27	133	20.7	95	2	4	97	114	234	65	.0	124	8.33	902	PIONEER 3165	REC. 1987
14	28	121	18.9	96	0	4	96	105	229	61	.4	123	7.57	906	PIONEER 3389	REC. 1986
14	29	127	18.9	96	1	3	93	115	234	64	.3	130	7.97	909	DEKALB 689	REC. 1986
14	30	118	17.9	92	1	8	95	105	229	61	.2	121	7.38	901	B73HT X Mo17HT	REC. 1987
		120	19.7	92	2	7	101	125	247	64	.7	113	7.50		EXPERIMENT MEANS	
		10	.4	8	5	5	2	11	14	2	1.2	19	.85		LSD .05 (ENTRY x ENV)	
		13	.6	11	7	7	2	14	18	3	1.6	25	1.14		LSD .01 (ENTRY x ENV)	
		7	2.	5	116	60	5	5	3	2	68	10	7.		C. V. % (ENTRY x ENV)	

Table 37. Experiment 14 Analysis over locations for Trophy Low Moisture set 2, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
14	1	119	21.0	98	0	2	107	128	257	75	.9	113	7.48	7576	B73Ht X TROPHY LM C1	4651X52 (86) 1523-33 (85)
14	2	118	20.3	96	1	3	107	147	265	76	1.8	112	7.40	7577	B73Ht X TROPHY LM C1	4654X53 (86) 1523-35 (85)
14	3	120	20.7	94	0	6	107	136	265	76	.5	110	7.51	7578	B73Ht X TROPHY LM C1	4655X56 (86) 1523-36 (85)
14	4	111	20.6	96	0	4	107	123	245	75	1.1	103	6.99	7579	B73Ht X TROPHY LM C1	4658X57 (86) 1523-37 (85)
14	5	118	20.1	96	0	4	107	137	267	75	.7	114	7.43	7580	B73Ht X TROPHY LM C1	4659X60 (86) 1523-41 (85)
14	6	116	20.6	92	3	5	107	146	256	77	1.0	106	7.30	7581	B73Ht X TROPHY LM C1	4662X61 (86) 1523-47 (85)
14	7	126	20.4	95	1	4	107	135	261	76	1.8	118	7.89	7582	B73Ht X TROPHY LM C1	4663X64 (86) 1523-48 (85)
14	8	124	21.1	90	4	6	107	135	256	75	.8	109	7.81	7583	B73Ht X TROPHY LM C1	4666X65 (86) 1523-49 (85)
14	9	117	20.4	91	2	7	107	127	249	76	1.0	106	7.33	7584	B73Ht X TROPHY LM C2	4699X00 (86) 7235-23 (85)
14	10	118	19.5	89	4	7	106	140	258	76	1.0	109	7.40	7585	B73Ht X TROPHY LM C2	4734X33 (86) 7235-97 (85)
14	11	117	20.4	94	1	5	106	137	258	75	.8	110	7.39	7586	B73Ht X TROPHY LM C2	4703X04 (86) 7235-27 (85)
14	12	109	20.6	92	2	6	107	134	256	75	1.0	97	6.82	7587	B73Ht X TROPHY LM C2	4706X05 (86) 7235-29 (85)
14	13	115	20.1	96	1	4	106	130	260	75	1.1	110	7.24	7588	B73Ht X TROPHY LM C2	4707X08 (86) 7235-36 (85)
14	14	115	19.8	98	0	2	107	123	250	74	1.0	115	7.22	7589	B73Ht X TROPHY LM C2	4710X09 (86) 7235-44 (85)
14	15	119	20.3	95	1	3	107	140	264	76	.6	113	7.48	7590	B73Ht X TROPHY LM C2	4711X12 (86) 7235-46 (85)
14	16	120	20.5	95	1	4	107	135	261	76	1.5	113	7.56	7591	B73Ht X TROPHY LM C2	4714X13 (86) 7235-48 (85)
14	17	112	20.6	93	1	6	106	134	252	75	1.5	102	7.00	7592	B73Ht X TROPHY LM C3	4751X52 (86) 1602-39 (86)
14	18	132	20.1	96	0	4	107	137	264	76	1.0	125	8.25	7593	B73Ht X TROPHY LM C3	4754X53 (86) 1602-42 (86)
14	19	122	21.1	97	1	2	107	135	259	75	.4	115	7.66	7594	B73Ht X TROPHY LM C3	4755X56 (86) 1602-43 (86)
14	20	121	20.4	98	0	2	107	133	253	76	.9	117	7.62	7595	B73Ht X TROPHY LM C3	4758X57 (86) 1602-52 (86)
14	21	107	20.1	86	4	10	107	136	263	76	1.2	92	6.73	7596	B73Ht X TROPHY LM C3	4759X60 (86) 1602-55 (86)
14	22	123	20.8	96	0	4	107	128	253	75	.5	115	7.70	7597	B73Ht X TROPHY LM C3	4762X61 (86) 1602-58 (86)
14	23	113	20.3	95	1	5	107	133	254	75	.5	106	7.08	7598	B73Ht X TROPHY LM C3	4763X64 (86) 1602-60 (86)
14	24	116	21.3	93	1	6	107	117	241	74	1.1	103	7.25	7599	B73Ht X TROPHY LM C3	4766X65 (86) 1602-65 (86)
14	25	124	20.5	94	1	5	107	136	261	76	1.4	115	7.78	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
14	26	109	20.6	97	1	3	101	129	249	75	1.3	102	6.88	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
14	27	123	21.0	94	3	3	104	123	242	77	.1	112	7.72	902	PIONEER 3165	REC. 1987
14	28	131	19.2	96	1	4	102	120	247	71	.6	130	8.22	906	PIONEER 3389	REC. 1986
14	29	124	19.3	96	0	4	103	124	247	76	.0	124	7.75	909	DEKALB 689	REC. 1986
14	30	125	18.6	95	0	4	101	113	238	71	.1	128	7.80	901	B73HT X Mo17HT	REC. 1987
		119	20.3	94	1	4	106	132	255	75	.9	111	7.46		EXPERIMENT MEANS	
		15	.7	8	5	4	2	11	14	2	1.2	19	.85		LSD .05 (ENTRY x ENV)	
		19	1.0	11	7	6	2	14	18	3	1.6	25	1.14		LSD .01 (ENTRY x ENV)	
		6	2.	4	125	60	2	5	3	1	57	7	6.		C. V. % (ENTRY x ENV)	

Table 38. Experiment C14 Clayton, N.C. Trophy Low Moisture set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C14	1	134	20.2	97	1	2	105	139	273	71	.7	130	8.44	7576	B73Ht X TROPHY LM C1	4651X52 (86) 1523-33 (85)
C14	2	129	19.7	98	1	1	105	145	280	71	1.3	128	8.11	7577	B73Ht X TROPHY LM C1	4654X53 (86) 1523-35 (85)
C14	3	134	20.1	98	1	1	105	137	283	71	.0	132	8.42	7578	B73Ht X TROPHY LM C1	4655X56 (86) 1523-36 (85)
C14	4	125	20.2	97	0	2	105	127	269	70	.7	121	7.84	7579	B73Ht X TROPHY LM C1	4658X57 (86) 1523-37 (85)
C14	5	133	19.7	99	0	1	105	144	280	71	.3	133	8.32	7580	B73Ht X TROPHY LM C1	4659X60 (86) 1523-41 (85)
C14	6	131	20.1	94	4	3	105	147	273	71	1.3	124	8.25	7581	B73Ht X TROPHY LM C1	4662X61 (86) 1523-47 (85)
C14	7	134	20.1	98	0	2	105	145	278	71	1.7	131	8.41	7582	B73Ht X TROPHY LM C1	4663X64 (86) 1523-48 (85)
C14	8	140	20.1	90	6	4	105	134	271	70	.7	129	8.80	7583	B73Ht X TROPHY LM C1	4666X65 (86) 1523-49 (85)
C14	9	138	19.7	98	2	1	105	138	267	72	.3	137	8.65	7584	B73Ht X TROPHY LM C2	4699X00 (86) 7235-23 (85)
C14	10	133	19.4	85	10	4	105	151	278	71	.3	121	8.33	7585	B73Ht X TROPHY LM C2	4734X33 (86) 7235-97 (85)
C14	11	131	19.7	98	2	0	105	144	275	70	1.0	130	8.25	7586	B73Ht X TROPHY LM C2	4703X04 (86) 7235-27 (85)
C14	12	126	19.8	92	4	4	105	144	273	70	.7	119	7.90	7587	B73Ht X TROPHY LM C2	4706X05 (86) 7235-29 (85)
C14	13	129	19.5	99	0	1	105	132	271	70	-.3	131	8.11	7588	B73Ht X TROPHY LM C2	4707X08 (86) 7235-36 (85)
C14	14	129	19.8	99	1	0	105	131	267	70	.7	129	8.10	7589	B73Ht X TROPHY LM C2	4710X09 (86) 7235-44 (85)
C14	15	128	20.5	94	2	4	105	148	287	72	-1.0	119	8.05	7590	B73Ht X TROPHY LM C2	4711X12 (86) 7235-46 (85)
C14	16	139	19.8	98	1	2	105	141	280	72	1.0	138	8.74	7591	B73Ht X TROPHY LM C2	4714X13 (86) 7235-48 (85)
C14	17	128	19.9	94	4	2	105	140	272	70	.7	122	8.02	7592	B73Ht X TROPHY LM C3	4751X52 (86) 1602-39 (86)
C14	18	139	19.8	97	0	3	105	139	279	71	.3	136	8.70	7593	B73Ht X TROPHY LM C3	4754X53 (86) 1602-42 (86)
C14	19	127	20.2	99	1	0	105	134	280	71	.0	125	7.96	7594	B73Ht X TROPHY LM C3	4755X56 (86) 1602-43 (86)
C14	20	137	19.8	100	0	0	105	135	278	71	.3	138	8.59	7595	B73Ht X TROPHY LM C3	4758X57 (86) 1602-52 (86)
C14	21	117	19.3	87	4	9	105	146	277	70	1.0	108	7.35	7596	B73Ht X TROPHY LM C3	4759X60 (86) 1602-55 (86)
C14	22	139	20.1	99	0	1	105	130	267	70	.7	138	8.73	7597	B73Ht X TROPHY LM C3	4762X61 (86) 1602-58 (86)
C14	23	125	19.4	98	0	2	105	134	265	70	.0	127	7.88	7598	B73Ht X TROPHY LM C3	4763X64 (86) 1602-60 (86)
C14	24	130	20.1	98	0	1	105	121	263	70	1.0	128	8.16	7599	B73Ht X TROPHY LM C3	4766X65 (86) 1602-65 (86)
C14	25	133	19.7	96	2	2	105	145	277	71	1.0	131	8.38	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
C14	26	128	19.9	97	2	2	104	139	273	70	.7	126	8.06	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
C14	27	151	21.1	89	8	3	105	130	266	72	.0	134	9.45	902	PIONEER 3165	REC. 1987
C14	28	151	19.2	98	0	2	105	121	265	67	.3	153	9.48	906	PIONEER 3389	REC. 1986
C14	29	138	19.1	99	0	1	103	125	259	72	-.3	141	8.64	909	DEKALB 689	REC. 1986
C14	30	144	17.9	99	0	1	104	112	256	66	.0	153	9.01	901	B73HT X Mo17HT	REC. 1987
		133	19.8	96	2	2	105	137	273	70	.5	130	8.37		EXPERIMENT MEANS	
		14	.4	7	5	4	1	10	13	1	1.2	18	.85		LSD .05 (ENTRY x REP)	
		18	.6	10	7	6	1	13	17	2	1.6	24	1.14		LSD .01 (ENTRY x REP)	
		6	1.3	5	175	134	1	4	3	1	151	9	6.		C. V. % (ENTRY x REP)	
		100	100.	100	103	102	95	107	100	101	92	98	100.		R. E % (LATTICE)	

Table 39. Experiment L14 Lewiston, N.C. Trophy Low Moisture set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L14	1	92	20.6	98	0	2	105	101	238	81	1.7	90	5.78	7576	B73Ht X TROPHY LM C1	4651X52 (86) 1523-33 (85)
L14	2	100	20.5	99	1	1	105	140	254	82	2.7	96	6.26	7577	B73Ht X TROPHY LM C1	4654X53 (86) 1523-35 (85)
L14	3	100	20.1	89	0	12	105	111	243	81	1.3	87	6.25	7578	B73Ht X TROPHY LM C1	4655X56 (86) 1523-36 (85)
L14	4	89	20.7	98	0	2	105	98	207	81	2.0	82	5.57	7579	B73Ht X TROPHY LM C1	4658X57 (86) 1523-37 (85)
L14	5	104	20.2	97	0	3	105	129	261	81	1.0	100	6.56	7580	B73Ht X TROPHY LM C1	4659X60 (86) 1523-41 (85)
L14	6	96	20.3	95	2	3	105	132	230	84	1.3	93	6.05	7581	B73Ht X TROPHY LM C1	4662X61 (86) 1523-47 (85)
L14	7	114	19.7	93	2	6	105	114	245	84	2.3	106	7.13	7582	B73Ht X TROPHY LM C1	4663X64 (86) 1523-48 (85)
L14	8	109	21.0	91	4	5	105	119	238	81	.3	96	6.84	7583	B73Ht X TROPHY LM C1	4666X65 (86) 1523-49 (85)
L14	9	91	20.1	88	2	10	105	98	219	82	1.7	79	5.74	7584	B73Ht X TROPHY LM C2	4699X00 (86) 7235-23 (85)
L14	10	99	19.3	94	1	5	103	118	231	81	2.3	94	6.19	7585	B73Ht X TROPHY LM C2	4734X33 (86) 7235-97 (85)
L14	11	96	20.6	91	1	8	104	117	238	81	1.0	85	6.05	7586	B73Ht X TROPHY LM C2	4703X04 (86) 7235-27 (85)
L14	12	81	20.5	93	1	6	105	109	228	82	1.0	70	5.07	7587	B73Ht X TROPHY LM C2	4706X05 (86) 7235-29 (85)
L14	13	105	19.8	95	0	5	103	110	244	81	2.3	99	6.58	7588	B73Ht X TROPHY LM C2	4707X08 (86) 7235-36 (85)
L14	14	98	19.0	97	0	3	105	102	226	80	1.3	102	6.13	7589	B73Ht X TROPHY LM C2	4710X09 (86) 7235-44 (85)
L14	15	98	19.5	94	2	3	105	128	241	82	2.3	94	6.14	7590	B73Ht X TROPHY LM C2	4711X12 (86) 7235-46 (85)
L14	16	104	20.5	95	2	3	105	114	239	81	2.7	96	6.51	7591	B73Ht X TROPHY LM C2	4714X13 (86) 7235-48 (85)
L14	17	87	20.2	89	0	11	103	113	224	81	3.0	76	5.46	7592	B73Ht X TROPHY LM C3	4751X52 (86) 1602-39 (86)
L14	18	121	19.8	95	1	4	105	124	248	81	1.7	113	7.59	7593	B73Ht X TROPHY LM C3	4754X53 (86) 1602-42 (86)
L14	19	111	21.3	95	2	4	105	124	236	81	.7	102	6.96	7594	B73Ht X TROPHY LM C3	4755X56 (86) 1602-43 (86)
L14	20	99	20.1	96	1	3	105	117	226	81	1.7	93	6.23	7595	B73Ht X TROPHY LM C3	4758X57 (86) 1602-52 (86)
L14	21	94	20.6	79	6	15	105	112	250	82	1.7	67	5.87	7596	B73Ht X TROPHY LM C3	4759X60 (86) 1602-55 (86)
L14	22	99	20.2	93	1	6	105	103	228	80	.0	93	6.23	7597	B73Ht X TROPHY LM C3	4762X61 (86) 1602-58 (86)
L14	23	89	20.4	91	2	7	105	117	235	80	1.0	79	5.61	7598	B73Ht X TROPHY LM C3	4763X64 (86) 1602-60 (86)
L14	24	95	21.4	84	2	14	105	108	209	79	1.3	73	5.94	7599	B73Ht X TROPHY LM C3	4766X65 (86) 1602-65 (86)
L14	25	113	20.5	93	1	6	105	116	244	81	2.0	103	7.11	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
L14	26	76	20.4	99	0	1	93	105	213	81	2.3	70	4.80	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
L14	27	88	19.6	93	2	5	99	103	205	83	1.0	84	5.56	902	PIONEER 3165	REC. 1987
L14	28	117	18.4	90	2	9	93	105	227	75	1.3	113	7.33	906	PIONEER 3389	REC. 1986
L14	29	112	18.7	94	0	6	100	107	228	82	.3	115	7.00	909	DEKALB 689	REC. 1986
L14	30	108	18.8	93	0	7	92	91	204	77	.3	111	6.76	901	B73HT X Mo17HT	REC. 1987
		99	20.1	93	1	6	103	113	232	81	1.5	92	6.24		EXPERIMENT MEANS	
		19	1.5	8	4	7	6	19	26	2	1.7	25	1.18		LSD .05 (ENTRY x REP)	
		25	1.9	11	5	9	8	25	35	2	2.3	34	1.57		LSD .01 (ENTRY x REP)	
		11	4.4	5	194	70	3	10	7	1	69	17	11.		C. V. % (ENTRY x REP)	
		152	100.	102	100	103	95	103	149	92	89	113	152.		R. E % (LATTICE)	

Table 40. Experiment P14 Plymouth, N.C. Trophy Low Moisture set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P14	1	131	22.2	99	0	1	110	143	259	74	.3	119	8.21	7576	B73Ht X TROPHY LM C1	4651X52 (86) 1523-33 (85)
P14	2	125	20.8	92	1	8	110	157	261	74	1.3	112	7.83	7577	B73Ht X TROPHY LM C1	4654X53 (86) 1523-35 (85)
P14	3	125	21.8	95	0	5	110	160	268	75	.2	110	7.86	7578	B73Ht X TROPHY LM C1	4655X56 (86) 1523-36 (85)
P14	4	120	20.8	92	0	8	110	143	259	74	.7	107	7.55	7579	B73Ht X TROPHY LM C1	4658X57 (86) 1523-37 (85)
P14	5	118	20.5	93	0	7	110	138	259	74	.7	108	7.40	7580	B73Ht X TROPHY LM C1	4659X60 (86) 1523-41 (85)
P14	6	121	21.4	87	4	9	110	160	266	76	.4	102	7.61	7581	B73Ht X TROPHY LM C1	4662X61 (86) 1523-47 (85)
P14	7	130	21.4	95	0	5	110	146	259	74	1.4	117	8.14	7582	B73Ht X TROPHY LM C1	4663X64 (86) 1523-48 (85)
P14	8	124	22.2	89	2	10	110	152	260	74	1.3	103	7.78	7583	B73Ht X TROPHY LM C1	4666X65 (86) 1523-49 (85)
P14	9	121	21.5	87	2	11	110	144	261	75	1.0	101	7.60	7584	B73Ht X TROPHY LM C2	4699X00 (86) 7235-23 (85)
P14	10	122	19.9	89	0	11	110	152	265	75	.4	111	7.68	7585	B73Ht X TROPHY LM C2	4734X33 (86) 7235-97 (85)
P14	11	125	21.0	94	0	6	110	149	261	74	.3	114	7.88	7586	B73Ht X TROPHY LM C2	4703X04 (86) 7235-27 (85)
P14	12	119	21.6	91	1	8	110	149	266	74	1.3	102	7.49	7587	B73Ht X TROPHY LM C2	4706X05 (86) 7235-29 (85)
P14	13	112	21.0	93	2	5	110	147	265	74	1.4	100	7.03	7588	B73Ht X TROPHY LM C2	4707X08 (86) 7235-36 (85)
P14	14	118	20.5	97	0	3	110	137	258	73	1.0	113	7.44	7589	B73Ht X TROPHY LM C2	4710X09 (86) 7235-44 (85)
P14	15	132	20.9	98	0	2	110	143	264	75	.4	125	8.26	7590	B73Ht X TROPHY LM C2	4711X12 (86) 7235-46 (85)
P14	16	118	21.1	92	1	8	110	151	265	75	.7	105	7.42	7591	B73Ht X TROPHY LM C2	4714X13 (86) 7235-48 (85)
P14	17	120	21.7	95	0	5	110	149	259	74	.7	107	7.53	7592	B73Ht X TROPHY LM C3	4751X52 (86) 1602-39 (86)
P14	18	135	20.7	95	0	5	110	149	264	75	1.0	125	8.46	7593	B73Ht X TROPHY LM C3	4754X53 (86) 1602-42 (86)
P14	19	128	21.7	97	0	3	110	147	260	74	.6	117	8.07	7594	B73Ht X TROPHY LM C3	4755X56 (86) 1602-43 (86)
P14	20	128	21.2	98	0	2	110	147	256	75	.7	121	8.05	7595	B73Ht X TROPHY LM C3	4758X57 (86) 1602-52 (86)
P14	21	111	20.3	92	1	7	110	150	261	75	1.0	102	6.96	7596	B73Ht X TROPHY LM C3	4759X60 (86) 1602-55 (86)
P14	22	130	22.2	95	0	5	110	152	263	74	.7	114	8.14	7597	B73Ht X TROPHY LM C3	4762X61 (86) 1602-58 (86)
P14	23	124	21.2	95	0	5	110	148	261	74	.4	112	7.76	7598	B73Ht X TROPHY LM C3	4763X64 (86) 1602-60 (86)
P14	24	122	22.4	98	0	2	110	123	251	73	1.0	109	7.65	7599	B73Ht X TROPHY LM C3	4766X65 (86) 1602-65 (86)
P14	25	125	21.2	93	1	6	110	148	263	75	1.3	112	7.85	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
P14	26	124	21.5	94	0	6	107	144	262	74	.9	111	7.78	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
P14	27	130	22.2	99	0	1	108	135	255	76	-.7	118	8.14	902	PIONEER 3165	REC. 1987
P14	28	125	20.1	99	0	1	108	134	249	71	.1	124	7.84	906	PIONEER 3389	REC. 1986
P14	29	121	20.2	94	0	6	106	139	255	75	.0	115	7.62	909	DEKALB 689	REC. 1986
P14	30	122	19.2	94	1	5	107	136	254	71	.0	120	7.64	901	B73HT X Mo17HT	REC. 1987
		124	21.1	94	0	6	110	146	260	74	.7	112	7.76		EXPERIMENT MEANS	
		12	.7	8	3	8	2	12	8	1	1.2	19	.77		LSD .05 (ENTRY x REP)	
		16	.9	10	4	11	3	16	10	2	1.6	25	1.03		LSD .01 (ENTRY x REP)	
		6	2.0	5	361	90	1	5	2	1	108	10	6.		C. V. % (ENTRY x REP)	
		103	114.	98	89	98	100	124	118	118	101	102	103.		R. E % (LATTICE)	

Table 41. Experiment 15 Analysis over locations and years for Trophy Low Moisture set 3, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
15	1	125	19.3	83	1	16	104	134	253	74	1.4	111	7.84	7602	B73Ht X TROPHY LM C1	4667X68 (86) 1523-56 (85)
15	2	130	19.3	90	3	7	104	140	257	76	.7	123	8.15	7603	B73Ht X TROPHY LM C1	4670X69 (86) 1523-60 (85)
15	3	120	20.1	92	2	7	103	131	249	75	1.4	110	7.53	7604	B73Ht X TROPHY LM C1	4671X72 (86) 1523-71 (85)
15	4	125	19.6	88	1	11	104	132	250	76	1.2	115	7.86	7605	B73Ht X TROPHY LM C1	4674X73 (86) 1523-74 (85)
15	5	126	19.6	85	1	14	106	133	254	74	.6	112	7.91	7606	B73Ht X TROPHY LM C1	4675X76 (86) 1523-76 (85)
15	6	133	18.9	88	1	10	105	134	251	74	.1	127	8.33	7607	B73Ht X TROPHY LM C1	4678X77 (86) 1523-78 (85)
15	7	127	19.3	88	3	9	103	138	254	76	.8	119	8.00	7608	B73Ht X TROPHY LM C1	4679X80 (86) 1523-80 (85)
15	8	125	19.1	93	1	7	103	131	248	75	.6	122	7.84	7609	B73Ht X TROPHY LM C1	4682X81 (86) 1523-82 (85)
15	9	120	19.7	85	2	13	105	130	247	74	.6	106	7.52	7610	B73Ht X TROPHY LM C2	4715X16 (86) 7235-50 (85)
15	10	124	19.4	93	0	7	104	123	243	74	.9	120	7.79	7611	B73Ht X TROPHY LM C2	4718X17 (86) 7235-56 (85)
15	11	124	18.9	87	1	12	105	130	249	75	1.4	116	7.78	7612	B73Ht X TROPHY LM C2	4719X20 (86) 7235-61 (85)
15	12	119	19.5	89	1	10	105	124	245	74	1.3	110	7.44	7613	B73Ht X TROPHY LM C2	4722X21 (86) 7235-66 (85)
15	13	124	19.5	90	2	8	105	130	247	76	1.1	117	7.80	7614	B73Ht X TROPHY LM C2	4723X24 (86) 7235-69 (85)
15	14	113	19.7	94	0	6	104	127	245	75	1.4	108	7.11	7615	B73Ht X TROPHY LM C2	4726X25 (86) 7235-74 (85)
15	15	131	19.0	92	0	7	105	126	247	75	.7	129	8.23	7616	B73Ht X TROPHY LM C2	4727X28 (86) 7235-76 (85)
15	16	119	19.0	86	1	14	105	131	250	74	.7	110	7.50	7617	B73Ht X TROPHY LM C2	4730X29 (86) 7235-81 (85)
15	17	117	19.4	90	2	8	104	123	244	74	.9	110	7.34	7618	B73Ht X TROPHY LM C3	4767X68 (86) 1602-68 (86)
15	18	121	18.8	90	1	9	104	126	245	74	.6	117	7.59	7619	B73Ht X TROPHY LM C3	4770X69 (86) 1602-78 (86)
15	19	117	19.6	84	3	13	104	130	250	75	.6	103	7.33	7620	B73Ht X TROPHY LM C3	4771X72 (86) 1602-85 (86)
15	20	123	19.2	89	0	10	105	128	248	74	.6	116	7.69	7621	B73Ht X TROPHY LM C3	4774X73 (86) 1602-93 (86)
15	21	125	18.8	90	1	9	105	129	247	74	.1	121	7.86	7622	B73Ht X TROPHY LM C3	4775X76 (86) 1602-95 (86)
15	22	124	19.3	98	0	2	105	117	238	74	.7	125	7.77	7623	B73Ht X TROPHY LM C3	4795X96 (86) 1602-129(86)
15	23	125	19.5	83	2	14	105	130	251	75	.8	111	7.84	7624	B73Ht X TROPHY LM C3	4779X80 (86) 1602-104(86)
15	24	116	19.5	85	1	14	104	123	244	74	.9	103	7.28	7625	B73Ht X TROPHY LM C3	4782X81 (86) 1602-108(86)
15	25	128	19.7	92	2	6	105	132	253	75	1.0	122	8.03	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
15	26	123	19.7	91	1	8	101	132	252	74	1.6	115	7.72	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
15	27	138	20.4	94	2	4	102	120	236	77	-.3	129	8.65	902	PIONEER 3165	REC. 1987
15	28	118	18.7	97	0	3	99	107	225	72	.6	121	7.42	906	PIONEER 3389	REC. 1986
15	29	128	18.3	93	1	6	101	119	233	75	.3	130	8.07	909	DEKALB 689	REC. 1986
15	30	118	17.5	92	0	7	98	113	232	71	.2	124	7.44	901	B73HT X Mo17HT	REC. 1987
		124	19.3	90	1	9	104	127	246	74	.8	117	7.76		EXPERIMENT MEANS	
		11	.5	8	5	6	4	13	9	2	1.3	16	.74		LSD .05 (ENTRY x ENV)	
		14	.7	10	6	8	5	17	11	3	1.8	21	.98		LSD .01 (ENTRY x ENV)	
		7	2.	6	117	55	2	5	3	1	89	11	7.		C. V. % (ENTRY x ENV)	

Table 42. Experiment 15 Analysis over locations for Trophy Low Moisture set 3, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
15	1	123	20.8	94	0	6	106	142	264	75	.8	114	7.74	7602	B73Ht X TROPHY LM C1	4667X68 (86) 1523-56 (85)
15	2	127	20.2	96	1	4	107	150	262	76	.9	121	7.96	7603	B73Ht X TROPHY LM C1	4670X69 (86) 1523-60 (85)
15	3	109	21.3	92	3	5	106	135	251	75	1.3	94	6.85	7604	B73Ht X TROPHY LM C1	4671X72 (86) 1523-71 (85)
15	4	121	20.3	91	1	8	106	141	261	77	.2	110	7.58	7605	B73Ht X TROPHY LM C1	4674X73 (86) 1523-74 (85)
15	5	122	20.3	93	0	7	107	137	255	75	.6	113	7.65	7606	B73Ht X TROPHY LM C1	4675X76 (86) 1523-76 (85)
15	6	128	19.8	91	2	8	106	138	256	75	.4	120	8.06	7607	B73Ht X TROPHY LM C1	4678X77 (86) 1523-78 (85)
15	7	119	20.4	91	3	6	105	143	262	76	.7	108	7.49	7608	B73Ht X TROPHY LM C1	4679X80 (86) 1523-80 (85)
15	8	114	20.1	95	0	6	106	136	254	76	.4	108	7.13	7609	B73Ht X TROPHY LM C1	4682X81 (86) 1523-82 (85)
15	9	116	20.7	89	4	8	107	137	255	75	1.0	101	7.26	7610	B73Ht X TROPHY LM C2	4715X16 (86) 7235-50 (85)
15	10	118	19.8	96	0	4	107	125	250	74	1.4	115	7.41	7611	B73Ht X TROPHY LM C2	4718X17 (86) 7235-56 (85)
15	11	124	19.3	92	1	7	107	140	261	75	.7	119	7.80	7612	B73Ht X TROPHY LM C2	4719X20 (86) 7235-61 (85)
15	12	115	20.2	93	1	7	107	129	248	75	1.5	107	7.24	7613	B73Ht X TROPHY LM C2	4722X21 (86) 7235-66 (85)
15	13	121	20.8	95	2	4	106	138	261	76	1.2	112	7.60	7614	B73Ht X TROPHY LM C2	4723X24 (86) 7235-69 (85)
15	14	106	20.6	96	1	3	107	132	246	76	1.2	99	6.67	7615	B73Ht X TROPHY LM C2	4726X25 (86) 7235-74 (85)
15	15	128	19.7	95	1	4	107	132	254	75	.8	124	8.05	7616	B73Ht X TROPHY LM C2	4727X28 (86) 7235-76 (85)
15	16	121	19.4	94	0	6	107	141	260	75	.6	118	7.60	7617	B73Ht X TROPHY LM C2	4730X29 (86) 7235-81 (85)
15	17	114	20.6	95	0	5	107	130	244	74	.7	105	7.12	7618	B73Ht X TROPHY LM C3	4767X68 (86) 1602-68 (86)
15	18	121	19.4	94	2	5	107	132	252	74	.4	118	7.63	7619	B73Ht X TROPHY LM C3	4770X69 (86) 1602-78 (86)
15	19	109	20.7	86	3	12	106	136	253	75	1.3	91	6.83	7620	B73Ht X TROPHY LM C3	4771X72 (86) 1602-85 (86)
15	20	119	20.1	96	0	4	107	136	247	75	.9	115	7.48	7621	B73Ht X TROPHY LM C3	4774X73 (86) 1602-93 (86)
15	21	119	19.9	90	3	7	107	132	253	74	.6	110	7.47	7622	B73Ht X TROPHY LM C3	4775X76 (86) 1602-95 (86)
15	22	112	20.2	97	0	2	107	123	241	74	1.3	108	7.04	7623	B73Ht X TROPHY LM C3	4795X96 (86) 1602-129(86)
15	23	122	20.8	94	0	5	107	135	256	75	1.5	113	7.67	7624	B73Ht X TROPHY LM C3	4779X80 (86) 1602-104(86)
15	24	115	20.2	90	1	9	107	131	252	75	1.0	104	7.23	7625	B73Ht X TROPHY LM C3	4782X81 (86) 1602-108(86)
15	25	121	20.4	95	1	4	107	142	262	75	2.1	113	7.61	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
15	26	120	20.6	93	1	6	104	134	252	75	.9	110	7.55	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
15	27	124	21.0	93	3	4	105	124	244	77	.4	112	7.80	902	PIONEER 3165	REC. 1987
15	28	129	19.0	99	0	1	103	123	242	71	.6	132	8.11	906	PIONEER 3389	REC. 1986
15	29	120	19.2	95	0	5	102	126	245	76	.3	118	7.52	909	DEKALB 689	REC. 1986
15	30	123	18.0	99	0	1	100	125	241	71	.3	133	7.73	901	B73HT X Mo17HT	REC. 1987
		119	20.1	94	1	5	106	134	253	75	.9	112	7.50		EXPERIMENT MEANS	
		13	.9	8	5	5	4	13	9	2	1.3	16	.74		LSD .05 (ENTRY x ENV)	
		17	1.2	10	6	7	5	17	11	3	1.8	21	.98		LSD .01 (ENTRY x ENV)	
		6	3.	3	100	42	2	4	4	1	55	8	6.		C. V. % (ENTRY x ENV)	

Table 43. Experiment C15 Clayton, N.C. Trophy Low Moisture set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C15	1	124	19.7	94	0	6	105	148	262	70	.8	121	7.80	7602	B73Ht X TROPHY LM C1	4667X68 (86) 1523-56 (85)
C15	2	140	19.5	95	3	3	105	160	265	72	.0	137	8.80	7603	B73Ht X TROPHY LM C1	4670X69 (86) 1523-60 (85)
C15	3	109	19.7	91	6	3	104	153	257	70	1.0	101	6.84	7604	B73Ht X TROPHY LM C1	4671X72 (86) 1523-71 (85)
C15	4	127	19.8	91	2	7	104	153	260	72	-.4	119	7.96	7605	B73Ht X TROPHY LM C1	4674X73 (86) 1523-74 (85)
C15	5	134	19.8	95	1	4	105	150	260	70	.2	130	8.39	7606	B73Ht X TROPHY LM C1	4675X76 (86) 1523-76 (85)
C15	6	134	19.0	91	3	5	105	152	258	70	-.3	130	8.40	7607	B73Ht X TROPHY LM C1	4678X77 (86) 1523-78 (85)
C15	7	133	19.3	90	5	6	104	155	262	71	.3	126	8.35	7608	B73Ht X TROPHY LM C1	4679X80 (86) 1523-80 (85)
C15	8	121	19.0	97	0	4	103	144	255	71	-.3	121	7.61	7609	B73Ht X TROPHY LM C1	4682X81 (86) 1523-82 (85)
C15	9	117	19.7	86	4	10	105	155	255	69	1.1	105	7.37	7610	B73Ht X TROPHY LM C2	4715X16 (86) 7235-50 (85)
C15	10	128	18.9	99	0	1	105	139	255	69	.8	133	8.02	7611	B73Ht X TROPHY LM C2	4718X17 (86) 7235-56 (85)
C15	11	121	18.4	88	2	10	105	145	258	70	.3	117	7.60	7612	B73Ht X TROPHY LM C2	4719X20 (86) 7235-61 (85)
C15	12	123	19.6	94	2	5	105	137	252	69	1.2	118	7.70	7613	B73Ht X TROPHY LM C2	4722X21 (86) 7235-66 (85)
C15	13	120	19.7	95	2	3	105	150	260	71	.7	116	7.51	7614	B73Ht X TROPHY LM C2	4723X24 (86) 7235-69 (85)
C15	14	107	19.8	96	2	2	105	141	253	71	1.0	104	6.74	7615	B73Ht X TROPHY LM C2	4726X25 (86) 7235-74 (85)
C15	15	134	19.1	96	0	4	105	143	258	71	.3	134	8.41	7616	B73Ht X TROPHY LM C2	4727X28 (86) 7235-76 (85)
C15	16	119	18.8	98	0	2	105	152	265	70	.3	124	7.50	7617	B73Ht X TROPHY LM C2	4730X29 (86) 7235-81 (85)
C15	17	123	19.5	97	0	3	105	143	255	70	1.4	122	7.72	7618	B73Ht X TROPHY LM C3	4767X68 (86) 1602-68 (86)
C15	18	119	18.9	97	2	2	105	141	250	70	.7	121	7.49	7619	B73Ht X TROPHY LM C3	4770X69 (86) 1602-78 (86)
C15	19	115	20.3	86	6	8	105	147	260	70	.7	99	7.22	7620	B73Ht X TROPHY LM C3	4771X72 (86) 1602-85 (86)
C15	20	126	19.0	96	0	4	105	147	255	70	.3	128	7.89	7621	B73Ht X TROPHY LM C3	4774X73 (86) 1602-93 (86)
C15	21	131	18.7	93	2	5	105	144	263	69	.3	131	8.23	7622	B73Ht X TROPHY LM C3	4775X76 (86) 1602-95 (86)
C15	22	118	19.3	99	0	1	105	136	255	69	1.0	120	7.39	7623	B73Ht X TROPHY LM C3	4795X96 (86) 1602-129(86)
C15	23	141	19.9	96	1	2	105	143	262	71	1.0	139	8.88	7624	B73Ht X TROPHY LM C3	4779X80 (86) 1602-104(86)
C15	24	114	19.3	93	2	5	105	141	258	70	1.0	110	7.18	7625	B73Ht X TROPHY LM C3	4782X81 (86) 1602-108(86)
C15	25	123	19.8	95	2	3	105	149	262	71	1.3	119	7.74	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
C15	26	122	19.7	93	1	7	103	151	260	69	1.1	116	7.69	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
C15	27	132	20.2	89	6	5	103	139	253	73	-.3	119	8.29	902	PIONEER 3165	REC. 1987
C15	28	136	18.9	99	0	1	101	136	252	67	1.1	139	8.52	906	PIONEER 3389	REC. 1986
C15	29	126	17.9	97	0	3	103	142	250	71	-.2	133	7.91	909	DEKALB 689	REC. 1986
C15	30	125	16.8	100	0	0	96	134	247	66	.0	141	7.82	901	B73HT X Mo17HT	REC. 1987
		125	19.3	94	2	4	104	146	257	70	.5	122	7.83		EXPERIMENT MEANS	
		12	.6	7	5	5	3	12	8	1	1.3	15	.74		LSD .05 (ENTRY x REP)	
		16	.8	9	6	7	4	16	10	2	1.8	20	.98		LSD .01 (ENTRY x REP)	
		6	1.9	4	155	77	2	5	2	1	150	7	6.		C. V. % (ENTRY x REP)	
		122	111.	100	100	102	92	103	92	112	103	119	122.		R. E % (LATTICE)	

Table 44. Experiment L15 Lewiston, N.C. Trophy Low Moisture set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L15	1	116	21.7	96	0	4	105	132	267	80	1.2	104	7.27	7602	B73Ht X TROPHY LM C1	4667X68 (86) 1523-56 (85)
L15	2	111	20.4	94	0	6	105	139	257	81	2.0	104	6.98	7603	B73Ht X TROPHY LM C1	4670X69 (86) 1523-60 (85)
L15	3	100	22.2	93	1	6	105	110	237	80	2.6	82	6.28	7604	B73Ht X TROPHY LM C1	4671X72 (86) 1523-71 (85)
L15	4	109	19.8	95	0	6	105	122	258	82	1.0	105	6.83	7605	B73Ht X TROPHY LM C1	4674X73 (86) 1523-74 (85)
L15	5	104	19.7	95	0	6	105	115	239	80	1.2	100	6.50	7606	B73Ht X TROPHY LM C1	4675X76 (86) 1523-76 (85)
L15	6	122	19.8	93	2	6	104	116	249	80	.7	116	7.68	7607	B73Ht X TROPHY LM C1	4678X77 (86) 1523-78 (85)
L15	7	100	20.9	93	3	4	102	125	256	81	1.4	88	6.30	7608	B73Ht X TROPHY LM C1	4679X80 (86) 1523-80 (85)
L15	8	95	20.7	92	0	8	105	118	246	82	.5	85	5.94	7609	B73Ht X TROPHY LM C1	4682X81 (86) 1523-82 (85)
L15	9	113	20.6	89	6	5	105	117	249	80	.9	100	7.10	7610	B73Ht X TROPHY LM C2	4715X16 (86) 7235-50 (85)
L15	10	103	19.5	95	1	5	105	93	228	79	2.3	99	6.45	7611	B73Ht X TROPHY LM C2	4718X17 (86) 7235-56 (85)
L15	11	120	19.0	95	0	6	105	128	263	80	1.0	118	7.51	7612	B73Ht X TROPHY LM C2	4719X20 (86) 7235-61 (85)
L15	12	102	19.8	90	0	10	105	111	237	81	2.6	93	6.43	7613	B73Ht X TROPHY LM C2	4722X21 (86) 7235-66 (85)
L15	13	119	21.5	95	2	2	102	125	261	81	2.7	106	7.47	7614	B73Ht X TROPHY LM C2	4723X24 (86) 7235-69 (85)
L15	14	94	20.3	96	1	4	106	111	225	81	1.5	88	5.88	7615	B73Ht X TROPHY LM C2	4726X25 (86) 7235-74 (85)
L15	15	116	19.7	94	2	3	105	112	242	80	1.9	111	7.31	7616	B73Ht X TROPHY LM C2	4727X28 (86) 7235-76 (85)
L15	16	112	19.1	92	0	8	105	127	259	80	1.3	110	7.05	7617	B73Ht X TROPHY LM C2	4730X29 (86) 7235-81 (85)
L15	17	93	21.2	94	0	6	105	106	214	79	.3	81	5.82	7618	B73Ht X TROPHY LM C3	4767X68 (86) 1602-68 (86)
L15	18	116	19.0	96	1	4	105	115	244	80	.5	116	7.30	7619	B73Ht X TROPHY LM C3	4770X69 (86) 1602-78 (86)
L15	19	90	20.1	81	2	17	102	113	233	80	2.1	71	5.65	7620	B73Ht X TROPHY LM C3	4771X72 (86) 1602-85 (86)
L15	20	99	20.5	94	0	5	105	124	223	81	1.7	92	6.24	7621	B73Ht X TROPHY LM C3	4774X73 (86) 1602-93 (86)
L15	21	98	20.2	84	5	10	105	110	234	80	1.1	81	6.13	7622	B73Ht X TROPHY LM C3	4775X76 (86) 1602-95 (86)
L15	22	94	20.6	96	0	3	105	102	210	79	1.9	86	5.90	7623	B73Ht X TROPHY LM C3	4795X96 (86) 1602-129(86)
L15	23	100	21.5	96	0	4	105	117	242	80	2.5	89	6.25	7624	B73Ht X TROPHY LM C3	4779X80 (86) 1602-104(86)
L15	24	106	19.7	85	1	13	105	113	239	80	1.9	92	6.64	7625	B73Ht X TROPHY LM C3	4782X81 (86) 1602-108(86)
L15	25	110	20.1	93	2	6	105	131	258	81	2.9	102	6.93	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
L15	26	119	20.4	94	2	4	100	109	236	80	1.0	110	7.45	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
L15	27	109	20.0	97	2	2	102	104	226	83	1.2	106	6.87	902	PIONEER 3165	REC. 1987
L15	28	125	17.8	99	1	1	100	99	221	75	.7	134	7.84	906	PIONEER 3389	REC. 1986
L15	29	115	20.1	94	1	5	94	100	232	82	.7	108	7.25	909	DEKALB 689	REC. 1986
L15	30	114	18.5	98	0	2	97	106	221	77	.9	121	7.13	901	B73HT X Mo17HT	REC. 1987
		107	20.1	93	1	6	104	115	240	80	1.5	100	6.75		EXPERIMENT MEANS	
		26	1.3	8	4	7	6	17	34	2	1.6	27	1.64		LSD .05 (ENTRY x REP)	
		35	1.7	10	5	9	8	22	45	2	2.1	37	2.19		LSD .01 (ENTRY x REP)	
		15	3.9	5	240	75	3	9	8	1	65	17	15.		C. V. % (ENTRY x REP)	
		110	100.	104	111	99	101	107	132	101	110	107	110.		R. E % (LATTICE)	

Table 45. Experiment P15 Plymouth, N.C. Trophy Low Moisture set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P15	1	130	21.0	92	0	8	108	146	263	75	.3	117	8.15	7602	B73Ht X TROPHY LM C1	4667X68 (86) 1523-56 (85)
P15	2	129	20.8	98	0	2	110	150	265	75	.7	122	8.11	7603	B73Ht X TROPHY LM C1	4670X69 (86) 1523-60 (85)
P15	3	118	22.1	92	1	7	110	143	260	76	.3	99	7.43	7604	B73Ht X TROPHY LM C1	4671X72 (86) 1523-71 (85)
P15	4	127	21.3	86	2	12	110	148	265	76	.0	107	7.96	7605	B73Ht X TROPHY LM C1	4674X73 (86) 1523-74 (85)
P15	5	129	21.4	89	0	11	110	145	266	74	.3	110	8.07	7606	B73Ht X TROPHY LM C1	4675X76 (86) 1523-76 (85)
P15	6	129	20.5	88	0	12	110	146	262	75	.7	115	8.11	7607	B73Ht X TROPHY LM C1	4678X77 (86) 1523-78 (85)
P15	7	124	20.9	91	1	9	108	150	267	75	.3	111	7.81	7608	B73Ht X TROPHY LM C1	4679X80 (86) 1523-80 (85)
P15	8	125	20.7	95	0	5	110	146	260	74	1.0	117	7.84	7609	B73Ht X TROPHY LM C1	4682X81 (86) 1523-82 (85)
P15	9	117	21.9	91	1	8	110	140	262	75	1.0	98	7.32	7610	B73Ht X TROPHY LM C2	4715X16 (86) 7235-50 (85)
P15	10	124	21.0	93	0	7	110	142	266	74	1.0	112	7.77	7611	B73Ht X TROPHY LM C2	4718X17 (86) 7235-56 (85)
P15	11	132	20.5	94	1	5	110	148	263	74	.7	123	8.28	7612	B73Ht X TROPHY LM C2	4719X20 (86) 7235-61 (85)
P15	12	121	21.1	95	0	5	110	140	256	74	.7	111	7.58	7613	B73Ht X TROPHY LM C2	4722X21 (86) 7235-66 (85)
P15	13	124	21.2	94	1	6	110	138	261	75	.3	113	7.81	7614	B73Ht X TROPHY LM C2	4723X24 (86) 7235-69 (85)
P15	14	117	21.6	96	0	4	110	144	259	75	1.0	105	7.38	7615	B73Ht X TROPHY LM C2	4726X25 (86) 7235-74 (85)
P15	15	134	20.4	96	0	4	110	140	263	74	.3	128	8.44	7616	B73Ht X TROPHY LM C2	4727X28 (86) 7235-76 (85)
P15	16	131	20.4	91	0	9	110	143	257	74	.3	120	8.24	7617	B73Ht X TROPHY LM C2	4730X29 (86) 7235-81 (85)
P15	17	125	21.1	93	1	6	110	142	263	74	.3	113	7.83	7618	B73Ht X TROPHY LM C3	4767X68 (86) 1602-68 (86)
P15	18	129	20.4	90	2	8	110	140	262	73	.0	118	8.11	7619	B73Ht X TROPHY LM C3	4770X69 (86) 1602-78 (86)
P15	19	121	21.8	90	1	10	110	149	265	74	1.0	102	7.62	7620	B73Ht X TROPHY LM C3	4771X72 (86) 1602-85 (86)
P15	20	133	20.8	97	0	3	110	137	262	74	.7	126	8.32	7621	B73Ht X TROPHY LM C3	4774X73 (86) 1602-93 (86)
P15	21	128	20.7	92	1	7	110	141	262	73	.3	117	8.04	7622	B73Ht X TROPHY LM C3	4775X76 (86) 1602-95 (86)
P15	22	125	20.7	97	0	3	110	132	258	73	1.0	117	7.83	7623	B73Ht X TROPHY LM C3	4795X96 (86) 1602-129(86)
P15	23	125	21.1	91	0	9	110	144	264	75	1.0	111	7.88	7624	B73Ht X TROPHY LM C3	4779X80 (86) 1602-104(86)
P15	24	125	21.5	92	0	8	110	140	259	74	.0	110	7.86	7625	B73Ht X TROPHY LM C3	4782X81 (86) 1602-108(86)
P15	25	130	21.2	96	0	4	110	145	265	74	2.0	119	8.16	7574	B73Ht X TROPHY LM C0	4626X33 (86) PLY (84)
P15	26	120	21.7	92	1	7	109	141	260	75	.7	103	7.51	7575	TROPHY LM C0 X B73Ht	4625X34 (86) DOWNING (85)
P15	27	131	22.8	94	2	5	110	130	254	75	.3	111	8.24	902	PIONEER 3165	REC. 1987
P15	28	127	20.2	98	0	2	108	133	252	72	.0	124	7.97	906	PIONEER 3389	REC. 1986
P15	29	118	19.5	94	0	7	108	136	252	74	.3	114	7.39	909	DEKALB 689	REC. 1986
P15	30	131	18.8	98	0	2	108	134	255	71	.0	136	8.25	901	B73HT X Mo17HT	REC. 1987
		126	21.0	93	0	6	110	142	261	74	.6	114	7.91		EXPERIMENT MEANS	
		12	.7	8	2	7	2	12	7	2	1.2	17	.77		LSD .05 (ENTRY x REP)	
		16	.9	10	3	10	3	15	9	2	1.5	23	1.03		LSD .01 (ENTRY x REP)	
		6	2.0	5	289	69	1	5	2	1	127	9	6.		C. V. % (ENTRY x REP)	
		114	131.	101	90	103	96	101	122	104	96	107	114.		R. E % (LATTICE)	

Table 46. Experiment 17 Analysis over locations and years for Trophy (Cycle 2) x (B73ht x Mo17ht) set 1, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
17	1	113	19.4	90	5	5	97	134	262	74	.4	106	7.08	7348	(105.H5) X 101)F2S4 XT6 695X96 (86)	7968-2 (85)
17	2	127	20.2	93	2	5	98	121	243	73	.2	118	7.95	7272	(105.H5) X 155)F2S4 XT6 543X44 (86)	7846-2 (85)
17	3	118	20.8	91	7	3	97	135	267	75	.5	105	7.41	7371	(105.5)X(155.504)F2S4XT6 741X42 (86)	8007-1 (85)
17	4	116	19.5	89	6	5	99	129	255	73	.5	108	7.29	7336	(105.H5) X 101)F2S4 XT6 671X72 (86)	7952-1 (85)
17	5	113	20.7	91	2	8	105	123	242	75	.3	101	7.11	7326	155 X (105.306))F2S4 XT6 4303X04 (86)	7928-1 (85)
17	6	120	19.9	92	2	6	100	125	259	74	.8	112	7.52	7332	(105.H5) X 101)F2S4 XT6 663X64 (86)	7948-1 (85)
17	7	98	18.7	78	7	15	94	134	259	73	.3	83	6.13	7345	(105.H5) X 101)F2S4 XT6 689X90 (86)	7965-1 (85)
17	8	111	21.7	91	4	5	104	136	258	75	.6	93	6.95	7262	(105.H5) X 155)F2S4 XT6 4247X48 (86)	7835-1 (85)
17	9	111	19.7	94	2	5	99	122	246	73	.7	106	6.94	7374	(105.5)X(155.504)F2S4XT6 747X48 (86)	8021-1 (85)
17	10	120	21.1	89	7	4	100	131	262	75	.4	103	7.57	7367	(105.5)X(155.504)F2S4XT6 733X34 (86)	8005-1 (85)
17	11	131	20.3	96	2	2	97	128	251	74	-.1	126	8.23	7271	(105.H5) X 155)F2S4 XT6 541X42 (86)	7846-1 (85)
17	12	115	19.6	92	6	3	101	133	255	74	.9	108	7.19	7377	(105.101)X(155.504) XT6 4325X26 (86)	8023-1 (85)
17	13	108	19.6	94	4	3	101	120	243	74	.6	103	6.75	7389	(105.155)X 155)F2S4 XT6 777X78 (86)	8050-1 (85)
17	14	98	19.8	76	7	17	95	123	248	73	1.0	75	6.14	7250	P105F6S1.H5F6S1)F2S4 XT6 499X 0 (86)	7820-1 (85)
17	15	111	20.1	88	7	5	106	120	243	73	.0	99	6.97	7300	155 X (304.101))F2S4 XT6 4109X10 (86)	7890-1 (85)
17	16	122	20.3	98	1	2	92	123	245	73	.3	119	7.65	7273	(105.H5) X 155)F2S4 XT6 545X46 (86)	7848-1 (85)
17	17	118	19.3	89	5	6	102	134	264	73	.1	110	7.42	7349	(105.H5) X 101)F2S4 XT6 4309X10 (86)	7968-3 (85)
17	18	110	20.7	83	3	14	102	127	250	75	.2	90	6.93	7260	(105.H5) X 155)F2S4 XT6 519X20 (86)	7833-1 (85)
17	19	115	19.7	92	4	4	103	129	257	75	-.1	110	7.23	7381	(105.155)X(304.504) XT6 4331X32 (86)	8037-1 (85)
17	20	123	19.8	94	2	5	102	129	255	74	.3	117	7.73	7296	(105.H5) X 155)F2S4 XT6 4267X68 (86)	7873-1 (85)
17	21	107	20.6	88	5	7	102	123	248	75	.5	92	6.70	7315	(105.306) X 155)F2S4 XT6 4291X92 (86)	7915-1 (85)
17	22	119	19.2	93	4	4	101	130	263	73	.9	116	7.51	7342	(105.H5) X 101)F2S4 XT6 4307X08 (86)	7962-2 (85)
17	23	115	19.5	92	1	7	105	134	257	75	.3	109	7.20	7278	(105.H5) X 155)F2S4 XT6 4255X56 (86)	7861-2 (85)
17	24	112	20.4	86	4	10	102	126	248	75	.6	96	7.01	7354	(105.306) X 101)F2S4 XT6 707X 8 (86)	7973-2 (85)
17	25	117	20.6	94	2	5	99	120	248	73	.7	107	7.32	7357	105 X (304.504))F2S4 XT6 713X14 (86)	7989-1 (85)
17	26	98	19.8	92	2	6	95	96	205	71	.6	91	6.12	7329	(105.155) X H5)F2S4 XT6 657X58 (86)	7934-1 (85)
17	27	107	18.9	90	5	5	96	136	269	74	.9	103	6.75	7341	(105.H5) X 101)F2S4 XT6 681X82 (86)	7962-1 (85)
17	28	138	21.0	90	6	5	104	121	244	75	.2	123	8.66	902	PIONEER 3165	REC. 1987
17	29	132	18.7	95	1	4	103	120	244	74	-.0	134	8.30	909	DEKALB 689	REC. 1986
17	30	125	18.5	94	0	6	104	114	237	71	.4	126	7.83	901	B73HT X MO17HT	REC. 1987
		115	19.9	90	4	6	100	126	251	74	.4	106	7.25		EXPERIMENT MEANS	
		10	.7	19	14	8	8	10	15	2	.7	31	1.03		LSD .05 (ENTRY x ENV)	
		13	.9	25	19	11	10	13	19	2	.9	42	1.38		LSD .01 (ENTRY x ENV)	
		8	3.	6	95	65	4	5	3	2	89	12	7.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 47. Experiment 17 Analysis over locations for Trophy (Cycle 2) x (B73ht x Mo17ht) set 1, 1988
Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
17	1	115	20.6	87	8	6	102	145	277	74	.5	99	7.24	7348	(105.H5) X 101)F2S4 XT6	695X96 (86) 7968-2 (85)
17	2	135	21.5	91	4	5	104	131	260	73	.6	118	8.48	7272	(105.H5) X 155)F2S4 XT6	543X44 (86) 7846-2 (85)
17	3	121	22.7	83	13	4	102	145	283	75	.6	91	7.63	7371	(105.5)X(155.504)F2S4XT6	741X42 (86) 8007-1 (85)
17	4	119	20.7	87	10	3	104	141	268	73	.6	102	7.46	7336	(105.H5) X 101)F2S4 XT6	671X72 (86) 7952-1 (85)
17	5	114	22.0	91	3	6	108	132	256	75	.1	95	7.18	7326	155 X (105.306))F2S4 XT6	4303X04 (86) 7928-1 (85)
17	6	122	20.6	93	3	3	105	135	270	74	.9	112	7.63	7332	(105.H5) X 101)F2S4 XT6	663X64 (86) 7948-1 (85)
17	7	98	19.8	71	11	18	102	147	274	72	.3	69	6.13	7345	(105.H5) X 101)F2S4 XT6	689X90 (86) 7965-1 (85)
17	8	114	23.1	90	7	3	107	146	274	75	.6	89	7.18	7262	(105.H5) X 155)F2S4 XT6	4247X48 (86) 7835-1 (85)
17	9	113	21.0	95	3	2	103	135	262	73	.7	103	7.09	7374	(105.5)X(155.504)F2S4XT6	747X48 (86) 8021-1 (85)
17	10	125	22.7	86	12	2	100	142	279	74	.1	98	7.86	7367	(105.5)X(155.504)F2S4XT6	733X34 (86) 8005-1 (85)
17	11	134	21.5	92	5	3	102	140	269	73	.1	118	8.40	7271	(105.H5) X 155)F2S4 XT6	541X42 (86) 7846-1 (85)
17	12	118	20.4	89	10	2	105	143	272	74	.9	104	7.41	7377	(105.101)X(155.504) XT6	4325X26 (86) 8023-1 (85)
17	13	103	20.9	91	8	2	101	131	259	74	.5	89	6.48	7389	(105.155)X 155)F2S4 XT6	777X78 (86) 8050-1 (85)
17	14	101	21.2	78	12	10	103	136	266	73	.9	73	6.33	7250	P105F6S1.H5F6S1)F2S4 XT6	499X 0 (86) 7820-1 (85)
17	15	114	21.1	84	13	3	109	130	257	73	.1	93	7.18	7300	155 X (304.101))F2S4 XT6	4109X10 (86) 7890-1 (85)
17	16	120	21.6	99	0	1	93	135	261	73	.2	111	7.54	7273	(105.H5) X 155)F2S4 XT6	545X46 (86) 7848-1 (85)
17	17	120	20.5	87	10	3	105	142	278	73	.1	105	7.55	7349	(105.H5) X 101)F2S4 XT6	4309X10 (86) 7968-3 (85)
17	18	108	22.0	80	6	14	105	142	265	75	.2	78	6.81	7260	(105.H5) X 155)F2S4 XT6	519X20 (86) 7833-1 (85)
17	19	115	20.6	90	8	1	106	138	269	75	.1	103	7.23	7381	(105.155)X(304.504) XT6	4331X32 (86) 8037-1 (85)
17	20	128	21.1	94	4	2	103	138	268	73	.4	117	8.06	7296	(105.H5) X 155)F2S4 XT6	4267X68 (86) 7873-1 (85)
17	21	103	21.8	85	9	6	105	135	264	75	.3	80	6.49	7315	(105.306) X 155)F2S4 XT6	4291X92 (86) 7915-1 (85)
17	22	123	20.2	91	6	2	105	142	281	73	1.2	114	7.76	7342	(105.H5) X 101)F2S4 XT6	4307X08 (86) 7962-2 (85)
17	23	116	20.6	95	2	4	106	145	269	75	.3	108	7.27	7278	(105.H5) X 155)F2S4 XT6	4255X56 (86) 7861-2 (85)
17	24	109	21.8	84	7	10	106	139	265	75	.5	83	6.84	7354	(105.306) X 101)F2S4 XT6	707X 8 (86) 7973-2 (85)
17	25	119	21.2	93	3	4	99	132	263	73	.6	106	7.45	7357	105 X (304.504))F2S4 XT6	713X14 (86) 7989-1 (85)
17	26	105	21.0	96	3	1	96	107	217	72	.2	97	6.61	7329	(105.155) X H5)F2S4 XT6	657X58 (86) 7934-1 (85)
17	27	106	19.9	87	10	4	102	146	284	74	.9	94	6.66	7341	(105.H5) X 101)F2S4 XT6	681X82 (86) 7962-1 (85)
17	28	135	22.2	87	10	3	107	133	262	75	.2	111	8.48	902	PIONEER 3165	REC. 1987
17	29	132	19.6	95	1	3	107	132	265	74	.2	130	8.30	909	DEKALB 689	REC. 1986
17	30	134	19.4	96	0	4	105	128	256	71	.1	132	8.40	901	B73HT X MO17HT	REC. 1987
		117	21.1	89	7	5	104	137	266	74	.4	101	7.37		EXPERIMENT MEANS	
		17	.7	19	14	8	8	10	15	2	.7	31	1.03		LSD .05 (ENTRY x ENV)	
		23	.9	25	19	11	10	13	19	2	.9	42	1.38		LSD .01 (ENTRY x ENV)	
		8	2.	7	71	71	3	4	3	2	64	13	7.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 48. Experiment C17 Clayton, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C17	1	120	19.6	88	9	3	105	151	296	71	.3	110	7.54	7348	(105.H5) X 101)F2S4 XT6	695X96 (86) 7968-2 (85)
C17	2	138	20.9	87	9	4	107	133	264	70	.3	120	8.66	7272	(105.H5) X 155)F2S4 XT6	543X44 (86) 7846-2 (85)
C17	3	127	21.3	78	18	3	105	147	291	72	.0	100	8.00	7371	(105.5)X(155.504)F2S4XT6	741X42 (86) 8007-1 (85)
C17	4	129	20.3	85	12	2	105	141	281	70	.3	113	8.07	7336	(105.H5) X 101)F2S4 XT6	671X72 (86) 7952-1 (85)
C17	5	123	21.0	91	8	2	107	134	272	72	.0	110	7.72	7326	155 X (105.306))F2S4 XT6	4303X04 (86) 7928-1 (85)
C17	6	124	19.5	91	4	5	105	128	273	71	.3	117	7.78	7332	(105.H5) X 101)F2S4 XT6	663X64 (86) 7948-1 (85)
C17	7	84	19.3	54	24	22	104	142	279	70	.3	41	5.25	7345	(105.H5) X 101)F2S4 XT6	689X90 (86) 7965-1 (85)
C17	8	120	22.8	83	14	5	108	148	278	72	.0	89	7.55	7262	(105.H5) X 155)F2S4 XT6	4247X48 (86) 7835-1 (85)
C17	9	122	19.7	96	3	2	105	137	275	70	.3	120	7.66	7374	(105.5)X(155.504)F2S4XT6	747X48 (86) 8021-1 (85)
C17	10	126	21.9	81	17	2	101	148	294	71	.3	98	7.94	7367	(105.5)X(155.504)F2S4XT6	733X34 (86) 8005-1 (85)
C17	11	140	20.8	86	11	3	103	140	274	71	.0	122	8.81	7271	(105.H5) X 155)F2S4 XT6	541X42 (86) 7846-1 (85)
C17	12	121	19.8	90	11	1	105	141	275	71	1.0	112	7.61	7377	(105.101)X(155.504) XT6	4325X26 (86) 8023-1 (85)
C17	13	106	20.2	85	14	3	102	131	273	71	.3	89	6.66	7389	(105.155)X 155)F2S4 XT6	777X78 (86) 8050-1 (85)
C17	14	105	20.6	73	13	14	105	134	273	71	.7	74	6.56	7250	P105F6S1.H5F6S1)F2S4 XT6	499X 0 (86) 7820-1 (85)
C17	15	117	20.4	81	17	1	110	128	267	72	.0	97	7.37	7300	155 X (304.101))F2S4 XT6	4109X10 (86) 7890-1 (85)
C17	16	131	20.6	102	-2	0	94	134	264	71	.0	129	8.23	7273	(105.H5) X 155)F2S4 XT6	545X46 (86) 7848-1 (85)
C17	17	127	19.7	85	10	5	110	148	286	70	.0	114	7.98	7349	(105.H5) X 101)F2S4 XT6	4309X10 (86) 7968-3 (85)
C17	18	118	21.3	82	6	13	103	142	273	72	.0	94	7.44	7260	(105.H5) X 155)F2S4 XT6	519X20 (86) 7833-1 (85)
C17	19	115	19.5	94	5	0	107	139	268	72	.0	114	7.23	7381	(105.155)X(304.504) XT6	4331X32 (86) 8037-1 (85)
C17	20	128	20.3	93	8	0	104	146	276	71	.0	120	8.06	7296	(105.H5) X 155)F2S4 XT6	4267X68 (86) 7873-1 (85)
C17	21	107	20.6	76	16	8	107	134	263	72	.0	80	6.74	7315	(105.306) X 155)F2S4 XT6	4291X92 (86) 7915-1 (85)
C17	22	122	18.9	91	7	2	106	145	294	70	1.0	119	7.67	7342	(105.H5) X 101)F2S4 XT6	4307X08 (86) 7962-2 (85)
C17	23	124	19.9	98	-1	4	109	143	272	72	.3	121	7.76	7278	(105.H5) X 155)F2S4 XT6	4255X56 (86) 7861-2 (85)
C17	24	110	21.2	80	15	5	105	141	274	73	.3	83	6.88	7354	(105.306) X 101)F2S4 XT6	707X 8 (86) 7973-2 (85)
C17	25	126	20.5	91	5	4	101	133	271	70	.7	114	7.91	7357	105 X (304.504))F2S4 XT6	713X14 (86) 7989-1 (85)
C17	26	112	20.1	97	1	1	101	93	221	70	.3	110	7.04	7329	(105.155) X H5)F2S4 XT6	657X58 (86) 7934-1 (85)
C17	27	98	19.4	83	10	7	103	148	292	71	.3	84	6.16	7341	(105.H5) X 101)F2S4 XT6	681X82 (86) 7962-1 (85)
C17	28	139	21.5	82	9	8	106	135	266	73	.0	113	8.72	902	PIONEER 3165	REC. 1987
C17	29	140	18.9	98	2	0	106	131	266	72	.0	144	8.78	909	DEKALB 689	REC. 1986
C17	30	139	18.2	97	0	3	105	127	260	69	.0	144	8.75	901	B73HT X MO17HT	REC. 1987
		121	20.3	87	9	4	105	137	274	71	.2	106	7.62		EXPERIMENT MEANS	
		16	.7	18	14	8	7	9	14	1	.7	30	1.03		LSD .05 (ENTRY x REP)	
		22	.9	24	19	11	9	12	18	1	.9	41	1.38		LSD .01 (ENTRY x REP)	
		8	2.0	12	93	120	4	4	3	1	163	17	8.		C. V. % (ENTRY x REP)	
		105	112.	127	139	90	101	109	113	101	92	111	105.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 49. Experiment L17 Lewiston, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L17	1	98	21.1	76	15	10	100	133	266	76	.7	68	6.14	7348	(105.H5) X 101)F2S4 XT6	695X96 (86) 7968-2 (85)
L17	2	134	22.1	87	4	10	102	122	265	75	.7	110	8.42	7272	(105.H5) X 155)F2S4 XT6	543X44 (86) 7846-2 (85)
L17	3	110	23.6	75	20	5	98	140	292	77	1.0	67	6.94	7371	(105.5)X(155.504)F2S4XT6	741X42 (86) 8007-1 (85)
L17	4	113	21.0	78	17	6	102	130	258	73	1.0	85	7.09	7336	(105.H5) X 101)F2S4 XT6	671X72 (86) 7952-1 (85)
L17	5	111	22.3	87	2	11	109	117	234	76	.0	86	6.94	7326	155 X (105.306))F2S4 XT6	4303X04 (86) 7928-1 (85)
L17	6	115	21.6	91	6	2	105	128	275	76	1.3	98	7.21	7332	(105.H5) X 101)F2S4 XT6	663X64 (86) 7948-1 (85)
L17	7	85	20.1	66	10	25	98	140	275	74	.3	50	5.35	7345	(105.H5) X 101)F2S4 XT6	689X90 (86) 7965-1 (85)
L17	8	105	23.1	90	7	2	106	135	282	78	.7	80	6.59	7262	(105.H5) X 155)F2S4 XT6	4247X48 (86) 7835-1 (85)
L17	9	103	22.3	89	7	4	103	133	257	74	.7	80	6.44	7374	(105.5)X(155.504)F2S4XT6	747X48 (86) 8021-1 (85)
L17	10	118	23.1	81	18	2	95	132	276	76	.0	83	7.40	7367	(105.5)X(155.504)F2S4XT6	733X34 (86) 8005-1 (85)
L17	11	133	21.9	92	3	4	94	131	273	74	.3	116	8.38	7271	(105.H5) X 155)F2S4 XT6	541X42 (86) 7846-1 (85)
L17	12	119	21.0	79	18	3	105	142	277	75	.7	93	7.48	7377	(105.101)X(155.504) XT6	4325X26 (86) 8023-1 (85)
L17	13	101	21.5	90	9	2	103	118	254	76	.3	83	6.33	7389	(105.155)X 155)F2S4 XT6	777X78 (86) 8050-1 (85)
L17	14	82	21.8	73	19	8	104	128	265	75	1.0	47	5.17	7250	P105F6S1.H5F6S1)F2S4 XT6	499X 0 (86) 7820-1 (85)
L17	15	103	22.1	76	22	2	108	126	253	74	.0	69	6.49	7300	155 X (304.101))F2S4 XT6	4109X10 (86) 7890-1 (85)
L17	16	112	22.3	95	3	2	96	128	265	74	.0	97	7.04	7273	(105.H5) X 155)F2S4 XT6	545X46 (86) 7848-1 (85)
L17	17	114	20.9	79	19	2	103	125	283	74	.0	89	7.14	7349	(105.H5) X 101)F2S4 XT6	4309X10 (86) 7968-3 (85)
L17	18	91	22.7	61	13	25	105	138	266	76	.0	39	5.72	7260	(105.H5) X 155)F2S4 XT6	519X20 (86) 7833-1 (85)
L17	19	110	22.2	76	20	4	103	120	277	76	.0	75	6.91	7381	(105.155)X(304.504) XT6	4331X32 (86) 8037-1 (85)
L17	20	136	21.3	91	4	5	102	118	266	74	.3	119	8.52	7296	(105.H5) X 155)F2S4 XT6	4267X68 (86) 7873-1 (85)
L17	21	96	22.9	83	10	6	100	125	269	77	.0	65	6.02	7315	(105.306) X 155)F2S4 XT6	4291X92 (86) 7915-1 (85)
L17	22	118	20.6	84	11	5	103	132	286	74	1.7	99	7.44	7342	(105.H5) X 101)F2S4 XT6	4307X08 (86) 7962-2 (85)
L17	23	103	21.2	89	6	5	105	138	272	77	.3	87	6.50	7278	(105.H5) X 155)F2S4 XT6	4255X56 (86) 7861-2 (85)
L17	24	104	22.9	81	4	15	105	125	265	76	.7	70	6.51	7354	(105.306) X 101)F2S4 XT6	707X 8 (86) 7973-2 (85)
L17	25	119	21.7	93	3	3	98	123	260	73	.7	104	7.46	7357	105 X (304.504))F2S4 XT6	713X14 (86) 7989-1 (85)
L17	26	104	21.5	91	7	2	93	106	218	74	-.3	87	6.53	7329	(105.155) X H5)F2S4 XT6	657X58 (86) 7934-1 (85)
L17	27	90	20.7	79	19	3	96	133	289	75	1.3	65	5.64	7341	(105.H5) X 101)F2S4 XT6	681X82 (86) 7962-1 (85)
L17	28	128	22.1	79	20	1	108	127	262	77	.0	97	8.06	902	PIONEER 3165	REC. 1987
L17	29	133	20.1	94	2	4	106	122	275	76	.0	126	8.35	909	DEKALB 689	REC. 1986
L17	30	128	20.7	94	0	6	107	115	257	72	.0	118	8.02	901	B73HT X MO17HT	REC. 1987
		111	21.7	83	11	6	102	128	267	75	.4	85	6.94		EXPERIMENT MEANS	
		22	1.7	16	16	8	8	16	19	2	1.1	34	1.40		LSD .05 (ENTRY x REP)	
		30	2.3	22	21	10	11	22	25	2	1.4	45	1.87		LSD .01 (ENTRY x REP)	
		12	4.9	12	91	76	5	8	4	1	148	24	12.		C. V. % (ENTRY x REP)	
		97	99.	101	100	99	94	100	113	104	98	98	97.		R. E % (LATTICE)	

T 6 =B73Ht x Mo17Ht

Table 50. Experiment P17 Plymouth, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P17	1	128	21.0	96	0	4	101	150	268	74	.6	119	8.04	7348	(105.H5) X 101)F2S4 XT6 695X96 (86)	7968-2 (85)
P17	2	133	21.6	99	0	1	103	138	252	73	.7	124	8.35	7272	(105.H5) X 155)F2S4 XT6 543X44 (86)	7846-2 (85)
P17	3	127	23.3	97	0	3	103	148	267	75	.7	107	7.96	7371	(105.5)X(155.504)F2S4XT6 741X42 (86)	8007-1 (85)
P17	4	115	20.7	98	0	2	105	153	265	75	.6	109	7.23	7336	(105.H5) X 101)F2S4 XT6 671X72 (86)	7952-1 (85)
P17	5	109	22.8	94	0	6	108	145	261	76	.3	89	6.87	7326	155 X (105.306))F2S4 XT6 4303X04 (86)	7928-1 (85)
P17	6	126	20.8	98	0	2	105	148	263	75	1.0	120	7.89	7332	(105.H5) X 101)F2S4 XT6 663X64 (86)	7948-1 (85)
P17	7	124	19.9	92	0	8	103	158	267	73	.3	117	7.79	7345	(105.H5) X 101)F2S4 XT6 689X90 (86)	7965-1 (85)
P17	8	118	23.5	98	0	2	108	155	262	76	1.0	98	7.41	7262	(105.H5) X 155)F2S4 XT6 4247X48 (86)	7835-1 (85)
P17	9	114	21.1	99	0	1	101	135	255	74	1.0	108	7.16	7374	(105.5)X(155.504)F2S4XT6 747X48 (86)	8021-1 (85)
P17	10	131	23.2	97	0	3	104	145	268	76	.0	112	8.24	7367	(105.5)X(155.504)F2S4XT6 733X34 (86)	8005-1 (85)
P17	11	128	21.8	97	0	3	108	148	260	75	.1	115	8.02	7271	(105.H5) X 155)F2S4 XT6 541X42 (86)	7846-1 (85)
P17	12	114	20.5	97	0	3	104	145	264	75	1.0	108	7.14	7377	(105.101)X(155.504) XT6 4325X26 (86)	8023-1 (85)
P17	13	102	21.0	98	0	2	99	145	251	75	1.0	96	6.44	7389	(105.155)X 155)F2S4 XT6 777X78 (86)	8050-1 (85)
P17	14	116	21.1	88	4	8	99	147	261	74	1.0	98	7.25	7250	P105F6S1.H5F6S1)F2S4 XT6 499X 0 (86)	7820-1 (85)
P17	15	122	20.9	95	0	5	110	137	252	73	.3	112	7.69	7300	155 X (304.101))F2S4 XT6 4109X10 (86)	7890-1 (85)
P17	16	117	21.9	100	0	0	88	142	253	73	.6	107	7.34	7273	(105.H5) X 155)F2S4 XT6 545X46 (86)	7848-1 (85)
P17	17	120	21.0	98	0	2	102	152	265	74	.3	112	7.52	7349	(105.H5) X 101)F2S4 XT6 4309X10 (86)	7968-3 (85)
P17	18	116	22.1	96	0	4	107	147	256	76	.7	101	7.26	7260	(105.H5) X 155)F2S4 XT6 519X20 (86)	7833-1 (85)
P17	19	120	20.2	100	0	0	107	155	261	76	.3	119	7.54	7381	(105.155)X(304.504) XT6 4331X32 (86)	8037-1 (85)
P17	20	121	21.7	99	0	1	104	150	263	75	1.0	111	7.59	7296	(105.H5) X 155)F2S4 XT6 4267X68 (86)	7873-1 (85)
P17	21	107	21.8	97	0	3	108	145	259	76	1.0	95	6.71	7315	(105.306) X 155)F2S4 XT6 4291X92 (86)	7915-1 (85)
P17	22	130	21.1	99	1	0	105	150	264	75	1.0	124	8.17	7342	(105.H5) X 101)F2S4 XT6 4307X08 (86)	7962-2 (85)
P17	23	120	20.6	98	0	2	104	153	264	76	.3	115	7.55	7278	(105.H5) X 155)F2S4 XT6 4255X56 (86)	7861-2 (85)
P17	24	114	21.3	90	1	9	108	150	256	76	.6	97	7.14	7354	(105.306) X 101)F2S4 XT6 707X 8 (86)	7973-2 (85)
P17	25	111	21.4	96	0	4	98	140	258	76	.3	100	6.97	7357	105 X (304.504))F2S4 XT6 713X14 (86)	7989-1 (85)
P17	26	100	21.4	100	0	0	94	123	211	72	.7	93	6.27	7329	(105.155) X H5)F2S4 XT6 657X58 (86)	7934-1 (85)
P17	27	130	19.6	99	0	1	107	157	270	75	1.0	132	8.18	7341	(105.H5) X 101)F2S4 XT6 681X82 (86)	7962-1 (85)
P17	28	138	22.9	99	0	1	108	137	257	76	.7	123	8.65	902	PIONEER 3165	REC. 1987
P17	29	124	19.7	94	0	6	108	143	254	75	.7	119	7.76	909	DEKALB 689	REC. 1986
P17	30	134	19.4	97	0	3	103	143	251	71	.3	134	8.42	901	B73HT X MO17HT	REC. 1987
		120	21.3	97	0	3	104	146	259	75	.6	110	7.55		EXPERIMENT MEANS	
		13	.7	6	2	5	7	11	8	2	.8	15	.81		LSD .05 (ENTRY x REP)	
		17	.9	7	3	7	9	15	11	2	1.1	21	1.08		LSD .01 (ENTRY x REP)	
		7	2.0	4	719	106	4	5	2	1	78	9	7.		C. V. % (ENTRY x REP)	
		96	96.	96	95	99	94	94	107	102	101	89	96.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 51. Experiment 18 Analysis over locations and years for Trophy (Cycle 2) x (B73ht x Mo17ht) set 2, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
18	1	111	19.6	95	3	3	98	130	248	72	.1	108	6.97	7286	(105.H5) X 155)F2S4	XT6	571X72 (86) 7863-3	(85)
18	2	122	19.4	91	4	6	102	132	265	72	.7	115	7.62	7365	105 X (304.101))F2S4	XT6	729X30 (86) 8001-1	(85)
18	3	97	19.0	95	0	5	98	95	225	68	.6	98	6.11	7383	(105.H5)X(304.504)	XT6	765X66 (86) 8041-1	(85)
18	4	117	19.9	92	4	4	102	135	260	73	.0	110	7.37	7319	(105.306) X 155)F2S4	XT6	4299X00 (86) 7922-1	(85)
18	5	104	19.6	92	2	6	97	129	249	72	.2	98	6.54	7267	(105.H5) X 155)F2S4	XT6	533X34 (86) 7839-3	(85)
18	6	114	19.0	96	2	2	93	127	262	72	1.0	116	7.18	7343	(105.H5) X 101)F2S4	XT6	685X86 (86) 7963-1	(85)
18	7	99	21.7	78	8	14	104	133	257	74	.4	68	6.21	7312	155 X (304.101))F2S4	XT6	4289X90 (86) 7910-1	(85)
18	8	116	19.4	95	2	4	95	127	260	72	.8	113	7.30	7334	(105.H5) X 101)F2S4	XT6	667X68 (86) 7948-3	(85)
18	9	119	19.7	92	2	6	101	136	264	73	.1	113	7.48	7297	(105.H5) X 155)F2S4	XT6	593X94 (86) 7874-1	(85)
18	10	112	19.7	91	2	7	98	130	250	72	.1	104	7.01	7294	(105.H5) X 155)F2S4	XT6	587X88 (86) 7872-2	(85)
18	11	113	19.4	93	4	3	101	127	251	72	.3	109	7.09	7282	(105.H5) X 155)F2S4	XT6	563X64 (86) 7862-3	(85)
18	12	103	19.3	80	1	19	107	123	247	73	.3	87	6.47	7304	155 X (304.101))F2S4	XT6	4275X76 (86) 7893-1	(85)
18	13	114	19.6	94	1	5	100	123	243	71	.7	110	7.16	7391	(105.155)X 155)F2S4	XT6	781X82 (86) 8051-1	(85)
18	14	110	20.8	98	1	1	103	132	259	74	.7	104	6.89	7311	155 X (304.101))F2S4	XT6	4287X88 (86) 7908-3	(85)
18	15	120	19.8	95	2	4	104	130	255	72	.3	116	7.50	7288	(105.H5) X 155)F2S4	XT6	4257X58 (86) 7865-1	(85)
18	16	100	18.9	92	2	7	103	130	253	74	.2	97	6.26	7317	(105.306) X 155)F2S4	XT6	4295X96 (86) 7917-1	(85)
18	17	111	18.9	88	4	8	99	128	257	73	1.0	105	6.97	7251	105F6S2.101F6S1)F2S4	XT6	501X 2 (86) 7821-1	(85)
18	18	119	19.7	96	1	4	107	129	253	74	.6	116	7.47	7373	(105.5)X(155.504)F2S4	XT6	4323X24 (86) 8020-2	(85)
18	19	110	19.7	95	2	3	99	129	254	73	.1	106	6.89	7264	(105.H5) X 155)F2S4	XT6	527X28 (86) 7838-2	(85)
18	20	130	19.6	94	1	5	103	136	262	73	-.2	126	8.14	7299	(105.H5) X 155)F2S4	XT6	4269X70 (86) 7876-1	(85)
18	21	118	19.1	95	2	5	99	134	257	73	.3	116	7.38	7280	(105.H5) X 155)F2S4	XT6	559X60 (86) 7862-1	(85)
18	22	114	21.4	96	3	1	105	138	264	74	1.3	103	7.16	7310	155 X (304.101))F2S4	XT6	4285X86 (86) 7908-2	(85)
18	23	114	20.4	90	2	7	104	134	261	73	.5	103	7.18	7254	(304.504) X 155)FXS4	XT6	4243X44 (86) 7824-3	(85)
18	24	111	21.1	84	7	9	104	123	246	73	.4	90	6.98	7378	(105.155)X(304.504)	XT6	4327X28 (86) 8035-1	(85)
18	25	115	20.4	93	3	5	103	133	259	74	.3	105	7.19	7248	105F6S1.155F6S1)F2S4	XT6	4235X36 (86) 7811-1	(85)
18	26	115	20.1	98	1	1	98	122	243	73	1.2	113	7.23	7386	(105.H5)X(304.504)	XT6	771X72 (86) 8047-1	(85)
18	27	120	20.9	87	5	9	105	135	259	73	.2	102	7.54	7253	(304.504) X 155)FXS4	XT6	4241X42 (86) 7824-2	(85)
18	28	134	20.7	93	4	4	105	121	244	74	-.1	123	8.41	902	PIONEER 3165		REC. 1987	
18	29	134	18.8	97	1	3	103	121	242	73	-.2	137	8.44	909	DEKALB 689		REC. 1986	
18	30	121	18.1	95	0	5	102	114	237	69	.8	125	7.59	901	B73HT X MO17HT		REC. 1987	
		115	19.8	92	2	5	101	128	253	73	.4	108	7.19		EXPERIMENT MEANS			
		10	.7	10	8	4	6	10	15	2	.7	18	.78		LSD .05 (ENTRY x ENV)			
		12	1.0	13	11	5	8	13	20	2	.9	24	1.03		LSD .01 (ENTRY x ENV)			
		7	3.	6	125	75	4	5	3	1	120	11	7.		C. V. % (ENTRY x ENV)			

T 6 = B73Ht x Mo17Ht

Table 52. Experiment 18 Analysis over locations for Trophy (Cycle 2) x (B73ht x Mo17ht) set 2, 1988
Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
18	1	119	20.9	93	5	2	102	142	266	74	.1	107	7.43	7286	(105.H5) X 155)F2S4 XT6	571X72 (86) 7863-3 (85)
18	2	129	20.7	89	6	5	104	141	275	73	.8	115	8.11	7365	105 X (304.101))F2S4 XT6	729X30 (86) 8001-1 (85)
18	3	101	19.7	95	0	5	101	105	247	70	.4	98	6.37	7383	(105.H5)X(304.504) XT6	765X66 (86) 8041-1 (85)
18	4	121	21.3	92	5	3	103	146	271	76	.1	107	7.60	7319	(105.306) X 155)F2S4 XT6	4299X00 (86) 7922-1 (85)
18	5	110	21.0	92	3	5	97	139	262	75	.5	96	6.90	7267	(105.H5) X 155)F2S4 XT6	533X34 (86) 7839-3 (85)
18	6	119	19.9	94	4	2	99	137	279	74	.9	113	7.49	7343	(105.H5) X 101)F2S4 XT6	685X86 (86) 7963-1 (85)
18	7	101	22.6	74	13	13	106	145	266	76	.8	61	6.31	7312	155 X (304.101))F2S4 XT6	4289X90 (86) 7910-1 (85)
18	8	125	20.5	95	3	2	100	134	271	74	.7	116	7.82	7334	(105.H5) X 101)F2S4 XT6	667X68 (86) 7948-3 (85)
18	9	129	21.0	92	3	5	104	145	276	75	.1	116	8.06	7297	(105.H5) X 155)F2S4 XT6	593X94 (86) 7874-1 (85)
18	10	118	21.1	92	5	4	101	141	263	73	.4	104	7.39	7294	(105.H5) X 155)F2S4 XT6	587X88 (86) 7872-2 (85)
18	11	119	21.0	90	8	2	103	138	265	75	.2	104	7.49	7282	(105.H5) X 155)F2S4 XT6	563X64 (86) 7862-3 (85)
18	12	120	20.6	90	1	9	108	132	257	74	.2	106	7.52	7304	155 X (304.101))F2S4 XT6	4275X76 (86) 7893-1 (85)
18	13	114	20.6	94	2	4	102	132	256	73	.5	104	7.15	7391	(105.155)X 155)F2S4 XT6	781X82 (86) 8051-1 (85)
18	14	114	21.9	98	1	1	103	138	270	75	.9	103	7.14	7311	155 X (304.101))F2S4 XT6	4287X88 (86) 7908-3 (85)
18	15	125	21.4	93	3	4	106	142	263	75	.2	111	7.84	7288	(105.H5) X 155)F2S4 XT6	4257X58 (86) 7865-1 (85)
18	16	106	20.1	95	3	2	103	142	269	76	.2	100	6.63	7317	(105.306) X 155)F2S4 XT6	4295X96 (86) 7917-1 (85)
18	17	119	20.1	91	6	3	103	141	270	75	.8	109	7.46	7251	105F6S2.101F6S1)F2S4 XT6	501X 2 (86) 7821-1 (85)
18	18	116	20.6	96	1	3	106	140	267	75	.5	109	7.30	7373	(105.5)X(155.504)F2S4XT6	4323X24 (86) 8020-2 (85)
18	19	117	21.0	96	3	2	99	139	265	74	.2	108	7.35	7264	(105.H5) X 155)F2S4 XT6	527X28 (86) 7838-2 (85)
18	20	139	21.0	95	2	3	104	145	275	75	.0	129	8.74	7299	(105.H5) X 155)F2S4 XT6	4269X70 (86) 7876-1 (85)
18	21	122	20.4	96	2	2	102	144	268	75	.2	116	7.68	7280	(105.H5) X 155)F2S4 XT6	559X60 (86) 7862-1 (85)
18	22	121	22.3	93	6	1	105	147	275	76	1.0	103	7.60	7310	155 X (304.101))F2S4 XT6	4285X86 (86) 7908-2 (85)
18	23	119	22.0	90	4	6	107	144	273	75	.5	99	7.48	7254	(304.504) X 155)FXS4 XT6	4243X44 (86) 7824-3 (85)
18	24	118	22.4	86	11	4	105	131	254	75	.5	92	7.41	7378	(105.155)X(304.504) XT6	4327X28 (86) 8035-1 (85)
18	25	118	21.9	95	3	2	104	141	272	75	.4	102	7.40	7248	105F6S1.155F6S1)F2S4 XT6	4235X36 (86) 7811-1 (85)
18	26	126	21.9	99	1	0	100	130	253	75	.9	115	7.91	7386	(105.H5)X(304.504) XT6	771X72 (86) 8047-1 (85)
18	27	128	22.4	89	8	3	107	145	270	76	.2	105	8.03	7253	(304.504) X 155)FXS4 XT6	4241X42 (86) 7824-2 (85)
18	28	132	21.8	92	6	2	107	131	257	76	.2	114	8.28	902	PIONEER 3165	REC. 1987
18	29	141	20.1	98	1	1	107	131	257	75	.1	139	8.88	909	DEKALB 689	REC. 1986
18	30	125	19.4	96	0	4	104	125	249	71	.1	123	7.83	901	B73HT X MO17HT	REC. 1987
		120	21.1	93	4	3	103	138	265	75	.4	108	7.55		EXPERIMENT MEANS	
		13	.8	10	8	3	6	10	15	2	.7	18	.78		LSD .05 (ENTRY x ENV)	
		17	1.1	13	11	4	8	13	20	2	.9	24	1.03		LSD .01 (ENTRY x ENV)	
		6	2.	6	102	72	3	5	3	1	78	9	5.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 53. Experiment C18 Clayton, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) EAR	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C18	1	129	20.3	98	2	0	104	142	276	71	.0	126	8.08	7286	(105.H5) X 155)F2S4 XT6	571X72 (86) 7863-3 (85)
C18	2	142	20.2	94	6	0	106	145	282	71	.4	135	8.91	7365	105 X (304.101))F2S4 XT6	729X30 (86) 8001-1 (85)
C18	3	110	18.9	98	0	2	97	88	242	67	.7	114	6.90	7383	(105.H5)X(304.504) XT6	765X66 (86) 8041-1 (85)
C18	4	130	20.3	94	5	1	106	150	276	72	-.1	123	8.15	7319	(105.306) X 155)F2S4 XT6	4299X00 (86) 7922-1 (85)
C18	5	122	20.8	96	2	2	97	148	278	71	.3	114	7.68	7267	(105.H5) X 155)F2S4 XT6	533X34 (86) 7839-3 (85)
C18	6	122	19.1	97	3	0	100	142	292	71	.3	123	7.69	7343	(105.H5) X 101)F2S4 XT6	685X86 (86) 7963-1 (85)
C18	7	105	22.3	75	18	7	109	147	279	73	.0	68	6.56	7312	155 X (304.101))F2S4 XT6	4289X90 (86) 7910-1 (85)
C18	8	127	19.6	96	4	0	100	136	279	71	.6	125	7.96	7334	(105.H5) X 101)F2S4 XT6	667X68 (86) 7948-3 (85)
C18	9	134	19.8	95	4	1	107	150	290	72	.4	129	8.40	7297	(105.H5) X 155)F2S4 XT6	593X94 (86) 7874-1 (85)
C18	10	138	20.4	100	0	0	105	135	268	70	.3	136	8.66	7294	(105.H5) X 155)F2S4 XT6	587X88 (86) 7872-2 (85)
C18	11	127	20.0	90	8	2	108	135	272	71	.1	116	7.95	7282	(105.H5) X 155)F2S4 XT6	563X64 (86) 7862-3 (85)
C18	12	146	20.3	96	0	4	110	130	269	71	.4	140	9.16	7304	155 X (304.101))F2S4 XT6	4275X76 (86) 7893-1 (85)
C18	13	126	20.1	100	0	0	104	133	263	70	.5	125	7.89	7391	(105.155)X 155)F2S4 XT6	781X82 (86) 8051-1 (85)
C18	14	120	20.6	98	2	0	104	142	285	72	.4	115	7.52	7311	155 X (304.101))F2S4 XT6	4287X88 (86) 7908-3 (85)
C18	15	134	20.8	96	0	4	108	143	279	71	.3	127	8.44	7288	(105.H5) X 155)F2S4 XT6	4257X58 (86) 7865-1 (85)
C18	16	103	19.6	99	1	1	106	140	272	73	-.1	104	6.47	7317	(105.306) X 155)F2S4 XT6	4295X96 (86) 7917-1 (85)
C18	17	128	19.5	90	8	2	102	133	275	71	.0	120	8.06	7251	105F6S2.101F6S1)F2S4 XT6	501X 2 (86) 7821-1 (85)
C18	18	124	20.1	100	0	0	106	136	277	72	.4	124	7.79	7373	(105.5)X(155.504)F2S4XT6	4323X24 (86) 8020-2 (85)
C18	19	125	20.7	96	4	0	106	141	280	71	.0	117	7.83	7264	(105.H5) X 155)F2S4 XT6	527X28 (86) 7838-2 (85)
C18	20	144	20.4	95	3	1	106	147	285	72	.1	137	9.02	7299	(105.H5) X 155)F2S4 XT6	4269X70 (86) 7876-1 (85)
C18	21	127	19.7	96	4	0	100	144	277	71	.4	124	7.98	7280	(105.H5) X 155)F2S4 XT6	559X60 (86) 7862-1 (85)
C18	22	130	21.5	90	10	0	105	148	283	73	.0	112	8.14	7310	155 X (304.101))F2S4 XT6	4285X86 (86) 7908-2 (85)
C18	23	131	21.1	95	2	3	109	147	282	72	.6	121	8.24	7254	(304.504) X 155)FXS4 XT6	4243X44 (86) 7824-3 (85)
C18	24	128	21.7	97	2	2	107	124	253	72	.3	116	8.03	7378	(105.155)X(304.504) XT6	4327X28 (86) 8035-1 (85)
C18	25	129	21.2	94	6	0	105	148	281	73	.1	117	8.11	7248	105F6S1.155F6S1)F2S4 XT6	4235X36 (86) 7811-1 (85)
C18	26	131	21.1	100	0	0	97	128	261	71	1.0	125	8.22	7386	(105.H5)X(304.504) XT6	771X72 (86) 8047-1 (85)
C18	27	139	21.2	92	7	1	110	150	287	73	.0	125	8.72	7253	(304.504) X 155)FXS4 XT6	4241X42 (86) 7824-2 (85)
C18	28	146	21.5	92	7	2	106	130	265	74	.0	130	9.16	902	PIONEER 3165	REC. 1987
C18	29	150	19.1	100	0	0	107	130	265	72	.1	155	9.44	909	DEKALB 689	REC. 1986
C18	30	132	18.4	100	0	0	105	115	250	68	.4	140	8.27	901	B73HT X MO17HT	REC. 1987
		129	20.3	95	3	1	105	138	274	72	.3	123	8.11		EXPERIMENT MEANS	
		12	.7	9	8	3	5	9	14	1	.7	17	.78		LSD .05 (ENTRY x REP)	
		16	1.0	12	11	4	7	12	19	1	.9	23	1.03		LSD .01 (ENTRY x REP)	
		6	2.2	6	145	167	3	4	3	1	160	8	6.		C. V. % (ENTRY x REP)	
		91	103.	85	86	105	108	102	106	114	107	85	91.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 54. Experiment L18 Lewiston, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L18	1	108	20.7	82	14	4	98	132	266	76	.0	86	6.75	7286	(105.H5) X 155)F2S4 XT6	571X72 (86) 7863-3 (85)
L18	2	115	20.9	75	13	13	103	129	281	74	1.0	85	7.19	7365	105 X (304.101))F2S4 XT6	729X30 (86) 8001-1 (85)
L18	3	98	20.2	93	1	7	102	99	249	72	.3	89	6.15	7383	(105.H5)X(304.504) XT6	765X66 (86) 8041-1 (85)
L18	4	116	22.2	88	10	2	100	135	276	78	.3	93	7.28	7319	(105.306) X 155)F2S4 XT6	4299X00 (86) 7922-1 (85)
L18	5	100	20.0	82	8	10	93	126	253	77	1.0	81	6.26	7267	(105.H5) X 155)F2S4 XT6	533X34 (86) 7839-3 (85)
L18	6	117	20.7	86	9	6	98	122	280	75	1.3	99	7.36	7343	(105.H5) X 101)F2S4 XT6	685X86 (86) 7963-1 (85)
L18	7	90	23.5	56	22	22	103	136	260	77	1.3	28	5.65	7312	155 X (304.101))F2S4 XT6	4289X90 (86) 7910-1 (85)
L18	8	128	22.1	92	5	3	98	115	267	74	.7	108	8.01	7334	(105.H5) X 101)F2S4 XT6	667X68 (86) 7948-3 (85)
L18	9	128	22.0	84	5	11	106	134	272	77	.0	102	8.03	7297	(105.H5) X 155)F2S4 XT6	593X94 (86) 7874-1 (85)
L18	10	105	21.8	76	14	10	102	141	269	75	.3	72	6.58	7294	(105.H5) X 155)F2S4 XT6	587X88 (86) 7872-2 (85)
L18	11	112	22.0	82	15	3	102	134	267	77	.3	84	7.06	7282	(105.H5) X 155)F2S4 XT6	563X64 (86) 7862-3 (85)
L18	12	95	20.6	80	3	17	107	127	253	76	.0	72	5.99	7304	155 X (304.101))F2S4 XT6	4275X76 (86) 7893-1 (85)
L18	13	108	21.2	84	7	9	98	117	249	75	.7	86	6.79	7391	(105.155)X 155)F2S4 XT6	781X82 (86) 8051-1 (85)
L18	14	111	22.9	98	0	2	101	130	268	77	1.3	95	6.99	7311	155 X (304.101))F2S4 XT6	4287X88 (86) 7908-3 (85)
L18	15	121	21.1	87	9	4	106	135	259	77	.0	103	7.58	7288	(105.H5) X 155)F2S4 XT6	4257X58 (86) 7865-1 (85)
L18	16	109	20.7	89	7	3	102	135	273	78	.3	95	6.85	7317	(105.306) X 155)F2S4 XT6	4295X96 (86) 7917-1 (85)
L18	17	103	20.8	84	11	5	102	139	272	77	1.3	83	6.46	7251	105F6S2.101F6S1)F2S4 XT6	501X 2 (86) 7821-1 (85)
L18	18	115	20.9	89	3	8	105	136	275	76	.3	99	7.19	7373	(105.5)X(155.504)F2S4XT6	4323X24 (86) 8020-2 (85)
L18	19	112	21.0	93	4	3	98	127	259	76	.0	101	7.06	7264	(105.H5) X 155)F2S4 XT6	527X28 (86) 7838-2 (85)
L18	20	136	21.4	91	2	7	102	133	276	76	.0	121	8.57	7299	(105.H5) X 155)F2S4 XT6	4269X70 (86) 7876-1 (85)
L18	21	111	21.0	93	2	6	102	138	266	77	.3	98	6.94	7280	(105.H5) X 155)F2S4 XT6	559X60 (86) 7862-1 (85)
L18	22	124	23.5	92	7	0	104	139	275	78	1.7	98	7.78	7310	155 X (304.101))F2S4 XT6	4285X86 (86) 7908-2 (85)
L18	23	108	22.6	78	9	12	106	137	278	78	.7	73	6.77	7254	(304.504) X 155)FXS4 XT6	4243X44 (86) 7824-3 (85)
L18	24	106	22.7	64	31	6	106	127	254	78	.3	56	6.65	7378	(105.155)X(304.504) XT6	4327X28 (86) 8035-1 (85)
L18	25	114	22.4	92	3	5	103	126	278	76	.3	94	7.18	7248	105F6S1.155F6S1)F2S4 XT6	4235X36 (86) 7811-1 (85)
L18	26	121	22.4	97	3	0	96	120	250	77	1.0	106	7.60	7386	(105.H5)X(304.504) XT6	771X72 (86) 8047-1 (85)
L18	27	120	23.4	81	15	4	108	136	262	78	.0	84	7.56	7253	(304.504) X 155)FXS4 XT6	4241X42 (86) 7824-2 (85)
L18	28	122	21.5	85	12	3	105	121	250	78	.7	99	7.67	902	PIONEER 3165	REC. 1987
L18	29	137	21.1	96	3	1	105	123	257	77	.0	128	8.61	909	DEKALB 689	REC. 1986
L18	30	120	20.6	90	1	10	103	116	246	74	.0	106	7.52	901	B73HT X MO17HT	REC. 1987
		114	21.6	85	8	6	102	129	265	76	.5	91	7.14		EXPERIMENT MEANS	
		21	1.4	15	15	8	8	16	18	3	1.0	33	1.34		LSD .05 (ENTRY x REP)	
		29	1.8	19	20	10	11	21	24	3	1.4	44	1.80		LSD .01 (ENTRY x REP)	
		11	3.8	10	113	72	5	7	4	2	122	22	11.		C. V. % (ENTRY x REP)	
		103	99.	97	99	100	101	108	126	94	94	102	103.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 55. Experiment P18 Plymouth, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE			SOURCE	
P18	1	119	21.6	98	0	2	103	153	255	76	.3	109	7.45	7286	(105.H5) X 155)F2S4	XT6	571X72 (86)	7863-3	(85)
P18	2	131	20.9	98	0	2	104	148	263	75	1.0	125	8.22	7365	105 X (304.101))F2S4	XT6	729X30 (86)	8001-1	(85)
P18	3	96	19.9	95	0	5	103	127	249	71	.3	92	6.05	7383	(105.H5)X(304.504)	XT6	765X66 (86)	8041-1	(85)
P18	4	117	21.3	95	1	5	104	152	262	77	.0	105	7.37	7319	(105.306) X 155)F2S4	XT6	4299X00 (86)	7922-1	(85)
P18	5	108	22.2	97	0	3	102	142	254	76	.3	94	6.76	7267	(105.H5) X 155)F2S4	XT6	533X34 (86)	7839-3	(85)
P18	6	118	20.0	99	0	1	99	148	266	75	1.0	118	7.43	7343	(105.H5) X 101)F2S4	XT6	685X86 (86)	7963-1	(85)
P18	7	107	22.1	91	0	9	106	152	260	77	1.0	87	6.72	7312	155 X (304.101))F2S4	XT6	4289X90 (86)	7910-1	(85)
P18	8	119	19.9	97	0	3	103	152	266	76	.7	116	7.48	7334	(105.H5) X 101)F2S4	XT6	667X68 (86)	7948-3	(85)
P18	9	124	21.1	98	0	2	99	150	265	76	.0	116	7.76	7297	(105.H5) X 155)F2S4	XT6	593X94 (86)	7874-1	(85)
P18	10	110	21.2	99	0	1	97	148	252	75	.7	104	6.93	7294	(105.H5) X 155)F2S4	XT6	587X88 (86)	7872-2	(85)
P18	11	119	21.0	98	0	2	99	145	257	76	.3	112	7.46	7282	(105.H5) X 155)F2S4	XT6	563X64 (86)	7862-3	(85)
P18	12	118	20.9	94	0	6	108	140	250	76	.3	107	7.41	7304	155 X (304.101))F2S4	XT6	4275X76 (86)	7893-1	(85)
P18	13	108	20.6	97	0	3	104	145	256	74	.3	102	6.78	7391	(105.155)X 155)F2S4	XT6	781X82 (86)	8051-1	(85)
P18	14	110	22.1	99	0	1	104	143	258	77	1.0	99	6.91	7311	155 X (304.101))F2S4	XT6	4287X88 (86)	7908-3	(85)
P18	15	119	22.2	96	0	4	103	148	250	76	.3	104	7.49	7288	(105.H5) X 155)F2S4	XT6	4257X58 (86)	7865-1	(85)
P18	16	105	20.1	97	0	3	102	152	262	77	.3	101	6.57	7317	(105.306) X 155)F2S4	XT6	4295X96 (86)	7917-1	(85)
P18	17	125	20.1	98	0	2	105	150	263	76	1.0	123	7.86	7251	105F6S2.101F6S1)F2S4	XT6	501X 2 (86)	7821-1	(85)
P18	18	110	20.7	99	0	1	106	148	250	77	.7	105	6.92	7373	(105.5)X(155.504)F2S4	XT6	4323X24 (86)	8020-2	(85)
P18	19	114	21.4	98	0	2	93	148	255	76	.7	105	7.16	7264	(105.H5) X 155)F2S4	XT6	527X28 (86)	7838-2	(85)
P18	20	137	21.2	98	0	2	103	155	265	76	.0	130	8.63	7299	(105.H5) X 155)F2S4	XT6	4269X70 (86)	7876-1	(85)
P18	21	129	20.5	100	0	0	103	150	261	76	.0	127	8.13	7280	(105.H5) X 155)F2S4	XT6	559X60 (86)	7862-1	(85)
P18	22	110	21.9	98	0	2	107	155	266	77	1.3	98	6.89	7310	155 X (304.101))F2S4	XT6	4285X86 (86)	7908-2	(85)
P18	23	118	22.4	96	0	4	105	148	259	76	.3	103	7.43	7254	(304.504) X 155)FXS4	XT6	4243X44 (86)	7824-3	(85)
P18	24	120	22.8	97	0	3	103	142	255	76	1.0	103	7.56	7378	(105.155)X(304.504)	XT6	4327X28 (86)	8035-1	(85)
P18	25	110	22.1	98	0	2	103	148	257	76	.7	96	6.91	7248	105F6S1.155F6S1)F2S4	XT6	4235X36 (86)	7811-1	(85)
P18	26	126	22.3	100	0	0	107	142	248	77	.7	115	7.91	7386	(105.H5)X(304.504)	XT6	771X72 (86)	8047-1	(85)
P18	27	124	22.7	94	1	5	104	148	260	76	.7	105	7.80	7253	(304.504) X 155)FXS4	XT6	4241X42 (86)	7824-2	(85)
P18	28	128	22.3	99	0	1	109	142	255	77	.0	114	8.01	902	PIONEER 3165			REC. 1987	
P18	29	137	20.1	98	0	2	108	140	248	76	.3	135	8.60	909	DEKALB 689			REC. 1986	
P18	30	123	19.2	97	0	3	104	145	250	72	.0	123	7.71	901	B73HT X MO17HT			REC. 1987	
		118	21.2	97	0	3	103	147	257	76	.5	109	7.41		EXPERIMENT MEANS				
		11	.6	5	1	5	7	11	8	1	.7	13	.69		LSD .05 (ENTRY x REP)				
		15	.8	6	1	6	10	14	11	2	1.0	17	.92		LSD .01 (ENTRY x REP)				
		6	1.8	3	677	105	4	4	2	1	87	7	6.		C. V. % (ENTRY x REP)				
		88	118.	100	91	100	89	97	101	103	97	91	88.		R. E % (LATTICE)				

T 6 = B73Ht x Mo17Ht

Table 56. Experiment 19 Analysis over locations and years for Trophy (Cycle 2) x (B73ht x Mo17ht) set 3, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
19	1	113	19.5	91	3	6	103	122	248	73	.7	105	7.06	7352	(105.306) X 101)F2S4 XT6	4311X12 (86) 7972-1 (85)
19	2	114	19.6	92	1	7	104	132	249	72	.0	109	7.16	7290	(105.H5) X 155)F2S4 XT6	4261X62 (86) 7868-1 (85)
19	3	105	19.9	90	3	6	101	123	242	73	.8	95	6.57	7390	(105.155)X 155)F2S4 XT6	779X80 (86) 8050-2 (85)
19	4	105	20.0	93	2	6	105	114	228	72	.5	97	6.56	7393	(105.155)X 155)F2S4 XT6	785X86 (86) 8053-1 (85)
19	5	111	19.5	86	1	14	100	130	256	73	.3	99	6.95	7298	(105.H5) X 155)F2S4 XT6	595X96 (86) 7875-1 (85)
19	6	126	19.4	95	1	4	107	125	250	73	.9	124	7.93	7363	105 X (306.H5))F2S4 XT6	4117X18 (86) 7995-1 (85)
19	7	101	18.7	81	1	19	104	118	244	72	1.0	87	6.31	7306	155 X (304.101))F2S4 XT6	4279X80 (86) 7893-3 (85)
19	8	120	19.4	94	1	6	104	122	246	73	.6	116	7.51	7372	(105.5)X(155.504)F2S4XT6	4321X22 (86) 8020-1 (85)
19	9	109	20.6	93	4	4	99	123	243	72	.2	99	6.86	7268	(105.H5) X 155)F2S4 XT6	535X36 (86) 7840-1 (85)
19	10	106	20.8	88	3	9	101	122	244	73	.5	91	6.68	7324	155 X (105.306))F2S4 XT6	4301X02 (86) 7927-1 (85)
19	11	107	19.4	94	1	6	101	116	230	72	.3	104	6.72	7321	155 X (105.306))F2S4 XT6	641X42 (86) 7925-2 (85)
19	12	110	19.4	84	4	11	104	127	248	73	.2	97	6.87	7301	155 X (304.101))F2S4 XT6	4271X72 (86) 7891-1 (85)
19	13	113	20.3	96	2	2	99	122	242	73	1.4	107	7.10	7388	(105.H5)X(304.504) XT6	775X76 (86) 8047-3 (85)
19	14	100	19.3	96	1	4	100	118	238	73	.4	99	6.25	7382	(105.155)X(304.504) XT6	763X64 (86) 8038-1 (85)
19	15	113	20.1	96	1	3	99	119	243	72	.5	108	7.09	7313	(105.306) X 155)F2S4 XT6	625X26 (86) 7914-1 (85)
19	16	112	18.9	93	2	5	105	130	249	72	.3	110	7.05	7279	(105.H5) X 155)F2S4 XT6	557X58 (86) 7861-3 (85)
19	17	110	19.8	91	2	7	103	122	243	72	.2	101	6.88	7359	105 X (304.504))F2S4 XT6	4313X14 (86) 7991-1 (85)
19	18	111	20.0	93	2	5	104	120	241	71	1.1	103	6.95	7375	(105.5)X(155.504)F2S4XT6	749X50 (86) 8021-2 (85)
19	19	102	19.3	94	1	5	92	122	242	73	.6	99	6.40	7320	155 X (105.306))F2S4 XT6	639X40 (86) 7925-1 (85)
19	20	113	19.4	93	1	6	103	131	253	73	.3	109	7.12	7281	(105.H5) X 155)F2S4 XT6	561X62 (86) 7862-2 (85)
19	21	118	18.9	92	1	6	106	124	247	72	.0	115	7.38	7295	(105.H5) X 155)F2S4 XT6	589X90 (86) 7872-3 (85)
19	22	116	19.3	91	2	8	102	121	247	72	.8	110	7.26	7366	105 X (304.101))F2S4 XT6	731X32 (86) 8003-1 (85)
19	23	113	19.9	95	2	3	102	131	262	73	.9	109	7.09	7340	(105.H5) X 101)F2S4 XT6	679X80 (86) 7960-1 (85)
19	24	108	20.0	92	4	5	96	121	244	72	.5	100	6.79	7314	(105.306) X 155)F2S4 XT6	627X28 (86) 7914-2 (85)
19	25	109	20.4	85	4	10	103	122	242	74	.6	93	6.86	7379	(105.155)X(304.504) XT6	4329X30 (86) 8035-3 (85)
19	26	113	19.4	93	4	3	106	130	261	74	1.2	109	7.10	7339	(105.H5) X 101)F2S4 XT6	4115X16 (86) 7959-1 (85)
19	27	116	20.2	94	3	4	101	128	248	73	.7	109	7.27	7249	105F6S1.155F6S1)F2S4 XT6	4237X38 (86) 7811-2 (85)
19	28	134	21.0	93	3	4	104	120	241	74	-.0	122	8.39	902	PIONEER 3165	REC. 1987
19	29	123	19.2	93	1	7	103	119	239	73	.0	119	7.68	909	DEKALB 689	REC. 1986
19	30	129	18.4	98	1	2	102	114	235	69	.7	135	8.12	901	B73HT X MO17HT	REC. 1987
		113	19.7	92	2	6	102	123	245	72	.5	106	7.06		EXPERIMENT MEANS	
		10	.6	8	4	6	7	9	11	2	7.9	19	.94		LSD .05 (ENTRY x ENV)	
		14	.8	10	5	6	9	11	14	3	10.6	26	1.26		LSD .01 (ENTRY x ENV)	
		8	3.	6	111	69	3	4	3	2	91	12	8.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 57. Experiment 19 Analysis over locations for Trophy (Cycle 2) x (B73ht x Mo17ht) set 3, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
19	1	120	20.8	93	3	4	103	132	262	76	.3	107	7.50	7352	(105.306) X 101)F2S4 XT6	4311X12 (86) 7972-1 (85)
19	2	124	20.9	94	3	3	105	146	264	74	.4	114	7.77	7290	(105.H5) X 155)F2S4 XT6	4261X62 (86) 7868-1 (85)
19	3	114	20.9	88	6	6	104	135	257	75	1.1	97	7.13	7390	(105.155)X 155)F2S4 XT6	779X80 (86) 8050-2 (85)
19	4	111	21.4	95	2	3	106	123	239	74	.6	98	6.94	7393	(105.155)X 155)F2S4 XT6	785X86 (86) 8053-1 (85)
19	5	126	20.6	92	1	7	99	143	271	75	.4	115	7.93	7298	(105.H5) X 155)F2S4 XT6	595X96 (86) 7875-1 (85)
19	6	132	20.4	96	1	3	107	134	263	75	.7	126	8.28	7363	105 X (306.H5))F2S4 XT6	4117X18 (86) 7995-1 (85)
19	7	114	19.9	91	0	9	103	128	259	74	1.0	104	7.12	7306	155 X (304.101))F2S4 XT6	4279X80 (86) 7893-3 (85)
19	8	123	20.8	95	1	4	106	133	261	75	.7	114	7.72	7372	(105.5)X(155.504)F2S4XT6	4321X22 (86) 8020-1 (85)
19	9	119	22.0	92	6	2	103	136	260	74	.4	101	7.48	7268	(105.H5) X 155)F2S4 XT6	535X36 (86) 7840-1 (85)
19	10	113	22.0	87	5	7	103	130	252	75	.7	91	7.10	7324	155 X (105.306))F2S4 XT6	4301X02 (86) 7927-1 (85)
19	11	112	20.5	96	1	3	103	125	246	73	.4	106	7.06	7321	155 X (105.306))F2S4 XT6	641X42 (86) 7925-2 (85)
19	12	118	20.6	88	6	6	105	140	260	75	.1	102	7.39	7301	155 X (304.101))F2S4 XT6	4271X72 (86) 7891-1 (85)
19	13	127	21.7	95	2	2	104	133	255	75	.9	114	8.00	7388	(105.H5)X(304.504) XT6	775X76 (86) 8047-3 (85)
19	14	103	20.1	96	1	2	102	127	256	75	.6	99	6.45	7382	(105.155)X(304.504) XT6	763X64 (86) 8038-1 (85)
19	15	119	21.4	95	1	3	101	128	256	74	.4	108	7.50	7313	(105.306) X 155)F2S4 XT6	625X26 (86) 7914-1 (85)
19	16	124	20.0	94	2	4	106	146	265	74	.4	117	7.78	7279	(105.H5) X 155)F2S4 XT6	557X58 (86) 7861-3 (85)
19	17	119	20.9	91	2	6	104	130	260	74	.3	105	7.46	7359	105 X (304.504))F2S4 XT6	4313X14 (86) 7991-1 (85)
19	18	114	21.4	93	3	4	104	129	253	72	1.0	101	7.17	7375	(105.5)X(155.504)F2S4XT6	749X50 (86) 8021-2 (85)
19	19	111	20.4	97	1	3	97	133	255	74	.8	107	7.01	7320	155 X (105.306))F2S4 XT6	639X40 (86) 7925-1 (85)
19	20	123	20.8	96	1	3	102	142	265	75	.5	115	7.74	7281	(105.H5) X 155)F2S4 XT6	561X62 (86) 7862-2 (85)
19	21	123	20.0	95	1	3	106	134	262	74	.1	118	7.73	7295	(105.H5) X 155)F2S4 XT6	589X90 (86) 7872-3 (85)
19	22	123	20.2	93	3	4	105	128	262	74	1.2	115	7.73	7366	105 X (304.101))F2S4 XT6	731X32 (86) 8003-1 (85)
19	23	118	20.8	95	2	3	105	144	279	76	.4	110	7.43	7340	(105.H5) X 101)F2S4 XT6	679X80 (86) 7960-1 (85)
19	24	113	20.9	90	5	6	99	133	259	74	.3	99	7.11	7314	(105.306) X 155)F2S4 XT6	627X28 (86) 7914-2 (85)
19	25	120	21.8	89	6	4	105	131	256	76	.4	101	7.56	7379	(105.155)X(304.504) XT6	4329X30 (86) 8035-3 (85)
19	26	125	20.4	92	7	1	107	142	276	76	.6	115	7.87	7339	(105.H5) X 101)F2S4 XT6	4115X16 (86) 7959-1 (85)
19	27	118	21.3	95	3	3	103	140	263	74	.5	107	7.45	7249	105F6S1.155F6S1)F2S4 XT6	4237X38 (86) 7811-2 (85)
19	28	138	21.5	93	4	3	106	130	258	76	.3	124	8.64	902	PIONEER 3165	REC. 1987
19	29	136	20.0	97	1	2	105	129	258	76	.2	132	8.49	909	DEKALB 689	REC. 1986
19	30	134	19.6	96	2	2	103	124	251	70	.5	133	8.42	901	B73HT X MO17HT	REC. 1987
		120	20.8	93	3	4	104	134	259	74	.5	110	7.57		EXPERIMENT MEANS	
		16	.8	8	4	5	7	9	11	2	7.9	19	.94		LSD .05 (ENTRY x ENV)	
		21	1.1	10	5	6	9	11	14	3	10.6	26	1.26		LSD .01 (ENTRY x ENV)	
		6	2.	5	103	54	3	4	3	2	73	9	6.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 58. Experiment C19 Clayton, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C19	1	130	19.6	97	1	2	105	133	276	73	.0	127	8.14	7352	(105.306) X 101)F2S4 XT6 4311X12 (86)	7972-1 (85)
C19	2	135	19.4	96	2	2	108	150	291	70	.0	134	8.46	7290	(105.H5) X 155)F2S4 XT6 4261X62 (86)	7868-1 (85)
C19	3	118	20.1	86	7	7	106	142	270	72	.3	103	7.40	7390	(105.155)X 155)F2S4 XT6 779X80 (86)	8050-2 (85)
C19	4	112	20.2	98	0	2	106	120	250	70	.7	109	7.03	7393	(105.155)X 155)F2S4 XT6 785X86 (86)	8053-1 (85)
C19	5	129	19.9	94	0	7	99	148	282	72	.0	122	8.12	7298	(105.H5) X 155)F2S4 XT6 595X96 (86)	7875-1 (85)
C19	6	147	19.8	95	1	4	109	142	275	71	.7	143	9.26	7363	105 X (306.H5))F2S4 XT6 4117X18 (86)	7995-1 (85)
C19	7	119	19.4	94	0	6	103	127	269	71	.3	115	7.45	7306	155 X (304.101))F2S4 XT6 4279X80 (86)	7893-3 (85)
C19	8	129	19.8	98	0	2	107	133	272	71	.7	128	8.07	7372	(105.5)X(155.504)F2S4XT6 4321X22 (86)	8020-1 (85)
C19	9	128	21.1	98	1	1	104	142	269	71	.0	120	8.05	7268	(105.H5) X 155)F2S4 XT6 535X36 (86)	7840-1 (85)
C19	10	121	20.7	93	0	6	103	137	269	72	.0	111	7.59	7324	155 X (105.306))F2S4 XT6 4301X02 (86)	7927-1 (85)
C19	11	117	19.3	97	1	2	105	122	252	70	.0	119	7.36	7321	155 X (105.306))F2S4 XT6 641X42 (86)	7925-2 (85)
C19	12	122	20.1	94	0	6	105	138	273	71	.0	116	7.68	7301	155 X (304.101))F2S4 XT6 4271X72 (86)	7891-1 (85)
C19	13	139	20.4	99	0	1	106	137	267	72	.3	137	8.74	7388	(105.H5)X(304.504) XT6 775X76 (86)	8047-3 (85)
C19	14	102	19.1	98	0	2	103	122	261	71	.3	104	6.38	7382	(105.155)X(304.504) XT6 763X64 (86)	8038-1 (85)
C19	15	129	20.0	99	0	1	99	127	266	71	.0	127	8.11	7313	(105.306) X 155)F2S4 XT6 625X26 (86)	7914-1 (85)
C19	16	127	19.3	94	2	3	107	148	275	71	.0	124	7.96	7279	(105.H5) X 155)F2S4 XT6 557X58 (86)	7861-3 (85)
C19	17	135	20.4	94	1	6	105	130	269	70	.7	127	8.51	7359	105 X (304.504))F2S4 XT6 4313X14 (86)	7991-1 (85)
C19	18	123	19.9	93	0	7	105	130	262	67	.7	117	7.73	7375	(105.5)X(155.504)F2S4XT6 749X50 (86)	8021-2 (85)
C19	19	123	19.5	99	1	1	101	140	261	71	.7	125	7.75	7320	155 X (105.306))F2S4 XT6 639X40 (86)	7925-1 (85)
C19	20	124	19.8	97	0	3	103	147	279	72	.0	122	7.82	7281	(105.H5) X 155)F2S4 XT6 561X62 (86)	7862-2 (85)
C19	21	144	19.3	98	0	1	108	138	269	69	.3	146	9.06	7295	(105.H5) X 155)F2S4 XT6 589X90 (86)	7872-3 (85)
C19	22	141	19.2	94	1	5	107	133	275	72	.3	138	8.84	7366	105 X (304.101))F2S4 XT6 731X32 (86)	8003-1 (85)
C19	23	119	20.0	95	1	3	108	147	288	72	.0	114	7.46	7340	(105.H5) X 101)F2S4 XT6 679X80 (86)	7960-1 (85)
C19	24	123	19.9	92	3	5	100	137	270	71	.0	117	7.74	7314	(105.306) X 155)F2S4 XT6 627X28 (86)	7914-2 (85)
C19	25	135	21.0	94	2	3	111	128	265	72	.0	124	8.48	7379	(105.155)X(304.504) XT6 4329X30 (86)	8035-3 (85)
C19	26	119	19.6	100	0	0	108	148	285	73	.0	121	7.46	7339	(105.H5) X 101)F2S4 XT6 4115X16 (86)	7959-1 (85)
C19	27	130	20.2	98	0	3	103	138	273	71	.0	127	8.19	7249	105F6S1.155F6S1)F2S4 XT6 4237X38 (86)	7811-2 (85)
C19	28	151	21.0	96	3	2	105	132	270	73	.0	142	9.47	902	PIONEER 3165	REC. 1987
C19	29	148	19.4	99	0	1	106	137	266	72	.0	150	9.27	909	DEKALB 689	REC. 1986
C19	30	137	18.1	98	0	2	104	113	249	65	1.0	145	8.59	901	B73HT X MO17HT	REC. 1987
		129	19.9	96	1	3	105	136	270	71	-.3	125	8.07		EXPERIMENT MEANS	
		15	.6	7	4	5	6	8	10	1	7.9	18	.94		LSD .05 (ENTRY x REP)	
		20	.8	9	5	6	8	10	13	2	10.6	25	1.26		LSD .01 (ENTRY x REP)	
		7	1.8	4	257	89	4	4	2	1	0	9	7.		C. V. % (ENTRY x REP)	
		104	117.	101	114	96	92	98	110	92	100	100	104.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 59. Experiment L19 Lewiston, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L19	1	113	22.0	88	7	4	102	127	258	77	.5	89	7.08	7352	(105.306) X 101)F2S4 XT6	4311X12 (86) 7972-1 (85)
L19	2	117	22.4	89	6	5	102	135	245	76	.7	96	7.38	7290	(105.H5) X 155)F2S4 XT6	4261X62 (86) 7868-1 (85)
L19	3	107	21.3	83	11	6	106	127	255	75	2.0	84	6.72	7390	(105.155)X 155)F2S4 XT6	779X80 (86) 8050-2 (85)
L19	4	108	22.1	88	6	6	106	118	219	76	1.2	85	6.79	7393	(105.155)X 155)F2S4 XT6	785X86 (86) 8053-1 (85)
L19	5	116	20.9	85	3	12	98	132	268	76	.7	95	7.30	7298	(105.H5) X 155)F2S4 XT6	595X96 (86) 7875-1 (85)
L19	6	126	20.7	98	2	0	105	118	262	77	.7	120	7.93	7363	105 X (306.H5))F2S4 XT6	4117X18 (86) 7995-1 (85)
L19	7	122	19.3	92	0	8	103	124	260	75	2.1	118	7.64	7306	155 X (304.101))F2S4 XT6	4279X80 (86) 7893-3 (85)
L19	8	120	21.1	89	4	7	105	123	259	78	.7	104	7.54	7372	(105.5)X(155.504)F2S4XT6	4321X22 (86) 8020-1 (85)
L19	9	109	22.1	83	14	4	102	122	257	76	1.1	82	6.82	7268	(105.H5) X 155)F2S4 XT6	535X36 (86) 7840-1 (85)
L19	10	109	22.6	74	14	11	102	118	239	76	1.7	71	6.87	7324	155 X (105.306))F2S4 XT6	4301X02 (86) 7927-1 (85)
L19	11	115	21.4	93	2	5	100	113	238	74	.4	100	7.20	7321	155 X (105.306))F2S4 XT6	641X42 (86) 7925-2 (85)
L19	12	112	21.0	77	17	5	106	139	258	77	.3	83	7.00	7301	155 X (304.101))F2S4 XT6	4271X72 (86) 7891-1 (85)
L19	13	124	22.5	92	7	1	99	125	254	76	1.2	103	7.80	7388	(105.H5)X(304.504) XT6	775X76 (86) 8047-3 (85)
L19	14	104	21.1	92	4	4	102	119	259	76	1.5	91	6.50	7382	(105.155)X(304.504) XT6	763X64 (86) 8038-1 (85)
L19	15	116	22.2	88	4	7	105	118	250	76	.8	93	7.30	7313	(105.306) X 155)F2S4 XT6	625X26 (86) 7914-1 (85)
L19	16	124	20.3	92	4	5	105	135	262	75	.9	114	7.78	7279	(105.H5) X 155)F2S4 XT6	557X58 (86) 7861-3 (85)
L19	17	106	21.5	85	6	8	101	117	255	75	.1	83	6.64	7359	105 X (304.504))F2S4 XT6	4313X14 (86) 7991-1 (85)
L19	18	111	22.2	89	8	3	104	118	247	75	1.4	90	6.98	7375	(105.5)X(155.504)F2S4XT6	749X50 (86) 8021-2 (85)
L19	19	107	20.8	94	1	5	94	125	256	76	1.0	98	6.74	7320	155 X (105.306))F2S4 XT6	639X40 (86) 7925-1 (85)
L19	20	122	21.4	93	4	3	99	134	265	77	1.4	108	7.67	7281	(105.H5) X 155)F2S4 XT6	561X62 (86) 7862-2 (85)
L19	21	115	20.9	91	4	5	103	134	267	76	.1	102	7.24	7295	(105.H5) X 155)F2S4 XT6	589X90 (86) 7872-3 (85)
L19	22	113	20.2	88	7	4	105	111	261	75	2.4	99	7.08	7366	105 X (304.101))F2S4 XT6	731X32 (86) 8003-1 (85)
L19	23	116	21.9	92	5	4	103	137	287	78	1.0	99	7.28	7340	(105.H5) X 101)F2S4 XT6	679X80 (86) 7960-1 (85)
L19	24	106	21.2	79	11	10	101	122	259	74	.5	79	6.63	7314	(105.306) X 155)F2S4 XT6	627X28 (86) 7914-2 (85)
L19	25	100	21.8	75	17	9	97	127	254	78	.6	67	6.27	7379	(105.155)X(304.504) XT6	4329X30 (86) 8035-3 (85)
L19	26	124	20.3	80	18	2	104	133	281	78	1.0	101	7.81	7339	(105.H5) X 101)F2S4 XT6	4115X16 (86) 7959-1 (85)
L19	27	110	21.8	89	8	4	97	135	265	75	1.3	89	6.90	7249	105F6S1.155F6S1)F2S4 XT6	4237X38 (86) 7811-2 (85)
L19	28	127	21.1	84	9	6	107	125	259	78	.8	106	7.99	902	PIONEER 3165	REC. 1987
L19	29	133	20.9	94	4	2	106	120	262	78	.7	122	8.33	909	DEKALB 689	REC. 1986
L19	30	137	21.1	93	5	3	102	120	254	73	.4	125	8.62	901	B73HT X MO17HT	REC. 1987
		116	21.3	88	7	5	102	125	257	76	1.0	97	7.26		EXPERIMENT MEANS	
		21	1.4	13	12	7	7	17	21	2	1.0	30	1.30		LSD .05 (ENTRY x REP)	
		28	1.9	17	16	9	10	22	28	3	1.4	40	1.74		LSD .01 (ENTRY x REP)	
		11	4.1	9	104	75	4	8	5	2	63	19	11.		C. V. % (ENTRY x REP)	
		101	107.	100	96	106	113	100	138	83	108	100	101.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 60. Experiment P19 Plymouth, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P19	1	116	20.9	95	0	5	103	135	252	77	.3	106	7.27	7352	(105.306) X 101)F2S4 XT6	4311X12 (86) 7972-1 (85)
P19	2	119	20.9	98	0	2	105	153	257	76	.4	113	7.47	7290	(105.H5) X 155)F2S4 XT6	4261X62 (86) 7868-1 (85)
P19	3	116	21.3	96	0	4	101	137	247	77	1.0	105	7.26	7390	(105.155)X 155)F2S4 XT6	779X80 (86) 8050-2 (85)
P19	4	112	21.8	99	0	1	105	131	247	77	-.1	101	7.01	7393	(105.155)X 155)F2S4 XT6	785X86 (86) 8053-1 (85)
P19	5	133	21.0	98	0	2	101	150	263	76	.6	127	8.36	7298	(105.H5) X 155)F2S4 XT6	595X96 (86) 7875-1 (85)
P19	6	122	20.6	96	0	4	106	143	253	76	.7	115	7.65	7363	105 X (306.H5))F2S4 XT6	4117X18 (86) 7995-1 (85)
P19	7	100	21.0	86	0	14	104	134	247	76	.7	80	6.27	7306	155 X (304.101))F2S4 XT6	4279X80 (86) 7893-3 (85)
P19	8	120	21.4	98	0	3	105	144	252	77	.7	110	7.55	7372	(105.5)X(155.504)F2S4XT6	4321X22 (86) 8020-1 (85)
P19	9	121	22.8	96	2	2	104	143	253	76	.0	102	7.58	7268	(105.H5) X 155)F2S4 XT6	535X36 (86) 7840-1 (85)
P19	10	109	22.8	95	0	5	105	136	248	77	.4	90	6.85	7324	155 X (105.306))F2S4 XT6	4301X02 (86) 7927-1 (85)
P19	11	105	20.9	99	0	1	103	141	247	75	.7	100	6.61	7321	155 X (105.306))F2S4 XT6	641X42 (86) 7925-2 (85)
P19	12	119	20.7	92	0	8	105	142	250	77	.0	108	7.50	7301	155 X (304.101))F2S4 XT6	4271X72 (86) 7891-1 (85)
P19	13	119	22.2	95	0	5	106	138	245	77	1.3	103	7.45	7388	(105.H5)X(304.504) XT6	775X76 (86) 8047-3 (85)
P19	14	103	20.2	99	0	1	102	140	248	77	.0	102	6.47	7382	(105.155)X(304.504) XT6	763X64 (86) 8038-1 (85)
P19	15	113	21.9	99	0	1	99	139	253	76	.3	103	7.10	7313	(105.306) X 155)F2S4 XT6	625X26 (86) 7914-1 (85)
P19	16	121	20.5	95	0	5	106	154	258	76	.4	113	7.61	7279	(105.H5) X 155)F2S4 XT6	557X58 (86) 7861-3 (85)
P19	17	115	20.9	94	0	5	106	144	255	77	.0	106	7.22	7359	105 X (304.504))F2S4 XT6	4313X14 (86) 7991-1 (85)
P19	18	108	22.0	98	0	2	104	140	250	75	.9	96	6.81	7375	(105.5)X(155.504)F2S4XT6	749X50 (86) 8021-2 (85)
P19	19	104	20.8	97	0	3	95	133	248	76	.7	97	6.53	7320	155 X (105.306))F2S4 XT6	639X40 (86) 7925-1 (85)
P19	20	123	21.1	97	0	3	104	145	252	76	.0	115	7.73	7281	(105.H5) X 155)F2S4 XT6	561X62 (86) 7862-2 (85)
P19	21	110	19.9	96	0	4	106	131	250	76	.0	106	6.90	7295	(105.H5) X 155)F2S4 XT6	589X90 (86) 7872-3 (85)
P19	22	116	21.1	97	0	3	102	139	250	76	1.0	107	7.26	7366	105 X (304.101))F2S4 XT6	731X32 (86) 8003-1 (85)
P19	23	120	20.5	98	0	2	104	149	262	77	.1	116	7.55	7340	(105.H5) X 101)F2S4 XT6	679X80 (86) 7960-1 (85)
P19	24	111	21.5	98	0	2	97	140	248	76	.3	101	6.95	7314	(105.306) X 155)F2S4 XT6	627X28 (86) 7914-2 (85)
P19	25	126	22.7	99	0	1	107	139	248	77	.6	112	7.94	7379	(105.155)X(304.504) XT6	4329X30 (86) 8035-3 (85)
P19	26	133	21.3	97	2	2	108	144	262	78	.7	123	8.34	7339	(105.H5) X 101)F2S4 XT6	4115X16 (86) 7959-1 (85)
P19	27	115	21.9	98	0	2	108	146	250	77	.1	104	7.25	7249	105F6S1.155F6S1)F2S4 XT6	4237X38 (86) 7811-2 (85)
P19	28	135	22.5	99	0	1	106	133	245	77	.1	123	8.46	902	PIONEER 3165	REC. 1987
P19	29	126	19.8	97	0	3	103	131	245	77	.0	124	7.88	909	DEKALB 689	REC. 1986
P19	30	128	19.6	98	0	2	104	138	250	73	.0	128	8.06	901	B73HT X MO17HT	REC. 1987
		117	21.2	97	0	3	104	141	251	76	.4	108	7.36		EXPERIMENT MEANS	
		12	.7	5	1	5	8	11	6	1	.7	13	.73		LSD .05 (ENTRY x REP)	
		16	.9	6	2	6	10	15	9	1	1.0	18	.98		LSD .01 (ENTRY x REP)	
		6	1.9	3	677	92	5	5	2	1	114	8	6.		C. V. % (ENTRY x REP)	
		102	117.	99	100	100	101	106	96	123	104	106	102.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 61. Experiment 20 Analysis over locations and years for Trophy (Cycle 2) x (B73ht x Mo17ht) set 4, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
20	1	111	19.5	96	2	3	102	124	258	73	1.1	110	6.99	7344	(105.H5) X 101)F2S4 XT6 687X88 (86)	7964-1 (85)
20	2	104	19.3	87	2	11	106	128	246	73	.6	94	6.50	7323	155 X (105.306))F2S4 XT6 4113X14 (86)	7925-4 (85)
20	3	116	19.5	95	1	4	106	121	244	71	.7	114	7.31	7269	(105.H5) X 155)F2S4 XT6 537X38 (86)	7842-1 (85)
20	4	108	19.6	92	1	7	103	119	235	72	.7	102	6.77	7392	(105.155)X 155)F2S4 XT6 783X84 (86)	8051-2 (85)
20	5	115	20.4	89	3	8	105	126	255	74	.3	102	7.23	7370	(105.5)X(155.504)F2S4XT6 4319X20 (86)	8006-3 (85)
20	6	96	19.6	79	3	18	102	130	251	73	.6	76	6.04	7307	155 X (304.101))F2S4 XT6 4281X82 (86)	7896-1 (85)
20	7	103	19.6	91	2	7	104	120	238	73	.7	96	6.44	7316	(105.306) X 155)F2S4 XT6 4293X94 (86)	7916-1 (85)
20	8	111	19.1	89	2	9	106	131	250	73	.6	104	6.94	7277	(105.H5) X 155)F2S4 XT6 553X54 (86)	7861-1 (85)
20	9	119	20.5	90	5	5	97	126	256	73	.5	107	7.48	7369	(105.5)X(155.504)F2S4XT6 737X38 (86)	8006-2 (85)
20	10	120	19.6	89	2	9	104	122	249	74	.5	111	7.55	7361	105 X (304.504))F2S4 XT6 4315X16 (86)	7992-1 (85)
20	11	117	19.5	92	3	6	100	128	256	72	.5	111	7.36	7351	(105.H5) X 101)F2S4 XT6 701X 2 (86)	7969-2 (85)
20	12	110	20.6	97	2	2	104	129	254	74	1.1	103	6.89	7309	155 X (304.101))F2S4 XT6 4283X84 (86)	7908-1 (85)
20	13	107	19.5	91	1	7	100	122	244	72	.3	102	6.74	7276	(105.H5) X 155)F2S4 XT6 551X52 (86)	7858-1 (85)
20	14	109	19.9	89	3	8	104	124	244	73	.3	98	6.84	7266	(105.H5) X 155)F2S4 XT6 531X32 (86)	7839-2 (85)
20	15	101	20.3	81	9	11	98	119	247	73	.8	80	6.34	7353	(105.306) X 101)F2S4 XT6 705X 6 (86)	7973-1 (85)
20	16	112	19.6	89	2	9	103	120	243	71	.1	104	7.03	7293	(105.H5) X 155)F2S4 XT6 585X86 (86)	7872-1 (85)
20	17	112	20.3	90	3	7	104	124	245	73	.7	101	7.03	7327	155 X (105.306))F2S4 XT6 4305X06 (86)	7928-2 (85)
20	18	113	19.1	87	5	8	100	126	254	72	.5	105	7.12	7347	(105.H5) X 101)F2S4 XT6 693X94 (86)	7968-1 (85)
20	19	112	19.9	93	4	3	99	120	244	74	.4	105	7.02	7308	155 X (304.101))F2S4 XT6 615X16 (86)	7905-1 (85)
20	20	98	20.2	88	3	9	104	112	229	73	.5	85	6.17	7394	(105.155)X 155)F2S4 XT6 787X88 (86)	8053-2 (85)
20	21	122	20.0	87	3	10	103	125	246	73	.6	108	7.63	7274	(105.H5) X 155)F2S4 XT6 4253X54 (86)	7849-1 (85)
20	22	113	20.4	86	6	9	103	127	259	73	.4	97	7.08	7257	(304.504) X 155)FXS4 XT6 4245X46 (86)	7827-1 (85)
20	23	118	19.3	94	2	5	99	119	255	72	1.0	116	7.44	7333	(105.H5) X 101)F2S4 XT6 665X66 (86)	7948-2 (85)
20	24	111	19.7	93	0	8	102	120	240	72	.5	106	6.98	7285	(105.H5) X 155)F2S4 XT6 569X70 (86)	7863-2 (85)
20	25	115	19.8	96	2	2	103	119	246	73	.7	112	7.18	7270	(105.H5) X 155)F2S4 XT6 4251X52 (86)	7844-1 (85)
20	26	108	19.2	81	2	17	104	127	252	73	.5	93	6.78	7302	155 X (304.101))F2S4 XT6 4273X74 (86)	7892-1 (85)
20	27	99	19.2	92	3	6	96	115	235	70	.6	95	6.20	7328	(105.155) X H5)F2S4 XT6 655X56 (86)	7930-1 (85)
20	28	131	20.7	92	3	5	107	119	241	74	-.0	119	8.21	902	PIONEER 3165	REC. 1987
20	29	119	19.0	92	0	8	104	118	233	73	.2	117	7.48	909	DEKALB 689	REC. 1986
20	30	124	18.2	92	2	6	102	114	234	70	.5	125	7.76	901	B73HT X MO17HT	REC. 1987
		112	19.7	90	3	7	102	122	246	72	.5	103	7.02		EXPERIMENT MEANS	
		10	.6	15	12	6	8	9	15	2	.6	21	.80		LSD .05 (ENTRY x ENV)	
		13	.8	20	17	7	10	12	20	3	.8	28	1.07		LSD .01 (ENTRY x ENV)	
		8	3.	7	116	69	4	4	3	2	84	13	8.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 62. Experiment 20 Analysis over locations for Trophy (Cycle 2) x (B73ht x Mo17ht) set 4, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
20	1	120	20.4	96	3	1	102	137	273	75	.9	115	7.55	7344	(105.H5) X 101)F2S4 XT6 687X88 (86)	7964-1 (85)
20	2	112	20.4	90	4	7	106	140	260	74	.9	99	7.01	7323	155 X (105.306))F2S4 XT6 4113X14 (86)	7925-4 (85)
20	3	123	20.8	95	2	3	105	131	259	74	.5	114	7.74	7269	(105.H5) X 155)F2S4 XT6 537X38 (86)	7842-1 (85)
20	4	113	20.9	94	1	5	102	130	250	74	.5	101	7.11	7392	(105.155)X 155)F2S4 XT6 783X84 (86)	8051-2 (85)
20	5	123	22.2	89	5	5	105	137	267	75	.4	100	7.73	7370	(105.5)X(155.504)F2S4XT6 4319X20 (86)	8006-3 (85)
20	6	108	20.8	88	5	8	102	143	264	75	.4	91	6.80	7307	155 X (304.101))F2S4 XT6 4281X82 (86)	7896-1 (85)
20	7	112	20.7	94	3	2	103	132	251	75	.4	103	7.04	7316	(105.306) X 155)F2S4 XT6 4293X94 (86)	7916-1 (85)
20	8	117	20.4	92	2	5	107	146	262	75	.5	108	7.36	7277	(105.H5) X 155)F2S4 XT6 553X54 (86)	7861-1 (85)
20	9	123	22.1	88	9	4	98	138	272	76	.5	101	7.73	7369	(105.5)X(155.504)F2S4XT6 737X38 (86)	8006-2 (85)
20	10	132	20.9	93	3	4	105	134	262	75	.6	120	8.29	7361	105 X (304.504))F2S4 XT6 4315X16 (86)	7992-1 (85)
20	11	126	20.8	92	4	3	104	141	272	74	.4	115	7.92	7351	(105.H5) X 101)F2S4 XT6 701X 2 (86)	7969-2 (85)
20	12	118	21.8	97	3	1	105	143	269	76	.8	106	7.43	7309	155 X (304.101))F2S4 XT6 4283X84 (86)	7908-1 (85)
20	13	121	20.6	96	2	2	99	133	263	74	.2	116	7.61	7276	(105.H5) X 155)F2S4 XT6 551X52 (86)	7858-1 (85)
20	14	124	21.5	92	5	3	106	138	257	75	.1	108	7.79	7266	(105.H5) X 155)F2S4 XT6 531X32 (86)	7839-2 (85)
20	15	107	21.7	81	13	6	100	129	262	75	.6	77	6.69	7353	(105.306) X 101)F2S4 XT6 705X 6 (86)	7973-1 (85)
20	16	122	20.6	93	3	4	104	132	256	73	.4	113	7.65	7293	(105.H5) X 155)F2S4 XT6 585X86 (86)	7872-1 (85)
20	17	117	21.4	91	5	5	105	134	259	75	.7	100	7.33	7327	155 X (105.306))F2S4 XT6 4305X06 (86)	7928-2 (85)
20	18	125	20.6	89	7	4	106	138	268	74	.7	111	7.83	7347	(105.H5) X 101)F2S4 XT6 693X94 (86)	7968-1 (85)
20	19	111	21.3	91	7	1	97	131	255	76	.5	95	6.98	7308	155 X (304.101))F2S4 XT6 615X16 (86)	7905-1 (85)
20	20	103	21.5	91	5	4	103	121	244	75	.4	86	6.48	7394	(105.155)X 155)F2S4 XT6 787X88 (86)	8053-2 (85)
20	21	130	21.4	92	3	5	105	139	260	75	.4	115	8.16	7274	(105.H5) X 155)F2S4 XT6 4253X54 (86)	7849-1 (85)
20	22	121	21.8	88	8	4	103	138	276	75	.4	99	7.61	7257	(304.504) X 155)FXS4 XT6 4245X46 (86)	7827-1 (85)
20	23	124	20.6	94	2	4	99	130	270	74	.7	117	7.82	7333	(105.H5) X 101)F2S4 XT6 665X66 (86)	7948-2 (85)
20	24	125	20.9	97	0	3	104	132	256	74	.4	118	7.86	7285	(105.H5) X 155)F2S4 XT6 569X70 (86)	7863-2 (85)
20	25	120	21.7	95	4	2	105	128	256	75	.5	107	7.53	7270	(105.H5) X 155)F2S4 XT6 4251X52 (86)	7844-1 (85)
20	26	123	20.2	94	3	3	103	139	267	75	.4	117	7.72	7302	155 X (304.101))F2S4 XT6 4273X74 (86)	7892-1 (85)
20	27	101	20.3	95	3	2	94	125	250	72	.5	94	6.31	7328	(105.155) X H5)F2S4 XT6 655X56 (86)	7930-1 (85)
20	28	135	21.7	93	4	3	109	130	255	76	.0	119	8.50	902	PIONEER 3165	REC. 1987
20	29	128	20.2	95	0	5	106	129	248	75	.1	123	8.06	909	DEKALB 689	REC. 1986
20	30	134	19.5	94	3	3	104	126	252	71	.3	131	8.41	901	B73HT X MO17HT	REC. 1987
		120	21.0	92	4	4	103	134	260	75	.5	107	7.53		EXPERIMENT MEANS	
		14	.9	15	12	5	8	9	15	2	.6	21	.80		LSD .05 (ENTRY x ENV)	
		18	1.2	20	17	6	10	12	20	3	.8	28	1.07		LSD .01 (ENTRY x ENV)	
		6	3.	6	99	67	3	4	3	2	79	9	6.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 63. Experiment C20 Clayton, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 4, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) EAR	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C20	1	131	19.4	98	0	3	104	140	287	72	.3	132	8.22	7344	(105.H5) X 101)F2S4 XT6 687X88 (86)	7964-1 (85)
C20	2	114	19.2	87	3	10	106	145	270	71	.7	104	7.15	7323	155 X (105.306))F2S4 XT6 4113X14 (86)	7925-4 (85)
C20	3	138	20.3	102	-1	0	105	137	275	71	.4	137	8.66	7269	(105.H5) X 155)F2S4 XT6 537X38 (86)	7842-1 (85)
C20	4	123	19.9	94	2	3	106	127	257	70	.4	115	7.72	7392	(105.155)X 155)F2S4 XT6 783X84 (86)	8051-2 (85)
C20	5	138	21.4	88	10	1	105	140	282	72	.0	118	8.65	7370	(105.5)X(155.504)F2S4XT6 4319X20 (86)	8006-3 (85)
C20	6	124	20.4	92	3	5	105	147	278	72	.0	113	7.80	7307	155 X (304.101))F2S4 XT6 4281X82 (86)	7896-1 (85)
C20	7	117	19.9	98	3	0	106	135	265	73	.0	117	7.38	7316	(105.306) X 155)F2S4 XT6 4293X94 (86)	7916-1 (85)
C20	8	125	19.7	91	4	4	109	145	268	72	.0	119	7.82	7277	(105.H5) X 155)F2S4 XT6 553X54 (86)	7861-1 (85)
C20	9	136	21.5	76	17	6	98	137	283	73	.0	105	8.55	7369	(105.5)X(155.504)F2S4XT6 737X38 (86)	8006-2 (85)
C20	10	143	19.7	90	6	4	105	140	278	73	.0	133	9.00	7361	105 X (304.504))F2S4 XT6 4315X16 (86)	7992-1 (85)
C20	11	138	19.9	95	2	2	104	148	288	72	.0	133	8.65	7351	(105.H5) X 101)F2S4 XT6 701X 2 (86)	7969-2 (85)
C20	12	121	21.3	93	5	2	106	148	288	73	.1	108	7.59	7309	155 X (304.101))F2S4 XT6 4283X84 (86)	7908-1 (85)
C20	13	127	19.5	99	2	-1	100	138	275	71	.4	131	7.99	7276	(105.H5) X 155)F2S4 XT6 551X52 (86)	7858-1 (85)
C20	14	139	20.6	84	11	4	111	142	270	73	-.1	122	8.75	7266	(105.H5) X 155)F2S4 XT6 531X32 (86)	7839-2 (85)
C20	15	116	20.3	67	28	6	101	132	265	72	.0	77	7.27	7353	(105.306) X 101)F2S4 XT6 705X 6 (86)	7973-1 (85)
C20	16	137	19.4	92	5	3	105	137	268	70	.3	134	8.62	7293	(105.H5) X 155)F2S4 XT6 585X86 (86)	7872-1 (85)
C20	17	122	20.7	93	4	3	107	133	267	72	.0	110	7.68	7327	155 X (105.306))F2S4 XT6 4305X06 (86)	7928-2 (85)
C20	18	134	19.6	91	5	4	107	145	285	72	.3	128	8.43	7347	(105.H5) X 101)F2S4 XT6 693X94 (86)	7968-1 (85)
C20	19	117	20.3	82	15	2	96	137	268	73	.0	97	7.34	7308	155 X (304.101))F2S4 XT6 615X16 (86)	7905-1 (85)
C20	20	114	20.7	90	7	3	106	120	252	72	.4	98	7.16	7394	(105.155)X 155)F2S4 XT6 787X88 (86)	8053-2 (85)
C20	21	144	20.3	89	5	5	108	137	268	71	.3	130	9.02	7274	(105.H5) X 155)F2S4 XT6 4253X54 (86)	7849-1 (85)
C20	22	118	21.6	82	16	2	106	143	285	73	.0	91	7.43	7257	(304.504) X 155)FXS4 XT6 4245X46 (86)	7827-1 (85)
C20	23	131	19.7	97	3	0	100	128	280	72	.3	132	8.25	7333	(105.H5) X 101)F2S4 XT6 665X66 (86)	7948-2 (85)
C20	24	138	20.0	99	-1	3	105	135	263	71	.3	138	8.69	7285	(105.H5) X 155)F2S4 XT6 569X70 (86)	7863-2 (85)
C20	25	126	21.1	95	6	0	107	132	268	72	.4	118	7.88	7270	(105.H5) X 155)F2S4 XT6 4251X52 (86)	7844-1 (85)
C20	26	138	20.0	97	1	2	101	147	282	72	.0	136	8.68	7302	155 X (304.101))F2S4 XT6 4273X74 (86)	7892-1 (85)
C20	27	112	19.5	101	0	0	98	120	255	70	1.0	115	7.02	7328	(105.155) X H5)F2S4 XT6 655X56 (86)	7930-1 (85)
C20	28	156	21.3	96	4	0	109	132	268	73	.0	145	9.81	902	PIONEER 3165	REC. 1987
C20	29	140	19.3	98	0	2	107	130	257	73	-.1	143	8.81	909	DEKALB 689	REC. 1986
C20	30	137	18.5	91	4	4	106	123	260	67	.7	136	8.59	901	B73HT X MO17HT	REC. 1987
		130	20.2	92	6	3	105	137	272	72	.2	121	8.15		EXPERIMENT MEANS	
		13	.6	14	12	5	7	8	14	1	.6	20	.80		LSD .05 (ENTRY x REP)	
		17	.8	19	17	6	9	11	19	2	.8	27	1.07		LSD .01 (ENTRY x REP)	
		6	1.8	9	132	103	4	4	3	1	188	10	6.		C. V. % (ENTRY x REP)	
		100	101.	162	141	115	115	98	97	101	103	133	100.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 64. Experiment L20 Lewiston, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 4, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L20	1	105	20.9	92	8	0	100	117	272	77	1.3	92	6.62	7344	(105.H5) X 101)F2S4 XT6 687X88 (86)	7964-1 (85)
L20	2	104	21.0	84	8	9	108	128	256	75	1.7	83	6.54	7323	155 X (105.306))F2S4 XT6 4113X14 (86)	7925-4 (85)
L20	3	116	20.4	86	8	6	105	113	248	74	.7	100	7.30	7269	(105.H5) X 155)F2S4 XT6 537X38 (86)	7842-1 (85)
L20	4	108	21.1	91	0	9	99	119	244	76	1.0	93	6.79	7392	(105.155)X 155)F2S4 XT6 783X84 (86)	8051-2 (85)
L20	5	102	21.9	82	6	12	105	124	259	77	1.3	74	6.43	7370	(105.5)X(155.504)F2S4XT6 4319X20 (86)	8006-3 (85)
L20	6	91	20.3	76	11	13	96	131	260	77	1.3	65	5.73	7307	155 X (304.101))F2S4 XT6 4281X82 (86)	7896-1 (85)
L20	7	106	21.3	87	7	5	102	124	239	76	1.0	86	6.66	7316	(105.306) X 155)F2S4 XT6 4293X94 (86)	7916-1 (85)
L20	8	103	19.7	86	3	10	104	135	261	76	1.0	90	6.50	7277	(105.H5) X 155)F2S4 XT6 553X54 (86)	7861-1 (85)
L20	9	106	21.5	88	10	4	97	119	274	77	1.0	86	6.64	7369	(105.5)X(155.504)F2S4XT6 737X38 (86)	8006-2 (85)
L20	10	122	22.1	94	3	3	105	114	251	77	1.3	105	7.63	7361	105 X (304.504))F2S4 XT6 4315X16 (86)	7992-1 (85)
L20	11	112	21.0	82	11	6	104	121	265	75	1.0	90	7.02	7351	(105.H5) X 101)F2S4 XT6 701X 2 (86)	7969-2 (85)
L20	12	117	21.9	97	3	2	104	127	262	79	1.0	105	7.38	7309	155 X (304.101))F2S4 XT6 4283X84 (86)	7908-1 (85)
L20	13	120	21.1	93	3	3	99	122	261	76	.3	110	7.54	7276	(105.H5) X 155)F2S4 XT6 551X52 (86)	7858-1 (85)
L20	14	113	22.4	94	4	2	105	120	250	76	.0	94	7.10	7266	(105.H5) X 155)F2S4 XT6 531X32 (86)	7839-2 (85)
L20	15	93	23.1	81	11	7	98	116	266	77	1.0	58	5.82	7353	(105.306) X 101)F2S4 XT6 705X 6 (86)	7973-1 (85)
L20	16	111	21.5	90	4	6	103	112	249	75	.3	94	7.00	7293	(105.H5) X 155)F2S4 XT6 585X86 (86)	7872-1 (85)
L20	17	113	21.6	82	11	8	101	120	259	78	1.3	87	7.07	7327	155 X (105.306))F2S4 XT6 4305X06 (86)	7928-2 (85)
L20	18	108	20.9	80	17	4	104	121	256	75	1.0	83	6.78	7347	(105.H5) X 101)F2S4 XT6 693X94 (86)	7968-1 (85)
L20	19	100	21.7	91	7	1	95	115	245	78	1.0	82	6.26	7308	155 X (304.101))F2S4 XT6 615X16 (86)	7905-1 (85)
L20	20	91	22.2	85	9	7	100	106	228	77	.7	65	5.71	7394	(105.155)X 155)F2S4 XT6 787X88 (86)	8053-2 (85)
L20	21	122	21.9	88	3	8	103	127	261	77	1.0	102	7.66	7274	(105.H5) X 155)F2S4 XT6 4253X54 (86)	7849-1 (85)
L20	22	124	21.6	87	8	4	99	126	275	76	1.3	104	7.80	7257	(304.504) X 155)FXS4 XT6 4245X46 (86)	7827-1 (85)
L20	23	115	20.7	85	3	13	97	115	272	75	1.3	97	7.20	7333	(105.H5) X 101)F2S4 XT6 665X66 (86)	7948-2 (85)
L20	24	111	20.9	95	0	4	105	122	252	76	1.0	101	6.97	7285	(105.H5) X 155)F2S4 XT6 569X70 (86)	7863-2 (85)
L20	25	115	21.9	92	5	2	100	111	249	76	.7	98	7.22	7270	(105.H5) X 155)F2S4 XT6 4251X52 (86)	7844-1 (85)
L20	26	109	19.4	89	7	3	101	119	258	75	1.3	102	6.87	7302	155 X (304.101))F2S4 XT6 4273X74 (86)	7892-1 (85)
L20	27	88	21.3	86	10	5	95	122	249	74	.0	67	5.51	7328	(105.155) X H5)F2S4 XT6 655X56 (86)	7930-1 (85)
L20	28	126	20.7	87	7	5	108	117	247	78	.7	108	7.91	902	PIONEER 3165	REC. 1987
L20	29	126	20.3	90	1	9	109	113	236	76	.3	114	7.90	909	DEKALB 689	REC. 1986
L20	30	137	20.2	92	5	3	102	113	246	74	.0	129	8.61	901	B73HT X MO17HT	REC. 1987
		110	21.2	88	6	6	102	120	255	76	.9	92	6.94		EXPERIMENT MEANS	
		21	1.5	13	12	7	8	16	20	3	.9	33	1.35		LSD .05 (ENTRY x REP)	
		29	2.1	18	16	10	11	22	27	3	1.2	44	1.80		LSD .01 (ENTRY x REP)	
		12	4.4	9	116	77	5	8	5	2	62	22	12.		C. V. % (ENTRY x REP)	
		120	100.	106	101	118	103	102	102	104	94	114	120.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 65. Experiment P20 Plymouth, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 4, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P20	1	124	20.8	99	0	1	102	155	260	75	1.0	120	7.80	7344	(105.H5) X 101)F2S4 XT6 687X88 (86)	7964-1 (85)
P20	2	117	21.1	98	0	2	103	147	253	77	.3	109	7.34	7323	155 X (105.306))F2S4 XT6 4113X14 (86)	7925-4 (85)
P20	3	115	21.8	98	0	2	104	143	253	76	.4	104	7.25	7269	(105.H5) X 155)F2S4 XT6 537X38 (86)	7842-1 (85)
P20	4	109	21.7	96	0	4	101	143	250	75	.0	96	6.82	7392	(105.155)X 155)F2S4 XT6 783X84 (86)	8051-2 (85)
P20	5	129	23.4	97	0	3	104	148	260	77	.0	108	8.10	7370	(105.5)X(155.504)F2S4XT6 4319X20 (86)	8006-3 (85)
P20	6	110	21.7	95	0	5	104	152	255	77	.0	95	6.88	7307	155 X (304.101))F2S4 XT6 4281X82 (86)	7896-1 (85)
P20	7	113	20.9	98	0	2	102	137	248	77	.3	106	7.07	7316	(105.306) X 155)F2S4 XT6 4293X94 (86)	7916-1 (85)
P20	8	124	21.7	100	0	0	107	157	257	76	.4	115	7.76	7277	(105.H5) X 155)F2S4 XT6 553X54 (86)	7861-1 (85)
P20	9	127	23.3	99	0	1	98	158	260	77	.6	111	8.00	7369	(105.5)X(155.504)F2S4XT6 737X38 (86)	8006-2 (85)
P20	10	131	20.9	95	0	5	106	147	257	76	.6	121	8.23	7361	105 X (304.504))F2S4 XT6 4315X16 (86)	7992-1 (85)
P20	11	129	21.4	99	0	1	104	153	262	76	.3	121	8.09	7351	(105.H5) X 101)F2S4 XT6 701X 2 (86)	7969-2 (85)
P20	12	117	22.3	100	0	0	105	153	257	76	1.3	105	7.33	7309	155 X (304.101))F2S4 XT6 4283X84 (86)	7908-1 (85)
P20	13	116	21.2	97	0	3	97	140	252	75	.0	108	7.30	7276	(105.H5) X 155)F2S4 XT6 551X52 (86)	7858-1 (85)
P20	14	120	21.6	97	0	3	103	152	252	76	.3	109	7.53	7266	(105.H5) X 155)F2S4 XT6 531X32 (86)	7839-2 (85)
P20	15	111	21.7	94	0	6	101	138	255	76	.7	97	6.99	7353	(105.306) X 101)F2S4 XT6 705X 6 (86)	7973-1 (85)
P20	16	117	20.8	98	0	2	103	148	252	74	.7	111	7.34	7293	(105.H5) X 155)F2S4 XT6 585X86 (86)	7872-1 (85)
P20	17	115	22.0	97	0	3	106	150	252	76	.7	103	7.25	7327	155 X (105.306))F2S4 XT6 4305X06 (86)	7928-2 (85)
P20	18	132	21.4	96	0	4	108	148	263	76	.7	121	8.29	7347	(105.H5) X 101)F2S4 XT6 693X94 (86)	7968-1 (85)
P20	19	117	21.9	99	0	1	101	142	253	77	.4	106	7.34	7308	155 X (304.101))F2S4 XT6 615X16 (86)	7905-1 (85)
P20	20	105	21.7	99	0	1	103	138	252	77	.0	96	6.57	7394	(105.155)X 155)F2S4 XT6 787X88 (86)	8053-2 (85)
P20	21	124	21.9	99	0	1	103	152	250	76	.0	113	7.79	7274	(105.H5) X 155)F2S4 XT6 4253X54 (86)	7849-1 (85)
P20	22	121	22.3	94	0	6	105	145	267	76	.0	103	7.59	7257	(304.504) X 155)FXS4 XT6 4245X46 (86)	7827-1 (85)
P20	23	127	21.3	100	0	0	100	148	258	76	.4	122	8.00	7333	(105.H5) X 101)F2S4 XT6 665X66 (86)	7948-2 (85)
P20	24	126	21.8	98	0	2	103	140	252	75	.0	115	7.92	7285	(105.H5) X 155)F2S4 XT6 569X70 (86)	7863-2 (85)
P20	25	119	22.1	97	0	3	108	140	252	77	.3	105	7.48	7270	(105.H5) X 155)F2S4 XT6 4251X52 (86)	7844-1 (85)
P20	26	121	21.1	97	0	3	108	150	260	77	.0	112	7.60	7302	155 X (304.101))F2S4 XT6 4273X74 (86)	7892-1 (85)
P20	27	102	20.1	98	0	2	90	133	245	72	.4	99	6.40	7328	(105.155) X H5)F2S4 XT6 655X56 (86)	7930-1 (85)
P20	28	124	23.1	96	0	4	109	142	250	78	-.6	104	7.77	902	PIONEER 3165	REC. 1987
P20	29	119	20.9	96	0	4	101	145	250	77	.0	111	7.46	909	DEKALB 689	REC. 1986
P20	30	128	19.7	99	0	1	105	143	250	73	.3	128	8.02	901	B73HT X MO17HT	REC. 1987
		120	21.6	98	0	2	103	146	255	76	.3	109	7.51		EXPERIMENT MEANS	
		14	.7	3	0	3	7	9	9	1	.8	15	.88		LSD .05 (ENTRY x REP)	
		19	.9	5	0	5	9	13	12	2	1.0	20	1.17		LSD .01 (ENTRY x REP)	
		7	1.9	2	0	83	4	4	2	1	147	8	7.		C. V. % (ENTRY x REP)	
		99	101.	105	0	105	88	92	100	103	101	101	99.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 66. Experiment 21 Analysis over locations and years for Trophy (Cycle 2) x (B73ht x Mo17ht) set 5, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
21	1	110	19.2	95	1	5	102	133	254	73	.4	108	6.88	7291	(105.H5) X 155)F2S4 XT6	4263X64 (86) 7868-2 (85)
21	2	106	18.2	86	2	13	103	122	243	73	.7	101	6.68	7305	155 X (304.101))F2S4 XT6	4277X78 (86) 7893-2 (85)
21	3	112	19.1	94	2	5	98	130	256	73	.2	111	7.05	7283	(105.H5) X 155)F2S4 XT6	565X66 (86) 7862-4 (85)
21	4	117	19.8	90	5	5	100	126	257	73	.4	107	7.32	7368	(105.5)X(155.504)F2S4XT6	735X36 (86) 8006-1 (85)
21	5	107	20.4	91	2	6	101	125	245	74	.3	96	6.69	7325	155 X (105.306))F2S4 XT6	649X50 (86) 7927-2 (85)
21	6	115	20.1	86	3	11	105	136	257	74	.2	101	7.22	7252	(304.504) X 155)F2S4 XT6	4239X40 (86) 7824-1 (85)
21	7	113	18.9	92	2	7	102	127	244	73	.4	111	7.09	7265	(105.H5) X 155)F2S4 XT6	529X30 (86) 7839-1 (85)
21	8	124	19.0	94	4	2	100	129	261	74	.4	124	7.76	7335	(105.H5) X 101)F2S4 XT6	669X70 (86) 7950-1 (85)
21	9	108	19.8	81	9	10	95	133	262	72	.7	89	6.76	7355	(H5.155) X 105)F2S4 XT6	709X10 (86) 7978-1 (85)
21	10	122	19.5	88	5	8	103	130	260	73	.8	112	7.66	7364	105 X (306.H5))F2S4 XT6	4317X18 (86) 7996-1 (85)
21	11	125	19.6	91	4	5	101	125	258	73	.2	118	7.83	7346	(105.H5) X 101)F2S4 XT6	691X92 (86) 7967-1 (85)
21	12	108	19.7	91	4	4	101	119	242	73	.3	101	6.77	7318	(105.306) X 155)F2S4 XT6	4297X98 (86) 7918-1 (85)
21	13	105	19.5	90	4	6	103	133	253	72	.5	98	6.57	7263	(105.H5) X 155)F2S4 XT6	4249X50 (86) 7838-1 (85)
21	14	121	19.2	91	4	5	103	121	256	72	1.0	117	7.59	7338	(105.H5) X 101)F2S4 XT6	675X76 (86) 7956-1 (85)
21	15	114	18.8	94	1	5	101	131	249	72	.4	113	7.13	7284	(105.H5) X 155)F2S4 XT6	567X68 (86) 7863-1 (85)
21	16	116	18.6	94	1	6	101	127	247	72	.1	116	7.27	7287	(105.H5) X 155)F2S4 XT6	573X74 (86) 7864-1 (85)
21	17	113	19.4	96	2	2	96	127	247	73	.8	113	7.09	7387	(105.H5)X(304.504) XT6	773X74 (86) 8047-2 (85)
21	18	117	19.2	92	4	5	100	129	250	72	.5	112	7.31	7337	(105.H5) X 101)F2S4 XT6	673X74 (86) 7952-2 (85)
21	19	109	18.8	90	3	7	101	133	253	73	.0	104	6.84	7292	(105.H5) X 155)F2S4 XT6	4265X66 (86) 7869-1 (85)
21	20	109	18.7	95	1	4	98	124	238	72	.1	110	6.83	7395	(105.155)X 155)F2S4 XT6	789X90 (86) 8054-1 (85)
21	21	126	19.2	95	2	3	102	132	261	73	.5	125	7.91	7350	(105.H5) X 101)F2S4 XT6	699X 0 (86) 7969-1 (85)
21	22	116	19.3	96	2	2	101	121	240	73	.5	116	7.28	7385	(105.H5)X(304.504) XT6	769X70 (86) 8044-1 (85)
21	23	114	18.9	87	4	9	101	125	256	73	1.0	106	7.16	7356	(H5.155) X 105)F2S4 XT6	711X12 (86) 7979-1 (85)
21	24	115	19.6	94	3	3	102	119	241	71	.8	110	7.20	7358	105 X (304.504))F2S4 XT6	715X16 (86) 7990-1 (85)
21	25	109	19.2	89	6	6	93	130	255	73	.5	102	6.82	7275	(105.H5) X 155)F2S4 XT6	549X50 (86) 7852-1 (85)
21	26	117	19.0	93	1	7	106	128	248	73	.6	114	7.31	7289	(105.H5) X 155)F2S4 XT6	4259X60 (86) 7865-2 (85)
21	27	109	18.5	91	1	8	93	128	247	73	.4	108	6.84	7322	155 X (105.306))F2S4 XT6	643X44 (86) 7925-3 (85)
21	28	135	19.9	95	2	3	104	120	246	74	.2	131	8.50	902	PIONEER 3165	REC. 1987
21	29	132	18.5	97	1	2	104	122	243	73	.1	137	8.28	909	DEKALB 689	REC. 1986
21	30	128	17.9	97	1	2	102	117	241	70	.5	136	8.00	901	B73HT X MO17HT	REC. 1987
		116	19.2	92	3	5	101	127	250	73	.4	112	7.25		EXPERIMENT MEANS	
		10	.5	15	12	9	9	11	14	2	.5	26	.98		LSD .05 (ENTRY x ENV)	
		12	.7	20	16	12	11	14	18	2	.6	34	1.31		LSD .01 (ENTRY x ENV)	
		7	3.	6	104	72	4	5	3	2	96	11	7.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 67. Experiment 21 Analysis over locations for Trophy (Cycle 2) x (B73ht x Mo17ht) set 5, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
21	1	118	20.8	95	1	4	104	143	266	75	.3	109	7.39	7291	(105.H5) X 155)F2S4 XT6 4263X64 (86)	7868-2 (85)
21	2	115	19.7	88	3	9	106	131	252	75	.5	105	7.25	7305	155 X (304.101))F2S4 XT6 4277X78 (86)	7893-2 (85)
21	3	116	20.9	95	3	2	98	145	266	75	.1	108	7.29	7283	(105.H5) X 155)F2S4 XT6 565X66 (86)	7862-4 (85)
21	4	125	22.1	88	10	3	101	138	265	75	.3	104	7.87	7368	(105.5)X(155.504)F2S4XT6 735X36 (86)	8006-1 (85)
21	5	111	22.1	91	5	4	103	135	258	76	.3	91	6.94	7325	155 X (105.306))F2S4 XT6 649X50 (86)	7927-2 (85)
21	6	117	22.2	83	5	12	106	145	264	76	.3	90	7.38	7252	(304.504) X 155)F2S4 XT6 4239X40 (86)	7824-1 (85)
21	7	126	21.2	97	2	2	103	136	253	76	.2	118	7.93	7265	(105.H5) X 155)F2S4 XT6 529X30 (86)	7839-1 (85)
21	8	127	20.0	91	6	3	102	137	271	75	.4	119	7.98	7335	(105.H5) X 101)F2S4 XT6 669X70 (86)	7950-1 (85)
21	9	117	21.0	81	10	9	95	141	268	74	.6	94	7.38	7355	(H5.155) X 105)F2S4 XT6 709X10 (86)	7978-1 (85)
21	10	130	21.0	84	7	8	103	137	267	75	.3	108	8.13	7364	105 X (306.H5))F2S4 XT6 4317X18 (86)	7996-1 (85)
21	11	131	21.2	87	7	5	102	135	269	75	.2	112	8.18	7346	(105.H5) X 101)F2S4 XT6 691X92 (86)	7967-1 (85)
21	12	109	21.7	91	7	3	101	130	253	75	.3	91	6.85	7318	(105.306) X 155)F2S4 XT6 4297X98 (86)	7918-1 (85)
21	13	116	21.7	87	6	7	106	144	265	74	.7	95	7.26	7263	(105.H5) X 155)F2S4 XT6 4249X50 (86)	7838-1 (85)
21	14	125	20.9	90	6	5	102	129	264	74	.5	110	7.84	7338	(105.H5) X 101)F2S4 XT6 675X76 (86)	7956-1 (85)
21	15	119	20.8	93	2	5	103	144	264	75	.3	107	7.45	7284	(105.H5) X 155)F2S4 XT6 567X68 (86)	7863-1 (85)
21	16	124	20.3	95	2	4	105	134	254	75	.1	117	7.81	7287	(105.H5) X 155)F2S4 XT6 573X74 (86)	7864-1 (85)
21	17	120	21.1	94	3	2	95	134	255	75	.7	110	7.52	7387	(105.H5)X(304.504) XT6 773X74 (86)	8047-2 (85)
21	18	121	20.6	89	6	6	99	139	262	74	.3	106	7.56	7337	(105.H5) X 101)F2S4 XT6 673X74 (86)	7952-2 (85)
21	19	118	20.5	89	6	5	103	142	264	75	.3	103	7.39	7292	(105.H5) X 155)F2S4 XT6 4265X66 (86)	7869-1 (85)
21	20	112	20.4	95	3	3	98	130	251	74	.2	104	7.02	7395	(105.155)X 155)F2S4 XT6 789X90 (86)	8054-1 (85)
21	21	135	21.1	94	3	3	105	142	273	75	.2	123	8.47	7350	(105.H5) X 101)F2S4 XT6 699X 0 (86)	7969-1 (85)
21	22	121	21.0	94	3	2	103	132	252	75	.6	110	7.60	7385	(105.H5)X(304.504) XT6 769X70 (86)	8044-1 (85)
21	23	118	20.3	83	7	11	103	134	264	74	.8	98	7.40	7356	(H5.155) X 105)F2S4 XT6 711X12 (86)	7979-1 (85)
21	24	115	21.5	90	6	3	102	123	253	74	.7	97	7.20	7358	105 X (304.504))F2S4 XT6 715X16 (86)	7990-1 (85)
21	25	110	21.0	84	10	7	94	138	266	74	.5	89	6.90	7275	(105.H5) X 155)F2S4 XT6 549X50 (86)	7852-1 (85)
21	26	123	20.9	94	2	3	107	136	259	74	.5	113	7.71	7289	(105.H5) X 155)F2S4 XT6 4259X60 (86)	7865-2 (85)
21	27	113	19.9	92	1	6	96	136	258	76	.1	105	7.07	7322	155 X (105.306))F2S4 XT6 643X44 (86)	7925-3 (85)
21	28	137	21.9	95	3	2	107	130	260	76	.3	123	8.60	902	PIONEER 3165	REC. 1987
21	29	129	19.9	97	1	2	106	134	255	76	.2	126	8.12	909	DEKALB 689	REC. 1986
21	30	137	19.5	97	2	2	103	130	253	71	.5	137	8.61	901	B73HT X MO17HT	REC. 1987
		121	20.9	91	5	5	102	136	261	75	.4	107	7.60		EXPERIMENT MEANS	
		17	1.0	15	12	9	9	11	14	2	.5	26	.98		LSD .05 (ENTRY x ENV)	
		22	1.4	20	16	12	11	14	18	2	.6	34	1.31		LSD .01 (ENTRY x ENV)	
		6	3.	6	85	54	4	5	3	1	81	10	5.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 68. Experiment C21 Clayton, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 5, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C21	1	131	20.1	93	3	3	108	150	285	72	.0	123	8.21	7291	(105.H5) X 155)F2S4 XT6 4263X64 (86)	7868-2 (85)
C21	2	118	19.7	79	7	14	107	130	262	72	.0	99	7.43	7305	155 X (304.101))F2S4 XT6 4277X78 (86)	7893-2 (85)
C21	3	120	20.1	95	7	0	95	147	280	73	.0	116	7.53	7283	(105.H5) X 155)F2S4 XT6 565X66 (86)	7862-4 (85)
C21	4	131	21.0	73	23	5	101	142	278	73	.0	100	8.21	7368	(105.5)X(155.504)F2S4XT6 735X36 (86)	8006-1 (85)
C21	5	112	21.2	89	6	4	103	135	265	73	.0	96	7.00	7325	155 X (105.306))F2S4 XT6 649X50 (86)	7927-2 (85)
C21	6	122	21.6	76	13	12	108	151	288	72	.0	91	7.69	7252	(304.504) X 155)F2S4 XT6 4239X40 (86)	7824-1 (85)
C21	7	140	19.9	98	5	0	104	143	265	72	.0	140	8.79	7265	(105.H5) X 155)F2S4 XT6 529X30 (86)	7839-1 (85)
C21	8	125	19.7	84	11	5	104	140	283	73	.0	111	7.87	7335	(105.H5) X 101)F2S4 XT6 669X70 (86)	7950-1 (85)
C21	9	130	20.2	78	14	7	98	140	288	71	1.0	109	8.19	7355	(H5.155) X 105)F2S4 XT6 709X10 (86)	7978-1 (85)
C21	10	145	19.9	85	6	7	103	146	290	73	.0	129	9.08	7364	105 X (306.H5))F2S4 XT6 4317X18 (86)	7996-1 (85)
C21	11	126	20.5	76	16	7	98	135	275	73	.0	98	7.88	7346	(105.H5) X 101)F2S4 XT6 691X92 (86)	7967-1 (85)
C21	12	115	20.3	91	8	1	103	125	262	72	.0	103	7.22	7318	(105.306) X 155)F2S4 XT6 4297X98 (86)	7918-1 (85)
C21	13	114	20.8	78	11	11	111	150	278	71	.7	90	7.16	7263	(105.H5) X 155)F2S4 XT6 4249X50 (86)	7838-1 (85)
C21	14	128	19.7	87	8	7	107	125	270	71	.7	117	8.01	7338	(105.H5) X 101)F2S4 XT6 675X76 (86)	7956-1 (85)
C21	15	133	20.2	89	5	5	107	145	275	71	.0	119	8.33	7284	(105.H5) X 155)F2S4 XT6 567X68 (86)	7863-1 (85)
C21	16	129	19.6	96	3	3	106	130	270	72	.0	125	8.11	7287	(105.H5) X 155)F2S4 XT6 573X74 (86)	7864-1 (85)
C21	17	129	20.2	95	3	1	98	143	273	72	.0	123	8.11	7387	(105.H5)X(304.504) XT6 773X74 (86)	8047-2 (85)
C21	18	116	19.8	91	5	7	98	145	282	71	.7	107	7.27	7337	(105.H5) X 101)F2S4 XT6 673X74 (86)	7952-2 (85)
C21	19	121	19.4	86	7	7	103	143	283	72	.0	108	7.60	7292	(105.H5) X 155)F2S4 XT6 4265X66 (86)	7869-1 (85)
C21	20	126	19.3	93	3	3	103	138	270	73	.0	123	7.91	7395	(105.155)X 155)F2S4 XT6 789X90 (86)	8054-1 (85)
C21	21	143	19.9	95	1	3	106	148	288	72	.0	137	8.97	7350	(105.H5) X 101)F2S4 XT6 699X 0 (86)	7969-1 (85)
C21	22	126	20.1	96	1	2	105	130	267	72	.3	122	7.90	7385	(105.H5)X(304.504) XT6 769X70 (86)	8044-1 (85)
C21	23	120	19.8	71	16	15	103	138	283	71	.3	91	7.57	7356	(H5.155) X 105)F2S4 XT6 711X12 (86)	7979-1 (85)
C21	24	127	20.4	91	4	3	104	115	267	71	.3	114	7.95	7358	105 X (304.504))F2S4 XT6 715X16 (86)	7990-1 (85)
C21	25	107	20.2	75	22	6	90	135	277	71	.0	80	6.72	7275	(105.H5) X 155)F2S4 XT6 549X50 (86)	7852-1 (85)
C21	26	133	20.1	92	6	2	108	142	282	71	.3	125	8.37	7289	(105.H5) X 155)F2S4 XT6 4259X60 (86)	7865-2 (85)
C21	27	118	19.4	91	4	4	100	137	267	73	.0	110	7.39	7322	155 X (105.306))F2S4 XT6 643X44 (86)	7925-3 (85)
C21	28	150	21.5	95	3	1	108	133	278	74	.0	138	9.43	902	PIONEER 3165	REC. 1987
C21	29	134	19.2	98	0	1	108	135	273	73	.0	136	8.45	909	DEKALB 689	REC. 1986
C21	30	143	18.2	95	5	0	103	119	257	68	1.0	150	9.01	901	B73HT X MO17HT	REC. 1987
		127	20.1	88	8	5	103	138	275	72	.2	114	7.98		EXPERIMENT MEANS	
		16	.5	14	12	9	8	10	13	1	.5	25	.98		LSD .05 (ENTRY x REP)	
		21	.7	19	16	12	10	13	17	1	.6	33	1.31		LSD .01 (ENTRY x REP)	
		7	1.6	10	98	112	4	4	3	1	159	13	7.		C. V. % (ENTRY x REP)	
		103	100.	178	130	110	96	100	100	110	100	140	103.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 69. Experiment L21 Lewiston, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 5, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) EAR	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L21	1	106	20.1	93	0	7	101	127	257	77	.7	97	6.66	7291	(105.H5) X 155)F2S4 XT6	4263X64 (86) 7868-2 (85)
L21	2	111	18.2	86	2	12	106	117	247	76	.9	106	6.95	7305	155 X (304.101))F2S4 XT6	4277X78 (86) 7893-2 (85)
L21	3	106	20.9	94	1	5	102	130	257	77	.3	97	6.68	7283	(105.H5) X 155)F2S4 XT6	565X66 (86) 7862-4 (85)
L21	4	118	21.7	93	7	1	104	123	263	77	.9	103	7.40	7368	(105.5)X(155.504)F2S4XT6	735X36 (86) 8006-1 (85)
L21	5	102	21.9	86	7	7	101	133	258	77	.3	77	6.38	7325	155 X (105.306))F2S4 XT6	649X50 (86) 7927-2 (85)
L21	6	104	22.7	81	3	16	102	123	248	78	.9	72	6.50	7252	(304.504) X 155)F2S4 XT6	4239X40 (86) 7824-1 (85)
L21	7	114	21.9	95	2	3	102	120	247	78	.7	100	7.16	7265	(105.H5) X 155)F2S4 XT6	529X30 (86) 7839-1 (85)
L21	8	129	19.2	92	8	0	97	125	277	77	1.0	126	8.09	7335	(105.H5) X 101)F2S4 XT6	669X70 (86) 7950-1 (85)
L21	9	107	21.6	72	12	15	90	132	258	75	.7	71	6.74	7355	(H5.155) X 105)F2S4 XT6	709X10 (86) 7978-1 (85)
L21	10	107	21.6	75	14	11	100	118	252	77	.7	73	6.74	7364	105 X (306.H5))F2S4 XT6	4317X18 (86) 7996-1 (85)
L21	11	126	21.4	89	5	6	107	127	272	75	.1	109	7.89	7346	(105.H5) X 101)F2S4 XT6	691X92 (86) 7967-1 (85)
L21	12	93	22.4	84	12	4	95	127	250	77	.7	65	5.87	7318	(105.306) X 155)F2S4 XT6	4297X98 (86) 7918-1 (85)
L21	13	113	22.2	86	8	7	106	130	263	76	1.0	86	7.08	7263	(105.H5) X 155)F2S4 XT6	4249X50 (86) 7838-1 (85)
L21	14	120	20.5	86	6	8	98	118	265	75	.3	104	7.54	7338	(105.H5) X 101)F2S4 XT6	675X76 (86) 7956-1 (85)
L21	15	99	20.5	92	2	6	96	122	258	77	1.0	88	6.22	7284	(105.H5) X 155)F2S4 XT6	567X68 (86) 7863-1 (85)
L21	16	116	19.7	91	2	8	107	117	242	76	.0	109	7.30	7287	(105.H5) X 155)F2S4 XT6	573X74 (86) 7864-1 (85)
L21	17	114	21.0	91	5	4	92	118	245	76	1.4	103	7.15	7387	(105.H5)X(304.504) XT6	773X74 (86) 8047-2 (85)
L21	18	116	20.5	80	11	9	101	123	248	75	.3	91	7.26	7337	(105.H5) X 101)F2S4 XT6	673X74 (86) 7952-2 (85)
L21	19	107	20.6	83	12	5	97	128	257	77	.8	85	6.69	7292	(105.H5) X 155)F2S4 XT6	4265X66 (86) 7869-1 (85)
L21	20	105	21.7	92	5	4	91	108	237	74	.4	87	6.58	7395	(105.155)X 155)F2S4 XT6	789X90 (86) 8054-1 (85)
L21	21	129	21.5	89	8	3	100	127	272	76	.7	110	8.09	7350	(105.H5) X 101)F2S4 XT6	699X 0 (86) 7969-1 (85)
L21	22	115	20.6	90	9	1	102	118	243	75	1.0	103	7.22	7385	(105.H5)X(304.504) XT6	769X70 (86) 8044-1 (85)
L21	23	105	20.5	83	4	13	102	120	252	77	1.3	84	6.59	7356	(H5.155) X 105)F2S4 XT6	711X12 (86) 7979-1 (85)
L21	24	104	21.8	82	14	3	101	112	245	74	1.0	78	6.55	7358	105 X (304.504))F2S4 XT6	715X16 (86) 7990-1 (85)
L21	25	103	21.1	78	9	13	91	132	262	76	1.0	76	6.47	7275	(105.H5) X 155)F2S4 XT6	549X50 (86) 7852-1 (85)
L21	26	108	20.5	91	1	8	107	118	242	77	.6	97	6.80	7289	(105.H5) X 155)F2S4 XT6	4259X60 (86) 7865-2 (85)
L21	27	105	19.5	88	0	12	93	125	255	78	.3	97	6.61	7322	155 X (105.306))F2S4 XT6	643X44 (86) 7925-3 (85)
L21	28	122	20.7	91	5	4	108	117	253	77	.9	111	7.67	902	PIONEER 3165	REC. 1987
L21	29	124	20.3	95	2	3	104	120	243	78	.6	117	7.81	909	DEKALB 689	REC. 1986
L21	30	131	20.9	95	0	5	104	123	252	73	.4	122	8.21	901	B73HT X MO17HT	REC. 1987
		112	20.9	87	6	7	100	123	254	76	.7	95	7.03		EXPERIMENT MEANS	
		18	1.3	13	9	10	7	15	18	3	1.2	28	1.15		LSD .05 (ENTRY x REP)	
		24	1.8	17	12	14	9	20	24	3	1.6	38	1.54		LSD .01 (ENTRY x REP)	
		10	3.9	9	97	95	4	8	4	2	102	18	10.		C. V. % (ENTRY x REP)	
		124	108.	93	98	97	113	98	99	104	101	113	124.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 70. Experiment P21 Plymouth, N.C. Trophy (Cycle 2) x (B73ht x Mo17ht) set 5, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P21	1	116	22.1	99	0	1	103	151	255	77	.3	106	7.30	7291	(105.H5) X 155)F2S4 XT6 4263X64 (86) 7868-2 (85)	
P21	2	117	21.3	99	0	1	105	145	248	76	.6	109	7.37	7305	155 X (304.101))F2S4 XT6 4277X78 (86) 7893-2 (85)	
P21	3	122	21.8	97	0	2	97	159	260	76	.0	111	7.67	7283	(105.H5) X 155)F2S4 XT6 565X66 (86) 7862-4 (85)	
P21	4	127	23.5	98	0	2	98	150	253	76	.1	108	7.99	7368	(105.5)X(155.504)F2S4XT6 735X36 (86) 8006-1 (85)	
P21	5	119	23.1	98	1	2	104	137	250	77	.6	101	7.45	7325	155 X (105.306))F2S4 XT6 649X50 (86) 7927-2 (85)	
P21	6	126	22.2	92	0	8	109	162	257	77	.0	107	7.94	7252	(304.504) X 155)F2S4 XT6 4239X40 (86) 7824-1 (85)	
P21	7	125	21.7	98	0	2	102	145	248	77	.0	115	7.85	7265	(105.H5) X 155)F2S4 XT6 529X30 (86) 7839-1 (85)	
P21	8	127	21.0	97	0	3	104	147	252	76	.1	119	7.98	7335	(105.H5) X 101)F2S4 XT6 669X70 (86) 7950-1 (85)	
P21	9	115	21.2	92	3	5	97	151	257	76	.1	101	7.22	7355	(H5.155) X 105)F2S4 XT6 709X10 (86) 7978-1 (85)	
P21	10	137	21.4	91	2	7	105	147	258	76	.3	121	8.58	7364	105 X (306.H5))F2S4 XT6 4317X18 (86) 7996-1 (85)	
P21	11	140	21.8	97	1	2	100	143	260	76	.4	128	8.78	7346	(105.H5) X 101)F2S4 XT6 691X92 (86) 7967-1 (85)	
P21	12	119	22.5	98	0	3	105	137	248	76	.3	104	7.46	7318	(105.306) X 155)F2S4 XT6 4297X98 (86) 7918-1 (85)	
P21	13	120	22.1	98	0	2	102	152	255	75	.3	108	7.55	7263	(105.H5) X 155)F2S4 XT6 4249X50 (86) 7838-1 (85)	
P21	14	127	22.6	96	3	1	101	145	258	76	.6	110	7.98	7338	(105.H5) X 101)F2S4 XT6 675X76 (86) 7956-1 (85)	
P21	15	124	21.6	98	0	3	105	165	258	76	-.2	114	7.81	7284	(105.H5) X 155)F2S4 XT6 567X68 (86) 7863-1 (85)	
P21	16	128	21.6	98	0	2	103	155	250	76	.4	118	8.01	7287	(105.H5) X 155)F2S4 XT6 573X74 (86) 7864-1 (85)	
P21	17	116	22.0	97	1	2	95	142	248	77	.6	104	7.31	7387	(105.H5)X(304.504) XT6 773X74 (86) 8047-2 (85)	
P21	18	130	21.4	97	2	2	98	149	255	76	.0	119	8.15	7337	(105.H5) X 101)F2S4 XT6 673X74 (86) 7952-2 (85)	
P21	19	125	21.4	98	0	2	108	156	253	76	.0	116	7.88	7292	(105.H5) X 155)F2S4 XT6 4265X66 (86) 7869-1 (85)	
P21	20	105	20.3	99	0	1	100	144	247	76	.3	102	6.58	7395	(105.155)X 155)F2S4 XT6 789X90 (86) 8054-1 (85)	
P21	21	133	21.8	98	0	2	108	150	260	76	.0	122	8.36	7350	(105.H5) X 101)F2S4 XT6 699X 0 (86) 7969-1 (85)	
P21	22	122	22.4	96	0	4	103	149	247	77	.4	106	7.67	7385	(105.H5)X(304.504) XT6 769X70 (86) 8044-1 (85)	
P21	23	128	20.7	95	0	5	103	144	258	75	.8	119	8.03	7356	(H5.155) X 105)F2S4 XT6 711X12 (86) 7979-1 (85)	
P21	24	113	22.2	97	0	3	100	143	248	76	.7	99	7.09	7358	105 X (304.504))F2S4 XT6 715X16 (86) 7990-1 (85)	
P21	25	120	21.7	98	0	2	100	148	258	76	.6	110	7.51	7275	(105.H5) X 155)F2S4 XT6 549X50 (86) 7852-1 (85)	
P21	26	127	22.2	100	0	0	105	149	252	75	.7	116	7.95	7289	(105.H5) X 155)F2S4 XT6 4259X60 (86) 7865-2 (85)	
P21	27	115	20.9	97	0	3	96	147	252	77	-.1	108	7.22	7322	155 X (105.306))F2S4 XT6 643X44 (86) 7925-3 (85)	
P21	28	139	23.5	98	0	2	105	139	250	77	.0	120	8.71	902	PIONEER 3165 REC. 1987	
P21	29	129	20.1	98	0	2	105	146	250	77	.1	126	8.11	909	DEKALB 689 REC. 1986	
P21	30	137	19.5	100	0	0	103	147	250	72	.0	140	8.62	901	B73HT X MO17HT REC. 1987	
		124	21.7	97	0	2	102	148	253	76	.3	113	7.80		EXPERIMENT MEANS	
		12	.8	5	2	4	8	12	7	1	.7	14	.74		LSD .05 (ENTRY x REP)	
		16	1.1	6	3	5	11	16	9	1	.9	19	.99		LSD .01 (ENTRY x REP)	
		6	2.3	3	338	98	5	5	2	1	154	8	6.		C. V. % (ENTRY x REP)	
		101	96.	100	106	101	102	110	97	113	107	102	101.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 71. Experiment 22 Analysis over locations and years for TROPHY (cycle 2) and Low Moisture C2 & C3, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
22	1	119	20.0	90	2	8	103	147	258	71	.1	108	7.46	7213	AG155 X H503 F5S5 XT6	4225X26 (86) 7671-1 (85)
22	2	118	20.1	89	1	11	102	136	257	72	.4	106	7.38	7222	AG155 X H503 F5S5 XT6	4227X28 (86) 7677-1 (85)
22	3	115	20.9	88	1	12	101	137	255	71	.3	98	7.22	7227	AG155 X H503 F5S5 XT6	453X54 (86) 7680-1 (85)
22	4	113	20.0	85	2	13	103	141	254	71	-.1	98	7.09	7232	AG155 X H503 F5S5 XT6	4231X32 (86) 7683-1 (85)
22	5	116	19.7	82	4	14	100	140	256	71	1.0	99	7.25	7237	AG155 X H503 F5S5 XT6	539X40 (87) 7685-2 (85)
22	6	117	19.9	85	3	13	101	140	255	71	.7	102	7.34	7242	AG155 X H503 F5S5 XT6	545X46 (86) 7689-2 (85)
22	7	113	18.6	86	5	9	102	135	255	71	-.4	106	7.07	7255	(304.504) X 155)F2S4 XT6	509X10 (86) 7825-1 (85)
22	8	102	20.0	94	1	5	95	140	261	71	.0	97	6.39	7256	(304.504) X 155)F2S4 XT6	511X12 (86) 7826-1 (85)
22	9	108	19.4	93	1	6	101	141	259	71	.0	103	6.76	7629	B73HT X TROPHY LM C2	1X 2 (87) 7235-12 (85)
22	10	111	19.8	89	1	9	102	140	259	71	.7	101	6.95	7630	B73HT X TROPHY LM C2	3X 4 (87) 7235-24 (85)
22	11	117	19.9	90	1	9	102	145	262	71	.3	108	7.36	7631	B73HT X TROPHY LM C3	5X 6 (87) 1602-7 (86)
22	12	116	19.4	87	2	11	101	136	254	69	.3	107	7.30	7632	B73HT X TROPHY LM C3	7X 8 (87) 1602-38 (86)
22	13	111	19.8	89	1	9	99	137	259	71	1.0	101	6.94	7633	B73HT X TROPHY LM C3	9X10 (87) 1602-101(86)
22	14	109	19.9	83	1	15	98	130	253	71	.3	92	6.85	7634	B73HT X TROPHY LM C3	11X12 (87) 1602-113(86)
22	15	110	19.8	89	0	11	100	143	257	71	.1	99	6.87	7635	B73HT X TROPHY LM C3	13X14 (87) 1602-115(86)
22	16	118	19.8	91	1	8	103	135	255	71	.0	109	7.38	7637	B73HT X TROPHY LM C3	17X18 (87) 1602-124(86)
22	17	117	20.8	95	0	4	102	127	245	71	.0	109	7.33	907	DEKALB 789	REC. 1987
22	18	130	20.3	92	1	7	104	127	244	74	-.1	119	8.13	902	PIONEER 3165	REC. 1987
22	19	128	18.6	94	0	7	101	126	248	71	-.3	129	8.05	909	DEKALB 689	REC. 1986
22	20	124	17.8	94	0	6	100	125	248	67	.1	129	7.80	901	B73HT x Mo17HT	REC. 1987
		115	19.7	89	1	9	101	136	255	71	.2	106	7.25		EXPERIMENT MEANS	
		9	.6	6	3	6	7	18	10	2	1.0	15	.83		LSD .05 (ENTRY x ENV)	
		12	.9	8	4	8	10	24	13	2	1.4	20	1.11		LSD .01 (ENTRY x ENV)	
		6	3.	6	173	50	4	6	3	2	283	10	6.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 72. Experiment 22 Analysis over locations for TROPHY (cycle 2) and Low Moisture C2 & C3, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
22	1	127	20.6	92	2	6	104	154	264	71	.1	115	7.97	7213	AG155 X H503 F5S5	XT6 4225X26 (86) 7671-1 (85)
22	2	125	20.7	93	1	7	103	142	264	72	.4	114	7.84	7222	AG155 X H503 F5S5	XT6 4227X28 (86) 7677-1 (85)
22	3	123	21.7	93	1	6	103	146	263	71	.3	107	7.71	7227	AG155 X H503 F5S5	XT6 453X54 (86) 7680-1 (85)
22	4	117	20.5	92	2	6	102	147	259	71	-.1	107	7.38	7232	AG155 X H503 F5S5	XT6 4231X32 (86) 7683-1 (85)
22	5	118	20.4	85	7	8	103	145	261	71	1.0	99	7.39	7237	AG155 X H503 F5S5	XT6 539X40 (87) 7685-2 (85)
22	6	126	20.6	92	4	5	105	144	257	71	.7	114	7.87	7242	AG155 X H503 F5S5	XT6 545X46 (86) 7689-2 (85)
22	7	122	19.6	91	5	4	104	143	263	71	-.4	114	7.66	7255	(304.504) X 155)F2S4	XT6 509X10 (86) 7825-1 (85)
22	8	107	20.9	96	1	4	98	146	267	71	.0	99	6.72	7256	(304.504) X 155)F2S4	XT6 511X12 (86) 7826-1 (85)
22	9	110	19.7	93	1	5	100	142	261	71	.0	105	6.91	7629	B73HT X TROPHY LM C2	1X 2 (87) 7235-12 (85)
22	10	116	20.3	92	1	7	102	142	264	71	.7	107	7.29	7630	B73HT X TROPHY LM C2	3X 4 (87) 7235-24 (85)
22	11	124	20.5	93	1	6	102	148	268	71	.3	115	7.75	7631	B73HT X TROPHY LM C3	5X 6 (87) 1602-7 (86)
22	12	119	20.4	88	3	9	102	144	261	69	.3	106	7.48	7632	B73HT X TROPHY LM C3	7X 8 (87) 1602-38 (86)
22	13	114	20.3	93	2	4	99	138	261	71	1.0	105	7.13	7633	B73HT X TROPHY LM C3	9X10 (87) 1602-101(86)
22	14	112	20.6	87	2	10	99	133	257	71	.3	95	7.01	7634	B73HT X TROPHY LM C3	11X12 (87) 1602-113(86)
22	15	110	20.0	92	0	8	98	146	259	71	.1	102	6.91	7635	B73HT X TROPHY LM C3	13X14 (87) 1602-115(86)
22	16	125	20.2	93	1	6	105	139	262	71	.0	117	7.80	7637	B73HT X TROPHY LM C3	17X18 (87) 1602-124(86)
22	17	122	21.6	95	0	4	103	136	253	71	.0	110	7.65	907	DEKALB 789	REC. 1987
22	18	133	21.1	96	2	2	105	135	254	74	-.1	123	8.31	902	PIONEER 3165	REC. 1987
22	19	134	19.0	95	0	6	104	136	260	71	-.3	135	8.44	909	DEKALB 689	REC. 1986
22	20	132	18.3	97	0	3	103	134	259	67	.1	138	8.32	901	B73HT x Mo17HT	REC. 1987
		121	20.4	92	2	6	102	142	261	71	.2	111	7.58		EXPERIMENT MEANS	
		14	.7	6	3	6	7	18	10	2	1.0	15	.83		LSD .05 (ENTRY x ENV)	
		19	.9	8	4	7	10	24	13	2	1.4	20	1.11		LSD .01 (ENTRY x ENV)	
		5	2.	5	158	48	4	5	2	2	283	7	4.		C. V. % (ENTRY x ENV)	

T 6 = B73Ht x Mo17Ht

Table 73. Experiment C22 Clayton, N.C. TROPHY (cycle 2) and Low Moisture C2 & C3, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C22	1	142	19.8	95	0	5	105	157	265	71	.1	138	8.93	7213	AG155 X N503 F5S5 XT6	4225X26 (86) 7671-1 (85)
C22	2	135	20.0	96	2	3	103	144	258	72	.4	131	8.46	7222	AG155 X N503 F5S5 XT6	4227X28 (86) 7677-1 (85)
C22	3	132	20.5	90	1	9	102	145	255	71	.3	119	8.27	7227	AG155 X N503 F5S5 XT6	453X54 (86) 7680-1 (85)
C22	4	130	19.2	94	2	5	103	142	254	71	-.1	129	8.20	7232	AG155 X N503 F5S5 XT6	4231X32 (86) 7683-1 (85)
C22	5	126	19.4	92	3	5	105	148	255	71	1.0	120	7.94	7237	AG155 X N503 F5S5 XT6	539X40 (87) 7685-2 (85)
C22	6	128	19.7	95	0	6	104	147	257	71	.7	125	8.02	7242	AG155 X N503 F5S5 XT6	545X46 (86) 7689-2 (85)
C22	7	133	19.0	96	1	3	106	142	252	71	-.4	133	8.33	7255	(304.504) X 155)F2S4 XT6	509X10 (86) 7825-1 (85)
C22	8	112	19.8	97	0	4	103	154	261	71	.0	111	7.03	7256	(304.504) X 155)F2S4 XT6	511X12 (86) 7826-1 (85)
C22	9	122	19.2	95	2	3	102	139	259	71	.0	122	7.67	7629	B73HT X TROPHY LM C2	1X 2 (87) 7235-12 (85)
C22	10	122	19.1	92	3	5	103	145	260	71	.7	117	7.63	7630	B73HT X TROPHY LM C2	3X 4 (87) 7235-24 (85)
C22	11	134	19.1	96	0	5	106	144	261	71	.3	135	8.40	7631	B73HT X TROPHY LM C3	5X 6 (87) 1602-7 (86)
C22	12	126	18.6	95	0	5	105	134	252	69	.3	128	7.90	7632	B73HT X TROPHY LM C3	7X 8 (87) 1602-38 (86)
C22	13	126	19.4	94	1	5	105	138	258	71	1.0	123	7.90	7633	B73HT X TROPHY LM C3	9X10 (87) 1602-101(86)
C22	14	123	19.6	95	0	4	103	139	252	71	.3	119	7.72	7634	B73HT X TROPHY LM C3	11X12 (87) 1602-113(86)
C22	15	121	19.4	95	0	5	98	145	256	71	.1	120	7.59	7635	B73HT X TROPHY LM C3	13X14 (87) 1602-115(86)
C22	16	132	19.3	96	0	4	105	137	256	71	.0	131	8.26	7637	B73HT X TROPHY LM C3	17X18 (87) 1602-124(86)
C22	17	129	20.6	96	0	4	103	134	249	71	.0	123	8.08	907	DEKALB 789	REC. 1987
C22	18	140	20.3	97	2	1	106	134	249	74	-.1	135	8.79	902	PIONEER 3165	REC. 1987
C22	19	146	18.1	98	0	2	106	132	249	71	-.3	155	9.17	909	DEKALB 689	REC. 1986
C22	20	131	16.5	100	0	0	102	131	250	67	.1	149	8.24	901	B73HT x Mo17HT	REC. 1987
		129	19.3	95	1	4	104	142	256	71	.2	128	8.13		EXPERIMENT MEANS	
		13	.6	5	3	5	6	17	9	1	1.0	14	.83		LSD .05 (ENTRY x REP)	
		18	.9	7	4	7	9	23	12	1	1.4	19	1.11		LSD .01 (ENTRY x REP)	
		6	2.0	3	226	76	4	7	2	1	283	7	6.		C. V. % (ENTRY x REP)	
		88	104.	112	92	135	98	107	148	97	102	91	88.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 74. Experiment L22 Lewiston, N.C. TROPHY (cycle 2) and Low Moisture C2 & C3, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L22	1	114	21.9	89	7	3	102	147	269	0	.0	92	7.14	7213	AG155 X H503 F5S5 XT6	4225X26 (86) 7671-1 (85)
L22	2	123	21.6	89	1	11	104	135	272	0	.0	104	7.71	7222	AG155 X H503 F5S5 XT6	4227X28 (86) 7677-1 (85)
L22	3	115	22.7	92	3	6	101	152	276	0	.0	93	7.22	7227	AG155 X H503 F5S5 XT6	453X54 (86) 7680-1 (85)
L22	4	103	21.5	90	4	6	103	145	265	0	.0	85	6.48	7232	AG155 X H503 F5S5 XT6	4231X32 (86) 7683-1 (85)
L22	5	105	21.2	69	18	13	108	138	268	0	.0	67	6.58	7237	AG155 X H503 F5S5 XT6	539X40 (87) 7685-2 (85)
L22	6	123	21.5	85	13	4	108	140	257	0	.0	100	7.71	7242	AG155 X H503 F5S5 XT6	545X46 (86) 7689-2 (85)
L22	7	109	20.2	80	14	6	102	140	273	0	.0	88	6.84	7255	(304.504) X 155)F2S4 XT6	509X10 (86) 7825-1 (85)
L22	8	102	22.4	92	3	5	98	138	273	0	.0	82	6.40	7256	(304.504) X 155)F2S4 XT6	511X12 (86) 7826-1 (85)
L22	9	102	20.2	93	2	4	101	142	267	0	.0	94	6.42	7629	B73HT X TROPHY LM C2	1X 2 (87) 7235-12 (85)
L22	10	114	21.5	94	0	6	103	140	272	0	.0	101	7.17	7630	B73HT X TROPHY LM C2	3X 4 (87) 7235-24 (85)
L22	11	114	22.2	94	3	3	103	150	272	0	.0	97	7.16	7631	B73HT X TROPHY LM C3	5X 6 (87) 1602-7 (86)
L22	12	109	21.7	79	8	13	103	152	270	0	.0	80	6.82	7632	B73HT X TROPHY LM C3	7X 8 (87) 1602-38 (86)
L22	13	102	21.4	91	5	1	92	133	264	0	.0	86	6.43	7633	B73HT X TROPHY LM C3	9X10 (87) 1602-101(86)
L22	14	105	21.9	76	6	17	99	130	267	0	.0	71	6.61	7634	B73HT X TROPHY LM C3	11X12 (87) 1602-113(86)
L22	15	105	20.6	93	0	8	96	150	268	0	.0	95	6.58	7635	B73HT X TROPHY LM C3	13X14 (87) 1602-115(86)
L22	16	119	21.2	91	4	7	107	143	269	0	.0	104	7.44	7637	B73HT X TROPHY LM C3	17X18 (87) 1602-124(86)
L22	17	118	22.6	96	0	2	103	140	263	0	.0	101	7.41	907	DEKALB 789	REC. 1987
L22	18	118	21.7	93	4	2	101	130	257	0	.0	102	7.38	902	PIONEER 3165	REC. 1987
L22	19	130	19.4	96	0	6	107	145	275	0	.0	129	8.18	909	DEKALB 689	REC. 1986
L22	20	133	19.6	95	0	5	99	142	268	0	.0	130	8.34	901	B73HT x Mo17HT	REC. 1987
		113	21.3	89	5	6	102	142	268	0	.0	95	7.10		EXPERIMENT MEANS	
		25	1.1	11	9	8	7	17	12	0	.0	34	1.58		LSD .05 (ENTRY x REP)	
		34	1.5	15	13	11	9	22	16	0	.0	46	2.14		LSD .01 (ENTRY x REP)	
		13	3.1	8	119	78	4	7	3	0	0	22	13.		C. V. % (ENTRY x REP)	
		100	101.	100	93	112	91	87	110	0	0	98	100.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17HT

Table 75. Experiment P22 Plymouth, N.C. TROPHY (cycle 2) and Low Moisture C2 & C3, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P22	1	125	20.2	91	0	9	105	158	259	0	.0	115	7.84	7213	AG155 X H503 F5S5 XT6	4225X26 (86) 7671-1 (85)
P22	2	117	20.5	94	0	6	102	148	263	0	.0	108	7.35	7222	AG155 X H503 F5S5 XT6	4227X28 (86) 7677-1 (85)
P22	3	122	21.9	96	0	4	107	140	258	0	.0	108	7.64	7227	AG155 X H503 F5S5 XT6	453X54 (86) 7680-1 (85)
P22	4	119	20.9	92	0	8	100	155	259	0	.0	106	7.45	7232	AG155 X H503 F5S5 XT6	4231X32 (86) 7683-1 (85)
P22	5	122	20.7	93	0	7	95	149	259	0	.0	111	7.66	7237	AG155 X H503 F5S5 XT6	539X40 (87) 7685-2 (85)
P22	6	126	20.5	95	0	5	102	144	258	0	.0	118	7.88	7242	AG155 X H503 F5S5 XT6	545X46 (86) 7689-2 (85)
P22	7	124	19.6	96	0	4	103	148	263	0	.0	122	7.80	7255	(304.504) X 155)F2S4 XT6	509X10 (86) 7825-1 (85)
P22	8	107	20.6	98	0	2	92	147	268	0	.0	103	6.74	7256	(304.504) X 155)F2S4 XT6	511X12 (86) 7826-1 (85)
P22	9	106	19.7	91	0	9	96	145	257	0	.0	98	6.63	7629	B73HT X TROPHY LM C2	1X 2 (87) 7235-12 (85)
P22	10	113	20.2	90	0	10	99	140	260	0	.0	102	7.08	7630	B73HT X TROPHY LM C2	3X 4 (87) 7235-24 (85)
P22	11	123	20.2	90	0	10	98	151	270	0	.0	112	7.70	7631	B73HT X TROPHY LM C3	5X 6 (87) 1602-7 (86)
P22	12	123	20.8	91	0	9	98	145	262	0	.0	110	7.72	7632	B73HT X TROPHY LM C3	7X 8 (87) 1602-38 (86)
P22	13	113	20.1	93	0	7	99	144	262	0	.0	106	7.07	7633	B73HT X TROPHY LM C3	9X10 (87) 1602-101(86)
P22	14	107	20.4	90	0	10	95	130	252	0	.0	95	6.71	7634	B73HT X TROPHY LM C3	11X12 (87) 1602-113(86)
P22	15	105	20.1	88	0	12	100	142	253	0	.0	92	6.57	7635	B73HT X TROPHY LM C3	13X14 (87) 1602-115(86)
P22	16	123	20.0	93	0	7	104	138	262	0	.0	116	7.70	7637	B73HT X TROPHY LM C3	17X18 (87) 1602-124(86)
P22	17	119	21.5	93	0	7	102	135	248	0	.0	105	7.46	907	DEKALB 789	REC. 1987
P22	18	140	21.4	98	0	2	107	142	255	0	.0	131	8.76	902	PIONEER 3165	REC. 1987
P22	19	127	19.5	90	0	10	99	131	257	0	.0	120	7.97	909	DEKALB 689	REC. 1986
P22	20	133	18.9	97	0	3	107	129	259	0	.0	136	8.37	901	B73HT x Mo17HT	REC. 1987
		120	20.4	93	0	7	101	143	259	0	.0	111	7.50		EXPERIMENT MEANS	
		15	.7	7	0	7	10	12	7	0	.0	19	.95		LSD .05 (ENTRY x REP)	
		20	1.0	10	0	10	13	16	10	0	.0	26	1.27		LSD .01 (ENTRY x REP)	
		8	2.2	5	0	63	6	5	2	0	0	11	8.		C. V. % (ENTRY x REP)	
		93	96.	83	0	83	102	102	181	0	0	97	93.		R. E % (LATTICE)	

T 6 = B73Ht x Mo17Ht

Table 76. Experiment 23 Analysis over locations and years for Trophy (Cycle 2) x Ku2301 set 1, 1988

Year 1988: Plymouth, N.C.
Year 1987: Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
23	1	92	20.4	97	0	3	105	125	263	81	1.1	87	5.76	7489	(105.H5) X 101)F2S4 XT8 4511X12 (86)	7968-2 (85)
23	2	102	22.9	94	0	6	106	128	257	82	.9	82	6.42	7419	(105.H5) X 155)F2S4 XT8 4371X72 (86)	7846-2 (85)
23	3	93	22.7	95	0	6	103	133	279	84	1.1	75	5.82	7509	(105.5)X(155.504)F2S4XT8 4551X52 (86)	8007-1 (85)
23	4	81	21.6	96	0	5	105	125	255	82	.9	68	5.06	7478	(105.H5) X 101)F2S4 XT8 4489X90 (86)	7952-1 (85)
23	5	73	22.9	97	0	4	105	118	241	85	1.7	55	4.58	7470	155 X (105.306))F2S4 XT8 4473X74 (86)	7928-1 (85)
23	6	68	22.5	99	0	2	104	120	258	85	1.9	54	4.23	7474	(105.H5) X 101)F2S4 XT8 4481X82 (86)	7948-1 (85)
23	7	97	21.2	87	1	13	104	130	263	81	1.1	78	6.08	7486	(105.H5) X 101)F2S4 XT8 4505X 6 (86)	7965-1 (85)
23	8	78	23.4	95	0	6	105	128	258	84	1.5	56	4.90	7409	(105.H5) X 155)F2S4 XT8 4351X52 (86)	7835-1 (85)
23	9	94	21.0	99	0	1	101	122	248	82	.8	88	5.86	7512	(105.5)X(155.504)F2S4XT8 4557X58 (86)	8021-1 (85)
23	10	96	22.9	94	0	6	109	129	268	84	1.4	76	6.02	7505	(105.5)X(155.504)F2S4XT8 4543X44 (86)	8005-1 (85)
23	11	97	22.8	99	0	1	105	124	250	83	.4	82	6.10	7418	(105.H5) X 155)F2S4 XT8 4369X70 (86)	7846-1 (85)
23	12	79	21.9	97	0	3	106	124	257	83	1.1	67	4.96	7514	(105.101)X(155.504) XT8 4561X62 (86)	8023-1 (85)
23	13	85	22.5	97	0	4	106	125	252	84	1.3	69	5.30	7525	(105.155)X 155)F2S4 XT8 4583X84 (86)	8050-1 (85)
23	14	68	22.5	99	0	2	108	116	241	84	2.3	54	4.22	7402	P105F6S1.H5F6S1)F2S4 XT8 4337X38 (86)	7820-1 (85)
23	15	65	22.0	99	0	2	106	125	262	86	1.8	54	4.06	7435	155 X (304.101))F2S4 XT8 4119X20 (86)	7890-1 (85)
23	16	107	22.7	100	0	1	104	125	250	81	.5	93	6.72	7420	(105.H5) X 155)F2S4 XT8 4373X74 (86)	7848-1 (85)
23	17	93	21.0	95	0	5	99	126	259	81	1.0	83	5.82	7490	(105.H5) X 101)F2S4 XT8 4513X14 (86)	7968-3 (85)
23	18	92	23.6	96	0	4	105	122	250	84	1.4	70	5.76	7408	(105.H5) X 155)F2S4 XT8 4349X50 (86)	7833-1 (85)
23	19	71	23.2	98	0	2	106	127	256	86	1.9	53	4.44	7518	(105.155)X(304.504) XT8 4569X70 (86)	8037-1 (85)
23	20	81	22.3	99	0	2	105	127	260	83	1.2	67	5.06	7443	(105.H5) X 155)F2S4 XT8 4419X20 (86)	7873-1 (85)
23	21	86	23.7	99	0	1	104	115	238	84	1.2	67	5.36	7460	(105.306) X 155)F2S4 XT8 4453X54 (86)	7915-1 (85)
23	22	81	22.1	95	0	5	105	130	268	83	1.7	65	5.07	7483	(105.H5) X 101)F2S4 XT8 4499X 0 (86)	7962-2 (85)
23	23	82	22.0	97	0	4	103	133	269	84	1.3	69	5.13	7425	(105.H5) X 155)F2S4 XT8 4383X84 (86)	7861-2 (85)
23	24	65	24.4	97	0	4	106	123	257	86	2.0	39	4.05	7495	(105.306) X 101)F2S4 XT8 4523X24 (86)	7973-2 (85)
23	25	77	23.8	99	0	2	104	122	259	85	1.7	57	4.82	7498	105 X (304.504))F2S4 XT8 4529X30 (86)	7989-1 (85)
23	26	74	24.0	100	0	1	110	106	215	81	1.4	54	4.63	7473	(105.155) X H5)F2S4 XT8 4479X80 (86)	7934-1 (85)
23	27	82	21.9	95	0	5	107	130	275	85	1.5	68	5.13	7482	(105.H5) X 101)F2S4 XT8 4497X98 (86)	7962-1 (85)
23	28	129	20.5	98	0	3	108	117	249	79	-.4	125	8.08	902	PIONEER 3165	REC. 1987
23	29	72	24.0	98	0	3	103	124	244	85	2.2	50	4.52	916	KU 2301	UM6A109024
23	30	118	16.8	98	0	3	99	112	248	75	.2	131	7.36	901	B73HT X MO17HT	REC. 1987
		86	22.3	97	0	3	105	124	255	83	1.3	71	5.38		EXPERIMENT MEANS	
		16	1.6	8	0	7	9	10	16	3	.9	18	.92		LSD .05 (ENTRY x ENV)	
		20	2.1	11	0	10	12	14	21	3	1.2	24	1.22		LSD .01 (ENTRY x ENV)	
		7	3.	4	774	91	3	4	4	2	25	11	7.		C. V. % (ENTRY x ENV)	

T 8 = KU2301

Table 77. Experiment P23 Plymouth, N.C. Trophy (Cycle 2) x Ku2301 set 1, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P23	1	92	22.8	94	0	6	107	131	287	79	.9	72	5.77	7489	(105.H5) X 101)F2S4 XT8 4511X12 (86)	7968-2 (85)
P23	2	101	26.0	89	0	11	108	132	281	80	.7	60	6.35	7419	(105.H5) X 155)F2S4 XT8 4371X72 (86)	7846-2 (85)
P23	3	94	25.8	89	0	11	104	142	309	83	1.0	54	5.90	7509	(105.5)X(155.504)F2S4XT8 4551X52 (86)	8007-1 (85)
P23	4	80	24.3	91	0	9	107	132	281	81	.6	49	5.01	7478	(105.H5) X 101)F2S4 XT8 4489X90 (86)	7952-1 (85)
P23	5	72	26.6	94	0	6	108	120	271	83	1.4	33	4.52	7470	155 X (105.306))F2S4 XT8 4473X74 (86)	7928-1 (85)
P23	6	71	25.7	97	0	3	105	122	279	82	1.7	39	4.45	7474	(105.H5) X 101)F2S4 XT8 4481X82 (86)	7948-1 (85)
P23	7	89	23.6	77	0	23	104	135	285	80	1.3	48	5.56	7486	(105.H5) X 101)F2S4 XT8 4505X 6 (86)	7965-1 (85)
P23	8	82	27.3	90	0	10	108	133	283	82	1.0	35	5.13	7409	(105.H5) X 155)F2S4 XT8 4351X52 (86)	7835-1 (85)
P23	9	89	24.2	98	0	2	99	122	276	81	.7	66	5.57	7512	(105.5)X(155.504)F2S4XT8 4557X58 (86)	8021-1 (85)
P23	10	94	25.7	90	0	10	110	133	290	83	1.7	56	5.88	7505	(105.5)X(155.504)F2S4XT8 4543X44 (86)	8005-1 (85)
P23	11	97	26.9	98	0	2	106	125	276	81	.3	60	6.08	7418	(105.H5) X 155)F2S4 XT8 4369X70 (86)	7846-1 (85)
P23	12	74	24.6	94	0	6	109	125	276	81	1.0	45	4.66	7514	(105.101)X(155.504) XT8 4561X62 (86)	8023-1 (85)
P23	13	80	25.8	94	0	6	105	129	278	82	1.0	45	5.00	7525	(105.155)X 155)F2S4 XT8 4583X84 (86)	8050-1 (85)
P23	14	76	25.5	98	0	2	111	117	266	80	2.0	47	4.75	7402	P105F6S1.H5F6S1)F2S4 XT8 4337X38 (86)	7820-1 (85)
P23	15	62	25.3	98	0	2	109	130	279	84	1.9	34	3.89	7435	155 X (304.101))F2S4 XT8 4119X20 (86)	7890-1 (85)
P23	16	109	25.9	99	0	1	108	130	282	79	.7	79	6.86	7420	(105.H5) X 155)F2S4 XT8 4373X74 (86)	7848-1 (85)
P23	17	92	23.3	91	0	9	106	128	271	79	1.0	66	5.75	7490	(105.H5) X 101)F2S4 XT8 4513X14 (86)	7968-3 (85)
P23	18	89	26.7	95	0	5	108	120	263	83	1.3	51	5.61	7408	(105.H5) X 155)F2S4 XT8 4349X50 (86)	7833-1 (85)
P23	19	72	26.0	97	0	3	108	132	276	84	1.7	39	4.54	7518	(105.155)X(304.504) XT8 4569X70 (86)	8037-1 (85)
P23	20	84	26.1	98	0	2	107	129	279	82	1.3	50	5.29	7443	(105.H5) X 155)F2S4 XT8 4419X20 (86)	7873-1 (85)
P23	21	86	26.6	98	0	2	106	118	260	82	.7	52	5.40	7460	(105.306) X 155)F2S4 XT8 4453X54 (86)	7915-1 (85)
P23	22	79	25.4	92	0	8	110	134	296	82	1.3	43	4.96	7483	(105.H5) X 101)F2S4 XT8 4499X 0 (86)	7962-2 (85)
P23	23	86	25.8	94	0	6	107	139	288	81	1.0	51	5.37	7425	(105.H5) X 155)F2S4 XT8 4383X84 (86)	7861-2 (85)
P23	24	57	27.3	93	0	7	108	125	272	84	2.0	13	3.58	7495	(105.306) X 101)F2S4 XT8 4523X24 (86)	7973-2 (85)
P23	25	76	27.0	97	0	3	105	126	282	83	1.4	39	4.78	7498	105 X (304.504))F2S4 XT8 4529X30 (86)	7989-1 (85)
P23	26	77	27.1	99	0	1	113	116	243	79	.7	42	4.85	7473	(105.155) X H5)F2S4 XT8 4479X80 (86)	7934-1 (85)
P23	27	80	25.6	90	0	10	112	135	305	83	1.0	42	5.03	7482	(105.H5) X 101)F2S4 XT8 4497X98 (86)	7962-1 (85)
P23	28	126	22.6	96	0	4	109	119	274	78	-.2	110	7.89	902	PIONEER 3165	REC. 1987
P23	29	60	27.2	96	0	4	107	130	280	83	1.9	20	3.78	916	KU 2301	UM6A109024
P23	30	121	18.6	95	0	5	102	111	280	73	.0	122	7.57	901	B73HT X MO17HT	REC. 1987
		85	25.4	94	0	6	107	127	279	81	1.1	52	5.33		EXPERIMENT MEANS	
		15	1.1	7	0	7	8	9	15	2	.9	17	.92		LSD .05 (ENTRY x REP)	
		19	1.5	10	0	10	11	13	20	2	1.2	23	1.22		LSD .01 (ENTRY x REP)	
		11	2.6	5	0	76	5	5	3	1	49	20	11.		C. V. % (ENTRY x REP)	
		96	108.	91	0	91	92	104	103	100	101	95	96.		R. E % (LATTICE)	

T 8 = KU2301

Table 78. Experiment 24 Analysis over locations and years for Trophy (Cycle 2) x Ku2301 set 2, 1988

Year 1988: Plymouth, N.C.
Year 1987: Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
24	1	86	22.6	99	1	2	105	135	268	84	1.1	72	5.36	7433	(105.H5) X 155)F2S4 XT8 4399X 0 (86)	7863-3 (85)
24	2	89	23.5	97	0	4	104	134	275	83	1.2	68	5.57	7503	105 X (304.101))F2S4 XT8 4539X40 (86)	8001-1 (85)
24	3	92	21.3	99	0	2	103	105	240	77	.3	84	5.78	7520	(105.H5)X(304.504) XT8 4573X74 (86)	8041-1 (85)
24	4	82	23.0	95	0	5	105	137	269	84	1.4	63	5.15	7464	(105.306) X 155)F2S4 XT8 4461X62 (86)	7922-1 (85)
24	5	70	22.1	98	0	2	101	131	252	82	1.1	58	4.38	7414	(105.H5) X 155)F2S4 XT8 4361X62 (86)	7839-3 (85)
24	6	79	21.6	96	0	5	106	135	277	83	1.2	67	4.98	7484	(105.H5) X 101)F2S4 XT8 4501X 2 (86)	7963-1 (85)
24	7	84	23.9	95	0	5	103	133	258	84	1.1	59	5.25	7457	155 X (304.101))F2S4 XT8 4447X48 (86)	7910-1 (85)
24	8	68	22.3	100	0	0	104	122	267	84	1.7	56	4.23	7476	(105.H5) X 101)F2S4 XT8 4485X86 (86)	7948-3 (85)
24	9	87	21.8	98	0	3	103	142	283	84	1.5	75	5.44	7444	(105.H5) X 155)F2S4 XT8 4421X22 (86)	7874-1 (85)
24	10	86	21.7	98	0	2	105	134	264	82	.8	77	5.42	7441	(105.H5) X 155)F2S4 XT8 4415X16 (86)	7872-2 (85)
24	11	82	21.8	99	0	2	104	137	266	83	.9	72	5.16	7429	(105.H5) X 155)F2S4 XT8 4391X92 (86)	7862-3 (85)
24	12	81	22.7	96	0	4	106	124	258	84	1.0	64	5.09	7449	155 X (304.101))F2S4 XT8 4431X32 (86)	7893-1 (85)
24	13	89	22.0	94	0	6	102	125	253	82	1.2	74	5.56	7527	(105.155)X 155)F2S4 XT8 4587X88 (86)	8051-1 (85)
24	14	72	23.5	100	0	1	105	137	271	86	1.8	54	4.50	7456	155 X (304.101))F2S4 XT8 4445X46 (86)	7908-3 (85)
24	15	89	22.3	99	0	1	103	134	262	82	1.2	77	5.61	7435	(105.H5) X 155)F2S4 XT8 4403X 4 (86)	7865-1 (85)
24	16	70	22.0	96	0	4	102	135	259	86	1.5	57	4.41	7462	(105.306) X 155)F2S4 XT8 4457X58 (86)	7917-1 (85)
24	17	79	22.2	95	0	5	100	130	257	84	1.2	62	4.93	7403	105F6S2.101F6S1)F2S4 XT8 4339X40 (86)	7821-1 (85)
24	18	78	21.9	98	0	3	105	131	260	84	1.6	66	4.89	7511	(105.5)X(155.504)F2S4XT8 4555X56 (86)	8020-2 (85)
24	19	73	22.3	99	0	1	100	123	251	82	.8	61	4.56	7411	(105.H5) X 155)F2S4 XT8 4355X56 (86)	7838-2 (85)
24	20	92	22.8	98	0	2	102	136	267	83	.9	76	5.77	7446	(105.H5) X 155)F2S4 XT8 4425X26 (86)	7876-1 (85)
24	21	91	22.0	100	0	1	100	136	271	83	1.3	81	5.70	7427	(105.H5) X 155)F2S4 XT8 4387X88 (86)	7862-1 (85)
24	22	68	24.0	99	0	1	103	135	271	86	1.9	48	4.26	7455	155 X (304.101))F2S4 XT8 4443X44 (86)	7908-2 (85)
24	23	86	23.0	96	0	4	106	136	263	84	1.3	68	5.39	7406	(304.504) X 155)FXS4 XT8 4345X46 (86)	7824-3 (85)
24	24	91	24.5	97	0	3	102	131	261	86	1.8	66	5.73	7515	(105.155)X(304.504) XT8 4563X64 (86)	8035-1 (85)
24	25	83	23.1	96	0	5	101	134	262	85	1.3	62	5.17	7400	105F6S1.155F6S1)F2S4 XT8 4333X34 (86)	7811-1 (85)
24	26	79	23.8	97	0	4	103	132	261	85	2.0	56	4.96	7522	(105.H5)X(304.504) XT8 4577X78 (86)	8047-1 (85)
24	27	95	23.2	96	0	5	103	138	273	84	1.3	75	5.98	7405	(304.504) X 155)FXS4 XT8 4343X44 (86)	7824-2 (85)
24	28	129	20.4	95	0	5	104	114	256	80	-.3	123	8.11	902	PIONEER 3165	REC. 1987
24	29	73	23.8	98	0	2	103	131	254	86	1.8	52	4.60	916	KU 2301	UW6A109024
24	30	116	17.2	97	0	4	102	125	251	75	1.0	127	7.27	901	B73HT X MO17HT	REC. 1987
		84	22.4	97	0	3	103	131	262	83	1.2	70	5.30		EXPERIMENT MEANS	
		15	1.6	7	0	6	11	12	16	3	.9	16	.86		LSD .05 (ENTRY x ENV)	
		19	2.2	8	0	7	14	16	20	3	1.3	21	1.15		LSD .01 (ENTRY x ENV)	
		8	4.	2	774	61	3	3	3	1	27	10	7.		C. V. % (ENTRY x ENV)	

T 8 = KU2301

Table 79. Experiment P24 Plymouth, N.C. Trophy (Cycle 2) x Ku2301 set 2, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P24	1	89	26.5	99	1	1	103	137	282	83	1.0	55	5.59	7433	(105.H5) X 155)F2S4 XT8 4399X 0 (86)	7863-3 (85)
P24	2	90	27.0	94	0	6	109	137	305	82	.7	49	5.68	7503	105 X (304.101))F2S4 XT8 4539X40 (86)	8001-1 (85)
P24	3	94	24.0	97	0	3	103	107	263	77	.0	71	5.93	7520	(105.H5)X(304.504) XT8 4573X74 (86)	8041-1 (85)
P24	4	83	26.8	92	0	8	108	140	290	83	.7	41	5.22	7464	(105.306) X 155)F2S4 XT8 4461X62 (86)	7922-1 (85)
P24	5	68	25.9	98	0	2	101	137	283	81	1.1	36	4.24	7414	(105.H5) X 155)F2S4 XT8 4361X62 (86)	7839-3 (85)
P24	6	76	24.9	93	0	7	108	137	303	83	1.3	45	4.79	7484	(105.H5) X 101)F2S4 XT8 4501X 2 (86)	7963-1 (85)
P24	7	91	27.5	94	0	6	103	135	280	84	.6	47	5.73	7457	155 X (304.101))F2S4 XT8 4447X48 (86)	7910-1 (85)
P24	8	61	26.3	100	0	0	106	122	287	83	1.4	30	3.84	7476	(105.H5) X 101)F2S4 XT8 4485X86 (86)	7948-3 (85)
P24	9	93	25.8	97	0	3	105	145	303	82	1.0	61	5.87	7444	(105.H5) X 155)F2S4 XT8 4421X22 (86)	7874-1 (85)
P24	10	83	25.3	98	0	2	105	140	297	81	.7	56	5.22	7441	(105.H5) X 155)F2S4 XT8 4415X16 (86)	7872-2 (85)
P24	11	85	25.5	99	0	1	105	140	289	83	.7	57	5.36	7429	(105.H5) X 155)F2S4 XT8 4391X92 (86)	7862-3 (85)
P24	12	78	26.4	94	0	6	109	125	277	83	.7	40	4.90	7449	155 X (304.101))F2S4 XT8 4431X32 (86)	7893-1 (85)
P24	13	94	25.5	90	0	10	101	127	273	81	.6	57	5.88	7527	(105.155)X 155)F2S4 XT8 4587X88 (86)	8051-1 (85)
P24	14	75	27.4	99	0	1	107	140	300	84	1.3	38	4.73	7456	155 X (304.101))F2S4 XT8 4445X46 (86)	7908-3 (85)
P24	15	94	26.5	98	0	2	102	140	292	81	.7	60	5.92	7435	(105.H5) X 155)F2S4 XT8 4403X 4 (86)	7865-1 (85)
P24	16	74	25.3	94	0	6	101	137	279	84	1.0	42	4.66	7462	(105.306) X 155)F2S4 XT8 4457X58 (86)	7917-1 (85)
P24	17	72	25.0	93	0	7	99	135	288	83	1.4	40	4.50	7403	105F6S2.101F6S1)F2S4 XT8 4339X40 (86)	7821-1 (85)
P24	18	79	25.3	95	0	5	106	135	283	84	1.0	48	4.97	7511	(105.5)X(155.504)F2S4XT8 4555X56 (86)	8020-2 (85)
P24	19	75	25.8	98	0	2	103	128	287	81	.3	44	4.69	7411	(105.H5) X 155)F2S4 XT8 4355X56 (86)	7838-2 (85)
P24	20	92	26.5	97	0	3	102	137	288	83	.7	56	5.76	7446	(105.H5) X 155)F2S4 XT8 4425X26 (86)	7876-1 (85)
P24	21	90	25.8	99	0	1	96	137	287	83	1.1	60	5.67	7427	(105.H5) X 155)F2S4 XT8 4387X88 (86)	7862-1 (85)
P24	22	74	28.0	98	0	2	104	137	295	85	1.7	32	4.62	7455	155 X (304.101))F2S4 XT8 4443X44 (86)	7908-2 (85)
P24	23	82	26.6	93	0	7	109	140	288	83	1.0	43	5.17	7406	(304.504) X 155)FXS4 XT8 4345X46 (86)	7824-3 (85)
P24	24	89	27.7	95	0	5	103	132	288	85	1.7	45	5.58	7515	(105.155)X(304.504) XT8 4563X64 (86)	8035-1 (85)
P24	25	87	26.6	93	0	7	105	140	287	84	.7	46	5.44	7400	105F6S1.155F6S1)F2S4 XT8 4333X34 (86)	7811-1 (85)
P24	26	82	27.4	93	0	7	107	137	285	83	1.6	38	5.13	7522	(105.H5)X(304.504) XT8 4577X78 (86)	8047-1 (85)
P24	27	94	26.9	94	0	6	105	142	293	84	.6	54	5.90	7405	(304.504) X 155)FXS4 XT8 4343X44 (86)	7824-2 (85)
P24	28	130	22.5	91	0	9	104	118	287	79	-.7	109	8.17	902	PIONEER 3165	REC. 1987
P24	29	61	27.2	98	0	2	105	137	283	84	1.6	23	3.85	916	KU 2301	UW6A109024
P24	30	119	18.8	95	0	5	106	140	277	74	.7	121	7.45	901	B73HT X MO17HT	REC. 1987
		85	25.9	96	0	4	104	135	287	82	.9	51	5.35		EXPERIMENT MEANS	
		14	.7	6	0	6	10	11	15	2	.9	15	.86		LSD .05 (ENTRY x REP)	
		18	1.0	7	0	7	13	15	19	2	1.3	20	1.15		LSD .01 (ENTRY x REP)	
		10	1.7	4	0	80	6	5	3	1	64	18	10.		C. V. % (ENTRY x REP)	
		100	103.	86	0	86	103	100	100	100	102	101	100.		R. E % (LATTICE)	

T 8 = KU2301

Table 80. Experiment 25 Analysis over locations and years for Trophy (Cycle 2) x Ku2301 set 3, 1988

Year 1988: Plymouth
Year 1987: Plymouth

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
25	1	82	23.9	96	0	5	97	133	256	84	1.9	59	5.15	7493	(105.306) X 101)F2S4 XT8 4519X20 (86)	7972-1 (85)
25	2	84	22.3	97	0	4	95	141	265	83	1.0	70	5.29	7437	(105.H5) X 155)F2S4 XT8 4407X 8 (86)	7868-1 (85)
25	3	92	22.7	99	0	2	100	134	247	84	1.2	77	5.73	7526	(105.155)X 155)F2S4 XT8 4585X86 (86)	8050-2 (85)
25	4	83	21.9	96	0	4	104	122	241	82	.7	70	5.19	7529	(105.155)X 155)F2S4 XT8 4591X92 (86)	8053-1 (85)
25	5	88	22.6	96	0	5	103	142	275	85	1.4	70	5.50	7445	(105.H5) X 155)F2S4 XT8 4423X24 (86)	7875-1 (85)
25	6	105	23.4	99	0	1	104	135	265	85	1.5	88	6.61	7438	105 X (306.H5))F2S4 XT8 4125X26 (86)	7995-1 (85)
25	7	84	21.7	96	0	5	103	123	248	82	.7	71	5.26	7451	155 X (304.101))F2S4 XT8 4435X36 (86)	7893-3 (85)
25	8	90	21.5	98	0	2	100	124	261	83	1.2	80	5.66	7510	(105.5)X(155.504)F2S4XT8 4553X54 (86)	8020-1 (85)
25	9	80	22.7	98	0	2	100	126	254	82	1.2	65	5.02	7415	(105.H5) X 155)F2S4 XT8 4363X64 (86)	7840-1 (85)
25	10	82	24.1	98	0	2	102	126	248	86	1.7	59	5.11	7468	155 X (105.306))F2S4 XT8 4469X70 (86)	7927-1 (85)
25	11	78	22.3	98	0	2	105	127	244	84	1.5	65	4.90	7466	155 X (105.306))F2S4 XT8 4465X66 (86)	7925-2 (85)
25	12	90	22.2	97	0	4	102	133	256	84	.7	76	5.67	7447	155 X (304.101))F2S4 XT8 4427X28 (86)	7891-1 (85)
25	13	78	23.6	99	0	1	103	131	254	86	1.7	59	4.87	7524	(105.H5)X(304.504) XT8 4581X82 (86)	8047-3 (85)
25	14	85	22.0	99	0	2	107	136	262	84	1.4	74	5.35	7519	(105.155)X(304.504) XT8 4571X72 (86)	8038-1 (85)
25	15	89	23.6	98	0	3	101	128	254	84	1.9	68	5.57	7458	(105.306) X 155)F2S4 XT8 4449X50 (86)	7914-1 (85)
25	16	88	21.9	96	0	4	102	137	257	83	1.4	74	5.50	7426	(105.H5) X 155)F2S4 XT8 4385X86 (86)	7861-3 (85)
25	17	70	23.6	96	0	5	102	135	268	85	1.5	48	4.40	7500	105 X (304.504))F2S4 XT8 4533X34 (86)	7991-1 (85)
25	18	93	21.8	97	0	3	103	129	255	82	1.2	81	5.81	7513	(105.5)X(155.504)F2S4XT8 4559X60 (86)	8021-2 (85)
25	19	78	22.2	97	0	3	108	130	253	84	1.9	64	4.87	7465	155 X (105.306))F2S4 XT8 4463X64 (86)	7925-1 (85)
25	20	91	21.7	99	0	1	107	139	269	84	1.2	81	5.69	7428	(105.H5) X 155)F2S4 XT8 4389X90 (86)	7862-2 (85)
25	21	94	21.6	99	0	2	106	138	261	83	1.5	85	5.90	7442	(105.H5) X 155)F2S4 XT8 4417X18 (86)	7872-3 (85)
25	22	76	22.2	97	0	3	105	132	265	84	1.3	62	4.77	7504	105 X (304.101))F2S4 XT8 4541X42 (86)	8003-1 (85)
25	23	88	23.2	96	0	5	104	142	283	85	1.7	68	5.48	7481	(105.H5) X 101)F2S4 XT8 4495X96 (86)	7960-1 (85)
25	24	81	24.1	97	0	3	104	122	253	83	1.7	59	5.11	7459	(105.306) X 155)F2S4 XT8 4451X52 (86)	7914-2 (85)
25	25	84	24.9	98	1	2	106	135	261	85	1.7	58	5.25	7516	(105.155)X(304.504) XT8 4565X66 (86)	8035-3 (85)
25	26	83	23.2	97	0	4	100	142	280	85	2.0	63	5.17	7437	(105.H5) X 101)F2S4 XT8 4123X24 (86)	7959-1 (85)
25	27	77	23.8	98	0	2	104	128	250	85	1.4	56	4.81	7401	105F6S1.155F6S1)F2S4 XT8 4335X36 (86)	7811-2 (85)
25	28	129	20.3	95	2	3	107	116	258	79	-.5	123	8.07	902	PIONEER 3165	REC. 1987
25	29	76	23.9	98	0	3	102	133	260	85	2.0	54	4.79	916	KU 2301	UW6A109024
25	30	119	17.1	97	0	4	98	110	254	75	.0	130	7.45	901	B73HT X MO17HT	REC. 1987
		87	22.5	97	0	3	103	131	258	83	1.3	72	5.46		EXPERIMENT MEANS	
		12	1.5	7	2	6	11	13	18	2	.8	15	.70		LSD .05 (ENTRY x ENV)	
		16	2.0	10	2	8	15	16	23	2	1.1	20	.94		LSD .01 (ENTRY x ENV)	
		9	3.	3	606	68	4	3	3	2	29	13	9.		C. V. % (ENTRY x ENV)	

T 8 = KU2301

Table 81. Experiment P25 Plymouth, N.C. Trophy (Cycle 2) x Ku2301 set 3, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P25	1	79	27.3	92	0	8	98	142	287	83	1.0	35	4.97	7493	(105.306) X 101)F2S4 XT8 4519X20 (86)	7972-1 (85)
P25	2	84	26.0	94	0	6	95	147	283	82	1.0	48	5.29	7437	(105.H5) X 155)F2S4 XT8 4407X 8 (86)	7868-1 (85)
P25	3	86	25.4	98	0	2	98	143	277	83	.7	57	5.38	7526	(105.155)X 155)F2S4 XT8 4585X86 (86)	8050-2 (85)
P25	4	81	25.5	94	0	6	106	133	273	81	.7	47	5.07	7529	(105.155)X 155)F2S4 XT8 4591X92 (86)	8053-1 (85)
P25	5	89	26.4	91	0	9	101	147	300	83	1.0	48	5.61	7445	(105.H5) X 155)F2S4 XT8 4423X24 (86)	7875-1 (85)
P25	6	101	27.1	98	0	2	105	145	290	83	1.0	64	6.36	7438	105 X (306.H5))F2S4 XT8 4125X26 (86)	7995-1 (85)
P25	7	77	25.8	91	0	9	101	125	270	82	.7	40	4.84	7451	155 X (304.101))F2S4 XT8 4435X36 (86)	7893-3 (85)
P25	8	91	24.5	97	0	3	103	130	290	81	1.0	65	5.74	7510	(105.5)X(155.504)F2S4XT8 4553X54 (86)	8020-1 (85)
P25	9	87	26.1	97	0	3	97	133	283	80	.7	54	5.47	7415	(105.H5) X 155)F2S4 XT8 4363X64 (86)	7840-1 (85)
P25	10	86	27.4	98	0	2	103	130	270	84	1.0	45	5.37	7468	155 X (105.306))F2S4 XT8 4469X70 (86)	7927-1 (85)
P25	11	80	25.7	98	0	2	106	133	273	82	1.3	50	5.05	7466	155 X (105.306))F2S4 XT8 4465X66 (86)	7925-2 (85)
P25	12	82	26.1	94	0	6	100	138	283	84	.0	45	5.17	7447	155 X (304.101))F2S4 XT8 4427X28 (86)	7891-1 (85)
P25	13	82	27.4	99	0	1	109	137	278	83	1.0	44	5.16	7524	(105.H5)X(304.504) XT8 4581X82 (86)	8047-3 (85)
P25	14	83	25.1	97	0	3	107	138	287	83	.7	54	5.22	7519	(105.155)X(304.504) XT8 4571X72 (86)	8038-1 (85)
P25	15	98	27.0	96	0	4	105	133	283	81	1.0	59	6.13	7458	(105.306) X 155)F2S4 XT8 4449X50 (86)	7914-1 (85)
P25	16	93	25.1	93	0	7	102	145	290	81	1.0	59	5.83	7426	(105.H5) X 155)F2S4 XT8 4385X86 (86)	7861-3 (85)
P25	17	68	26.8	91	0	9	101	140	295	83	.7	25	4.29	7500	105 X (304.504))F2S4 XT8 4533X34 (86)	7991-1 (85)
P25	18	84	25.2	95	0	5	99	135	285	81	.7	54	5.26	7513	(105.5)X(155.504)F2S4XT8 4559X60 (86)	8021-2 (85)
P25	19	80	26.0	94	0	6	107	135	285	82	1.0	44	5.01	7465	155 X (105.306))F2S4 XT8 4463X64 (86)	7925-1 (85)
P25	20	95	25.0	98	0	2	109	140	292	82	.7	67	5.96	7428	(105.H5) X 155)F2S4 XT8 4389X90 (86)	7862-2 (85)
P25	21	87	25.5	97	0	3	103	145	290	81	1.3	58	5.47	7442	(105.H5) X 155)F2S4 XT8 4417X18 (86)	7872-3 (85)
P25	22	68	25.8	94	0	6	111	137	295	83	1.3	32	4.26	7504	105 X (304.101))F2S4 XT8 4541X42 (86)	8003-1 (85)
P25	23	84	27.0	94	0	6	107	147	310	84	1.0	44	5.27	7481	(105.H5) X 101)F2S4 XT8 4495X96 (86)	7960-1 (85)
P25	24	80	27.1	95	0	5	103	125	280	81	1.3	41	5.04	7459	(105.306) X 155)F2S4 XT8 4451X52 (86)	7914-2 (85)
P25	25	80	27.7	97	1	2	108	140	290	83	1.3	39	5.00	7516	(105.155)X(304.504) XT8 4565X66 (86)	8035-3 (85)
P25	26	75	26.8	96	0	4	102	145	307	83	1.7	36	4.70	7437	(105.H5) X 101)F2S4 XT8 4123X24 (86)	7959-1 (85)
P25	27	78	27.2	97	0	3	106	138	288	83	.7	38	4.87	7401	105F6S1.155F6S1)F2S4 XT8 4335X36 (86)	7811-2 (85)
P25	28	126	22.5	90	3	6	105	122	290	78	-.7	104	7.92	902	PIONEER 3165	REC. 1987
P25	29	64	26.9	95	0	5	108	143	297	83	1.7	24	4.03	916	KU 2301	UW6A109024
P25	30	124	18.9	93	0	7	104	110	288	72	.0	123	7.80	901	B73HT X MO17HT	REC. 1987
		86	25.9	95	0	5	104	137	287	82	.9	52	5.39		EXPERIMENT MEANS	
		11	.8	6	2	6	10	12	17	1	.8	14	.70		LSD .05 (ENTRY x REP)	
		15	1.0	9	2	8	14	15	22	1	1.1	19	.94		LSD .01 (ENTRY x REP)	
		8	1.8	4	785	78	6	5	4	1	55	17	8.		C. V. % (ENTRY x REP)	
		101	108.	94	95	98	100	100	100	93	98	98	101.		R. E % (LATTICE)	

T 8 = KU2301

Table 82. Experiment 26 Analysis over locations and years for Trophy (Cycle 2) x Ku2301 set 4, 1988

Year 1988: Plymouth
Year 1987: Plymouth

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
26	1	73	22.2	96	0	4	104	143	303	84	1.4	58	4.60	7485	(105.H5) X 101)F2S4 XT8 4503X 4 (86)	7964-1 (85)
26	2	78	22.7	97	0	4	104	139	269	84	1.0	62	4.88	7435	155 X (105.306))F2S4 XT8 4121X22 (86)	7925-4 (85)
26	3	85	22.5	98	0	3	108	135	288	82	.5	71	5.32	7416	(105.H5) X 155)F2S4 XT8 4365X66 (86)	7842-1 (85)
26	4	88	21.7	95	1	5	104	134	272	81	1.0	75	5.54	7528	(105.155)X 155)F2S4 XT8 4589X90 (86)	8051-2 (85)
26	5	105	22.3	95	0	5	105	140	292	83	1.4	88	6.56	7508	(105.5)X(155.504)F2S4XT8 4549X50 (86)	8006-3 (85)
26	6	76	21.8	98	0	2	104	141	287	85	1.7	64	4.73	7452	155 X (304.101))F2S4 XT8 4437X38 (86)	7896-1 (85)
26	7	81	22.4	99	0	1	99	133	271	84	1.2	67	5.03	7461	(105.306) X 155)F2S4 XT8 4455X56 (86)	7916-1 (85)
26	8	79	21.2	98	0	2	104	139	288	83	.9	71	4.93	7424	(105.H5) X 155)F2S4 XT8 4381X82 (86)	7861-1 (85)
26	9	94	22.4	97	0	4	105	146	286	84	1.0	79	5.89	7507	(105.5)X(155.504)F2S4XT8 4547X48 (86)	8006-2 (85)
26	10	59	24.1	94	0	7	98	147	296	86	1.5	32	3.66	7501	105 X (304.504))F2S4 XT8 4535X36 (86)	7992-1 (85)
26	11	90	21.5	98	0	3	100	139	276	82	.8	80	5.65	7492	(105.H5) X 101)F2S4 XT8 4517X18 (86)	7969-2 (85)
26	12	61	24.0	99	0	1	97	140	284	85	1.7	40	3.84	7454	155 X (304.101))F2S4 XT8 4441X42 (86)	7908-1 (85)
26	13	80	21.6	98	0	2	100	139	277	82	1.0	71	5.01	7423	(105.H5) X 155)F2S4 XT8 4379X80 (86)	7858-1 (85)
26	14	69	22.0	100	0	1	104	133	278	84	1.2	59	4.34	7413	(105.H5) X 155)F2S4 XT8 4359X60 (86)	7839-2 (85)
26	15	79	23.8	96	0	5	100	137	285	85	1.7	54	4.93	7494	(105.306) X 101)F2S4 XT8 4521X22 (86)	7973-1 (85)
26	16	98	21.0	99	0	2	103	132	268	81	.5	92	6.15	7440	(105.H5) X 155)F2S4 XT8 4413X14 (86)	7872-1 (85)
26	17	71	23.3	95	0	5	99	134	273	85	1.5	49	4.41	7471	155 X (105.306))F2S4 XT8 4475X76 (86)	7928-2 (85)
26	18	96	20.9	96	0	4	100	136	277	81	.7	88	6.02	7488	(105.H5) X 101)F2S4 XT8 4509X10 (86)	7968-1 (85)
26	19	93	23.6	98	0	3	104	134	283	85	1.2	73	5.83	7453	155 X (304.101))F2S4 XT8 4439X40 (86)	7905-1 (85)
26	20	83	22.6	99	0	2	104	122	263	82	.7	68	5.19	7530	(105.155)X 155)F2S4 XT8 4593X94 (86)	8053-2 (85)
26	21	96	23.3	96	0	4	106	136	273	84	1.3	76	6.01	7421	(105.H5) X 155)F2S4 XT8 4375X76 (86)	7849-1 (85)
26	22	83	23.4	96	0	4	101	138	290	84	1.3	62	5.22	7407	(304.504) X 155)FXS4 XT8 4347X48 (86)	7827-1 (85)
26	23	76	23.4	100	0	1	104	137	287	84	1.2	59	4.80	7475	(105.H5) X 101)F2S4 XT8 4483X84 (86)	7948-2 (85)
26	24	85	22.1	98	0	2	106	138	269	83	1.0	73	5.34	7432	(105.H5) X 155)F2S4 XT8 4397X98 (86)	7863-2 (85)
26	25	77	21.8	97	0	3	106	133	266	83	1.3	66	4.82	7417	(105.H5) X 155)F2S4 XT8 4367X68 (86)	7844-1 (85)
26	26	80	22.6	96	0	5	96	139	280	84	1.0	63	5.02	7448	155 X (304.101))F2S4 XT8 4429X30 (86)	7892-1 (85)
26	27	88	21.6	99	0	1	101	126	266	81	1.0	79	5.52	7472	(105.155) X H5)F2S4 XT8 4477X78 (86)	7930-1 (85)
26	28	139	20.5	99	0	2	105	124	277	79	-.4	134	8.68	902	PIONEER 3165	REC. 1987
26	29	69	23.7	100	0	1	102	139	270	85	1.9	50	4.33	916	KU 2301	UW6A109024
26	30	122	17.1	99	0	1	98	113	276	74	.2	135	7.66	901	B73HT X MO17HT	REC. 1987
		85	22.2	97	0	3	102	135	279	83	1.1	71	5.33		EXPERIMENT MEANS	
		13	1.8	6	0	5	8	11	14	2	.9	16	.75		LSD .05 (ENTRY x ENV)	
		17	2.4	8	1	7	10	14	19	3	1.1	21	1.00		LSD .01 (ENTRY x ENV)	
		9	4.	3	74	74	3	5	3	1	45	13	8.		C. V. % (ENTRY x ENV)	

T 8 = KU2301

Table 83. Experiment P26 Plymouth, N.C. Trophy (Cycle 2) x Ku2301 set 4, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P26	1	76	25.9	95	0	5	108	147	316	83	1.0	42	4.79	7485	(105.H5) X 101)F2S4 XT8 4503X 4 (86)	7964-1 (85)
P26	2	79	26.6	94	0	6	107	137	287	83	.3	41	4.94	7435	155 X (105.306))F2S4 XT8 4121X22 (86)	7925-4 (85)
P26	3	85	25.9	95	0	5	108	140	304	80	.0	51	5.33	7416	(105.H5) X 155)F2S4 XT8 4365X66 (86)	7842-1 (85)
P26	4	88	25.0	92	1	7	108	146	289	81	.7	55	5.52	7528	(105.155)X 155)F2S4 XT8 4589X90 (86)	8051-2 (85)
P26	5	103	26.3	91	0	9	106	145	306	82	.7	63	6.45	7508	(105.5)X(155.504)F2S4XT8 4549X50 (86)	8006-3 (85)
P26	6	76	25.3	96	0	4	105	149	297	83	1.3	44	4.77	7452	155 X (304.101))F2S4 XT8 4437X38 (86)	7896-1 (85)
P26	7	79	26.6	98	0	2	101	136	279	82	.7	43	4.94	7461	(105.306) X 155)F2S4 XT8 4455X56 (86)	7916-1 (85)
P26	8	84	24.6	98	0	2	105	140	290	82	.7	60	5.30	7424	(105.H5) X 155)F2S4 XT8 4381X82 (86)	7861-1 (85)
P26	9	98	26.4	94	0	6	102	150	304	83	.7	60	6.16	7507	(105.5)X(155.504)F2S4XT8 4547X48 (86)	8006-2 (85)
P26	10	56	27.4	87	0	13	98	141	302	84	1.0	6	3.49	7501	105 X (304.504))F2S4 XT8 4535X36 (86)	7992-1 (85)
P26	11	100	24.4	95	0	5	105	141	294	81	.3	72	6.26	7492	(105.H5) X 101)F2S4 XT8 4517X18 (86)	7969-2 (85)
P26	12	71	27.5	98	0	2	103	145	292	84	1.0	32	4.48	7454	155 X (304.101))F2S4 XT8 4441X42 (86)	7908-1 (85)
P26	13	82	25.4	96	0	4	98	137	291	81	1.3	52	5.15	7423	(105.H5) X 155)F2S4 XT8 4379X80 (86)	7858-1 (85)
P26	14	72	25.2	99	0	1	105	138	292	82	.3	44	4.50	7413	(105.H5) X 155)F2S4 XT8 4359X60 (86)	7839-2 (85)
P26	15	76	27.0	93	0	8	103	141	293	83	1.0	33	4.78	7494	(105.306) X 101)F2S4 XT8 4521X22 (86)	7973-1 (85)
P26	16	99	23.7	97	0	3	104	142	290	79	.0	78	6.21	7440	(105.H5) X 155)F2S4 XT8 4413X14 (86)	7872-1 (85)
P26	17	72	27.1	91	0	9	100	138	281	83	1.0	27	4.52	7471	155 X (105.306))F2S4 XT8 4475X76 (86)	7928-2 (85)
P26	18	93	23.3	93	0	7	102	146	296	80	.7	69	5.83	7488	(105.H5) X 101)F2S4 XT8 4509X10 (86)	7968-1 (85)
P26	19	89	27.4	95	0	5	107	137	291	83	1.0	48	5.60	7453	155 X (304.101))F2S4 XT8 4439X40 (86)	7905-1 (85)
P26	20	85	25.9	97	0	3	101	127	276	81	.7	53	5.34	7530	(105.155)X 155)F2S4 XT8 4593X94 (86)	8053-2 (85)
P26	21	94	26.9	93	0	7	105	135	282	82	.3	51	5.87	7421	(105.H5) X 155)F2S4 XT8 4375X76 (86)	7849-1 (85)
P26	22	82	26.8	92	0	8	102	144	300	83	1.3	39	5.15	7407	(304.504) X 155)FXS4 XT8 4347X48 (86)	7827-1 (85)
P26	23	75	26.7	99	0	1	103	137	299	83	.7	41	4.72	7475	(105.H5) X 101)F2S4 XT8 4483X84 (86)	7948-2 (85)
P26	24	76	25.7	98	0	2	106	142	285	82	1.3	47	4.79	7432	(105.H5) X 155)F2S4 XT8 4397X98 (86)	7863-2 (85)
P26	25	85	26.9	94	0	6	106	140	286	82	1.3	46	5.35	7417	(105.H5) X 155)F2S4 XT8 4367X68 (86)	7844-1 (85)
P26	26	71	26.0	93	0	7	95	143	301	83	1.0	34	4.47	7448	155 X (304.101))F2S4 XT8 4429X30 (86)	7892-1 (85)
P26	27	92	24.9	98	0	2	102	133	281	80	1.0	66	5.75	7472	(105.155) X H5)F2S4 XT8 4477X78 (86)	7930-1 (85)
P26	28	137	22.7	98	0	2	108	125	286	77	.0	120	8.59	902	PIONEER 3165	REC. 1987
P26	29	59	27.4	99	0	1	101	142	286	83	1.7	20	3.68	916	KU 2301	UW6A109024
P26	30	128	19.0	98	0	2	100	122	285	73	.0	129	8.01	901	B73HT X MO17HT	REC. 1987
		85	25.7	95	0	5	103	139	292	82	.8	52	5.36		EXPERIMENT MEANS	
		12	.6	5	0	5	7	10	13	1	.9	15	.75		LSD .05 (ENTRY x REP)	
		16	.8	7	1	7	9	13	18	2	1.1	20	1.00		LSD .01 (ENTRY x REP)	
		9	1.4	3	949	69	4	4	3	1	69	18	9.		C. V. % (ENTRY x REP)	
		96	116.	109	100	108	109	101	121	99	90	98	96.		R. E % (LATTICE)	

T 8 = KU2301

Table 84. Experiment 27 Analysis over locations and years for Trophy (Cycle 2) x Ku2301 set 5, 1988

Year 1988: Plymouth, N.C.
Year 1987: Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
27	1	80	22.2	98	0	2	103	142	269	83	.9	68	5.05	7438	(105.H5) X 155)F2S4 XT8 4409X10 (86)	7868-2 (85)
27	2	75	21.9	95	0	6	102	130	259	84	1.4	60	4.66	7450	155 X (304.101))F2S4 XT8 4433X34 (86)	7893-2 (85)
27	3	87	21.3	96	0	5	103	152	270	82	1.2	76	5.46	7430	(105.H5) X 155)F2S4 XT8 4393X94 (86)	7862-4 (85)
27	4	101	23.0	96	0	5	103	137	268	85	1.7	82	6.32	7506	(105.5)X(155.504)F2S4XT8 4545X46 (86)	8006-1 (85)
27	5	69	23.2	97	0	3	100	132	256	84	1.4	50	4.31	7469	155 X (105.306))F2S4 XT8 4471X72 (86)	7927-2 (85)
27	6	88	22.4	94	0	6	102	152	285	83	1.2	70	5.50	7404	(304.504) X 155)FXS4 XT8 4341X42 (86)	7824-1 (85)
27	7	74	22.3	98	0	3	97	136	264	82	1.0	60	4.61	7412	(105.H5) X 155)F2S4 XT8 4357X58 (86)	7839-1 (85)
27	8	78	23.0	99	0	2	102	129	278	83	1.4	62	4.89	7477	(105.H5) X 101)F2S4 XT8 4487X88 (86)	7950-1 (85)
27	9	104	22.9	92	0	8	106	147	275	82	1.9	82	6.53	7496	(H5.155) X 105)F2S4 XT8 4525X26 (86)	7978-1 (85)
27	10	102	23.6	94	0	7	101	141	277	84	1.2	78	6.42	7502	105 X (306.H5))F2S4 XT8 4537X38 (86)	7996-1 (85)
27	11	95	22.5	95	0	5	103	132	263	82	1.0	78	5.94	7487	(105.H5) X 101)F2S4 XT8 4507X 8 (86)	7967-1 (85)
27	12	78	23.7	98	0	2	103	124	249	83	1.0	58	4.86	7463	(105.306) X 155)F2S4 XT8 4459X60 (86)	7918-1 (85)
27	13	79	21.8	97	0	3	103	141	269	82	1.0	67	4.94	7410	(105.H5) X 155)F2S4 XT8 4353X54 (86)	7838-1 (85)
27	14	94	21.9	95	0	6	103	128	265	81	1.4	79	5.88	7480	(105.H5) X 101)F2S4 XT8 4493X94 (86)	7956-1 (85)
27	15	75	21.7	98	0	3	105	139	262	83	1.4	64	4.70	7431	(105.H5) X 155)F2S4 XT8 4395X96 (86)	7863-1 (85)
27	16	84	21.8	98	0	2	102	137	262	82	.9	74	5.28	7434	(105.H5) X 155)F2S4 XT8 4401X 2 (86)	7864-1 (85)
27	17	80	23.2	98	0	2	100	145	268	84	1.7	62	4.99	7523	(105.H5)X(304.504) XT8 4579X80 (86)	8047-2 (85)
27	18	88	22.4	94	1	6	103	136	271	82	.8	70	5.52	7479	(105.H5) X 101)F2S4 XT8 4491X92 (86)	7952-2 (85)
27	19	83	22.0	98	0	2	103	139	260	83	1.0	71	5.19	7439	(105.H5) X 155)F2S4 XT8 4411X12 (86)	7869-1 (85)
27	20	85	21.2	99	0	2	104	131	248	82	.7	77	5.33	7531	(105.155)X 155)F2S4 XT8 4595X96 (86)	8054-1 (85)
27	21	90	21.1	97	0	3	102	136	264	81	1.2	82	5.67	7491	(105.H5) X 101)F2S4 XT8 4515X16 (86)	7969-1 (85)
27	22	86	22.7	99	0	1	100	130	260	85	1.5	71	5.36	7521	(105.H5)X(304.504) XT8 4575X76 (86)	8044-1 (85)
27	23	80	22.6	93	0	7	102	148	281	84	1.2	60	5.03	7497	(H5.155) X 105)F2S4 XT8 4527X28 (86)	7979-1 (85)
27	24	71	23.0	98	0	3	102	130	257	84	1.2	54	4.47	7499	105 X (304.504))F2S4 XT8 4531X32 (86)	7990-1 (85)
27	25	90	21.7	98	0	3	103	137	269	81	1.2	79	5.62	7422	(105.H5) X 155)F2S4 XT8 4377X78 (86)	7852-1 (85)
27	26	76	21.6	98	0	2	105	147	275	81	1.4	66	4.78	7436	(105.H5) X 155)F2S4 XT8 4405X 6 (86)	7865-2 (85)
27	27	77	22.3	98	0	2	103	135	255	83	.8	63	4.81	7467	155 X (105.306))F2S4 XT8 4467X68 (86)	7925-3 (85)
27	28	129	20.2	96	0	4	104	119	257	79	-.2	124	8.10	902	PIONEER 3165	REC. 1987
27	29	73	23.8	98	0	2	104	132	258	84	1.4	52	4.60	916	KU 2301	UW6A109024
27	30	112	17.4	97	0	3	95	113	252	74	.7	124	7.03	901	B73HT X MO17HT	REC. 1987
		86	22.1	97	0	3	102	136	265	82	1.1	72	5.39		EXPERIMENT MEANS	
		14	1.3	8	0	7	9	11	15	3	.5	17	.79		LSD .05 (ENTRY x ENV)	
		18	1.8	10	1	9	12	15	19	3	.7	23	1.05		LSD .01 (ENTRY x ENV)	
		10	3.	3	774	60	4	5	3	2	38	13	10.		C. V. % (ENTRY x ENV)	

T 8 = KU2301

Table 85. Experiment P27 Plymouth, N.C. Trophy (Cycle 2) x Ku2301 set 5, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P27	1	85	26.0	96	0	4	102	142	293	82	1.0	52	5.37	7438	(105.H5) X 155)F2S4 XT8 4409X10 (86)	7868-2 (85)
P27	2	73	25.6	91	0	9	102	135	286	83	.7	36	4.57	7450	155 X (304.101))F2S4 XT8 4433X34 (86)	7893-2 (85)
P27	3	93	24.5	93	0	7	108	150	297	81	.7	63	5.83	7430	(105.H5) X 155)F2S4 XT8 4393X94 (86)	7862-4 (85)
P27	4	104	26.2	91	0	9	102	138	294	83	1.0	65	6.56	7506	(105.5)X(155.504)F2S4XT8 4545X46 (86)	8006-1 (85)
P27	5	79	27.0	95	0	5	106	143	291	83	1.0	39	4.96	7469	155 X (105.306))F2S4 XT8 4471X72 (86)	7927-2 (85)
P27	6	85	25.8	90	0	10	103	155	317	82	1.0	45	5.32	7404	(304.504) X 155)FXS4 XT8 4341X42 (86)	7824-1 (85)
P27	7	81	25.8	96	0	4	97	140	291	81	1.0	49	5.09	7412	(105.H5) X 155)F2S4 XT8 4357X58 (86)	7839-1 (85)
P27	8	69	26.4	97	0	3	106	132	309	82	1.0	35	4.35	7477	(105.H5) X 101)F2S4 XT8 4487X88 (86)	7950-1 (85)
P27	9	109	26.2	86	0	14	107	147	300	81	1.0	64	6.86	7496	(H5.155) X 105)F2S4 XT8 4525X26 (86)	7978-1 (85)
P27	10	93	26.9	89	0	11	105	142	308	83	1.0	48	5.87	7502	105 X (306.H5))F2S4 XT8 4537X38 (86)	7996-1 (85)
P27	11	99	25.7	92	0	8	106	140	295	81	.7	63	6.21	7487	(105.H5) X 101)F2S4 XT8 4507X 8 (86)	7967-1 (85)
P27	12	74	27.7	97	0	3	103	132	282	83	1.0	33	4.62	7463	(105.306) X 155)F2S4 XT8 4459X60 (86)	7918-1 (85)
P27	13	88	25.3	94	0	6	106	147	301	80	.7	56	5.53	7410	(105.H5) X 155)F2S4 XT8 4353X54 (86)	7838-1 (85)
P27	14	97	25.3	91	0	9	108	130	294	80	1.0	62	6.11	7480	(105.H5) X 101)F2S4 XT8 4493X94 (86)	7956-1 (85)
P27	15	78	25.2	96	0	4	107	142	291	82	1.0	48	4.90	7431	(105.H5) X 155)F2S4 XT8 4395X96 (86)	7863-1 (85)
P27	16	87	25.5	97	0	3	103	143	289	81	1.0	57	5.49	7434	(105.H5) X 155)F2S4 XT8 4401X 2 (86)	7864-1 (85)
P27	17	85	27.1	97	0	3	98	147	294	82	1.0	46	5.34	7523	(105.H5)X(304.504) XT8 4579X80 (86)	8047-2 (85)
P27	18	90	25.9	89	1	10	104	147	303	80	.3	50	5.65	7479	(105.H5) X 101)F2S4 XT8 4491X92 (86)	7952-2 (85)
P27	19	83	25.2	97	0	3	105	143	290	81	1.0	55	5.24	7439	(105.H5) X 155)F2S4 XT8 4411X12 (86)	7869-1 (85)
P27	20	87	24.3	98	0	2	101	143	285	81	1.0	64	5.48	7531	(105.155)X 155)F2S4 XT8 4595X96 (86)	8054-1 (85)
P27	21	92	24.0	95	0	5	102	147	297	81	.3	66	5.79	7491	(105.H5) X 101)F2S4 XT8 4515X16 (86)	7969-1 (85)
P27	22	98	26.5	98	0	2	100	137	293	82	1.0	63	6.12	7521	(105.H5)X(304.504) XT8 4575X76 (86)	8044-1 (85)
P27	23	74	25.5	89	0	11	103	145	308	83	1.0	35	4.64	7497	(H5.155) X 105)F2S4 XT8 4527X28 (86)	7979-1 (85)
P27	24	81	26.1	97	0	3	102	137	288	82	.7	47	5.09	7499	105 X (304.504))F2S4 XT8 4531X32 (86)	7990-1 (85)
P27	25	92	25.3	96	0	4	102	145	305	80	1.0	61	5.77	7422	(105.H5) X 155)F2S4 XT8 4377X78 (86)	7852-1 (85)
P27	26	87	25.1	98	0	2	104	145	306	79	1.0	60	5.47	7436	(105.H5) X 155)F2S4 XT8 4405X 6 (86)	7865-2 (85)
P27	27	75	26.3	96	0	4	101	138	275	83	.3	40	4.72	7467	155 X (105.306))F2S4 XT8 4467X68 (86)	7925-3 (85)
P27	28	123	22.3	93	0	7	104	127	296	78	.0	104	7.73	902	PIONEER 3165	REC. 1987
P27	29	65	27.1	98	0	2	107	143	293	83	1.0	27	4.09	916	KU 2301	UW6A109024
P27	30	114	19.4	94	0	6	97	122	283	73	.0	112	7.18	901	B73HT X MO17HT	REC. 1987
		88	25.5	94	0	6	103	141	295	81	.8	55	5.53		EXPERIMENT MEANS	
		13	.9	7	0	7	8	10	14	2	.5	16	.79		LSD .05 (ENTRY x REP)	
		17	1.2	9	1	9	11	14	18	2	.7	22	1.05		LSD .01 (ENTRY x REP)	
		9	2.2	4	949	73	5	5	3	1	37	18	9.		C. V. % (ENTRY x REP)	
		89	96.	102	100	102	100	87	102	121	85	98	89.		R. E % (LATTICE)	

T 8 = KU2301

Table 86. Experiment 29 Analysis over locations and years for NC262(TZ70) Tester Crosses (2nd. Year), 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE
29	1	121	18.3	99	0	1	98	98	222	74	.3	128	7.57	7001	BB25(NC256)	XT7	1X 2 (86) 7088BULK (85)
29	2	72	20.4	99	1	1	87	84	203	78	.5	69	4.53	7002	GC88	XT7	557X58 (87) 7090-1 (85)
29	3	126	18.4	95	0	4	103	103	233	73	1.7	129	7.87	7007	B73 MAYDIS S4 88%	XT7	13X14 (86) 7134-1 (85)
29	4	118	18.0	95	1	4	101	102	231	73	1.1	122	7.39	7010	B73 MAYDIS S4 88%	XT7	19X20 (86) 7135-2 (85)
29	5	122	18.1	97	1	2	100	102	233	73	1.5	128	7.64	7012	B73 MAYDIS S4 88%	XT7	23X24 (86) 7137-1 (85)
29	6	116	18.1	97	0	3	101	102	229	73	1.9	123	7.30	7013	B73 MAYDIS S4 88%	XT7	25X26 (86) 7137-2 (85)
29	7	112	18.3	97	0	3	99	96	224	72	1.0	117	7.05	7015	B73 MAYDIS S5 9+ 88%	XT7	567X68 (87) 7005-2 (85)
29	8	120	18.5	99	0	1	100	101	229	73	1.2	126	7.54	7017	B73 MAYDIS S5 88%	XT7	571X72 (87) 7006-1 (85)
29	9	120	18.3	99	0	1	97	102	227	73	1.2	127	7.53	7021	B73 MAYDIS S5 88%	XT7	4145X46 (86) 7006-5 (85)
29	10	118	18.4	98	1	2	97	104	232	75	.5	124	7.41	7022	B73 MAYDIS S5 75%	XT7	43X44 (86) 2073-2 (83)
29	11	120	18.0	94	0	6	94	103	229	75	.5	125	7.55	7023	B73 MAYDIS S5 75%	XT7	4147X48 (86) 2073-3 (83)
29	12	125	18.1	93	1	6	99	106	236	75	.7	128	7.87	7027	B73 MAYDIS S6 75%	XT7	4103X04 (86) 7011-4 (85)
29	13	118	18.6	96	0	4	104	95	228	76	.6	120	7.41	7031	B73 MAYDIS S6 75%	XT7	577X78 (87) 7013-3 (85)
29	14	122	17.9	95	0	6	99	104	235	74	.1	127	7.63	7036	B73 MAYDIS S6 75%	XT7	4151X52 (86) 7139-1 (85)
29	15	126	18.3	95	0	5	101	106	234	75	.7	130	7.94	7037	B73 MAYDIS S6 75%	XT7	4153X54 (86) 7367-1 (85)
29	16	121	18.1	96	0	4	99	102	232	75	1.0	127	7.61	7040	B73 MAYDIS S6 75%	XT7	79X80 (86) 7369-2 (85)
29	17	111	18.1	98	0	2	93	98	232	74	1.5	119	6.95	7044	B73 MAYDIS S7 50%	XT7	87X88 (86) 7143-1 (85)
29	18	107	17.7	97	0	3	97	102	236	74	1.4	116	6.73	7045	B73 MAYDIS S7 50%	XT7	89X90 (86) 7143-2 (85)
29	19	112	17.6	96	0	5	96	104	238	74	1.1	119	7.03	7046	B73 MAYDIS S7 50%	XT7	91X92 (86) 7143-3 (85)
29	20	115	17.8	98	0	2	102	108	246	76	1.4	124	7.22	7049	B73 MAYDIS S7 50%	XT7	97X98 (86) 7145-1 (85)
29	21	111	17.6	96	1	3	97	104	233	75	1.1	119	6.96	7050	B73 MAYDIS S7 50%	XT7	99X 0 (86) 7146-1 (85)
29	22	122	18.2	95	0	5	98	105	231	73	1.1	126	7.63	7054	B73 MAY FLINT S2 94%	XT7	4155X56 (86) 2977-3 (85)
29	23	112	18.4	98	0	2	95	90	217	72	1.5	118	7.02	7055	MM2217(MO17RG)S4 94%	XT7	581X82 (87) 553-1 (83)
29	24	114	18.3	99	0	1	99	88	213	72	1.2	122	7.15	7057	MM2217(MO17RG)S5 94%	XT7	113X14 (86) 7162-2 (85)
29	25	123	17.3	99	0	2	103	71	196	70	.3	135	7.69	7065	OH43E(MO17)S2 88%	XT7	4161X62 (86) 7167-1 (85)
29	26	120	17.5	99	0	1	99	73	197	71	.7	131	7.49	7068	OH43E(MO17)S2 88%	XT7	135X36 (86) 7167-4 (85)
29	27	122	18.3	98	0	2	100	78	206	71	.9	129	7.66	7070	OH43E(MM2217)S3 88%	XT7	139X40 (86) 7478-1 (85)
29	28	104	20.1	92	0	8	98	75	201	71	.5	96	6.54	7077	FL FSHMR(VA35G)S5 88%	XT7	153X54 (86) 7543-2 (85)
29	29	125	19.5	96	1	4	100	93	216	74	2.0	123	7.84	7650	SC76G	XT7	5433X34 (86) 772# (84)
29	30	113	19.7	98	1	2	98	97	214	76	1.0	111	7.06	7082	ANT.VC181 S4 75%	XT7	4165X66 (86) 1137-2 (83)
29	31	116	19.7	99	0	1	96	93	222	74	.5	116	7.28	7083	COGOLLERO S4 75%	XT7	165X66 (86) 1224-2 (83)
29	32	109	19.6	97	1	2	101	104	218	74	1.2	109	6.86	7086	ETO BL(B73G) 50%	XT7	171X72 (86) 881-1 (83)
29	33	117	19.1	96	3	1	100	102	223	74	.5	118	7.37	7088	A. DENT 2 S4 75%	XT7	175X76 (86) 1197-2 (83)
29	34	122	17.2	96	0	4	102	109	230	74	.8	132	7.68	901	B73HT X MO17HT		REC. 1987
29	35	129	18.0	97	0	3	102	111	230	77	.1	136	8.07	909	DEKALB 689		REC. 1986
29	36	124	17.6	97	0	3	102	107	235	76	-.6	134	7.79	911	PIONEER 3233		REC. 1986
		117	18.4	97	0	3	99	98	225	74	.9	122	7.33		EXPERIMENT MEANS		
		11	.6	6	4	3	7	11	13	2	.9	21	1.22		LSD .05 (ENTRY x ENV)		
		15	.8	8	6	3	9	15	17	3	1.2	28	1.62		LSD .01 (ENTRY x ENV)		
		9	3.	4	298	93	5	7	3	2	55	9	8.		C. V. % (ENTRY x ENV)		

T 7 = NC262 (TZ70)

Table 87. Experiment 29 Analysis over locations for NC262(TZ70) Tester Crosses (2nd. Year), 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE
29	1	121	19.3	98	0	2	100	103	228	68	.3	122	7.59	7001	BB25(NC256)	XT7	1X 2 (86) 7088BULK (85)
29	2	73	22.0	98	1	1	96	94	209	73	.0	61	4.60	7002	GC88	XT7	557X58 (87) 7090-1 (85)
29	3	133	19.5	97	1	2	107	109	242	68	2.0	133	8.37	7007	B73 MAYDIS S4 88%	XT7	13X14 (86) 7134-1 (85)
29	4	125	19.4	95	2	3	103	109	239	68	1.3	123	7.84	7010	B73 MAYDIS S4 88%	XT7	19X20 (86) 7135-2 (85)
29	5	127	19.4	97	1	2	105	110	240	68	1.3	128	8.01	7012	B73 MAYDIS S4 88%	XT7	23X24 (86) 7137-1 (85)
29	6	119	19.4	98	0	2	103	107	239	68	1.7	120	7.48	7013	B73 MAYDIS S4 88%	XT7	25X26 (86) 7137-2 (85)
29	7	118	19.5	97	0	3	102	106	236	67	1.0	117	7.42	7015	B73 MAYDIS S5 9+ 88%	XT7	567X68 (87) 7005-2 (85)
29	8	127	19.5	99	0	1	104	104	237	66	1.7	129	7.99	7017	B73 MAYDIS S5 88%	XT7	571X72 (87) 7006-1 (85)
29	9	127	19.5	98	0	2	101	108	236	67	1.3	127	8.00	7021	B73 MAYDIS S5 88%	XT7	4145X46 (86) 7006-5 (85)
29	10	118	19.2	97	1	2	103	112	241	70	.0	119	7.45	7022	B73 MAYDIS S5 75%	XT7	43X44 (86) 2073-2 (83)
29	11	122	19.0	94	0	6	95	106	236	69	.0	120	7.63	7023	B73 MAYDIS S5 75%	XT7	4147X48 (86) 2073-3 (83)
29	12	126	19.2	93	2	5	100	111	240	70	.0	123	7.92	7027	B73 MAYDIS S6 75%	XT7	4103X04 (86) 7011-4 (85)
29	13	116	19.4	96	0	4	107	106	235	70	.0	115	7.31	7031	B73 MAYDIS S6 75%	XT7	577X78 (87) 7013-3 (85)
29	14	126	18.7	96	0	4	103	112	244	69	.0	129	7.92	7036	B73 MAYDIS S6 75%	XT7	4151X52 (86) 7139-1 (85)
29	15	131	19.1	96	1	4	107	115	245	69	.3	131	8.21	7037	B73 MAYDIS S6 75%	XT7	4153X54 (86) 7367-1 (85)
29	16	125	19.1	96	1	3	103	108	239	69	.7	126	7.82	7040	B73 MAYDIS S6 75%	XT7	79X80 (86) 7369-2 (85)
29	17	117	18.7	98	0	2	102	107	244	68	1.3	121	7.32	7044	B73 MAYDIS S7 50%	XT7	87X88 (86) 7143-1 (85)
29	18	108	18.4	95	1	4	103	109	245	68	1.0	112	6.79	7045	B73 MAYDIS S7 50%	XT7	89X90 (86) 7143-2 (85)
29	19	112	18.3	95	0	5	101	109	247	69	.7	116	7.07	7046	B73 MAYDIS S7 50%	XT7	91X92 (86) 7143-3 (85)
29	20	116	18.6	98	1	1	105	115	255	71	.7	121	7.29	7049	B73 MAYDIS S7 50%	XT7	97X98 (86) 7145-1 (85)
29	21	110	18.3	96	1	3	103	113	240	69	1.0	115	6.93	7050	B73 MAYDIS S7 50%	XT7	99X 0 (86) 7146-1 (85)
29	22	122	19.2	97	1	3	101	115	242	68	1.3	123	7.67	7054	B73 MAY FLINT S2 94%	XT7	4155X56 (86) 2977-3 (85)
29	23	119	19.5	97	0	3	103	96	227	67	2.0	118	7.45	7055	MM2217(MO17RG)S4 94%	XT7	581X82 (87) 553-1 (83)
29	24	118	19.4	99	0	1	103	98	226	67	1.7	121	7.46	7057	MM2217(MO17RG)S5 94%	XT7	113X14 (86) 7162-2 (85)
29	25	133	18.1	98	0	2	106	80	209	65	.3	141	8.32	7065	OH43E(MO17)S2 88%	XT7	4161X62 (86) 7167-1 (85)
29	26	129	18.4	99	0	1	103	85	212	65	.0	135	8.11	7068	OH43E(MO17)S2 88%	XT7	135X36 (86) 7167-4 (85)
29	27	127	19.2	98	0	2	106	86	212	65	.7	130	7.98	7070	OH43E(MM2217)S3 88%	XT7	139X40 (86) 7478-1 (85)
29	28	108	21.8	90	0	10	104	85	208	65	.3	89	6.76	7077	FL FSHMR(VA35G)S5 88%	XT7	153X54 (86) 7543-2 (85)
29	29	126	20.8	97	1	2	104	101	225	68	1.3	119	7.92	7650	SC76G	XT7	5433X34 (86) 772# (84)
29	30	117	21.2	97	1	2	103	102	223	70	.3	108	7.36	7082	ANT.VC181 S4 75%	XT7	4165X66 (86) 1137-2 (83)
29	31	120	21.6	99	0	1	103	100	231	69	.3	110	7.51	7083	COGOLLERO S4 75%	XT7	165X66 (86) 1224-2 (83)
29	32	114	20.7	96	2	2	104	108	223	69	1.0	107	7.16	7086	ETO BL(B73G) 50%	XT7	171X72 (86) 881-1 (83)
29	33	123	20.1	92	6	2	105	109	232	70	.3	115	7.74	7088	A. DENT 2 S4 75%	XT7	175X76 (86) 1197-2 (83)
29	34	133	18.5	98	1	1	104	115	235	68	.7	139	8.38	901	B73HT X MO17HT		REC. 1987
29	35	136	19.3	97	0	3	104	118	241	73	-.3	136	8.53	909	DEKALB 689		REC. 1986
29	36	136	18.6	98	0	2	105	119	245	72	-.3	141	8.53	911	PIONEER 3233		REC. 1986
		121	19.4	97	1	3	103	105	233	68	.7	121	7.61		EXPERIMENT MEANS		
		17	.6	6	4	3	7	11	13	2	.9	21	1.22		LSD .05 (ENTRY x ENV)		
		23	.9	8	6	3	9	15	17	3	1.2	28	1.62		LSD .01 (ENTRY x ENV)		
		9	2.	4	222	101	3	7	3	2	75	10	9.		C. V. % (ENTRY x ENV)		

T 7 = NC262 (TZ70)

Table 88. Experiment C29 Clayton, N.C. NC262(TZ70) Tester Crosses (2nd. Year), 1988
36 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C29	1	132	19.4	100	0	0	105	95	246	68	.3	135	8.29	7001	BB25(NC256) XT7	1X 2 (86) 7088BULK (85)
C29	2	82	22.0	98	2	0	100	84	222	73	.0	70	5.15	7002	GC88 XT7	557X58 (87) 7090-1 (85)
C29	3	149	20.0	98	2	0	108	100	257	68	2.0	147	9.36	7007	B73 MAYDIS S4 88% XT7	13X14 (86) 7134-1 (85)
C29	4	134	19.6	97	3	0	103	106	256	68	1.3	133	8.44	7010	B73 MAYDIS S4 88% XT7	19X20 (86) 7135-2 (85)
C29	5	145	19.6	97	3	0	105	105	256	68	1.3	144	9.09	7012	B73 MAYDIS S4 88% XT7	23X24 (86) 7137-1 (85)
C29	6	138	19.6	100	0	0	105	102	255	68	1.7	140	8.66	7013	B73 MAYDIS S4 88% XT7	25X26 (86) 7137-2 (85)
C29	7	131	19.3	100	0	0	108	102	251	67	1.0	134	8.20	7015	B73 MAYDIS S5 9+ 88% XT7	567X68 (87) 7005-2 (85)
C29	8	153	19.7	100	0	0	107	98	249	66	1.7	155	9.61	7017	B73 MAYDIS S5 88% XT7	571X72 (87) 7006-1 (85)
C29	9	143	19.8	100	0	0	106	101	247	67	1.3	144	9.00	7021	B73 MAYDIS S5 88% XT7	4145X46 (86) 7006-5 (85)
C29	10	111	19.3	97	3	0	103	99	254	70	.0	111	6.99	7022	B73 MAYDIS S5 75% XT7	43X44 (86) 2073-2 (83)
C29	11	132	19.3	100	0	0	95	92	244	69	.0	136	8.27	7023	B73 MAYDIS S5 75% XT7	4147X48 (86) 2073-3 (83)
C29	12	133	19.2	93	4	3	98	105	258	70	.0	131	8.38	7027	B73 MAYDIS S6 75% XT7	4103X04 (86) 7011-4 (85)
C29	13	117	19.4	99	0	1	108	95	246	70	.0	120	7.37	7031	B73 MAYDIS S6 75% XT7	577X78 (87) 7013-3 (85)
C29	14	131	18.9	100	0	0	105	93	251	69	.0	137	8.21	7036	B73 MAYDIS S6 75% XT7	4151X52 (86) 7139-1 (85)
C29	15	139	19.1	97	2	1	109	105	253	69	.3	141	8.76	7037	B73 MAYDIS S6 75% XT7	4153X54 (86) 7367-1 (85)
C29	16	132	19.1	98	2	0	105	93	249	69	.7	134	8.26	7040	B73 MAYDIS S6 75% XT7	79X80 (86) 7369-2 (85)
C29	17	111	19.2	99	0	1	103	95	252	68	1.3	114	6.97	7044	B73 MAYDIS S7 50% XT7	87X88 (86) 7143-1 (85)
C29	18	99	18.8	98	2	0	104	95	255	68	1.0	104	6.24	7045	B73 MAYDIS S7 50% XT7	89X90 (86) 7143-2 (85)
C29	19	111	19.1	99	0	1	102	100	253	69	.7	115	6.97	7046	B73 MAYDIS S7 50% XT7	91X92 (86) 7143-3 (85)
C29	20	110	19.2	98	2	0	106	113	267	71	.7	111	6.90	7049	B73 MAYDIS S7 50% XT7	97X98 (86) 7145-1 (85)
C29	21	112	18.8	98	2	0	104	107	256	69	1.0	115	7.04	7050	B73 MAYDIS S7 50% XT7	99X 0 (86) 7146-1 (85)
C29	22	136	19.0	98	2	0	104	111	259	68	1.3	140	8.57	7054	B73 MAY FLINT S2 94% XT7	4155X56 (86) 2977-3 (85)
C29	23	149	19.4	100	0	0	107	95	248	67	2.0	151	9.33	7055	MM2217(MO17RG)S4 94% XT7	581X82 (87) 553-1 (83)
C29	24	138	19.4	100	0	0	108	85	241	67	1.7	142	8.70	7057	MM2217(MO17RG)S5 94% XT7	113X14 (86) 7162-2 (85)
C29	25	145	18.1	100	0	0	107	65	215	65	.3	154	9.09	7065	OH43E(MO17)S2 88% XT7	4161X62 (86) 7167-1 (85)
C29	26	137	18.4	100	0	0	103	73	221	65	.0	145	8.61	7068	OH43E(MO17)S2 88% XT7	135X36 (86) 7167-4 (85)
C29	27	136	19.1	100	0	0	108	75	220	65	.7	141	8.53	7070	OH43E(MM2217)S3 88% XT7	139X40 (86) 7478-1 (85)
C29	28	122	22.0	100	0	0	105	76	220	65	.3	112	7.66	7077	FL FSHMR(VA35G)S5 88% XT7	153X54 (86) 7543-2 (85)
C29	29	150	20.8	98	2	0	107	86	231	68	1.3	144	9.43	7650	SC76G XT7	5433X34 (86) 772# (84)
C29	30	132	21.3	98	2	0	107	90	232	70	.3	124	8.27	7082	ANT.VC181 S4 75% XT7	4165X66 (86) 1137-2 (83)
C29	31	140	20.8	100	0	0	105	89	243	69	.3	136	8.77	7083	COGOLLERO S4 75% XT7	165X66 (86) 1224-2 (83)
C29	32	131	20.1	94	5	2	108	103	242	69	1.0	124	8.23	7086	ETO BL(B73G) 50% XT7	171X72 (86) 881-1 (83)
C29	33	155	20.2	84	15	2	108	112	252	70	.3	138	9.75	7088	A. DENT 2 S4 75% XT7	175X76 (86) 1197-2 (83)
C29	34	155	18.2	97	2	1	108	117	254	68	.7	160	9.71	901	B73HT X MO17HT	REC. 1987
C29	35	159	19.3	100	0	0	106	120	264	73	-.3	162	10.00	909	DEKALB 689	REC. 1986
C29	36	168	18.7	100	0	0	107	123	268	72	-.3	175	10.56	911	PIONEER 3233	REC. 1986
		133	19.5	98	1	0	105	97	247	68	.7	134	8.37		EXPERIMENT MEANS	
		19	.6	5	4	2	6	10	12	1	.9	20	1.22		LSD .05 (ENTRY x REP)	
		26	.9	7	6	2	8	14	16	2	1.2	27	1.62		LSD .01 (ENTRY x REP)	
		9	2.0	3	183	375	4	6	3	1	75	9	9.		C. V. % (ENTRY x REP)	
		100	102.	100	100	102	100	103	105	100	100	100	100.		R. E % (LATTICE)	

T 7 - NC262 (TZ70)

Table 89. Experiment L29 Lewiston, N.C. NC262(TZ70) Tester Crosses (2nd. Year), 1988
36 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L29	1	100	18.9	95	0	5	101	99	200	0	.0	100	6.27	7001	BB25(NC256) XT7	1X 2 (86) 7088BULK (85)
L29	2	62	21.5	97	1	2	98	90	184	0	.0	53	3.91	7002	GC88 XT7	557X58 (87) 7090-1 (85)
L29	3	108	18.6	96	0	4	108	102	227	0	.0	111	6.76	7007	B73 MAYDIS S4 88% XT7	13X14 (86) 7134-1 (85)
L29	4	105	18.7	93	3	4	105	95	217	0	.0	104	6.62	7010	B73 MAYDIS S4 88% XT7	19X20 (86) 7135-2 (85)
L29	5	104	18.7	96	0	4	108	109	218	0	.0	106	6.56	7012	B73 MAYDIS S4 88% XT7	23X24 (86) 7137-1 (85)
L29	6	100	18.9	96	0	4	108	95	215	0	.0	102	6.26	7013	B73 MAYDIS S4 88% XT7	25X26 (86) 7137-2 (85)
L29	7	101	19.4	93	0	7	104	98	211	0	.0	97	6.36	7015	B73 MAYDIS S5 9+ 88% XT7	567X68 (87) 7005-2 (85)
L29	8	100	18.5	97	0	3	103	99	215	0	.0	106	6.30	7017	B73 MAYDIS S5 88% XT7	571X72 (87) 7006-1 (85)
L29	9	102	18.9	94	1	5	102	102	221	0	.0	102	6.42	7021	B73 MAYDIS S5 88% XT7	4145X46 (86) 7006-5 (85)
L29	10	103	18.6	98	0	2	103	115	223	0	.0	106	6.49	7022	B73 MAYDIS S5 75% XT7	43X44 (86) 2073-2 (83)
L29	11	94	18.4	82	0	18	98	104	217	0	.0	84	5.89	7023	B73 MAYDIS S5 75% XT7	4147X48 (86) 2073-3 (83)
L29	12	101	18.9	90	1	9	102	107	215	0	.0	96	6.32	7027	B73 MAYDIS S6 75% XT7	4103X04 (86) 7011-4 (85)
L29	13	98	19.0	92	0	8	107	100	214	0	.0	94	6.17	7031	B73 MAYDIS S6 75% XT7	577X78 (87) 7013-3 (85)
L29	14	115	18.0	93	0	7	105	110	232	0	.0	118	7.20	7036	B73 MAYDIS S6 75% XT7	4151X52 (86) 7139-1 (85)
L29	15	108	18.7	92	0	8	106	112	234	0	.0	106	6.79	7037	B73 MAYDIS S6 75% XT7	4153X54 (86) 7367-1 (85)
L29	16	105	18.5	93	0	8	103	101	219	0	.0	106	6.57	7040	B73 MAYDIS S6 75% XT7	79X80 (86) 7369-2 (85)
L29	17	110	18.3	97	0	3	100	101	231	0	.0	116	6.89	7044	B73 MAYDIS S7 50% XT7	87X88 (86) 7143-1 (85)
L29	18	96	17.3	92	0	8	103	114	230	0	.0	102	6.04	7045	B73 MAYDIS S7 50% XT7	89X90 (86) 7143-2 (85)
L29	19	105	17.2	92	0	8	104	105	240	0	.0	111	6.62	7046	B73 MAYDIS S7 50% XT7	91X92 (86) 7143-3 (85)
L29	20	106	17.4	96	0	4	104	110	246	0	.0	115	6.66	7049	B73 MAYDIS S7 50% XT7	97X98 (86) 7145-1 (85)
L29	21	95	17.7	91	2	7	103	105	217	0	.0	98	5.96	7050	B73 MAYDIS S7 50% XT7	99X 0 (86) 7146-1 (85)
L29	22	100	19.2	97	0	3	99	110	222	0	.0	102	6.29	7054	B73 MAY FLINT S2 94% XT7	4155X56 (86) 2977-3 (85)
L29	23	95	19.0	93	0	7	103	87	198	0	.0	93	5.95	7055	MM2217(MO17RG)S4 94% XT7	581X82 (87) 553-1 (83)
L29	24	104	18.7	99	0	1	103	98	205	0	.0	109	6.56	7057	MM2217(MO17RG)S5 94% XT7	113X14 (86) 7162-2 (85)
L29	25	115	17.6	96	0	5	108	72	193	0	.0	125	7.24	7065	OH43E(MO17)S2 88% XT7	4161X62 (86) 7167-1 (85)
L29	26	120	17.7	98	0	2	104	86	193	0	.0	127	7.51	7068	OH43E(MO17)S2 88% XT7	135X36 (86) 7167-4 (85)
L29	27	112	19.0	98	0	2	108	84	194	0	.0	117	7.04	7070	OH43E(MM2217)S3 88% XT7	139X40 (86) 7478-1 (85)
L29	28	90	21.2	76	0	24	109	78	187	0	.0	60	5.64	7077	FL FSHMR(VA35G)S5 88% XT7	153X54 (86) 7543-2 (85)
L29	29	99	20.7	96	0	3	106	104	209	0	.0	91	6.24	7650	SC76G XT7	5433X34 (86) 772# (84)
L29	30	89	21.5	95	2	3	99	100	206	0	.0	76	5.62	7082	ANT.VC181 S4 75% XT7	4165X66 (86) 1137-2 (83)
L29	31	98	22.3	99	0	1	103	94	207	0	.0	84	6.13	7083	COGOLLERO S4 75% XT7	165X66 (86) 1224-2 (83)
L29	32	85	21.6	95	1	3	108	92	194	0	.0	72	5.32	7086	ETO BL(B73G) 50% XT7	171X72 (86) 881-1 (83)
L29	33	91	19.4	94	4	2	107	106	208	0	.0	89	5.74	7088	A. DENT 2 S4 75% XT7	175X76 (86) 1197-2 (83)
L29	34	109	18.3	97	0	3	106	104	212	0	.0	114	6.86	901	B73HT X MO17HT	REC. 1987
L29	35	104	18.9	97	0	3	103	101	218	0	.0	107	6.51	909	DEKALB 689	REC. 1986
L29	36	106	18.1	99	0	1	103	108	218	0	.0	114	6.64	911	PIONEER 3233	REC. 1986
		101	19.0	94	0	5	104	100	214	0	.0	100	6.34		EXPERIMENT MEANS	
		19	1.0	8	2	8	5	16	24	0	.0	23	1.20		LSD .05 (ENTRY x REP)	
		25	1.3	11	3	10	7	21	32	0	.0	31	1.60		LSD .01 (ENTRY x REP)	
		12	3.3	5	289	90	3	10	7	0	0	14	12.		C. V. % (ENTRY x REP)	
		101	109.	102	101	103	100	112	114	0	0	100	101.		R. E % (LATTICE)	

T 7 = NC262 (TZ70)

Table 90. Experiment P29 Plymouth, N.C. NC262(TZ70) Tester Crosses (2nd. Year), 1988
36 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P29	1	131	19.5	99	0	1	95	115	238	0	.0	132	8.20	7001	BB25(NC256) XT7	1X 2 (86) 7088BULK (85)
P29	2	75	22.6	98	0	2	89	107	221	0	.0	61	4.74	7002	GC88 XT7	557X58 (87) 7090-1 (85)
P29	3	143	20.0	98	0	2	105	125	242	0	.0	141	9.00	7007	B73 MAYDIS S4 88% XT7	13X14 (86) 7134-1 (85)
P29	4	135	19.8	96	0	4	102	127	244	0	.0	132	8.47	7010	B73 MAYDIS S4 88% XT7	19X20 (86) 7135-2 (85)
P29	5	133	19.8	98	0	2	103	117	246	0	.0	133	8.37	7012	B73 MAYDIS S4 88% XT7	23X24 (86) 7137-1 (85)
P29	6	120	19.7	98	0	2	97	123	247	0	.0	119	7.52	7013	B73 MAYDIS S4 88% XT7	25X26 (86) 7137-2 (85)
P29	7	123	19.7	97	0	3	94	118	245	0	.0	121	7.71	7015	B73 MAYDIS S5 9+ 88% XT7	567X68 (87) 7005-2 (85)
P29	8	128	20.2	99	0	1	101	115	246	0	.0	126	8.06	7017	B73 MAYDIS S5 88% XT7	571X72 (87) 7006-1 (85)
P29	9	137	19.9	99	0	1	95	120	239	0	.0	136	8.59	7021	B73 MAYDIS S5 88% XT7	4145X46 (86) 7006-5 (85)
P29	10	141	19.6	97	0	3	102	122	246	0	.0	140	8.86	7022	B73 MAYDIS S5 75% XT7	43X44 (86) 2073-2 (83)
P29	11	139	19.4	99	0	1	92	122	246	0	.0	141	8.72	7023	B73 MAYDIS S5 75% XT7	4147X48 (86) 2073-3 (83)
P29	12	144	19.5	96	0	4	100	122	246	0	.0	143	9.05	7027	B73 MAYDIS S6 75% XT7	4103X04 (86) 7011-4 (85)
P29	13	133	19.8	96	0	4	105	122	245	0	.0	130	8.38	7031	B73 MAYDIS S6 75% XT7	577X78 (87) 7013-3 (85)
P29	14	133	19.3	95	0	5	100	133	248	0	.0	131	8.36	7036	B73 MAYDIS S6 75% XT7	4151X52 (86) 7139-1 (85)
P29	15	145	19.6	98	0	2	106	127	247	0	.0	145	9.09	7037	B73 MAYDIS S6 75% XT7	4153X54 (86) 7367-1 (85)
P29	16	137	19.6	98	0	2	101	130	250	0	.0	138	8.63	7040	B73 MAYDIS S6 75% XT7	79X80 (86) 7369-2 (85)
P29	17	129	18.6	98	0	2	102	125	248	0	.0	134	8.11	7044	B73 MAYDIS S7 50% XT7	87X88 (86) 7143-1 (85)
P29	18	129	19.1	96	0	4	102	117	251	0	.0	130	8.10	7045	B73 MAYDIS S7 50% XT7	89X90 (86) 7143-2 (85)
P29	19	121	18.7	95	0	5	97	122	248	0	.0	123	7.62	7046	B73 MAYDIS S7 50% XT7	91X92 (86) 7143-3 (85)
P29	20	132	19.2	100	0	0	106	122	253	0	.0	137	8.31	7049	B73 MAYDIS S7 50% XT7	97X98 (86) 7145-1 (85)
P29	21	124	18.5	99	0	1	101	127	247	0	.0	131	7.80	7050	B73 MAYDIS S7 50% XT7	99X 0 (86) 7146-1 (85)
P29	22	130	19.5	95	0	5	101	123	246	0	.0	128	8.16	7054	B73 MAY FLINT S2 94% XT7	4155X56 (86) 2977-3 (85)
P29	23	113	20.2	98	0	2	99	106	234	0	.0	110	7.08	7055	MM2217(MO17RG)S4 94% XT7	581X82 (87) 553-1 (83)
P29	24	113	20.1	98	0	2	99	110	231	0	.0	111	7.11	7057	MM2217(MO17RG)S5 94% XT7	113X14 (86) 7162-2 (85)
P29	25	138	18.6	99	0	1	103	102	218	0	.0	144	8.64	7065	OH43E(MO17)S2 88% XT7	4161X62 (86) 7167-1 (85)
P29	26	131	19.2	100	0	0	101	97	221	0	.0	134	8.21	7068	OH43E(MO17)S2 88% XT7	135X36 (86) 7167-4 (85)
P29	27	133	19.6	97	0	3	103	100	222	0	.0	132	8.37	7070	OH43E(MM2217)S3 88% XT7	139X40 (86) 7478-1 (85)
P29	28	111	22.3	95	0	5	98	102	216	0	.0	95	6.97	7077	FL FSHMR(VA35G)S5 88% XT7	153X54 (86) 7543-2 (85)
P29	29	129	20.8	96	0	4	98	112	236	0	.0	121	8.10	7650	SC76G XT7	5433X34 (86) 772# (84)
P29	30	131	20.8	98	0	2	104	117	231	0	.0	124	8.20	7082	ANT.VC181 S4 75% XT7	4165X66 (86) 1137-2 (83)
P29	31	121	21.7	98	0	2	101	117	242	0	.0	111	7.62	7083	COGOLLERO S4 75% XT7	165X66 (86) 1224-2 (83)
P29	32	126	20.4	99	0	1	95	130	234	0	.0	124	7.93	7086	ETO BL(B73G) 50% XT7	171X72 (86) 881-1 (83)
P29	33	123	20.8	99	0	1	100	110	235	0	.0	118	7.74	7088	A. DENT 2 S4 75% XT7	175X76 (86) 1197-2 (83)
P29	34	136	19.0	100	0	0	99	123	239	0	.0	142	8.56	901	B73HT X MO17HT	REC. 1987
P29	35	144	19.7	93	0	7	104	133	240	0	.0	139	9.07	909	DEKALB 689	REC. 1986
P29	36	134	19.1	96	0	4	104	125	249	0	.0	134	8.39	911	PIONEER 3233	REC. 1986
		129	19.8	98	0	2	100	118	240	0	.0	127	8.11		EXPERIMENT MEANS	
		15	.5	4	0	4	8	11	12	0	.0	17	.96		LSD .05 (ENTRY x REP)	
		20	.6	6	0	6	10	15	15	0	.0	23	1.28		LSD .01 (ENTRY x REP)	
		7	1.5	3	0	110	5	6	3	0	0	8	7.		C. V. % (ENTRY x REP)	
		104	108.	103	0	103	101	100	109	0	0	102	104.		R. E % (LATTICE)	

T 7 = NC262 (TZ70)T 7 = NC262 (TZ70)

Table 91. Experiment 30 Analysis over locations and years for BB, B73 Maydis, Top Crosses, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
30	1	123	17.5	97	0	3	100	103	240	62	.5	132	7.70	7097	BB8	XT5 193X94 (86) 268-1 (81)
30	2	121	17.5	99	0	2	98	97	231	62	.6	132	7.59	7107	BB18 S4	XT5 213X14 (86) 113-3 (83)
30	3	120	17.0	99	0	1	98	103	237	62	1.2	135	7.58	7110	BB25 S4	XT5 219X20 (86) 185-3 (83)
30	4	120	17.0	99	0	1	100	104	237	61	1.7	134	7.52	7112	BB25	XT5 223X24 (86) 7088-2 (85)
30	5	114	17.3	98	0	2	96	107	243	62	1.0	125	7.17	7114	BB25 (NC256)	XT5 227X28 (86) 7088bulk (85)
30	6	118	17.5	98	0	2	93	110	247	63	1.3	129	7.42	7129	B73 MAYDIS S2 94%	XT5 257X58 (86) 7124-1 (85)
30	7	125	17.1	98	0	2	105	106	243	62	1.2	138	7.86	7130	B73 MAYDIS S2 94%	XT5 4197X98 (86) 7124-2 (85)
30	8	122	16.9	97	0	3	107	107	243	62	1.4	135	7.67	7133	B73 MAYDIS S4 94%	XT5 4203X04 (86) 7339-1 (85)
30	9	128	17.2	99	0	1	104	119	256	63	1.7	141	8.02	7135	B73 MAYDIS S4 88%	XT5 269X70 (86) 7133-2 (85)
30	10	121	17.0	97	0	3	102	109	244	62	1.8	133	7.62	7137	B73 MAYDIS S4 88%	XT5 273X74 (86) 7134-1 (85)
30	11	120	17.2	96	0	4	105	108	248	62	2.5	130	7.51	7138	B73 MAYDIS S4 88%	XT5 275X76 (86) 7134-2 (85)
30	12	123	17.4	98	0	2	106	111	247	63	2.1	133	7.72	7140	B73 MAYDIS S4 88%	XT5 279X80 (86) 7135-2 (85)
30	13	120	17.3	97	0	3	104	115	248	62	2.6	131	7.55	7142	B73 MAYDIS S4 88%	XT5 283X84 (86) 7136-1 (85)
30	14	116	17.3	96	0	4	102	113	249	63	1.9	125	7.29	7144	B73 MAYDIS S4 88%	XT5 287X88 (86) 7137-1 (85)
30	15	120	17.2	97	0	3	104	114	255	62	1.9	131	7.54	7145	B73 MAYDIS S4 88%	XT5 289X90 (86) 7137-2 (85)
30	16	118	17.3	98	0	2	103	113	246	63	1.6	129	7.39	7148	B73 MAYDIS S6 75%	XT5 295X96 (86) 7011-3 (85)
30	17	117	17.1	95	0	5	102	110	245	63	2.1	126	7.34	7149	B73 MAYDIS S6 75%	XT5 297X98 (86) 7011-4 (85)
30	18	118	17.1	98	0	2	100	105	236	62	1.3	131	7.42	7150	B73 MAYDIS S6 75%	XT5 299X 0 (86) 7011-5 (85)
30	19	120	17.5	96	0	4	102	107	241	64	1.4	129	7.54	7152	B73 MAYDIS S6 75%	XT5 303X 4 (86) 7013-2 (85)
30	20	110	17.6	97	0	3	94	107	241	62	1.8	119	6.91	7153	B73 MAYDIS S6 75%	XT5 305X 6 (86) 7013-3 (85)
30	21	120	17.2	98	0	2	98	107	244	62	1.3	131	7.52	7158	B73 MAYDIS S6 75%	XT5 315X16 (86) 7367-1 (85)
30	22	109	17.4	95	0	5	98	107	240	62	2.0	117	6.85	7161	B73 MAYDIS S6 75%	XT5 321X22 (86) 7369-2 (85)
30	23	120	17.1	97	0	3	97	117	252	63	1.7	131	7.52	7162	B73 MAYDIS S7 50%	XT5 323X24 (86) 7143-1 (85)
30	24	124	17.4	95	0	5	102	116	251	63	1.4	132	7.81	7163	B73 MAYDIS S7 50%	XT5 325X26 (86) 7143-2 (85)
30	25	125	17.2	94	0	6	102	115	252	64	1.4	133	7.87	7164	B73 MAYDIS S7 50%	XT5 327X28 (86) 7143-3 (85)
30	26	123	16.9	98	0	2	104	104	238	62	.9	136	7.74	7652	B73RHMGLS S7 88%	XT5 5417X18 (86) 5N00076
30	27	130	17.2	97	0	3	102	112	244	63	1.4	141	8.14	901	B73HT X MO17HT	REC. 1987
30	28	134	18.1	97	0	3	104	122	251	66	.6	140	8.40	909	DEKALB 689	REC. 1986
30	29	138	19.3	98	0	2	106	120	250	68	.2	139	8.69	902	PIONEER 3165	REC. 1987
30	30	121	17.8	98	0	2	99	106	247	63	.8	130	7.59	917	FUNKS G4522	REC. 1986
		121	17.4	97	0	3	101	110	245	62	1.4	132	7.62		EXPERIMENT MEANS	
		10	.5	4	1	3	7	12	9	2	1.6	15	.78		LSD .05 (ENTRY x ENV)	
		14	.7	5	1	4	10	16	12	3	2.1	19	1.04		LSD .01 (ENTRY x ENV)	
		7	2.	3	551	93	4	5	3	2	34	7	6.		C. V. % (ENTRY x ENV)	

T 5 = Mo17Ht x Oh43E

Table 92. Experiment 30 Analysis over locations for BB, B73 Maydis, Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
30	1	136	19.0	98	0	2	101	104	244	66	.7	138	8.53	7097	BB8 XT5	193X94 (86) 268-1 (81)
30	2	129	18.9	98	0	2	96	96	224	66	.4	133	8.09	7107	BB18 S4 XT5	213X14 (86) 113-3 (83)
30	3	126	18.0	99	0	1	99	106	231	66	1.1	136	7.93	7110	BB25 S4 XT5	219X20 (86) 185-3 (83)
30	4	114	18.4	99	0	1	88	106	237	65	1.6	120	7.14	7112	BB25 XT5	223X24 (86) 7088-2 (85)
30	5	125	18.2	96	0	4	96	108	237	66	.9	131	7.87	7114	BB25 (NC256) XT5	227X28 (86) 7088bulk (85)
30	6	118	18.7	97	0	3	91	110	248	67	1.5	121	7.41	7129	B73 MAYDIS S2 94% XT5	257X58 (86) 7124-1 (85)
30	7	126	18.2	98	0	2	99	109	241	66	.8	133	7.90	7130	B73 MAYDIS S2 94% XT5	4197X98 (86) 7124-2 (85)
30	8	128	18.2	98	0	2	103	111	243	66	1.4	135	8.05	7133	B73 MAYDIS S4 94% XT5	4203X04 (86) 7339-1 (85)
30	9	130	18.1	99	0	1	99	119	256	67	1.8	139	8.17	7135	B73 MAYDIS S4 88% XT5	269X70 (86) 7133-2 (85)
30	10	123	18.4	99	0	1	95	112	243	66	1.6	130	7.75	7137	B73 MAYDIS S4 88% XT5	273X74 (86) 7134-1 (85)
30	11	125	18.5	100	0	0	100	110	247	66	2.6	132	7.83	7138	B73 MAYDIS S4 88% XT5	275X76 (86) 7134-2 (85)
30	12	126	18.6	99	0	0	102	109	240	67	2.5	132	7.90	7140	B73 MAYDIS S4 88% XT5	279X80 (86) 7135-2 (85)
30	13	124	18.6	98	0	2	101	109	241	66	2.4	128	7.75	7142	B73 MAYDIS S4 88% XT5	283X84 (86) 7136-1 (85)
30	14	120	18.6	97	0	3	99	107	243	67	1.5	125	7.57	7144	B73 MAYDIS S4 88% XT5	287X88 (86) 7137-1 (85)
30	15	124	18.6	99	0	1	101	109	252	67	1.8	130	7.82	7145	B73 MAYDIS S4 88% XT5	289X90 (86) 7137-2 (85)
30	16	123	18.3	98	0	2	100	114	248	67	2.0	129	7.72	7148	B73 MAYDIS S6 75% XT5	295X96 (86) 7011-3 (85)
30	17	124	18.2	98	0	2	100	109	245	68	2.0	131	7.75	7149	B73 MAYDIS S6 75% XT5	297X98 (86) 7011-4 (85)
30	18	117	18.2	97	0	3	94	108	233	67	1.0	123	7.35	7150	B73 MAYDIS S6 75% XT5	299X 0 (86) 7011-5 (85)
30	19	128	18.6	99	0	1	97	110	239	69	.8	134	8.04	7152	B73 MAYDIS S6 75% XT5	303X 4 (86) 7013-2 (85)
30	20	114	18.8	98	0	2	88	105	238	67	2.2	119	7.17	7153	B73 MAYDIS S6 75% XT5	305X 6 (86) 7013-3 (85)
30	21	120	18.5	98	0	2	88	110	240	67	.6	126	7.53	7158	B73 MAYDIS S6 75% XT5	315X16 (86) 7367-1 (85)
30	22	111	18.8	99	0	1	86	107	238	66	2.6	117	6.99	7161	B73 MAYDIS S6 75% XT5	321X22 (86) 7369-2 (85)
30	23	125	18.2	96	0	4	94	119	252	68	1.4	130	7.85	7162	B73 MAYDIS S7 50% XT5	323X24 (86) 7143-1 (85)
30	24	126	18.4	96	0	4	96	112	247	67	1.1	130	7.89	7163	B73 MAYDIS S7 50% XT5	325X26 (86) 7143-2 (85)
30	25	131	18.1	93	1	6	100	114	249	69	.7	135	8.26	7164	B73 MAYDIS S7 50% XT5	327X28 (86) 7143-3 (85)
30	26	128	18.2	98	0	2	99	102	236	66	.5	135	8.05	7652	B73RHMGLS S7 88% XT5	5417X18 (86) 5N00076
30	27	137	18.4	99	0	1	100	111	243	67	1.1	144	8.62	901	B73HT X MO17HT	REC. 1987
30	28	145	19.1	98	0	2	106	122	251	72	-.2	147	9.08	909	DEKALB 689	REC. 1986
30	29	141	21.2	97	1	1	104	119	249	74	.0	132	8.88	902	PIONEER 3165	REC. 1987
30	30	124	19.2	99	0	1	97	110	248	68	.5	127	7.78	917	FUNKS G4522	REC. 1986
		126	18.6	98	0	2	97	110	243	67	1.3	131	7.89		EXPERIMENT MEANS	
		13	.5	4	1	3	7	12	9	2	1.6	15	.78		LSD .05 (ENTRY x ENV)	
		18	.7	5	1	4	10	16	12	3	2.1	19	1.04		LSD .01 (ENTRY x ENV)	
		7	2.	3	247	99	5	6	3	2	73	7	6.		C. V. % (ENTRY x ENV)	

T 5 = Mo17Ht x Oh43E

Table 93. Experiment C30 Clayton, N.C. BB, B73 Maydis, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C30	1	145	18.9	99	0	1	100	93	247	66	.7	150	9.11	7097	BB8	XT5 193X94 (86) 268-1 (81)
C30	2	134	18.6	98	0	2	98	91	242	66	.4	140	8.43	7107	BB18 S4	XT5 213X14 (86) 113-3 (83)
C30	3	142	17.5	100	0	0	102	109	253	66	1.1	155	8.90	7110	BB25 S4	XT5 219X20 (86) 185-3 (83)
C30	4	139	17.9	100	0	0	99	108	255	65	1.6	149	8.70	7112	BB25	XT5 223X24 (86) 7088-2 (85)
C30	5	139	17.7	99	0	1	100	105	253	66	.9	150	8.73	7114	BB25 (NC256)	XT5 227X28 (86) 7088bulk (85)
C30	6	133	18.4	100	0	0	94	114	257	67	1.5	141	8.37	7129	B73 MAYDIS S2 94%	XT5 257X58 (86) 7124-1 (85)
C30	7	140	18.1	99	0	1	102	105	252	66	.8	149	8.78	7130	B73 MAYDIS S2 94%	XT5 4197X98 (86) 7124-2 (85)
C30	8	145	17.6	100	0	0	104	114	260	66	1.4	157	9.12	7133	B73 MAYDIS S4 94%	XT5 4203X04 (86) 7339-1 (85)
C30	9	146	18.2	99	0	1	106	122	262	67	1.8	155	9.19	7135	B73 MAYDIS S4 88%	XT5 269X70 (86) 7133-2 (85)
C30	10	141	17.8	100	0	0	101	113	261	66	1.6	151	8.84	7137	B73 MAYDIS S4 88%	XT5 273X74 (86) 7134-1 (85)
C30	11	140	18.6	99	0	1	104	108	258	66	2.6	146	8.79	7138	B73 MAYDIS S4 88%	XT5 275X76 (86) 7134-2 (85)
C30	12	145	18.6	99	1	0	107	109	259	67	2.5	151	9.10	7140	B73 MAYDIS S4 88%	XT5 279X80 (86) 7135-2 (85)
C30	13	141	18.6	98	0	2	108	116	264	66	2.4	146	8.85	7142	B73 MAYDIS S4 88%	XT5 283X84 (86) 7136-1 (85)
C30	14	144	18.4	98	0	2	107	117	265	67	1.5	150	9.07	7144	B73 MAYDIS S4 88%	XT5 287X88 (86) 7137-1 (85)
C30	15	145	18.6	98	0	2	104	112	263	67	1.8	150	9.12	7145	B73 MAYDIS S4 88%	XT5 289X90 (86) 7137-2 (85)
C30	16	142	18.1	100	0	0	103	116	260	67	2.0	151	8.89	7148	B73 MAYDIS S6 75%	XT5 295X96 (86) 7011-3 (85)
C30	17	139	17.7	99	0	1	102	114	263	68	2.0	149	8.70	7149	B73 MAYDIS S6 75%	XT5 297X98 (86) 7011-4 (85)
C30	18	132	17.7	97	0	3	101	109	256	67	1.0	141	8.32	7150	B73 MAYDIS S6 75%	XT5 299X 0 (86) 7011-5 (85)
C30	19	131	18.4	99	0	1	102	111	251	69	.8	138	8.23	7152	B73 MAYDIS S6 75%	XT5 303X 4 (86) 7013-2 (85)
C30	20	118	18.6	98	0	2	89	106	255	67	2.2	123	7.38	7153	B73 MAYDIS S6 75%	XT5 305X 6 (86) 7013-3 (85)
C30	21	134	18.2	99	0	1	95	106	253	67	.6	142	8.41	7158	B73 MAYDIS S6 75%	XT5 315X16 (86) 7367-1 (85)
C30	22	130	18.6	99	0	1	93	112	260	66	2.6	137	8.19	7161	B73 MAYDIS S6 75%	XT5 321X22 (86) 7369-2 (85)
C30	23	133	18.2	99	0	1	99	126	263	68	1.4	141	8.35	7162	B73 MAYDIS S7 50%	XT5 323X24 (86) 7143-1 (85)
C30	24	141	18.1	96	0	4	105	117	263	67	1.1	146	8.84	7163	B73 MAYDIS S7 50%	XT5 325X26 (86) 7143-2 (85)
C30	25	143	18.0	98	1	1	104	117	263	69	.7	151	8.95	7164	B73 MAYDIS S7 50%	XT5 327X28 (86) 7143-3 (85)
C30	26	146	18.2	99	0	1	102	96	250	66	.5	154	9.17	7652	B73RHMGLS S7 88%	XT5 5417X18 (86) 5N00076
C30	27	142	17.6	99	0	1	100	111	254	67	1.1	153	8.91	901	B73HT X MO17HT	REC. 1987
C30	28	150	18.8	99	0	1	106	126	265	72	-.2	156	9.43	909	DEKALB 689	REC. 1986
C30	29	162	20.7	97	2	1	106	128	264	74	.0	155	10.20	902	PIONEER 3165	REC. 1987
C30	30	132	18.7	100	0	0	100	107	258	68	.5	138	8.27	917	FUNKS G4522	REC. 1986
		140	18.3	99	0	1	101	111	258	67	1.3	147	8.78		EXPERIMENT MEANS	
		12	.5	3	1	3	6	11	8	1	1.6	14	.78		LSD .05 (ENTRY x REP)	
		17	.7	4	1	4	9	15	11	2	2.1	18	1.04		LSD .01 (ENTRY x REP)	
		5	1.8	2	426	205	4	6	2	1	73	6	5.		C. V. % (ENTRY x REP)	
		101	109.	94	96	98	120	103	102	118	108	100	101.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 94. Experiment L30 Lewiston, N.C. BB, B73 Maydis, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L30	1	132	18.9	99	1	0	98	90	212	0	.0	136	8.28	7097	BB8	XT5 193X94 (86) 268-1 (81)
L30	2	119	18.8	100	0	0	90	82	192	0	.0	125	7.46	7107	BB18 S4	XT5 213X14 (86) 113-3 (83)
L30	3	110	18.4	98	0	2	90	97	193	0	.0	117	6.91	7110	BB25 S4	XT5 219X20 (86) 185-3 (83)
L30	4	80	18.3	99	0	1	62	90	195	0	.0	87	5.03	7112	BB25	XT5 223X24 (86) 7088-2 (85)
L30	5	108	18.1	94	0	6	83	98	195	0	.0	113	6.80	7114	BB25 (NC256)	XT5 227X28 (86) 7088bulk (85)
L30	6	100	18.4	93	0	7	82	92	210	0	.0	101	6.28	7129	B73 MAYDIS S2 94%	XT5 257X58 (86) 7124-1 (85)
L30	7	99	18.0	99	0	1	84	93	200	0	.0	107	6.20	7130	B73 MAYDIS S2 94%	XT5 4197X98 (86) 7124-2 (85)
L30	8	105	18.4	98	0	2	96	90	197	0	.0	112	6.62	7133	B73 MAYDIS S4 94%	XT5 4203X04 (86) 7339-1 (85)
L30	9	115	17.9	100	0	0	87	102	217	0	.0	125	7.21	7135	B73 MAYDIS S4 88%	XT5 269X70 (86) 7133-2 (85)
L30	10	102	18.6	98	0	2	84	95	195	0	.0	107	6.40	7137	B73 MAYDIS S4 88%	XT5 273X74 (86) 7134-1 (85)
L30	11	106	18.2	100	0	0	90	100	203	0	.0	115	6.63	7138	B73 MAYDIS S4 88%	XT5 275X76 (86) 7134-2 (85)
L30	12	112	18.3	100	0	0	93	95	195	0	.0	120	7.02	7140	B73 MAYDIS S4 88%	XT5 279X80 (86) 7135-2 (85)
L30	13	105	18.3	99	0	1	86	93	200	0	.0	112	6.59	7142	B73 MAYDIS S4 88%	XT5 283X84 (86) 7136-1 (85)
L30	14	96	18.7	98	0	2	86	85	200	0	.0	101	6.04	7144	B73 MAYDIS S4 88%	XT5 287X88 (86) 7137-1 (85)
L30	15	106	18.4	100	0	0	93	88	203	0	.0	114	6.67	7145	B73 MAYDIS S4 88%	XT5 289X90 (86) 7137-2 (85)
L30	16	110	18.1	95	0	5	89	97	208	0	.0	115	6.89	7148	B73 MAYDIS S6 75%	XT5 295X96 (86) 7011-3 (85)
L30	17	100	18.1	99	0	1	90	88	195	0	.0	109	6.27	7149	B73 MAYDIS S6 75%	XT5 297X98 (86) 7011-4 (85)
L30	18	85	18.4	96	0	4	82	93	193	0	.0	89	5.35	7150	B73 MAYDIS S6 75%	XT5 299X 0 (86) 7011-5 (85)
L30	19	113	18.1	100	0	0	82	107	210	0	.0	123	7.07	7152	B73 MAYDIS S6 75%	XT5 303X 4 (86) 7013-2 (85)
L30	20	92	18.9	99	0	1	73	88	200	0	.0	96	5.79	7153	B73 MAYDIS S6 75%	XT5 305X 6 (86) 7013-3 (85)
L30	21	97	18.4	98	0	2	70	98	200	0	.0	103	6.09	7158	B73 MAYDIS S6 75%	XT5 315X16 (86) 7367-1 (85)
L30	22	88	18.5	100	0	0	71	90	198	0	.0	96	5.54	7161	B73 MAYDIS S6 75%	XT5 321X22 (86) 7369-2 (85)
L30	23	116	17.9	92	1	7	88	103	213	0	.0	119	7.28	7162	B73 MAYDIS S7 50%	XT5 323X24 (86) 7143-1 (85)
L30	24	103	17.9	98	0	2	77	95	207	0	.0	111	6.44	7163	B73 MAYDIS S7 50%	XT5 325X26 (86) 7143-2 (85)
L30	25	117	17.9	97	1	2	91	100	212	0	.0	125	7.38	7164	B73 MAYDIS S7 50%	XT5 327X28 (86) 7143-3 (85)
L30	26	108	18.0	96	0	4	88	85	195	0	.0	114	6.79	7652	B73RHMGLS S7 88%	XT5 5417X18 (86) 5N00076
L30	27	119	18.6	98	0	2	93	97	207	0	.0	124	7.49	901	B73HT X MO17HT	REC. 1987
L30	28	137	18.8	99	0	1	100	110	210	0	.0	141	8.60	909	DEKALB 689	REC. 1986
L30	29	114	20.4	95	2	3	94	107	213	0	.0	107	7.16	902	PIONEER 3165	REC. 1987
L30	30	106	19.2	99	0	1	87	97	217	0	.0	108	6.66	917	FUNKS G4522	REC. 1986
		107	18.4	98	0	2	86	95	203	0	.0	112	6.70		EXPERIMENT MEANS	
		24	.6	4	1	4	16	15	20	0	.0	26	1.53		LSD .05 (ENTRY x REP)	
		32	.8	6	2	5	21	20	27	0	.0	35	2.04		LSD .01 (ENTRY x REP)	
		14	2.0	3	506	131	11	10	6	0	0	14	14.		C. V. % (ENTRY x REP)	
		106	134.	92	102	89	103	86	88	0	0	105	106.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 95. Experiment P30 Plymouth, N.C. BB, B73 Maydis, Top Crosses, 1988
30 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P30	1	130	19.2	95	0	5	104	129	274	0	.0	129	8.19	7097	BB8	XT5 193X94 (86) 268-1 (81)
P30	2	134	19.2	97	0	3	99	115	238	0	.0	135	8.39	7107	BB18 S4	XT5 213X14 (86) 113-3 (83)
P30	3	127	18.0	98	0	2	106	113	248	0	.0	135	7.99	7110	BB25 S4	XT5 219X20 (86) 185-3 (83)
P30	4	122	18.9	97	0	3	103	120	260	0	.0	125	7.68	7112	BB25	XT5 223X24 (86) 7088-2 (85)
P30	5	129	18.7	95	0	5	104	121	264	0	.0	131	8.08	7114	BB25 (NC256)	XT5 227X28 (86) 7088bulk (85)
P30	6	121	19.2	97	0	3	96	125	277	0	.0	122	7.58	7129	B73 MAYDIS S2 94%	XT5 257X58 (86) 7124-1 (85)
P30	7	139	18.5	95	0	5	111	128	272	0	.0	143	8.73	7130	B73 MAYDIS S2 94%	XT5 4197X98 (86) 7124-2 (85)
P30	8	134	18.7	95	0	5	109	128	273	0	.0	136	8.42	7133	B73 MAYDIS S4 94%	XT5 4203X04 (86) 7339-1 (85)
P30	9	129	18.3	98	0	2	104	132	289	0	.0	136	8.12	7135	B73 MAYDIS S4 88%	XT5 269X70 (86) 7133-2 (85)
P30	10	127	18.9	98	0	2	99	127	273	0	.0	131	8.00	7137	B73 MAYDIS S4 88%	XT5 273X74 (86) 7134-1 (85)
P30	11	129	18.6	100	0	0	106	123	281	0	.0	135	8.07	7138	B73 MAYDIS S4 88%	XT5 275X76 (86) 7134-2 (85)
P30	12	121	18.8	99	0	1	107	122	267	0	.0	126	7.59	7140	B73 MAYDIS S4 88%	XT5 279X80 (86) 7135-2 (85)
P30	13	125	18.8	98	0	2	108	119	260	0	.0	127	7.82	7142	B73 MAYDIS S4 88%	XT5 283X84 (86) 7136-1 (85)
P30	14	121	18.8	96	0	4	105	120	264	0	.0	123	7.60	7144	B73 MAYDIS S4 88%	XT5 287X88 (86) 7137-1 (85)
P30	15	122	18.8	98	0	2	105	127	290	0	.0	127	7.68	7145	B73 MAYDIS S4 88%	XT5 289X90 (86) 7137-2 (85)
P30	16	118	18.8	99	0	1	108	129	276	0	.0	122	7.39	7148	B73 MAYDIS S6 75%	XT5 295X96 (86) 7011-3 (85)
P30	17	132	18.8	97	0	3	109	126	276	0	.0	135	8.27	7149	B73 MAYDIS S6 75%	XT5 297X98 (86) 7011-4 (85)
P30	18	133	18.5	98	0	2	100	122	249	0	.0	139	8.38	7150	B73 MAYDIS S6 75%	XT5 299X 0 (86) 7011-5 (85)
P30	19	141	19.2	98	0	2	106	113	255	0	.0	142	8.82	7152	B73 MAYDIS S6 75%	XT5 303X 4 (86) 7013-2 (85)
P30	20	133	19.0	98	0	2	103	121	259	0	.0	137	8.33	7153	B73 MAYDIS S6 75%	XT5 305X 6 (86) 7013-3 (85)
P30	21	129	18.9	98	0	2	100	126	268	0	.0	132	8.08	7158	B73 MAYDIS S6 75%	XT5 315X16 (86) 7367-1 (85)
P30	22	115	19.2	98	0	2	93	118	256	0	.0	117	7.24	7161	B73 MAYDIS S6 75%	XT5 321X22 (86) 7369-2 (85)
P30	23	126	18.6	97	0	3	95	129	281	0	.0	131	7.93	7162	B73 MAYDIS S7 50%	XT5 323X24 (86) 7143-1 (85)
P30	24	134	19.1	95	0	5	107	123	271	0	.0	133	8.39	7163	B73 MAYDIS S7 50%	XT5 325X26 (86) 7143-2 (85)
P30	25	134	18.5	85	1	14	105	125	273	0	.0	128	8.44	7164	B73 MAYDIS S7 50%	XT5 327X28 (86) 7143-3 (85)
P30	26	131	18.3	100	0	0	108	126	263	0	.0	138	8.20	7652	B73RHMGLS S7 88%	XT5 5417X18 (86) 5N00076
P30	27	151	19.1	99	0	1	108	126	268	0	.0	154	9.47	901	B73HT X MO17HT	REC. 1987
P30	28	147	19.6	97	0	3	111	131	278	0	.0	145	9.20	909	DEKALB 689	REC. 1986
P30	29	148	22.6	100	0	0	111	123	271	0	.0	134	9.28	902	PIONEER 3165	REC. 1987
P30	30	134	19.6	98	0	2	104	125	270	0	.0	135	8.40	917	FUNKS G4522	REC. 1986
		130	19.0	97	0	3	104	124	268	0	.0	133	8.19		EXPERIMENT MEANS	
		13	.5	7	0	7	8	16	26	0	.0	16	.82		LSD .05 (ENTRY x REP)	
		18	.7	10	1	9	11	22	35	0	.0	22	1.10		LSD .01 (ENTRY x REP)	
		6	1.6	5	949	153	5	8	6	0	0	7	6.		C. V. % (ENTRY x REP)	
		101	108.	100	100	100	100	125	141	0	0	97	101.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 96. Experiment 31 Analysis over locations and years for GC, MM2217, Oh43E, and FL FSHMR Top Crosses, 1988

Year 1988: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.
Year 1987: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
31	1	120	18.4	92	0	8	105	96	233	61	1.9	120	7.53	7170	GC79 S3 XT3	339X40 (86) 449-2 (83)
31	2	119	18.6	91	1	8	100	113	242	66	1.0	117	7.48	7176	GC88 XT3	351X52 (86) 7090-2 (85)
31	3	119	18.5	95	1	4	102	106	234	63	1.5	123	7.51	7182	GCT-2 12 S5 XT3	363X64 (86) 479BULK (83)
31	4	115	18.3	97	0	3	106	108	237	64	1.5	121	7.24	7186	GCT-2 12 S6 XT3	4215X16 (86) 485BULK (83)
31	5	111	17.1	95	0	5	104	92	222	61	1.6	120	6.96	7187	MM2217(MO17RG)S5 94% XT3	373X74 (86) 7162-1 (85)
31	6	111	17.1	91	0	9	102	94	228	62	1.7	117	6.98	7189	MM2217(MO17RG)S5 94% XT3	377X78 (86) 7164-1 (85)
31	7	113	16.8	97	0	3	103	83	210	60	.8	126	7.10	7192	OH43E(MO17) S2 88% XT3	383X84 (86) 7166-1 (85)
31	8	111	16.5	96	0	5	99	87	218	60	.7	124	6.97	7193	OH43E(MO17) S2 88% XT3	385X86 (86) 7167-1 (85)
31	9	115	16.7	97	0	3	101	87	214	61	1.3	128	7.24	7195	OH43E(MO17) S2 88% XT3	389X90 (86) 7167-3 (85)
31	10	118	16.3	96	0	4	105	84	212	61	.6	133	7.41	7196	OH43E(MO17) S2 88% XT3	391X92 (86) 7167-4 (85)
31	11	113	17.1	93	0	6	104	96	226	62	1.2	122	7.12	7197	OH43E(MM2217) S3 88% XT3	393X94 (86) 7478-1 (85)
31	12	116	18.4	94	0	6	99	93	224	60	.9	118	7.29	7209	FL FSHMR(VA35G)S5 88%XT3	417X18 (86) 7543-1 (85)
31	13	114	18.2	90	0	10	102	95	223	60	.9	113	7.16	7210	FL FSHMR(VA35G)S5 88%XT3	419X20 (86) 7543-2 (85)
31	14	121	17.3	94	2	4	100	107	234	63	1.1	128	7.63	901	B73TH X MO17HT	REC. 1987
31	15	139	19.7	87	9	4	105	116	241	68	.1	127	8.73	902	PIONEER 3165	REC. 1987
31	16	134	18.0	94	0	6	103	113	237	66	.8	137	8.39	909	DEKALB 689	REC. 1986
31	17	135	17.4	98	0	2	103	110	241	65	.2	146	8.49	911	PIONEER 3233	REC. 1986
31	18	117	18.2	92	1	8	96	101	236	63	.5	118	7.36	917	FUNKS G4522	REC. 1986
31	19	136	18.8	96	0	4	102	105	237	63	.4	138	8.51	915	PIONEER 3192	REC. 1987
31	20	129	18.0	99	0	1	98	107	234	62	1.0	137	8.07	906	PIONEER 3389	REC. 1985
		120	17.8	94	1	5	102	100	229	62	1.0	126	7.56		EXPERIMENT MEANS	
		10	.8	9	8	4	9	10	10	2	.8	17	.83		LSD .05 (ENTRY x ENV)	
		13	1.1	12	11	4	12	14	13	2	1.0	23	1.12		LSD .01 (ENTRY x ENV)	
		7	3.	8	565	101	4	6	3	2	42	10	6.		C. V. % (ENTRY x ENV)	

T 3 = A632Ht x B73Ht

Table 97. Experiment 31 Analysis over locations for GC, MM2217, Oh43E, and FL FSHMR Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
31	1	118	19.3	96	0	4	101	102	235	64	1.3	118	7.43	7170	GC79 S3 XT3	339X40 (86) 449-2 (83)
31	2	112	19.9	91	2	6	97	117	244	71	.0	103	7.00	7176	GC88 XT3	351X52 (86) 7090-2 (85)
31	3	117	19.6	96	2	2	104	110	240	67	.9	115	7.35	7182	GCT-2 12 S5 XT3	363X64 (86) 479BULK (83)
31	4	108	19.3	98	0	2	102	108	233	68	1.0	109	6.76	7186	GCT-2 12 S6 XT3	4215X16 (86) 485BULK (83)
31	5	115	18.3	99	0	1	106	98	228	65	1.0	121	7.23	7187	MM2217(MO17RG)S5 94% XT3	373X74 (86) 7162-1 (85)
31	6	115	18.2	99	0	1	102	96	227	66	.7	123	7.23	7189	MM2217(MO17RG)S5 94% XT3	377X78 (86) 7164-1 (85)
31	7	114	17.2	99	0	1	100	92	218	64	-.1	127	7.16	7192	OH43E(MO17) S2 88% XT3	383X84 (86) 7166-1 (85)
31	8	113	17.2	97	0	3	99	92	219	64	.0	124	7.12	7193	OH43E(MO17) S2 88% XT3	385X86 (86) 7167-1 (85)
31	9	113	17.2	97	0	3	96	96	223	65	.3	125	7.12	7195	OH43E(MO17) S2 88% XT3	389X90 (86) 7167-3 (85)
31	10	125	17.3	99	0	1	103	95	220	65	-.1	138	7.85	7196	OH43E(MO17) S2 88% XT3	391X92 (86) 7167-4 (85)
31	11	115	17.8	95	1	5	102	106	233	66	.7	121	7.23	7197	OH43E(MM2217) S3 88% XT3	393X94 (86) 7478-1 (85)
31	12	118	19.6	96	1	4	96	103	231	64	.0	114	7.37	7209	FL FSHMR(VA35G)S5 88%XT3	417X18 (86) 7543-1 (85)
31	13	110	19.8	95	1	4	96	98	223	64	.0	106	6.91	7210	FL FSHMR(VA35G)S5 88%XT3	419X20 (86) 7543-2 (85)
31	14	121	18.4	95	4	1	100	118	239	67	.6	125	7.60	901	B73TH X MO17HT	REC. 1987
31	15	134	20.9	84	15	1	103	118	235	73	.1	114	8.39	902	PIONEER 3165	REC. 1987
31	16	132	19.3	97	0	3	104	116	239	72	-.3	131	8.27	909	DEKALB 689	REC. 1986
31	17	138	18.4	97	0	2	101	113	252	70	.0	144	8.64	911	PIONEER 3233	REC. 1986
31	18	128	19.2	97	1	2	95	110	245	67	.0	129	8.00	917	FUNKS G4522	REC. 1986
31	19	136	20.1	97	0	3	103	113	243	67	.0	132	8.55	915	PIONEER 3192	REC. 1987
31	20	128	19.3	99	0	1	93	115	246	67	.4	130	8.02	906	PIONEER 3389	REC. 1985
		120	18.8	96	1	3	100	106	234	67	.3	122	7.56		EXPERIMENT MEANS	
		14	.7	9	8	3	9	10	10	2	.8	17	.83		LSD .05 (ENTRY x ENV)	
		19	1.0	12	11	3	12	14	13	2	1.0	23	1.12		LSD .01 (ENTRY x ENV)	
		8	2.	7	401	69	5	6	4	2	139	10	8.		C. V. % (ENTRY x ENV)	

T 3 = A632Ht x B73Ht

Table 98. Experiment C31 Clayton, N.C. GC, MM2217, Oh43E, and FL FSHMR Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C31	1	130	19.9	100	0	0	111	95	247	64	1.3	132	8.19	7170	GC79 S3 XT3	339X40 (86) 449-2 (83)
C31	2	130	20.2	89	7	4	104	123	272	71	.0	117	8.14	7176	GC88 XT3	351X52 (86) 7090-2 (85)
C31	3	137	19.3	96	4	0	108	116	260	67	.9	137	8.63	7182	GCT-2 12 S5 XT3	363X64 (86) 479BULK (83)
C31	4	122	19.6	99	0	0	113	111	258	68	1.0	123	7.68	7186	GCT-2 12 S6 XT3	4215X16 (86) 485BULK (83)
C31	5	126	18.9	100	0	0	111	94	242	65	1.0	131	7.93	7187	MM2217(MO17RG)S5 94% XT3	373X74 (86) 7162-1 (85)
C31	6	134	18.7	99	0	1	105	98	248	66	.7	139	8.42	7189	MM2217(MO17RG)S5 94% XT3	377X78 (86) 7164-1 (85)
C31	7	132	17.5	99	0	1	108	91	237	64	-.1	144	8.32	7192	OH43E(MO17) S2 88% XT3	383X84 (86) 7166-1 (85)
C31	8	134	17.4	100	0	1	101	90	238	64	.0	147	8.43	7193	OH43E(MO17) S2 88% XT3	385X86 (86) 7167-1 (85)
C31	9	133	17.4	97	0	3	104	90	235	65	.3	144	8.38	7195	OH43E(MO17) S2 88% XT3	389X90 (86) 7167-3 (85)
C31	10	152	17.6	99	0	1	111	90	237	65	-.1	163	9.56	7196	OH43E(MO17) S2 88% XT3	391X92 (86) 7167-4 (85)
C31	11	142	18.1	96	2	2	108	109	250	66	.7	148	8.93	7197	OH43E(MM2217) S3 88% XT3	393X94 (86) 7478-1 (85)
C31	12	139	20.0	98	2	1	105	101	240	64	.0	136	8.70	7209	FL FSHMR(VA35G)S5 88%XT3	417X18 (86) 7543-1 (85)
C31	13	137	20.2	98	0	2	108	97	250	64	.0	134	8.61	7210	FL FSHMR(VA35G)S5 88%XT3	419X20 (86) 7543-2 (85)
C31	14	136	18.4	87	12	1	108	118	258	67	.6	132	8.55	901	B73TH X MO17HT	REC. 1987
C31	15	157	21.9	57	43	0	108	130	268	73	.1	104	9.85	902	PIONEER 3165	REC. 1987
C31	16	148	19.6	99	0	1	108	127	265	72	-.3	149	9.30	909	DEKALB 689	REC. 1986
C31	17	169	19.1	100	0	0	109	118	270	70	.0	173	10.63	911	PIONEER 3233	REC. 1986
C31	18	143	19.3	97	3	0	103	111	265	67	.0	143	8.95	917	FUNKS G4522	REC. 1986
C31	19	170	20.5	100	0	-1	105	106	263	67	.0	168	10.66	915	PIONEER 3192	REC. 1987
C31	20	156	19.8	100	0	0	103	120	272	67	.4	157	9.77	906	PIONEER 3389	REC. 1985
		141	19.2	96	4	1	107	107	254	67	.3	141	8.88		EXPERIMENT MEANS	
		13	.5	8	8	3	8	9	9	1	.8	16	.83		LSD .05 (ENTRY x REP)	
		18	.6	11	11	3	11	13	12	1	1.0	22	1.12		LSD .01 (ENTRY x REP)	
		6	1.5	5	139	170	5	5	2	1	139	7	6.		C. V. % (ENTRY x REP)	
		101	78.	90	80	129	98	107	88	87	102	103	101.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht

Table 99. Experiment L31 Lewiston, N.C. GC, MM2217, Oh43E, and FL FSHMR Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L31	1	108	18.6	97	0	3	94	93	211	0	.0	111	6.76	7170	GC79 S3 XT3	339X40 (86) 449-2 (83)
L31	2	76	19.8	92	0	8	89	99	211	0	.0	69	4.75	7176	GC88 XT3	351X52 (86) 7090-2 (85)
L31	3	92	20.1	95	3	3	97	90	214	0	.0	87	5.79	7182	GCT-2 12 S5 XT3	363X64 (86) 479BULK (83)
L31	4	76	18.7	98	0	2	85	88	199	0	.0	80	4.79	7186	GCT-2 12 S6 XT3	4215X16 (86) 485BULK (83)
L31	5	102	16.9	98	0	2	102	89	204	0	.0	113	6.38	7187	MM2217(MO17RG)S5 94% XT3	373X74 (86) 7162-1 (85)
L31	6	96	17.1	98	0	2	95	82	195	0	.0	109	6.03	7189	MM2217(MO17RG)S5 94% XT3	377X78 (86) 7164-1 (85)
L31	7	93	16.2	100	0	0	89	81	185	0	.0	113	5.85	7192	OH43E(MO17) S2 88% XT3	383X84 (86) 7166-1 (85)
L31	8	86	16.7	96	0	4	94	74	183	0	.0	98	5.43	7193	OH43E(MO17) S2 88% XT3	385X86 (86) 7167-1 (85)
L31	9	87	16.7	96	0	4	83	89	203	0	.0	100	5.47	7195	OH43E(MO17) S2 88% XT3	389X90 (86) 7167-3 (85)
L31	10	99	16.7	99	0	1	93	88	196	0	.0	116	6.20	7196	OH43E(MO17) S2 88% XT3	391X92 (86) 7167-4 (85)
L31	11	85	16.9	94	0	6	93	90	210	0	.0	94	5.31	7197	OH43E(MM2217) S3 88% XT3	393X94 (86) 7478-1 (85)
L31	12	95	19.2	96	0	4	84	96	209	0	.0	94	5.95	7209	FL FSHMR(VA35G)S5 88%XT3	417X18 (86) 7543-1 (85)
L31	13	76	19.4	91	2	7	77	82	180	0	.0	69	4.76	7210	FL FSHMR(VA35G)S5 88%XT3	419X20 (86) 7543-2 (85)
L31	14	101	17.9	100	0	0	93	105	216	0	.0	111	6.32	901	B73TH X MO17HT	REC. 1987
L31	15	103	19.5	97	2	1	98	97	191	0	.0	104	6.47	902	PIONEER 3165	REC. 1987
L31	16	109	19.1	97	0	3	97	97	206	0	.0	111	6.85	909	DEKALB 689	REC. 1986
L31	17	117	17.1	99	1	0	95	98	236	0	.0	132	7.34	911	PIONEER 3233	REC. 1986
L31	18	127	19.0	95	0	5	94	96	218	0	.0	127	7.95	917	FUNKS G4522	REC. 1986
L31	19	110	19.9	97	1	2	98	103	219	0	.0	106	6.91	915	PIONEER 3192	REC. 1987
L31	20	101	18.4	98	1	1	85	95	218	0	.0	106	6.31	906	PIONEER 3389	REC. 1985
		97	18.2	97	0	3	92	92	205	0	.0	102	6.08		EXPERIMENT MEANS	
		32	1.3	6	3	6	13	17	28	0	.0	33	2.00		LSD .05 (ENTRY x REP)	
		43	1.8	7	3	8	17	24	38	0	.0	45	2.70		LSD .01 (ENTRY x REP)	
		20	4.4	3	353	116	9	11	8	0	0	19	20.		C. V. % (ENTRY x REP)	
		119	121.	89	92	86	93	111	115	0	0	123	119.		R. E % (LATTICE)	

T 3 = A632 x B73Ht

Table 100. Experiment P31 Plymouth, N.C. GC, MM2217, Oh43E, and FL FSHMR Top Crosses, 1988
20 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P31	1	117	19.5	92	0	8	98	119	248	0	.0	112	7.34	7170	GC79 S3 XT3	339X40 (86) 449-2 (83)
P31	2	129	19.8	93	0	7	97	129	248	0	.0	123	8.10	7176	GC88 XT3	351X52 (86) 7090-2 (85)
P31	3	121	19.4	97	0	3	107	125	245	0	.0	121	7.62	7182	GCT-2 12 S5 XT3	363X64 (86) 479BULK (83)
P31	4	125	19.6	96	0	4	108	126	243	0	.0	123	7.82	7186	GCT-2 12 S6 XT3	4215X16 (86) 485BULK (83)
P31	5	117	19.1	98	0	2	104	111	239	0	.0	119	7.37	7187	MM2217(MO17RG)S5 94% XT3	373X74 (86) 7162-1 (85)
P31	6	115	18.8	99	0	1	107	108	239	0	.0	120	7.24	7189	MM2217(MO17RG)S5 94% XT3	377X78 (86) 7164-1 (85)
P31	7	116	18.0	97	0	3	103	105	231	0	.0	123	7.30	7192	OH43E(MO17) S2 88% XT3	383X84 (86) 7166-1 (85)
P31	8	120	17.6	95	0	5	102	113	237	0	.0	126	7.51	7193	OH43E(MO17) S2 88% XT3	385X86 (86) 7167-1 (85)
P31	9	120	17.6	99	0	1	101	108	231	0	.0	131	7.51	7195	OH43E(MO17) S2 88% XT3	389X90 (86) 7167-3 (85)
P31	10	124	17.6	98	0	2	104	106	228	0	.0	135	7.80	7196	OH43E(MO17) S2 88% XT3	391X92 (86) 7167-4 (85)
P31	11	119	18.3	94	0	6	105	120	240	0	.0	122	7.46	7197	OH43E(MM2217) S3 88% XT3	393X94 (86) 7478-1 (85)
P31	12	119	19.7	93	0	7	98	111	243	0	.0	113	7.47	7209	FL FSHMR(VA35G)S5 88%XT3	417X18 (86) 7543-1 (85)
P31	13	117	19.7	96	0	4	104	114	240	0	.0	114	7.35	7210	FL FSHMR(VA35G)S5 88%XT3	419X20 (86) 7543-2 (85)
P31	14	126	19.0	99	0	1	100	131	244	0	.0	131	7.94	901	B73TH X MO17HT	REC. 1987
P31	15	141	21.4	99	0	1	103	126	246	0	.0	133	8.85	902	PIONEER 3165	REC. 1987
P31	16	138	19.3	94	0	6	106	123	247	0	.0	134	8.65	909	DEKALB 689	REC. 1986
P31	17	127	18.9	93	0	7	100	122	250	0	.0	126	7.95	911	PIONEER 3233	REC. 1986
P31	18	113	19.3	99	0	1	89	123	251	0	.0	116	7.11	917	FUNKS G4522	REC. 1986
P31	19	129	19.9	93	0	7	105	131	247	0	.0	122	8.09	915	PIONEER 3192	REC. 1987
P31	20	127	19.6	99	0	1	90	129	247	0	.0	127	7.98	906	PIONEER 3389	REC. 1985
		123	19.1	96	0	4	101	119	242	0	.0	124	7.72		EXPERIMENT MEANS	
		16	.5	6	0	6	8	14	8	0	.0	19	1.01		LSD .05 (ENTRY x REP)	
		22	.7	7	0	7	11	19	11	0	.0	26	1.36		LSD .01 (ENTRY x REP)	
		8	1.6	3	0	85	5	7	2	0	0	9	8.		C. V. % (ENTRY x REP)	
		88	91.	103	0	103	77	111	184	0	0	95	88.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht

Table 101. Experiment 41 Analysis over locations for BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
41	1	128	17.2	99	0	1	98	107	240	66	-.1	142	8.03	8003	BB11 XT5	23X24 /87 161-2 /83
41	2	109	17.7	99	1	0	84	117	235	67	.5	121	6.86	8004	BB11 XT5	25X26 /87 229-1 /83
41	3	124	17.5	99	0	1	100	110	238	66	.1	135	7.78	8005	BB11 XT5	27X28 /87 229-2 /83
41	4	111	17.1	96	2	3	95	118	247	69	-.2	122	6.98	8008	NC250A XT5	33X34 /87 2858-2 /85
41	5	118	17.2	97	1	2	97	120	245	69	.4	129	7.40	8009	NC250A XT5	35X36 /87 2858-3 /85
41	6	117	16.9	97	1	2	101	121	248	69	.0	129	7.34	8010	NC250A XT5	37X38 /87 2858-4 /85
41	7	120	16.8	95	4	2	100	120	256	69	.3	131	7.55	8011	NC250A XT5	39X40 /87 2858-5 /85
41	8	120	17.2	99	0	1	85	124	241	67	.1	134	7.55	8012	B73 MAYDIS S4 R 97% XT5	41X42 /87 7292-1 /85
41	9	117	17.1	100	0	0	90	119	235	66	1.1	131	7.33	8013	B73 MAYDIS S4 R 97% XT5	43X44 /87 7293-1 /85
41	10	111	17.0	99	0	1	83	116	240	67	.4	124	6.94	8014	B73 MAYDIS S4 R 97% XT5	45X46 /87 7294-1 /85
41	11	122	16.8	98	0	2	94	115	234	65	.7	136	7.66	8016	B73 MAYDIS S4 R 97% XT5	49X50 /87 7298-1 /85
41	12	111	16.5	99	0	1	87	110	229	65	1.3	128	6.94	8017	B73 MAYDIS S4 R 97% XT5	51X52 /87 7299-1 /85
41	13	124	17.5	99	0	1	94	117	240	68	.1	136	7.76	8018	B73 MAYDIS S4 R 97% XT5	53X54 /87 7300-1 /85
41	14	117	16.8	98	1	1	95	118	241	66	.4	131	7.35	8019	B73 MAYDIS S4 R 97% XT5	55X56 /87 7302-1 /85
41	15	115	17.2	100	0	0	93	120	241	67	1.1	129	7.23	8020	B73 MAYDIS S4 R 97% XT5	57X58 /87 7305-1 /85
41	16	123	16.9	98	0	2	94	114	235	66	1.0	137	7.73	8021	B73 MAYDIS S4 R 97% XT5	59X60 /87 7306-1 /85
41	17	118	16.6	97	0	3	92	114	236	65	1.7	132	7.40	8022	B73 MAYDIS S4 R 97% XT5	61X62 /87 7307-1 /85
41	18	122	16.8	96	2	3	97	118	241	67	.4	134	7.68	8023	B73 MAYDIS S4 R 97% XT5	63X64 /87 7310-1 /85
41	19	116	17.2	97	1	2	96	122	248	67	.8	127	7.26	8024	B73 MAYDIS S4 R 97% XT5	65X66 /87 7311-1 /85
41	20	132	16.5	99	0	1	98	125	252	66	.6	148	8.29	8025	B73 MAYDIS S4 R 97% XT5	67X68 /87 7312-1 /85
41	21	118	17.6	99	1	0	88	119	244	67	.6	129	7.40	8026	B73 MAYDIS S4 R 97% XT5	69X70 /87 7313-1 /85
41	22	114	16.8	98	0	1	86	119	240	68	.6	128	7.16	8027	B73 MAYDIS S5 5 94% XT5	71X72 /87 7351-1 /85
41	23	113	17.1	100	0	0	86	115	236	67	.6	127	7.06	8028	B73 MAYDIS S5 5 94% XT5	73X74 /87 7352-1 /85
41	24	113	16.8	100	1	0	92	115	233	67	-.1	128	7.09	8029	B73 MAYDIS S5 5 94% XT5	75X76 /87 7353-1 /85
41	25	122	17.4	98	0	2	99	122	240	68	.0	133	7.69	8030	B73 MAYDIS S4 88% XT5	77X78 /87 3026-3 /83
41	26	113	17.3	99	0	1	88	122	244	67	.4	126	7.12	8031	B73 MAYDIS S4 88% XT5	79X80 /87 3029-1 /83
41	27	113	18.0	99	0	1	94	117	239	67	1.2	122	7.09	8032	B73 MAYDIS S4 88% XT5	81X82 /87 3044-2 /83
41	28	113	17.8	99	0	1	90	120	246	68	.8	123	7.12	8033	B73 MAYDIS S4 88% XT5	83X84 /87 7137-1 /85
41	29	111	17.4	99	0	1	93	117	240	68	1.0	123	6.99	8034	B73 MAYDIS S4 88% XT5	85X86 /87 7137-2 /85
41	30	116	16.4	98	0	2	93	112	237	67	.6	132	7.28	8035	B73 MAYDIS S4 9 88% XT5	87X88 /87 7354-1 /85
41	31	115	17.0	99	0	1	91	118	241	67	1.0	130	7.26	8036	B73 MAYDIS S4 9 88% XT5	89X90 /87 7354-2 /85
41	32	125	17.2	99	0	1	101	111	234	65	1.7	139	7.84	8037	B73 MAYDIS S4 9 88% XT5	91X92 /87 7355-1 /85
41	33	117	17.6	97	1	2	90	117	241	66	1.0	126	7.32	8040	B73 MAYDIS S5 88% XT5	97X98 /87 1946-2 /84
41	34	114	17.8	98	0	1	93	114	239	68	.0	123	7.15	8041	B73 MAYDIS S5 88% XT5	99X 0 /87 1958-2 /84
41	35	116	18.1	98	0	2	98	118	234	68	.7	124	7.31	8042	B73 MAYDIS S5 88% XT5	101X 2 /87 1959-1 /84
41	36	109	17.5	97	0	3	88	113	237	66	.7	118	6.85	8043	B73 MAYDIS S5 9+ 88% XT5	103X 4 /87 7005-1 /85
41	37	110	17.3	98	0	2	88	112	231	67	.0	122	6.89	8044	B73 MAYDIS S5 9+ 88% XT5	105X 6 /87 7005-2 /85
41	38	115	17.3	99	0	1	93	119	240	65	.8	128	7.24	8045	B73 MAYDIS S5 9+ 88% XT5	107X 8 /87 7005-3 /85
41	39	123	17.4	99	0	1	95	115	236	65	.7	135	7.74	8046	B73 MAYDIS S5 9+ 88% XT5	109X10 /87 7006-1 /85
41	40	124	17.6	98	0	2	94	114	240	68	.0	134	7.81	8047	B73 MAYDIS S4 9+ 75% XT5	111X12 /87 3384-1 /82
41	41	137	17.3	99	0	1	103	121	245	67	.7	149	8.60	8048	B73 MAYDIS S4 9 75% XT5	113X14 /87 3384-3 /82
41	42	139	16.7	99	0	1	100	116	240	67	.7	154	8.72	8049	B73 MAYDIS S4 75% XT5	115X16 /87 3385-2 /82
41	43	129	17.3	99	0	1	103	118	241	67	.6	142	8.07	8050	B73 MAYDIS S4 9 75% XT5	117X18 /87 3387-1 /82
41	44	127	17.7	99	0	1	104	119	239	68	.5	137	7.96	8051	B73 MAYDIS S4 9 75% XT5	119X20 /87 3387-5 /82
41	45	126	17.0	99	0	1	103	114	236	64	1.8	140	7.93	8052	B73 MAYDIS S4 9 75% XT5	121X22 /87 3397-2 /82
41	46	123	17.0	99	0	1	100	127	248	67	.5	137	7.74	8053	B73 MAYDIS S4RT 9 75%XT5	123X24 /87 3446-1 /82
41	47	126	17.2	97	1	3	102	119	248	68	.4	137	7.93	8054	B73 MAYDIS S5 75% XT5	125X26 /87 2064-2 /83
41	48	119	18.4	99	0	1	95	123	242	68	.9	125	7.45	8055	B73 MAYDIS S6 75% XT5	127X28 /87 3263-1 /83
41	49	123	16.9	99	0	1	94	118	237	68	.2	138	7.72	8056	B73 MAYDIS S6 9 75% XT5	129X30 /87 7370-1 /85
41	50	109	16.8	99	0	1	87	115	240	67	.4	124	6.86	8057	B73 MAYDIS S6 TS9 75%XT5	131X32 /87 7372-1 /85
41	51	117	17.4	99	0	1	96	119	238	67	.7	128	7.32	8058	B73 MAYDIS S7 4 75% XT5	133X34 /87 7029-1 /85
41	52	115	17.2	99	0	1	90	115	238	68	.8	127	7.19	8059	B73 MAYDIS S7 4 75% XT5	135X36 /87 7029-2 /85
41	53	109	17.0	98	0	2	88	116	237	67	.5	122	6.84	8061	B73 MAYDIS S7 4 75% XT5	139X40 /87 7029-4 /85
41	54	123	17.0	98	0	2	95	119	243	68	.0	135	7.73	8062	B73 MAYDIS S7 4 75% XT5	141X42 /87 7029-5 /85
41	55	116	17.6	99	0	0	90	117	240	67	.3	127	7.28	8063	B73 MAYDIS S7 4 75% XT5	143X44 /87 7031-1 /85
41	56	113	17.6	98	0	2	90	116	239	68	.6	123	7.12	8064	B73 MAYDIS S7 4 75% XT5	145X46 /87 7031-3 /85
41	57	129	17.4	98	0	2	103	126	249	68	.3	139	8.06	8066	B73 MAYDIS S6 50% XT5	149X50 /87 2057-2 /83
41	58	133	16.9	96	1	3	97	122	250	68	.2	144	8.32	8067	B73 MAYDIS S7 50% XT5	151X52 /87 7140-1 /85
41	59	129	17.1	97	0	3	97	123	251	68	.7	140	8.11	8068	B73 MAYDIS S7 50% XT5	153X54 /87 7141-1 /85
41	60	126	16.7	96	0	4	102	122	247	68	.1	138	7.91	8070	B73 MAYDIS S7 50% XT5	157X58 /87 7142-2 /85

Table 101. Experiment 41 Analysis over locations for BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE		
41	61	128	16.9	98	0	2	89	124	255	67	.1	142	8.04	8071	B73 MAYDIS S7	50%	XT5	159X60 /87	7142-3 /85
41	62	135	17.0	93	2	5	101	127	248	67	1.0	143	8.49	8072	B73 MAYDIS S7	50%	XT5	161X62 /87	7142-4 /85
41	63	118	17.4	98	1	2	88	118	240	66	.6	128	7.43	8076	B73)2(2A12) S4	75%	XT5	169X70 /87	7158-1 /85
41	64	120	17.5	96	1	3	95	115	240	67	.3	130	7.55	8077	B73(PA91)F2S5		XT5	171X72 /87	7423-1 /85
41	65	111	17.1	97	0	3	96	110	236	65	.7	123	6.99	8078	B73(PA91)F2S5		XT5	173X74 /87	7433-1 /85
41	66	109	17.6	99	0	1	83	115	236	67	.3	120	6.86	8079	B73(PA91)F2S5		XT5	175X76 /87	7434-1 /85
41	67	123	17.3	98	1	1	98	112	234	65	.4	135	7.74	8080	B73(PA91)F2S5		XT5	177X78 /87	7435-1 /85
41	68	126	17.3	100	0	0	92	114	234	66	.1	139	7.90	8081	B73(PA91)F2S5		XT5	179X80 /87	7436-1 /85
41	69	137	17.1	98	0	1	100	119	243	67	.3	150	8.61	8082	B73(PA91)F2S5		XT5	181X82 /87	7437-1 /85
41	70	138	17.4	99	0	1	103	128	245	66	.7	150	8.66	901	B73HT X MO17HT			REC. 1987	
41	71	130	20.5	95	3	2	101	123	236	73	-2.3	123	8.17	902	PIONEER 3165			REC. 1987	
41	72	132	18.3	96	0	4	99	127	246	71	-.3	137	8.26	909	DEKALB 689			REC. 1986	
		120	17.3	98	0	2	94	118	241	67	.5	132	7.56		EXPERIMENT MEANS				
		13	.7	6	3	3	11	14	10	2	1.3	22	1.18		LSD .05	(ENTRY x ENV)			
		17	.9	8	4	4	14	18	13	3	1.7	28	1.57		LSD .01	(ENTRY x ENV)			
		7	2.	2	273	80	5	5	3	2	159	7	7.		C. V. %	(ENTRY x ENV)			

T 5 = Mo17Ht x Oh43E

Table 102. Experiment C41 Clayton, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C41	1	140	14.9	100	0	0	103	113	241	66	-.1	166	8.77	8003	BB11 XT5	23X24 /87 161-2 /83
C41	2	109	15.6	97	2	1	83	124	241	67	.5	129	6.83	8004	BB11 XT5	25X26 /87 229-1 /83
C41	3	124	15.5	98	0	1	106	110	241	66	.1	145	7.80	8005	BB11 XT5	27X28 /87 229-2 /83
C41	4	114	15.7	95	4	1	98	120	249	69	-.2	131	7.19	8008	NC250A XT5	33X34 /87 2858-2 /85
C41	5	120	15.8	98	0	2	98	116	246	69	.4	139	7.52	8009	NC250A XT5	35X36 /87 2858-3 /85
C41	6	129	15.2	95	3	2	109	124	252	69	.0	147	8.09	8010	NC250A XT5	37X38 /87 2858-4 /85
C41	7	127	15.3	90	8	2	107	117	253	69	.3	141	7.97	8011	NC250A XT5	39X40 /87 2858-5 /85
C41	8	121	15.3	99	0	1	89	124	241	67	.1	145	7.62	8012	B73 MAYDIS S4 R 97% XT5	41X42 /87 7292-1 /85
C41	9	124	14.9	100	0	0	93	125	239	66	1.1	149	7.77	8013	B73 MAYDIS S4 R 97% XT5	43X44 /87 7293-1 /85
C41	10	128	15.5	99	0	1	94	118	242	67	.4	149	8.04	8014	B73 MAYDIS S4 R 97% XT5	45X46 /87 7294-1 /85
C41	11	133	15.4	99	0	1	98	117	237	65	.7	155	8.34	8016	B73 MAYDIS S4 R 97% XT5	49X50 /87 7298-1 /85
C41	12	124	14.5	98	0	2	94	114	238	65	1.3	150	7.77	8017	B73 MAYDIS S4 R 97% XT5	51X52 /87 7299-1 /85
C41	13	127	15.2	100	0	0	104	111	235	68	.1	151	7.99	8018	B73 MAYDIS S4 R 97% XT5	53X54 /87 7300-1 /85
C41	14	119	14.9	96	3	1	97	123	243	66	.4	141	7.45	8019	B73 MAYDIS S4 R 97% XT5	55X56 /87 7302-1 /85
C41	15	112	15.8	100	0	0	95	122	241	67	1.1	134	7.06	8020	B73 MAYDIS S4 R 97% XT5	57X58 /87 7305-1 /85
C41	16	126	15.2	99	0	1	98	116	234	66	1.0	150	7.92	8021	B73 MAYDIS S4 R 97% XT5	59X60 /87 7306-1 /85
C41	17	127	14.9	99	0	1	104	119	242	65	1.7	151	7.99	8022	B73 MAYDIS S4 R 97% XT5	61X62 /87 7307-1 /85
C41	18	126	15.0	94	5	1	100	118	243	67	.4	145	7.94	8023	B73 MAYDIS S4 R 97% XT5	63X64 /87 7310-1 /85
C41	19	118	15.6	96	2	2	103	121	243	67	.8	136	7.38	8024	B73 MAYDIS S4 R 97% XT5	65X66 /87 7311-1 /85
C41	20	128	15.0	100	0	0	101	117	247	66	.6	152	8.03	8025	B73 MAYDIS S4 R 97% XT5	67X68 /87 7312-1 /85
C41	21	113	15.8	98	2	0	87	117	240	67	.6	133	7.13	8026	B73 MAYDIS S4 R 97% XT5	69X70 /87 7313-1 /85
C41	22	125	14.8	98	1	1	95	125	241	68	.6	150	7.85	8027	B73 MAYDIS S5 5 94% XT5	71X72 /87 7351-1 /85
C41	23	117	14.6	100	0	0	90	114	240	67	.6	144	7.32	8028	B73 MAYDIS S5 5 94% XT5	73X74 /87 7352-1 /85
C41	24	118	14.8	99	2	0	103	120	239	67	-.1	142	7.41	8029	B73 MAYDIS S5 5 94% XT5	75X76 /87 7353-1 /85
C41	25	126	16.0	98	1	2	103	117	243	68	.0	144	7.94	8030	B73 MAYDIS S4 88% XT5	77X78 /87 3026-3 /83
C41	26	117	16.0	100	0	0	94	126	242	67	.4	137	7.37	8031	B73 MAYDIS S4 88% XT5	79X80 /87 3029-1 /83
C41	27	114	16.7	100	0	0	97	114	240	67	1.2	130	7.17	8032	B73 MAYDIS S4 88% XT5	81X82 /87 3044-2 /83
C41	28	125	16.1	100	0	0	93	127	245	68	.8	145	7.83	8033	B73 MAYDIS S4 88% XT5	83X84 /87 7137-1 /85
C41	29	118	16.2	100	0	0	103	121	250	68	1.0	137	7.41	8034	B73 MAYDIS S4 88% XT5	85X86 /87 7137-2 /85
C41	30	118	14.9	100	0	0	94	119	234	67	.6	143	7.42	8035	B73 MAYDIS S4 9 88% XT5	87X88 /87 7354-1 /85
C41	31	127	14.9	99	0	1	101	116	244	67	1.0	152	7.97	8036	B73 MAYDIS S4 9 88% XT5	89X90 /87 7354-2 /85
C41	32	134	15.3	100	0	0	109	110	243	65	1.7	158	8.40	8037	B73 MAYDIS S4 9 88% XT5	91X92 /87 7355-1 /85
C41	33	130	16.2	97	3	1	101	120	242	66	1.0	146	8.16	8040	B73 MAYDIS S5 88% XT5	97X98 /87 1946-2 /84
C41	34	128	15.9	99	1	0	102	120	246	68	.0	148	8.03	8041	B73 MAYDIS S5 88% XT5	99X 0 /87 1958-2 /84
C41	35	115	16.6	97	1	2	103	129	244	68	.7	129	7.23	8042	B73 MAYDIS S5 88% XT5	101X 2 /87 1959-1 /84
C41	36	117	15.6	99	0	1	95	113	238	66	.7	138	7.34	8043	B73 MAYDIS S5 9+ 88% XT5	103X 4 /87 7005-1 /85
C41	37	125	15.8	98	0	2	96	115	234	67	.0	145	7.86	8044	B73 MAYDIS S5 9+ 88% XT5	105X 6 /87 7005-2 /85
C41	38	130	15.1	100	0	0	103	119	243	65	.8	155	8.16	8045	B73 MAYDIS S5 9+ 88% XT5	107X 8 /87 7005-3 /85
C41	39	141	15.5	100	0	0	103	111	239	65	.7	163	8.83	8046	B73 MAYDIS S5 9+ 88% XT5	109X10 /87 7006-1 /85
C41	40	137	15.9	99	0	1	100	111	242	68	.0	156	8.59	8047	B73 MAYDIS S4 9+ 75% XT5	111X12 /87 3384-1 /82
C41	41	132	15.6	99	0	1	107	120	245	67	.7	153	8.28	8048	B73 MAYDIS S4 9 75% XT5	113X14 /87 3384-3 /82
C41	42	142	15.7	99	1	1	108	120	243	67	.7	162	8.91	8049	B73 MAYDIS S4 75% XT5	115X16 /87 3385-2 /82
C41	43	132	15.1	99	0	1	106	117	243	67	.6	155	8.26	8050	B73 MAYDIS S4 9 75% XT5	117X18 /87 3387-1 /82
C41	44	132	16.1	99	0	1	109	127	243	68	.5	150	8.30	8051	B73 MAYDIS S4 9 75% XT5	119X20 /87 3387-5 /82
C41	45	139	15.2	99	0	1	107	117	233	64	1.8	163	8.72	8052	B73 MAYDIS S4 9 75% XT5	121X22 /87 3397-2 /82
C41	46	132	15.0	99	0	2	102	132	245	67	.5	156	8.31	8053	B73 MAYDIS S4RT 9 75%XT5	123X24 /87 3446-1 /82
C41	47	137	15.7	99	0	1	108	121	249	68	.4	157	8.58	8054	B73 MAYDIS S5 75% XT5	125X26 /87 2064-2 /83
C41	48	118	16.3	99	0	1	100	129	246	68	.9	135	7.42	8055	B73 MAYDIS S6 75% XT5	127X28 /87 3263-1 /83
C41	49	129	14.9	100	0	0	100	120	243	68	.2	154	8.10	8056	B73 MAYDIS S6 9 75% XT5	129X30 /87 7370-1 /85
C41	50	106	14.6	99	1	0	88	114	240	67	.4	132	6.64	8057	B73 MAYDIS S6 TS9 75%XT5	131X32 /87 7372-1 /85
C41	51	134	16.3	100	0	0	101	117	243	67	.7	152	8.39	8058	B73 MAYDIS S7 4 75% XT5	133X34 /87 7029-1 /85
C41	52	130	15.6	98	0	2	95	118	239	68	.8	150	8.15	8059	B73 MAYDIS S7 4 75% XT5	135X36 /87 7029-2 /85
C41	53	122	15.8	99	0	1	93	120	241	67	.5	142	7.68	8061	B73 MAYDIS S7 4 75% XT5	139X40 /87 7029-4 /85
C41	54	126	14.9	97	0	3	95	122	243	68	.0	148	7.90	8062	B73 MAYDIS S7 4 75% XT5	141X42 /87 7029-5 /85
C41	55	121	15.7	100	0	0	90	119	242	67	.3	142	7.57	8063	B73 MAYDIS S7 4 75% XT5	143X44 /87 7031-1 /85
C41	56	112	15.6	99	0	1	93	125	240	68	.6	132	7.02	8064	B73 MAYDIS S7 4 75% XT5	145X46 /87 7031-3 /85
C41	57	131	15.5	98	1	1	105	128	247	68	.3	151	8.21	8066	B73 MAYDIS S6 50% XT5	149X50 /87 2057-2 /83
C41	58	113	15.1	92	1	7	98	129	244	68	.2	128	7.07	8067	B73 MAYDIS S7 50% XT5	151X52 /87 7140-1 /85
C41	59	131	15.5	97	0	3	108	133	249	68	.7	150	8.22	8068	B73 MAYDIS S7 50% XT5	153X54 /87 7141-1 /85
C41	60	130	15.4	98	1	2	108	129	252	68	.1	151	8.19	8070	B73 MAYDIS S7 50% XT5	157X58 /87 7142-2 /85
C41	61	131	15.3	96	1	3	96	128	248	67	.1	151	8.22	8071	B73 MAYDIS S7 50% XT5	159X60 /87 7142-3 /85

Table 102. Experiment C41 Clayton, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
C41	62	139	15.4	92	5	3	109	126	252	67	1.0	155	8.73	8072	B73 MAYDIS S7 50%	XT5	161X62 /87	7142-4 /85
C41	63	121	15.7	99	2	0	96	125	240	66	.6	140	7.57	8076	B73)2(2A12) S4 75%	XT5	169X70 /87	7158-1 /85
C41	64	118	15.2	95	2	3	95	120	237	67	.3	138	7.42	8077	B73(PA91)F2S5	XT5	171X72 /87	7423-1 /85
C41	65	124	15.0	99	0	1	103	111	237	65	.7	148	7.80	8078	B73(PA91)F2S5	XT5	173X74 /87	7433-1 /85
C41	66	105	15.1	97	1	2	83	108	237	67	.3	126	6.57	8079	B73(PA91)F2S5	XT5	175X76 /87	7434-1 /85
C41	67	126	15.5	96	3	1	107	116	238	65	.4	145	7.93	8080	B73(PA91)F2S5	XT5	177X78 /87	7435-1 /85
C41	68	131	15.4	100	0	0	103	112	239	66	.1	155	8.24	8081	B73(PA91)F2S5	XT5	179X80 /87	7436-1 /85
C41	69	134	15.3	98	1	1	104	116	239	67	.3	155	8.40	8082	B73(PA91)F2S5	XT5	181X82 /87	7437-1 /85
C41	70	142	14.7	99	0	1	103	126	246	66	.7	168	8.91	901	B73HT X MO17HT		REC. 1987	
C41	71	141	19.1	89	10	1	103	132	252	73	-2.3	134	8.84	902	PIONEER 3165		REC. 1987	
C41	72	139	16.4	99	0	2	102	129	247	71	-.3	155	8.71	909	DEKALB 689		REC. 1986	
		126	15.5	98	1	1	100	120	243	67	.5	146	7.89		EXPERIMENT MEANS			
		19	.7	5	3	3	10	13	9	1	1.3	21	1.18		LSD .05 (ENTRY x REP)			
		25	.9	7	4	4	13	17	12	2	1.7	27	1.57		LSD .01 (ENTRY x REP)			
		9	2.8	3	235	201	6	7	2	1	159	9	9.		C. V. % (ENTRY x REP)			
		104	100.	102	100	102	93	103	107	107	103	102	104.		R. E % (LATTICE)			

T 5 = Mo17Ht x Oh43E

Table 103. Experiment L41 Lewiston, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L41	1	116	18.1	100	0	0	89	85	223	0	.0	126	7.30	8003	BB11 XT5	23X24 /87 161-2 /83
L41	2	101	18.6	100	0	0	81	103	212	0	.0	110	6.37	8004	BB11 XT5	25X26 /87 229-1 /83
L41	3	111	18.7	99	0	1	94	93	219	0	.0	116	6.98	8005	BB11 XT5	27X28 /87 229-2 /83
L41	4	100	17.3	95	2	4	93	103	230	0	.0	109	6.26	8008	NC250A XT5	33X34 /87 2858-2 /85
L41	5	114	17.4	94	3	3	93	110	229	0	.0	121	7.13	8009	NC250A XT5	35X36 /87 2858-3 /85
L41	6	101	17.2	96	1	3	97	98	227	0	.0	109	6.32	8010	NC250A XT5	37X38 /87 2858-4 /85
L41	7	107	16.9	95	3	3	94	103	253	0	.0	119	6.74	8011	NC250A XT5	39X40 /87 2858-5 /85
L41	8	113	17.9	100	0	0	80	108	227	0	.0	123	7.09	8012	B73 MAYDIS S4 R 97% XT5	41X42 /87 7292-1 /85
L41	9	111	18.0	100	0	0	87	103	217	0	.0	121	6.97	8013	B73 MAYDIS S4 R 97% XT5	43X44 /87 7293-1 /85
L41	10	97	17.2	99	0	1	73	97	219	0	.0	110	6.08	8014	B73 MAYDIS S4 R 97% XT5	45X46 /87 7294-1 /85
L41	11	103	16.5	98	0	2	83	97	219	0	.0	118	6.46	8016	B73 MAYDIS S4 R 97% XT5	49X50 /87 7298-1 /85
L41	12	92	16.8	99	0	1	76	88	207	0	.0	108	5.79	8017	B73 MAYDIS S4 R 97% XT5	51X52 /87 7299-1 /85
L41	13	110	18.5	99	0	1	82	103	225	0	.0	117	6.89	8018	B73 MAYDIS S4 R 97% XT5	53X54 /87 7300-1 /85
L41	14	105	17.7	98	0	2	89	100	226	0	.0	114	6.62	8019	B73 MAYDIS S4 R 97% XT5	55X56 /87 7302-1 /85
L41	15	105	17.5	99	0	1	87	98	224	0	.0	117	6.63	8020	B73 MAYDIS S4 R 97% XT5	57X58 /87 7305-1 /85
L41	16	103	17.3	96	0	4	85	97	219	0	.0	113	6.48	8021	B73 MAYDIS S4 R 97% XT5	59X60 /87 7306-1 /85
L41	17	101	17.1	96	0	4	78	92	214	0	.0	111	6.33	8022	B73 MAYDIS S4 R 97% XT5	61X62 /87 7307-1 /85
L41	18	116	17.1	98	0	2	92	103	226	0	.0	129	7.28	8023	B73 MAYDIS S4 R 97% XT5	63X64 /87 7310-1 /85
L41	19	100	17.8	97	0	3	86	107	239	0	.0	108	6.25	8024	B73 MAYDIS S4 R 97% XT5	65X66 /87 7311-1 /85
L41	20	138	16.3	98	0	2	93	117	247	0	.0	152	8.64	8025	B73 MAYDIS S4 R 97% XT5	67X68 /87 7312-1 /85
L41	21	113	18.2	100	0	0	83	112	242	0	.0	123	7.08	8026	B73 MAYDIS S4 R 97% XT5	69X70 /87 7313-1 /85
L41	22	96	17.4	99	0	1	78	105	224	0	.0	107	6.02	8027	B73 MAYDIS S5 5 94% XT5	71X72 /87 7351-1 /85
L41	23	109	18.0	100	0	0	84	98	217	0	.0	119	6.82	8028	B73 MAYDIS S5 5 94% XT5	73X74 /87 7352-1 /85
L41	24	97	17.7	100	0	0	83	97	212	0	.0	109	6.09	8029	B73 MAYDIS S5 5 94% XT5	75X76 /87 7353-1 /85
L41	25	115	17.6	99	0	1	93	110	222	0	.0	127	7.20	8030	B73 MAYDIS S4 88% XT5	77X78 /87 3026-3 /83
L41	26	108	17.9	100	0	0	82	108	233	0	.0	118	6.79	8031	B73 MAYDIS S4 88% XT5	79X80 /87 3029-1 /83
L41	27	105	18.2	100	0	0	86	107	217	0	.0	113	6.60	8032	B73 MAYDIS S4 88% XT5	81X82 /87 3044-2 /83
L41	28	93	18.3	99	0	1	79	98	232	0	.0	99	5.85	8033	B73 MAYDIS S4 88% XT5	83X84 /87 7137-1 /85
L41	29	96	17.5	98	0	2	83	95	213	0	.0	105	6.01	8034	B73 MAYDIS S4 88% XT5	85X86 /87 7137-2 /85
L41	30	108	16.7	98	0	2	88	92	228	0	.0	122	6.78	8035	B73 MAYDIS S4 9 88% XT5	87X88 /87 7354-1 /85
L41	31	102	17.6	100	0	0	80	107	229	0	.0	114	6.43	8036	B73 MAYDIS S4 9 88% XT5	89X90 /87 7354-2 /85
L41	32	113	17.6	97	0	3	94	95	210	0	.0	123	7.09	8037	B73 MAYDIS S4 9 88% XT5	91X92 /87 7355-1 /85
L41	33	95	17.9	96	0	4	76	98	222	0	.0	101	5.94	8040	B73 MAYDIS S5 88% XT5	97X98 /87 1946-2 /84
L41	34	92	18.6	99	0	1	80	93	215	0	.0	98	5.77	8041	B73 MAYDIS S5 88% XT5	99X 0 /87 1958-2 /84
L41	35	109	18.7	97	0	3	88	93	204	0	.0	114	6.87	8042	B73 MAYDIS S5 88% XT5	101X 2 /87 1959-1 /84
L41	36	98	18.2	98	0	2	78	93	221	0	.0	103	6.14	8043	B73 MAYDIS S5 9+ 88% XT5	103X 4 /87 7005-1 /85
L41	37	93	17.4	100	0	0	78	93	210	0	.0	106	5.81	8044	B73 MAYDIS S5 9+ 88% XT5	105X 6 /87 7005-2 /85
L41	38	97	18.0	98	0	2	80	103	220	0	.0	105	6.10	8045	B73 MAYDIS S5 9+ 88% XT5	107X 8 /87 7005-3 /85
L41	39	111	17.9	99	0	1	82	97	216	0	.0	119	7.00	8046	B73 MAYDIS S5 9+ 88% XT5	109X10 /87 7006-1 /85
L41	40	105	18.4	99	0	1	83	103	229	0	.0	112	6.59	8047	B73 MAYDIS S4 9+ 75% XT5	111X12 /87 3384-1 /82
L41	41	140	17.3	97	0	3	97	112	229	0	.0	150	8.79	8048	B73 MAYDIS S4 9 75% XT5	113X14 /87 3384-3 /82
L41	42	122	16.2	99	0	1	87	93	223	0	.0	140	7.66	8049	B73 MAYDIS S4 75% XT5	115X16 /87 3385-2 /82
L41	43	119	18.2	99	0	1	100	107	228	0	.0	128	7.46	8050	B73 MAYDIS S4 9 75% XT5	117X18 /87 3387-1 /82
L41	44	114	18.1	99	0	1	100	105	218	0	.0	123	7.17	8051	B73 MAYDIS S4 9 75% XT5	119X20 /87 3387-5 /82
L41	45	112	17.5	100	0	0	100	95	222	0	.0	123	7.01	8052	B73 MAYDIS S4 9 75% XT5	121X22 /87 3397-2 /82
L41	46	103	17.7	99	0	1	97	108	238	0	.0	114	6.50	8053	B73 MAYDIS S4RT 9 75%XT5	123X24 /87 3446-1 /82
L41	47	101	17.2	96	2	2	90	108	234	0	.0	112	6.35	8054	B73 MAYDIS S5 75% XT5	125X26 /87 2064-2 /83
L41	48	113	19.8	99	0	1	86	112	225	0	.0	113	7.10	8055	B73 MAYDIS S6 75% XT5	127X28 /87 3263-1 /83
L41	49	111	17.2	99	0	1	86	100	216	0	.0	126	7.00	8056	B73 MAYDIS S6 9 75% XT5	129X30 /87 7370-1 /85
L41	50	98	17.8	99	0	1	75	98	222	0	.0	107	6.13	8057	B73 MAYDIS S6 TS9 75%XT5	131X32 /87 7372-1 /85
L41	51	91	17.6	98	0	2	93	102	217	0	.0	101	5.73	8058	B73 MAYDIS S7 4 75% XT5	133X34 /87 7029-1 /85
L41	52	87	17.7	99	0	1	79	100	220	0	.0	98	5.46	8059	B73 MAYDIS S7 4 75% XT5	135X36 /87 7029-2 /85
L41	53	79	17.3	97	0	3	80	100	215	0	.0	89	4.99	8061	B73 MAYDIS S7 4 75% XT5	139X40 /87 7029-4 /85
L41	54	114	18.0	99	0	1	91	107	231	0	.0	122	7.17	8062	B73 MAYDIS S7 4 75% XT5	141X42 /87 7029-5 /85
L41	55	98	18.8	98	1	1	82	102	226	0	.0	100	6.13	8063	B73 MAYDIS S7 4 75% XT5	143X44 /87 7031-1 /85
L41	56	108	18.4	97	0	3	83	98	226	0	.0	112	6.78	8064	B73 MAYDIS S7 4 75% XT5	145X46 /87 7031-3 /85
L41	57	116	18.6	98	0	2	101	120	244	0	.0	122	7.27	8066	B73 MAYDIS S6 50% XT5	149X50 /87 2057-2 /83
L41	58	136	17.2	98	2	0	91	108	246	0	.0	149	8.55	8067	B73 MAYDIS S7 50% XT5	151X52 /87 7140-1 /85
L41	59	112	17.4	99	0	1	82	100	244	0	.0	124	7.05	8068	B73 MAYDIS S7 50% XT5	153X54 /87 7141-1 /85
L41	60	112	16.6	94	0	6	97	105	230	0	.0	123	7.04	8070	B73 MAYDIS S7 50% XT5	157X58 /87 7142-2 /85
L41	61	129	16.9	99	0	1	77	110	256	0	.0	144	8.07	8071	B73 MAYDIS S7 50% XT5	159X60 /87 7142-3 /85

Table 103. Experiment L41 Lewiston, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L41	62	118	17.6	91	0	9	94	110	232	0	.0	120	7.39	8072	B73 MAYDIS S7 50% XT5	161X62 /87 7142-4 /85
L41	63	118	17.8	97	1	2	80	95	221	0	.0	126	7.43	8076	B73)2(2A12) S4 75% XT5	169X70 /87 7158-1 /85
L41	64	116	18.5	96	0	4	93	95	226	0	.0	120	7.26	8077	B73(PA91)F2S5 XT5	171X72 /87 7423-1 /85
L41	65	88	17.4	98	0	2	88	95	216	0	.0	97	5.50	8078	B73(PA91)F2S5 XT5	173X74 /87 7433-1 /85
L41	66	108	19.1	100	0	0	79	108	217	0	.0	113	6.81	8079	B73(PA91)F2S5 XT5	175X76 /87 7434-1 /85
L41	67	107	18.0	97	1	2	91	95	213	0	.0	116	6.71	8080	B73(PA91)F2S5 XT5	177X78 /87 7435-1 /85
L41	68	111	18.1	100	0	0	78	100	213	0	.0	121	7.00	8081	B73(PA91)F2S5 XT5	179X80 /87 7436-1 /85
L41	69	135	17.3	99	0	1	93	110	234	0	.0	148	8.50	8082	B73(PA91)F2S5 XT5	181X82 /87 7437-1 /85
L41	70	125	18.8	99	0	1	102	118	231	0	.0	130	7.85	901	B73HT X MO17HT	REC. 1987
L41	71	107	20.6	97	0	3	98	105	202	0	.0	104	6.74	902	PIONEER 3165	REC. 1987
L41	72	121	19.0	97	0	3	93	118	237	0	.0	125	7.57	909	DEKALB 689	REC. 1986
		108	17.8	98	0	2	87	102	225	0	.0	117	6.77		EXPERIMENT MEANS	
		29	1.6	4	2	4	12	21	29	0	.0	32	1.83		LSD .05 (ENTRY x REP)	
		38	2.1	6	2	5	16	27	38	0	.0	43	2.42		LSD .01 (ENTRY x REP)	
		17	5.4	3	471	158	9	13	8	0	0	17	17.		C. V. % (ENTRY x REP)	
		105	97.	99	100	97	100	98	114	0	0	102	105.		R. E % (LATTICE)	

T 5 = Mo17Ht x Oh43E

Table 104. Experiment P41 Plymouth, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
P41	1	128	18.5	98	0	2	103	123	256	0	.0	133	8.02	8003	BB11 XT5	23X24 /87 161-2 /83
P41	2	117	18.8	100	0	0	88	123	253	0	.0	123	7.38	8004	BB11 XT5	25X26 /87 229-1 /83
P41	3	136	18.4	99	0	1	100	128	253	0	.0	143	8.55	8005	BB11 XT5	27X28 /87 229-2 /83
P41	4	119	18.3	97	0	3	95	131	263	0	.0	125	7.49	8008	NC250A XT5	33X34 /87 2858-2 /85
P41	5	120	18.4	98	0	2	100	135	261	0	.0	126	7.54	8009	NC250A XT5	35X36 /87 2858-3 /85
P41	6	121	18.2	100	0	0	98	140	265	0	.0	131	7.62	8010	NC250A XT5	37X38 /87 2858-4 /85
P41	7	126	18.2	99	0	1	99	139	263	0	.0	134	7.93	8011	NC250A XT5	39X40 /87 2858-5 /85
P41	8	126	18.4	99	0	1	87	140	255	0	.0	134	7.94	8012	B73 MAYDIS S4 R 97% XT5	41X42 /87 7292-1 /85
P41	9	116	18.3	100	0	0	90	129	249	0	.0	124	7.25	8013	B73 MAYDIS S4 R 97% XT5	43X44 /87 7293-1 /85
P41	10	107	18.2	98	0	2	82	134	259	0	.0	114	6.70	8014	B73 MAYDIS S4 R 97% XT5	45X46 /87 7294-1 /85
P41	11	130	18.5	97	0	3	100	131	246	0	.0	135	8.18	8016	B73 MAYDIS S4 R 97% XT5	49X50 /87 7298-1 /85
P41	12	116	18.2	100	0	0	91	127	242	0	.0	125	7.27	8017	B73 MAYDIS S4 R 97% XT5	51X52 /87 7299-1 /85
P41	13	134	18.7	99	0	1	96	136	260	0	.0	140	8.41	8018	B73 MAYDIS S4 R 97% XT5	53X54 /87 7300-1 /85
P41	14	127	17.9	99	0	1	99	132	254	0	.0	137	7.97	8019	B73 MAYDIS S4 R 97% XT5	55X56 /87 7302-1 /85
P41	15	127	18.4	100	0	0	96	139	258	0	.0	135	7.99	8020	B73 MAYDIS S4 R 97% XT5	57X58 /87 7305-1 /85
P41	16	140	18.2	99	0	1	99	130	251	0	.0	148	8.80	8021	B73 MAYDIS S4 R 97% XT5	59X60 /87 7306-1 /85
P41	17	125	17.9	97	0	3	93	131	253	0	.0	133	7.87	8022	B73 MAYDIS S4 R 97% XT5	61X62 /87 7307-1 /85
P41	18	125	18.4	95	0	5	99	132	255	0	.0	127	7.82	8023	B73 MAYDIS S4 R 97% XT5	63X64 /87 7310-1 /85
P41	19	130	18.3	98	0	2	98	137	263	0	.0	137	8.16	8024	B73 MAYDIS S4 R 97% XT5	65X66 /87 7311-1 /85
P41	20	131	18.1	99	0	1	100	141	261	0	.0	139	8.20	8025	B73 MAYDIS S4 R 97% XT5	67X68 /87 7312-1 /85
P41	21	127	18.9	99	0	1	93	128	250	0	.0	132	7.99	8026	B73 MAYDIS S4 R 97% XT5	69X70 /87 7313-1 /85
P41	22	121	18.3	98	0	2	86	127	255	0	.0	128	7.61	8027	B73 MAYDIS S5 5 94% XT5	71X72 /87 7351-1 /85
P41	23	112	18.6	99	0	1	83	133	252	0	.0	118	7.04	8028	B73 MAYDIS S5 5 94% XT5	73X74 /87 7352-1 /85
P41	24	124	18.0	100	0	0	89	127	249	0	.0	134	7.77	8029	B73 MAYDIS S5 5 94% XT5	75X76 /87 7353-1 /85
P41	25	126	18.6	96	0	4	101	140	256	0	.0	129	7.93	8030	B73 MAYDIS S4 88% XT5	77X78 /87 3026-3 /83
P41	26	115	18.1	98	0	2	89	132	258	0	.0	122	7.20	8031	B73 MAYDIS S4 88% XT5	79X80 /87 3029-1 /83
P41	27	119	19.0	98	0	2	98	130	259	0	.0	122	7.50	8032	B73 MAYDIS S4 88% XT5	81X82 /87 3044-2 /83
P41	28	122	19.0	97	0	3	98	134	260	0	.0	125	7.69	8033	B73 MAYDIS S4 88% XT5	83X84 /87 7137-1 /85
P41	29	120	18.6	100	0	0	93	134	258	0	.0	128	7.55	8034	B73 MAYDIS S4 88% XT5	85X86 /87 7137-2 /85
P41	30	122	17.7	97	0	3	97	125	250	0	.0	130	7.65	8035	B73 MAYDIS S4 9 88% XT5	87X88 /87 7354-1 /85
P41	31	117	18.5	98	0	2	92	132	250	0	.0	123	7.37	8036	B73 MAYDIS S4 9 88% XT5	89X90 /87 7354-2 /85
P41	32	128	18.6	99	0	1	101	127	249	0	.0	135	8.04	8037	B73 MAYDIS S4 9 88% XT5	91X92 /87 7355-1 /85
P41	33	125	18.7	98	0	2	93	133	258	0	.0	130	7.86	8040	B73 MAYDIS S5 88% XT5	97X98 /87 1946-2 /84
P41	34	122	18.9	97	0	3	97	128	257	0	.0	124	7.65	8041	B73 MAYDIS S5 88% XT5	99X 0 /87 1958-2 /84
P41	35	125	19.0	99	0	1	103	133	255	0	.0	129	7.83	8042	B73 MAYDIS S5 88% XT5	101X 2 /87 1959-1 /84
P41	36	113	18.8	95	0	5	92	132	251	0	.0	114	7.08	8043	B73 MAYDIS S5 9+ 88% XT5	103X 4 /87 7005-1 /85
P41	37	111	18.6	97	0	3	89	129	250	0	.0	115	7.00	8044	B73 MAYDIS S5 9+ 88% XT5	105X 6 /87 7005-2 /85
P41	38	119	18.7	98	0	2	97	135	257	0	.0	124	7.46	8045	B73 MAYDIS S5 9+ 88% XT5	107X 8 /87 7005-3 /85
P41	39	118	18.8	98	0	2	99	136	252	0	.0	122	7.38	8046	B73 MAYDIS S5 9+ 88% XT5	109X10 /87 7006-1 /85
P41	40	131	18.6	96	0	4	99	127	249	0	.0	134	8.25	8047	B73 MAYDIS S4 9+ 75% XT5	111X12 /87 3384-1 /82
P41	41	139	19.0	100	0	0	104	131	261	0	.0	144	8.72	8048	B73 MAYDIS S4 9 75% XT5	113X14 /87 3384-3 /82
P41	42	153	18.2	99	0	1	104	135	255	0	.0	160	9.59	8049	B73 MAYDIS S4 75% XT5	115X16 /87 3385-2 /82
P41	43	135	18.5	99	0	1	103	129	253	0	.0	142	8.50	8050	B73 MAYDIS S4 9 75% XT5	117X18 /87 3387-1 /82
P41	44	134	18.8	98	0	2	104	126	256	0	.0	138	8.41	8051	B73 MAYDIS S4 9 75% XT5	119X20 /87 3387-5 /82
P41	45	128	18.3	98	0	2	102	129	252	0	.0	134	8.05	8052	B73 MAYDIS S4 9 75% XT5	121X22 /87 3397-2 /82
P41	46	134	18.3	99	0	1	101	140	262	0	.0	141	8.40	8053	B73 MAYDIS S4RT 9 75%XT5	123X24 /87 3446-1 /82
P41	47	141	18.7	95	0	5	108	129	261	0	.0	143	8.86	8054	B73 MAYDIS S5 75% XT5	125X26 /87 2064-2 /83
P41	48	125	19.2	99	0	1	98	128	256	0	.0	128	7.82	8055	B73 MAYDIS S6 75% XT5	127X28 /87 3263-1 /83
P41	49	129	18.7	99	0	1	96	133	253	0	.0	135	8.07	8056	B73 MAYDIS S6 9 75% XT5	129X30 /87 7370-1 /85
P41	50	124	17.9	99	0	1	99	134	258	0	.0	134	7.81	8057	B73 MAYDIS S6 TS9 75%XT5	131X32 /87 7372-1 /85
P41	51	125	18.3	98	0	2	95	138	254	0	.0	131	7.85	8058	B73 MAYDIS S7 4 75% XT5	133X34 /87 7029-1 /85
P41	52	127	18.4	99	0	1	95	127	255	0	.0	134	7.97	8059	B73 MAYDIS S7 4 75% XT5	135X36 /87 7029-2 /85
P41	53	125	17.9	99	0	1	90	129	255	0	.0	134	7.84	8061	B73 MAYDIS S7 4 75% XT5	139X40 /87 7029-4 /85
P41	54	129	18.2	98	0	2	98	127	255	0	.0	136	8.13	8062	B73 MAYDIS S7 4 75% XT5	141X42 /87 7029-5 /85
P41	55	130	18.4	100	0	0	98	131	252	0	.0	138	8.14	8063	B73 MAYDIS S7 4 75% XT5	143X44 /87 7031-1 /85
P41	56	120	18.7	98	0	2	94	126	251	0	.0	125	7.55	8064	B73 MAYDIS S7 4 75% XT5	145X46 /87 7031-3 /85
P41	57	139	18.2	97	0	3	103	130	255	0	.0	144	8.70	8066	B73 MAYDIS S6 50% XT5	149X50 /87 2057-2 /83
P41	58	149	18.3	98	0	2	102	128	259	0	.0	155	9.33	8067	B73 MAYDIS S7 50% XT5	151X52 /87 7140-1 /85
P41	59	144	18.4	95	0	5	102	135	261	0	.0	147	9.06	8068	B73 MAYDIS S7 50% XT5	153X54 /87 7141-1 /85
P41	60	135	18.0	96	0	4	102	133	259	0	.0	141	8.50	8070	B73 MAYDIS S7 50% XT5	157X58 /87 7142-2 /85
P41	61	125	18.6	98	0	2	94	133	260	0	.0	130	7.83	8071	B73 MAYDIS S7 50% XT5	159X60 /87 7142-3 /85

Table 104. Experiment P41 Plymouth, N.C. BB, NC250A, B73 Maydis, B73(Pa91), B73(2A12) Top Crosses, 1988
72 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
P41	62	149	18.1	96	0	4	101	146	260	0	.0	154	9.36	8072	B73 MAYDIS S7 50%	XT5	161X62 /87	7142-4 /85
P41	63	116	18.8	97	0	3	87	134	258	0	.0	119	7.28	8076	B73)2(2A12) S4 75%	XT5	169X70 /87	7158-1 /85
P41	64	127	18.7	98	0	2	98	130	257	0	.0	131	7.96	8077	B73(PA91)F2S5	XT5	171X72 /87	7423-1 /85
P41	65	122	18.8	95	0	5	96	125	256	0	.0	123	7.67	8078	B73(PA91)F2S5	XT5	173X74 /87	7433-1 /85
P41	66	115	18.6	100	0	0	86	128	253	0	.0	122	7.20	8079	B73(PA91)F2S5	XT5	175X76 /87	7434-1 /85
P41	67	136	18.3	100	0	0	97	125	252	0	.0	145	8.57	8080	B73(PA91)F2S5	XT5	177X78 /87	7435-1 /85
P41	68	135	18.5	100	0	0	95	130	250	0	.0	142	8.46	8081	B73(PA91)F2S5	XT5	179X80 /87	7436-1 /85
P41	69	142	18.8	98	0	2	104	130	255	0	.0	147	8.93	8082	B73(PA91)F2S5	XT5	181X82 /87	7437-1 /85
P41	70	147	18.8	98	0	2	104	139	259	0	.0	151	9.22	901	B73HT X MO17HT		REC. 1987	
P41	71	142	21.8	98	0	2	102	132	254	0	.0	132	8.92	902	PIONEER 3165		REC. 1987	
P41	72	135	19.4	92	0	8	102	135	255	0	.0	130	8.50	909	DEKALB 689		REC. 1986	
		127	18.5	98	0	2	97	132	255	0	.0	133	8.00		EXPERIMENT MEANS			
		15	.6	4	0	4	10	10	9	0	.0	16	.91		LSD .05 (ENTRY x REP)			
		19	.8	5	0	5	13	14	11	0	.0	21	1.21		LSD .01 (ENTRY x REP)			
		7	1.9	2	0	125	6	5	2	0	0	7	7.		C. V. % (ENTRY x REP)			
		103	103.	101	0	101	102	120	102	0	0	102	103.		R. E % (LATTICE)			

T 5 = Mo17Ht x Oh43E

Table 105. Experiment 42 Analysis over locations for GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD ER	HT(cm) PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
42	1	135	21.1	99	0	1	105	117 241	70	.7	129	8.49	8001	GC88(NC258) X B73HT		19X20 /87	5601-BK /85
42	2	100	20.4	99	0	1	99	109 231	71	1.0	96	6.28	8002	GC88(NC258) X MO17HT		21X22 /87	5601-BK /85
42	3	118	19.6	94	0	6	105	112 236	69	.0	115	7.42	8085	GC88(NC258)	XT3	187X88 /87	1647-BLK /86
42	4	106	18.4	98	0	2	101	105 232	67	.3	113	6.67	8086	GCT-2 12 S6 479-1/83	XT3	189X90 /87	813-1 /86
42	5	116	18.7	98	0	2	105	112 237	67	1.7	120	7.26	8087	GCT-2 12 S6 479-1/83	XT3	191X92 /87	6182-1 /86
42	6	118	18.9	97	2	2	104	113 238	68	1.0	121	7.45	8088	GCT-2 12 S6 479-1/83	XT3	193X94 /87	6182-2 /86
42	7	115	19.3	97	1	2	101	116 242	69	1.0	116	7.20	8089	GCT-2 12 S6 479-1/83	XT3	195X96 /87	6182-3 /86
42	8	110	19.9	90	1	10	107	121 228	70	-.7	100	6.92	8091	GCT105 S4EV 375-1/83	XT3	199X 0 /87	814-2 /86
42	9	115	17.5	98	0	2	104	108 233	66	2.0	125	7.20	8092	MM2217	XT3	201X 2 /87	817-1 /86
42	10	116	17.9	98	0	2	104	112 233	65	2.0	125	7.31	8093	MM2217	XT3	203X 4 /87	817-2 /86
42	11	116	17.7	97	0	3	105	111 232	65	.7	124	7.30	8094	MM2217	XT3	205X 6 /87	817-3 /86
42	12	115	18.0	98	0	2	106	105 229	66	1.3	123	7.22	8095	MM2217	XT3	207X 8 /87	818-1 /86
42	13	114	17.7	98	0	2	102	104 232	65	2.0	123	7.14	8096	MM2217	XT3	209X10 /87	818-2 /86
42	14	120	19.2	98	0	2	104	109 233	67	1.0	122	7.52	8097	TZ2 S4	XT3	211X12 /87	364-2 /83
42	15	121	17.9	94	0	6	104	107 233	67	1.3	126	7.63	8098	TZ70 S6	XT3	213X14 /87	509-2 /83
42	16	124	18.4	97	0	3	103	100 226	67	.3	130	7.78	8099	TZ70 S6	XT3	215X16 /87	509-BLK /83
42	17	122	18.6	97	0	3	106	97 227	64	.7	126	7.64	8100	TZ70 S6	XT3	217X18 /87	513-2 /83
42	18	122	18.7	99	0	1	103	105 233	66	.3	128	7.69	8101	TZ70 S6	XT3	219X20 /87	513-BLK /83
42	19	123	18.5	98	0	2	103	102 223	65	.7	127	7.70	8102	TZ70 S6 509-1/83	XT3	221X22 /87	829-1 /86
42	20	126	18.6	98	0	2	105	101 224	64	.7	132	7.94	8103	TZ70 S7 513-1/83	XT3	223X24 /87	6186-1 /86
42	21	123	18.8	99	0	1	104	105 225	66	1.3	128	7.71	8104	TZ70 S7 513-1/83	XT3	225X26 /87	6186-2 /86
42	22	118	18.3	96	0	4	98	107 229	66	.0	123	7.43	8105	TZ70 17-1/85	XT3	227X28 /87	7117-2 /85
42	23	127	19.0	98	0	2	102	105 225	66	.3	130	7.98	8106	TZ70	XT3	229X30 /87	7112-1 /85
42	24	121	18.8	99	0	1	104	98 218	64	.3	125	7.60	8107	TZ70	XT3	231X32 /87	7112-2 /85
42	25	119	18.9	99	0	1	103	102 226	65	.0	122	7.45	8108	TZ70	XT3	233X34 /87	7112-3 /85
42	26	121	18.7	97	0	3	103	108 227	65	1.3	124	7.57	8109	TZ70	XT3	235X36 /87	7112-4 /85
42	27	123	18.7	96	0	4	106	109 223	66	.7	126	7.72	8110	TZ70	XT3	237X38 /87	7112-5 /85
42	28	127	18.1	96	0	3	103	108 228	66	1.0	133	8.01	8111	TZ70	XT3	239X40 /87	7286-1 /85
42	29	119	18.4	98	0	2	101	104 226	66	.7	125	7.49	8112	TZ70	XT3	241X42 /87	7285-1 /85
42	30	114	18.4	95	1	4	99	103 225	67	.7	117	7.18	8113	TZ70	XT3	243X44 /87	7285-2 /85
42	31	124	18.4	97	0	3	102	107 232	66	1.7	130	7.80	8114	TZ70	XT3	245X46 /87	7286-2 /85
42	32	125	18.3	97	0	3	103	110 232	66	.0	130	7.85	8115	TZ70	XT3	247X48 /87	7287-1 /85
42	33	126	18.6	99	0	1	104	98 219	65	1.0	131	7.89	8116	TZ70	XT3	249X50 /87	7287-2 /85
42	34	120	18.4	98	0	2	100	96 221	67	.7	126	7.52	8117	TZ70	XT3	251X52 /87	7288-1 /85
42	35	125	18.7	97	0	3	103	110 233	66	1.0	129	7.87	8118	TZ70	XT3	253X54 /87	7288-2 /85
42	36	127	17.9	98	0	2	103	105 231	66	.3	135	7.98	8119	TZ70	XT3	255X56 /87	7289-1 /85
42	37	127	18.8	99	0	0	104	99 224	65	.3	132	7.98	8120	TZ70	XT3	257X58 /87	7290-1 /85
42	38	126	18.5	98	0	2	107	104 224	64	2.3	131	7.90	8121	TZ70 7111-1/85 EV/86	XT3	259X60 /87	6187-1 /86
42	39	125	18.5	98	0	2	104	102 219	65	1.0	131	7.87	8122	TZ70 7111-1/85 EV/86	XT3	261X62 /87	6187-2 /86
42	40	123	18.5	98	0	2	108	101 220	64	1.3	128	7.72	8124	TZ70 7111-1/85 EV/86	XT3	265X66 /87	6190-1 /86
42	41	129	18.3	97	0	3	105	104 223	66	1.0	134	8.08	8125	TZ70 7286-1/85	XT3	267X68 /87	6193-1 /86
42	42	130	18.2	97	1	2	106	107 230	67	.3	136	8.16	8126	TZ70 7286-1/85	XT3	269X70 /87	6194-1 /86
42	43	126	18.1	98	0	2	104	105 232	66	1.0	133	7.92	8127	TZ70 7286-1/85	XT3	271X72 /87	6194-2 /86
42	44	130	18.4	98	0	2	104	104 221	67	.7	136	8.16	8128	TZ70 7286-1/85	XT3	273X74 /87	6194-3 /86
42	45	119	18.2	98	0	3	102	110 232	66	1.7	126	7.49	8129	TZ70 7286-1/85	XT3	275X76 /87	6196-1 /86
42	46	120	18.1	96	0	4	103	104 227	67	.7	125	7.55	8130	TZ70 7286-1/85	XT3	277X78 /87	6196-2 /86
42	47	118	18.4	97	0	3	107	103 231	66	1.3	123	7.39	8131	MM2217MAYDIS S4R 94%	XT3	279X80 /87	7446-1 /85
42	48	115	17.9	98	0	2	106	110 224	66	.3	123	7.18	8132	MM2217(MO17) S4 94%	XT3	281X82 /87	2301-2 /83
42	49	107	18.3	99	0	1	107	104 223	64	.0	115	6.71	8133	MM2217(MO17) S4 94%	XT3	283X84 /87	2301-3 /83
42	50	112	17.9	98	0	2	104	110 227	65	.7	121	7.05	8134	MM2217(MO17) S4 94%	XT3	285X86 /87	2301-4 /83
42	51	108	17.9	98	0	2	108	105 223	65	1.0	116	6.76	8135	MM2217(MO17) S4 94%	XT3	287X88 /87	2301-5 /83
42	52	114	17.8	98	0	2	102	111 240	66	.0	123	7.16	8136	MM2217(MO17) S5 94%	XT3	289X90 /87	530-2 /83
42	53	111	17.4	99	0	1	104	110 238	65	.3	122	6.95	8137	MM2217(MO17) S5 94%	XT3	291X92 /87	530-3 /83
42	54	114	17.9	98	0	2	105	105 234	66	.0	122	7.16	8138	MM2217(MO17) S5 94%	XT3	293X94 /87	530-4 /83
42	55	119	18.1	98	0	1	103	109 231	66	.3	127	7.45	8139	MM2217(MO17) S5 94%	XT3	295X96 /87	536-2 /83
42	56	116	18.3	97	0	3	101	105 234	65	.3	122	7.30	8140	MM2217(MO17) S5 94%	XT3	297X98 /87	536-3 /83
42	57	111	18.2	99	0	2	104	115 242	67	.7	118	6.94	8141	MM2217(MO17) S5 94%	XT3	299X 0 /87	544-2 /83
42	58	101	18.5	97	0	3	102	115 234	67	.3	106	6.37	8142	MM2217(MO17) S5 94%	XT3	301X 2 /87	544-3 /83
42	59	103	17.9	99	0	2	96	111 238	67	1.3	113	6.51	8143	MM2217(MO17) S6 94%	XT3	303X 4 /87	1001-1 /86
42	60	103	17.9	99	0	1	94	108 236	68	1.0	113	6.48	8144	MM2217(MO17) S6 94%	XT3	305X 6 /87	1001-2 /86

Table 105. Experiment 42 Analysis over locations for GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
42	61	107	17.9	98	0	2	104	109	236	66	1.3	115	6.70	8145	MM2217(MO17) S6 94% XT3	307X 8 /87 1001-3 /86
42	62	109	17.6	99	0	1	102	108	234	67	.7	120	6.86	8146	MM2217(MO17) S6 94% XT3	309X10 /87 1001-4 /86
42	63	113	17.9	99	0	1	102	110	239	66	.7	123	7.11	8147	MM2217(MO17) S6 94% XT3	311X12 /87 1002-1 /86
42	64	119	18.0	99	0	1	101	108	232	66	.3	129	7.49	8148	MM2217(MO17) S6 94% XT3	313X14 /87 1002-2 /86
42	65	118	17.9	98	0	2	106	108	235	66	.0	127	7.40	8149	MM2217(MO17) S6 94% XT3	315X16 /87 1002-3 /86
42	66	123	17.9	99	0	0	107	111	240	67	1.0	133	7.73	8150	MM2217(MO17) S6 94% XT3	317X18 /87 1002-4 /86
42	67	121	17.7	99	0	1	104	108	241	66	.3	132	7.59	8151	MM2217(MO17) S6 94% XT3	319X20 /87 1002-5 /86
42	68	118	17.8	98	0	2	105	103	230	67	.3	127	7.45	8152	MM2217(MO17) S6 94% XT3	321X22 /87 1002-6 /86
42	69	117	17.8	100	0	0	107	110	235	67	1.0	128	7.37	8153	MM2217(MO17) S6 94% XT3	323X24 /87 1002-7 /86
42	70	115	18.2	99	0	1	104	105	229	67	.7	122	7.19	8154	MM2217(MO17) S6 94% XT3	325X26 /87 1003-1 /86
42	71	121	18.0	98	0	2	105	110	238	66	.0	130	7.62	8155	MM2217(MO17) S6 94% XT3	327X28 /87 1003-2 /86
42	72	114	18.7	98	0	2	105	107	230	66	.7	119	7.19	8156	MM2217(MO17) S6 94% XT3	329X30 /87 1004-1 /86
42	73	110	18.6	99	0	1	103	103	222	67	.3	115	6.89	8157	MM2217(MO17) S6 94% XT3	331X32 /87 1004-2 /86
42	74	107	18.0	96	0	4	103	100	216	65	1.7	114	6.72	8158	MM2217(M17RG)S6 94% XT3	333X34 /87 7440-1 /85
42	75	118	17.8	97	0	3	106	110	232	66	1.3	126	7.41	8159	MM2217(M17RG)S6 94% XT3	335X36 /87 4105-1 /86
42	76	114	18.1	99	0	1	106	98	221	66	2.3	122	7.19	8160	MM2217(M17RG)S6 94% XT3	337X38 /87 4105-2 /86
42	77	116	17.9	97	0	2	104	103	224	66	1.0	123	7.27	8161	MM2217(M17RG)S7 94% XT3	339X40 /87 960-1 /86
42	78	109	18.1	99	0	1	105	103	223	66	.3	118	6.82	8162	MM2217(M17RG)S7 94% XT3	341X42 /87 961-1 /86
42	79	111	17.8	98	0	2	104	108	227	65	.7	120	6.95	8163	MM2217(M17RG)S7 94% XT3	343X44 /87 961-2 /86
42	80	114	17.9	98	0	2	105	100	211	65	.7	121	7.13	8164	MM2217(M17RG)S7 94% XT3	345X46 /87 962-1 /86
42	81	113	18.0	98	0	2	103	101	220	66	1.7	121	7.13	8166	MM2217(M17RG)S7 94% XT3	349X50 /87 962-3 /86
42	82	114	17.9	99	0	1	104	101	225	66	1.0	124	7.13	8167	MM2217(M17RG)S7 94% XT3	351X52 /87 962-4 /86
42	83	119	18.0	97	0	3	103	105	228	66	1.3	126	7.45	8168	MM2217 MAY S4 R 88% XT3	353X54 /87 7460-1 /85
42	84	113	17.9	96	0	4	104	96	204	64	1.3	120	7.12	8169	OH43E(MO17)S4 GLS 88%XT3	355X56 /87 2776-1 /86
42	85	111	17.6	98	0	2	101	98	208	66	.3	121	6.97	8170	OH43E(MO17)S4 GLS 88%XT3	357X58 /87 2778-1 /86
42	86	109	17.5	98	0	2	101	99	209	66	-.3	120	6.83	8171	OH43E(MO17)S4 GLS 88%XT3	359X60 /87 2778-2 /86
42	87	111	17.3	99	0	1	99	95	205	64	1.0	123	6.95	8172	OH43E(MO17)S4 GLS 88%XT3	361X62 /87 2778-3 /86
42	88	118	17.4	98	0	2	106	97	219	66	.0	129	7.41	8173	OH43E(MO17)S4 GLS 88%XT3	363X64 /87 2778-4 /86
42	89	114	17.8	99	0	1	105	93	205	65	.7	124	7.18	8174	OH43E(MO17)S4 GLS 88%XT3	365X66 /87 6278-1 /86
42	90	115	17.8	96	0	4	105	97	217	66	.0	122	7.25	8175	OH43E(MO17)S4 GLS 88%XT3	367X68 /87 6278-2 /86
42	91	116	17.6	96	0	4	102	96	213	67	1.0	125	7.30	8176	OH43E(MO17)S3 GLS 88%XT3	369X70 /87 7478-1 /85
42	92	117	18.0	98	0	2	99	106	232	67	1.3	125	7.34	8180	(MM2217 X TZ56)F2S5 XT3	377X78 /87 7535-1 /85
42	93	126	18.0	99	0	1	102	117	250	69	.3	135	7.93	8181	(MM2217 X TZ56)F2S5 XT3	379X80 /87 7535-2 /85
42	94	126	18.1	98	1	2	103	116	240	68	1.3	134	7.90	8182	(MM2217 X TZ56)F2S5 XT3	381X82 /87 7536-1 /85
42	95	120	18.7	98	0	2	103	110	244	69	.0	124	7.53	8183	(MM2217 X TZ56)F2S5 XT3	383X84 /87 7537-1 /85
42	96	115	17.4	96	1	2	100	109	226	68	.3	124	7.23	8083	TUX(632.14)F5S5 50% XT5	183X84 /87 7548-1 /85
42	97	137	17.8	98	0	2	104	115	236	67	2.0	147	8.63	901	B73HT X MO17HT	REC. 1987
42	98	136	18.6	98	0	2	104	124	244	71	.0	141	8.53	909	DEKALB 689	REC. 1986
42	99	139	20.3	97	1	1	105	121	242	73	-.3	135	8.76	902	PIONEER 3165	REC. 1987
42	100	107	18.4	98	0	2	94	109	230	68	.7	113	6.73	917	FUNKS G4522	REC. 1986
		118	18.3	98	0	2	103	106	229	66	.8	124	7.40		EXPERIMENT MEANS	
		12	.8	3	0	2	7	15	11	3	1.3	17	.93		LSD .05 (ENTRY x ENV)	
		16	1.0	4	0	3	9	19	14	3	1.7	22	1.23		LSD .01 (ENTRY x ENV)	
		7	2.	2	470	73	4	5	4	2	103	7	6.		C. V. % (ENTRY x ENV)	

T 3 = A632Ht x B73Ht
T 5 = Mo17Ht x Oh43E

Table 106. Experiment C42 Clayton, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE
C42	1	145	19.8	100	0	0	107	132	251	70	.7	147	9.11	8001	GC88(NC258) X B73HT		19X20 /87 5601-BK /85
C42	2	109	18.8	100	0	0	108	121	245	71	1.0	115	6.88	8002	GC88(NC258) X MO17HT		21X22 /87 5601-BK /85
C42	3	129	18.8	99	0	1	108	126	247	69	.0	134	8.12	8085	GC88(NC258)	XT3	187X88 /87 1647-BLK /86
C42	4	113	17.1	99	0	1	108	113	244	67	.3	127	7.09	8086	GCT-2 12 S6 479-1/83	XT3	189X90 /87 813-1 /86
C42	5	118	17.7	100	0	0	110	119	239	67	1.7	129	7.40	8087	GCT-2 12 S6 479-1/83	XT3	191X92 /87 6182-1 /86
C42	6	117	17.7	98	0	2	106	118	240	68	1.0	127	7.37	8088	GCT-2 12 S6 479-1/83	XT3	193X94 /87 6182-2 /86
C42	7	106	18.3	98	0	2	107	123	246	69	1.0	113	6.63	8089	GCT-2 12 S6 479-1/83	XT3	195X96 /87 6182-3 /86
C42	8	126	19.5	97	0	3	113	130	234	70	-.7	125	7.91	8091	GCT105 S4EV 375-1/83	XT3	199X 0 /87 814-2 /86
C42	9	126	16.0	99	0	1	106	121	247	66	2.0	145	7.91	8092	MM2217	XT3	201X 2 /87 817-1 /86
C42	10	118	17.0	99	0	1	107	124	239	65	2.0	133	7.44	8093	MM2217	XT3	203X 4 /87 817-2 /86
C42	11	128	16.4	99	0	1	109	125	243	65	.7	145	8.02	8094	MM2217	XT3	205X 6 /87 817-3 /86
C42	12	127	16.9	100	0	0	108	119	242	66	1.3	143	7.98	8095	MM2217	XT3	207X 8 /87 818-1 /86
C42	13	132	16.4	99	0	1	109	113	245	65	2.0	149	8.26	8096	MM2217	XT3	209X10 /87 818-2 /86
C42	14	112	18.4	99	0	1	107	121	243	67	1.0	120	7.06	8097	TZ2 S4	XT3	211X12 /87 364-2 /83
C42	15	133	17.0	99	0	1	109	120	244	67	1.3	147	8.36	8098	TZ70 S6	XT3	213X14 /87 509-2 /83
C42	16	129	17.3	100	0	0	109	107	244	67	.3	142	8.10	8099	TZ70 S6	XT3	215X16 /87 509-BLK /83
C42	17	135	17.7	98	0	2	111	104	238	64	.7	145	8.50	8100	TZ70 S6	XT3	217X18 /87 513-2 /83
C42	18	120	18.0	100	0	0	106	114	247	66	.3	130	7.56	8101	TZ70 S6	XT3	219X20 /87 513-BLK /83
C42	19	132	17.5	98	0	2	109	117	242	65	.7	142	8.26	8102	TZ70 S6 509-1/83	XT3	221X22 /87 829-1 /86
C42	20	131	17.5	99	0	1	109	106	228	64	.7	144	8.25	8103	TZ70 S7 513-1/83	XT3	223X24 /87 6186-1 /86
C42	21	134	17.9	100	0	0	108	113	237	66	1.3	145	8.42	8104	TZ70 S7 513-1/83	XT3	225X26 /87 6186-2 /86
C42	22	122	17.2	99	0	1	103	114	240	66	.0	135	7.69	8105	TZ70 17-1/85	XT3	227X28 /87 7117-2 /85
C42	23	139	18.1	99	0	1	106	112	240	66	.3	148	8.74	8106	TZ70	XT3	229X30 /87 7112-1 /85
C42	24	131	17.7	100	0	0	114	111	235	64	.3	142	8.23	8107	TZ70	XT3	231X32 /87 7112-2 /85
C42	25	130	18.0	100	0	0	107	109	238	65	.0	140	8.16	8108	TZ70	XT3	233X34 /87 7112-3 /85
C42	26	131	17.6	99	0	1	107	119	241	65	1.3	142	8.25	8109	TZ70	XT3	235X36 /87 7112-4 /85
C42	27	133	17.7	98	0	2	111	124	239	66	.7	144	8.38	8110	TZ70	XT3	237X38 /87 7112-5 /85
C42	28	127	17.3	98	0	2	110	119	245	66	1.0	139	7.99	8111	TZ70	XT3	239X40 /87 7286-1 /85
C42	29	135	17.6	99	0	1	110	110	241	66	.7	147	8.50	8112	TZ70	XT3	241X42 /87 7285-1 /85
C42	30	124	17.6	97	0	3	101	105	230	67	.7	132	7.77	8113	TZ70	XT3	243X44 /87 7285-2 /85
C42	31	131	17.1	100	0	0	108	118	244	66	1.7	146	8.24	8114	TZ70	XT3	245X46 /87 7286-2 /85
C42	32	133	17.2	100	0	0	110	112	237	66	.0	147	8.37	8115	TZ70	XT3	247X48 /87 7287-1 /85
C42	33	138	17.4	99	0	1	108	102	230	65	1.0	150	8.66	8116	TZ70	XT3	249X50 /87 7287-2 /85
C42	34	125	17.2	100	0	0	103	105	238	67	.7	138	7.86	8117	TZ70	XT3	251X52 /87 7288-1 /85
C42	35	130	17.5	99	0	1	106	127	244	66	1.0	141	8.18	8118	TZ70	XT3	253X54 /87 7288-2 /85
C42	36	134	16.9	100	0	0	110	115	242	66	.3	150	8.42	8119	TZ70	XT3	255X56 /87 7289-1 /85
C42	37	139	17.9	100	0	0	118	108	235	65	.3	149	8.73	8120	TZ70	XT3	257X58 /87 7290-1 /85
C42	38	127	17.3	99	0	1	110	111	235	64	2.3	140	7.99	8121	TZ70 7111-1/85 EV/86	XT3	259X60 /87 6187-1 /86
C42	39	124	17.4	100	0	0	106	114	233	65	1.0	137	7.78	8122	TZ70 7111-1/85 EV/86	XT3	261X62 /87 6187-2 /86
C42	40	124	17.7	100	0	0	111	108	238	64	1.3	135	7.76	8124	TZ70 7111-1/85 EV/86	XT3	265X66 /87 6190-1 /86
C42	41	137	17.6	99	0	1	109	111	234	66	1.0	148	8.59	8125	TZ70 7286-1/85	XT3	267X68 /87 6193-1 /86
C42	42	135	17.1	100	0	0	108	112	242	67	.3	149	8.45	8126	TZ70 7286-1/85	XT3	269X70 /87 6194-1 /86
C42	43	131	16.8	99	0	1	105	115	241	66	1.0	147	8.25	8127	TZ70 7286-1/85	XT3	271X72 /87 6194-2 /86
C42	44	130	17.5	98	0	2	104	122	241	67	.7	141	8.17	8128	TZ70 7286-1/85	XT3	273X74 /87 6194-3 /86
C42	45	127	16.9	97	0	3	108	122	241	66	1.7	140	7.99	8129	TZ70 7286-1/85	XT3	275X76 /87 6196-1 /86
C42	46	123	17.2	97	0	3	108	115	240	67	.7	133	7.70	8130	TZ70 7286-1/85	XT3	277X78 /87 6196-2 /86
C42	47	130	17.1	99	0	1	110	110	242	66	1.3	144	8.16	8131	MM2217MAYDIS S4R 94%	XT3	279X80 /87 7446-1 /85
C42	48	131	16.7	99	0	1	108	125	246	66	.3	147	8.21	8132	MM2217(MO17) S4 94%	XT3	281X82 /87 2301-2 /83
C42	49	115	17.3	99	0	1	112	119	247	64	.0	128	7.25	8133	MM2217(MO17) S4 94%	XT3	283X84 /87 2301-3 /83
C42	50	123	16.5	100	0	0	109	116	240	65	.7	142	7.75	8134	MM2217(MO17) S4 94%	XT3	285X86 /87 2301-4 /83
C42	51	121	16.7	100	0	0	111	116	237	65	1.0	138	7.62	8135	MM2217(MO17) S4 94%	XT3	287X88 /87 2301-5 /83
C42	52	122	16.8	100	0	0	108	119	243	66	.0	137	7.66	8136	MM2217(MO17) S5 94%	XT3	289X90 /87 530-2 /83
C42	53	124	16.2	99	0	1	107	120	247	65	.3	141	7.78	8137	MM2217(MO17) S5 94%	XT3	291X92 /87 530-3 /83
C42	54	123	16.9	100	0	0	108	116	246	66	.0	138	7.74	8138	MM2217(MO17) S5 94%	XT3	293X94 /87 530-4 /83
C42	55	125	16.9	100	0	0	103	109	243	66	.3	140	7.82	8139	MM2217(MO17) S5 94%	XT3	295X96 /87 536-2 /83
C42	56	130	17.4	100	0	0	108	123	247	65	.3	143	8.15	8140	MM2217(MO17) S5 94%	XT3	297X98 /87 536-3 /83
C42	57	124	17.1	100	0	0	108	121	248	67	.7	138	7.76	8141	MM2217(MO17) S5 94%	XT3	299X 0 /87 544-2 /83
C42	58	116	17.5	99	0	1	108	127	248	67	.3	128	7.28	8142	MM2217(MO17) S5 94%	XT3	301X 2 /87 544-3 /83
C42	59	109	16.6	100	0	0	100	117	244	67	1.3	126	6.87	8143	MM2217(MO17) S6 94%	XT3	303X 4 /87 1001-1 /86
C42	60	103	16.6	100	0	0	97	111	244	68	1.0	120	6.44	8144	MM2217(MO17) S6 94%	XT3	305X 6 /87 1001-2 /86
C42	61	115	16.6	100	0	0	106	112	245	66	1.3	132	7.23	8145	MM2217(MO17) S6 94%	XT3	307X 8 /87 1001-3 /86

Table 106. Experiment C42 Clayton, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
C42	62	113	16.2	99	0	1	103	113	242	67	.7	131	7.08	8146	MM2217(MO17) S6 94% XT3	309X10 /87 1001-4 /86
C42	63	124	16.6	99	0	1	105	114	245	66	.7	140	7.80	8147	MM2217(MO17) S6 94% XT3	311X12 /87 1002-1 /86
C42	64	126	16.8	100	0	0	105	114	246	66	.3	143	7.94	8148	MM2217(MO17) S6 94% XT3	313X14 /87 1002-2 /86
C42	65	129	16.9	98	0	2	109	120	246	66	.0	143	8.13	8149	MM2217(MO17) S6 94% XT3	315X16 /87 1002-3 /86
C42	66	130	16.8	100	0	0	112	127	250	67	1.0	145	8.17	8150	MM2217(MO17) S6 94% XT3	317X18 /87 1002-4 /86
C42	67	127	16.6	100	0	0	108	114	243	66	.3	143	7.95	8151	MM2217(MO17) S6 94% XT3	319X20 /87 1002-5 /86
C42	68	126	17.0	98	0	2	108	118	251	67	.3	139	7.93	8152	MM2217(MO17) S6 94% XT3	321X22 /87 1002-6 /86
C42	69	116	16.9	100	0	0	107	113	248	67	1.0	132	7.32	8153	MM2217(MO17) S6 94% XT3	323X24 /87 1002-7 /86
C42	70	120	17.4	99	0	1	105	114	243	67	.7	132	7.52	8154	MM2217(MO17) S6 94% XT3	325X26 /87 1003-1 /86
C42	71	126	17.1	99	0	1	108	124	249	66	.0	140	7.92	8155	MM2217(MO17) S6 94% XT3	327X28 /87 1003-2 /86
C42	72	127	17.8	99	0	1	107	120	243	66	.7	137	7.98	8156	MM2217(MO17) S6 94% XT3	329X30 /87 1004-1 /86
C42	73	113	17.9	100	0	0	105	118	239	67	.3	124	7.10	8157	MM2217(MO17) S6 94% XT3	331X32 /87 1004-2 /86
C42	74	119	16.7	98	0	2	108	114	239	65	1.7	134	7.48	8158	MM2217(M17RG)S6 94% XT3	333X34 /87 7440-1 /85
C42	75	133	16.8	100	0	0	108	114	241	66	1.3	149	8.35	8159	MM2217(M17RG)S6 94% XT3	335X36 /87 4105-1 /86
C42	76	125	17.1	99	0	1	108	111	241	66	2.3	139	7.88	8160	MM2217(M17RG)S6 94% XT3	337X38 /87 4105-2 /86
C42	77	125	16.8	100	0	0	106	115	239	66	1.0	141	7.87	8161	MM2217(M17RG)S7 94% XT3	339X40 /87 960-1 /86
C42	78	113	16.7	100	0	0	108	114	240	66	.3	130	7.07	8162	MM2217(M17RG)S7 94% XT3	341X42 /87 961-1 /86
C42	79	120	16.6	99	0	1	108	119	240	65	.7	136	7.51	8163	MM2217(M17RG)S7 94% XT3	343X44 /87 961-2 /86
C42	80	126	16.5	99	0	1	105	113	233	65	.7	143	7.90	8164	MM2217(M17RG)S7 94% XT3	345X46 /87 962-1 /86
C42	81	117	16.7	100	0	0	108	119	241	66	1.7	134	7.38	8166	MM2217(M17RG)S7 94% XT3	349X50 /87 962-3 /86
C42	82	123	16.6	100	0	0	110	114	242	66	1.0	141	7.71	8167	MM2217(M17RG)S7 94% XT3	351X52 /87 962-4 /86
C42	83	133	16.9	99	0	1	109	121	244	66	1.3	148	8.34	8168	MM2217 MAY S4 R 88% XT3	353X54 /87 7460-1 /85
C42	84	125	17.0	96	0	4	105	109	232	64	1.3	136	7.84	8169	OH43E(MO17)S4 GLS 88%XT3	355X56 /87 2776-1 /86
C42	85	121	16.3	99	0	1	104	110	236	66	.3	139	7.62	8170	OH43E(MO17)S4 GLS 88%XT3	357X58 /87 2778-1 /86
C42	86	128	16.1	99	0	1	108	112	232	66	-.3	148	8.06	8171	OH43E(MO17)S4 GLS 88%XT3	359X60 /87 2778-2 /86
C42	87	118	15.9	99	0	1	106	109	231	64	1.0	137	7.41	8172	OH43E(MO17)S4 GLS 88%XT3	361X62 /87 2778-3 /86
C42	88	130	16.0	99	0	1	110	109	234	66	.0	149	8.14	8173	OH43E(MO17)S4 GLS 88%XT3	363X64 /87 2778-4 /86
C42	89	127	16.9	100	0	0	110	99	228	65	.7	142	7.98	8174	OH43E(MO17)S4 GLS 88%XT3	365X66 /87 6278-1 /86
C42	90	130	17.3	98	0	2	105	101	234	66	.0	142	8.17	8175	OH43E(MO17)S4 GLS 88%XT3	367X68 /87 6278-2 /86
C42	91	119	16.4	98	0	2	107	110	230	67	1.0	136	7.50	8176	OH43E(MO17)S3 GLS 88%XT3	369X70 /87 7478-1 /85
C42	92	136	17.1	99	0	1	104	117	247	67	1.3	149	8.57	8180	(MM2217 X TZ56)F2S5 XT3	377X78 /87 7535-1 /85
C42	93	123	17.2	100	0	0	101	129	251	69	.3	137	7.74	8181	(MM2217 X TZ56)F2S5 XT3	379X80 /87 7535-2 /85
C42	94	134	17.3	97	0	3	108	122	246	68	1.3	144	8.39	8182	(MM2217 X TZ56)F2S5 XT3	381X82 /87 7536-1 /85
C42	95	132	17.8	100	0	0	108	119	250	69	.0	142	8.26	8183	(MM2217 X TZ56)F2S5 XT3	383X84 /87 7537-1 /85
C42	96	128	15.4	100	0	0	105	122	242	68	.3	151	8.02	8083	TUX(632.14)F5S5 50% XT5	183X84 /87 7548-1 /85
C42	97	143	16.5	100	0	0	107	127	247	67	2.0	161	9.00	901	B73HT X MO17HT	REC. 1987
C42	98	141	17.6	100	0	0	104	131	238	71	.0	153	8.85	909	DEKALB 689	REC. 1986
C42	99	149	19.9	98	0	2	112	130	248	73	-.3	148	9.38	902	PIONEER 3165	REC. 1987
C42	100	125	16.7	98	0	2	102	118	245	68	.7	139	7.84	917	FUNKS G4522	REC. 1986
		126	17.2	99	0	1	107	116	241	66	.8	139	7.92		EXPERIMENT MEANS	
		15	.8	2	0	2	6	14	10	2	1.3	16	.93		LSD .05 (ENTRY x REP)	
		20	1.0	3	0	3	8	18	13	2	1.7	21	1.23		LSD .01 (ENTRY x REP)	
		7	2.7	2	0	203	3	7	2	1	103	7	7.		C. V. % (ENTRY x REP)	
		123	100.	103	0	103	100	102	110	113	100	119	123.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht

Table 107. Experiment L42 Lewiston, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE		SOURCE
L42	1	111	22.3	99	0	1	103	98	216	0	.0	98	6.97	8001	GC88(NC258) X B73HT		19X20 /87 5601-BK /85
L42	2	85	22.0	100	0	0	89	88	203	0	.0	74	5.34	8002	GC88(NC258) X MO17HT		21X22 /87 5601-BK /85
L42	3	100	20.2	92	0	9	104	93	215	0	.0	91	6.28	8085	GC88(NC258)	XT3	187X88 /87 1647-BLK /86
L42	4	88	18.8	97	0	3	88	88	208	0	.0	91	5.51	8086	GCT-2 12 S6 479-1/83	XT3	189X90 /87 813-1 /86
L42	5	107	19.4	97	0	3	99	102	230	0	.0	108	6.74	8087	GCT-2 12 S6 479-1/83	XT3	191X92 /87 6182-1 /86
L42	6	111	20.0	93	6	2	99	100	220	0	.0	104	6.98	8088	GCT-2 12 S6 479-1/83	XT3	193X94 /87 6182-2 /86
L42	7	100	19.9	95	3	2	89	97	210	0	.0	96	6.30	8089	GCT-2 12 S6 479-1/83	XT3	195X96 /87 6182-3 /86
L42	8	91	20.2	81	2	18	100	102	196	0	.0	70	5.72	8091	GCT105 S4EV 375-1/83	XT3	199X 0 /87 814-2 /86
L42	9	100	18.0	97	0	3	98	90	203	0	.0	108	6.28	8092	MM2217	XT3	201X 2 /87 817-1 /86
L42	10	109	18.1	98	0	2	102	97	213	0	.0	117	6.84	8093	MM2217	XT3	203X 4 /87 817-2 /86
L42	11	102	18.4	97	0	2	101	88	197	0	.0	107	6.41	8094	MM2217	XT3	205X 6 /87 817-3 /86
L42	12	100	18.2	95	0	5	103	83	203	0	.0	104	6.28	8095	MM2217	XT3	207X 8 /87 818-1 /86
L42	13	98	18.1	98	0	2	91	82	206	0	.0	106	6.16	8096	MM2217	XT3	209X10 /87 818-2 /86
L42	14	115	19.6	97	0	3	97	93	216	0	.0	115	7.22	8097	TZ2 S4	XT3	211X12 /87 364-2 /83
L42	15	103	18.4	95	0	5	94	85	207	0	.0	106	6.49	8098	TZ70 S6	XT3	213X14 /87 509-2 /83
L42	16	108	18.9	97	0	3	93	78	200	0	.0	112	6.81	8099	TZ70 S6	XT3	215X16 /87 509-BLK /83
L42	17	108	19.2	98	1	1	100	77	201	0	.0	111	6.76	8100	TZ70 S6	XT3	217X18 /87 513-2 /83
L42	18	120	18.9	98	0	2	98	85	197	0	.0	124	7.52	8101	TZ70 S6	XT3	219X20 /87 513-BLK /83
L42	19	112	19.3	98	0	2	93	80	192	0	.0	112	7.04	8102	TZ70 S6 509-1/83	XT3	221X22 /87 829-1 /86
L42	20	116	19.3	98	0	2	101	82	199	0	.0	118	7.28	8103	TZ70 S7 513-1/83	XT3	223X24 /87 6186-1 /86
L42	21	99	19.0	98	0	2	97	87	196	0	.0	103	6.24	8104	TZ70 S7 513-1/83	XT3	225X26 /87 6186-2 /86
L42	22	104	19.0	93	0	7	89	90	201	0	.0	102	6.50	8105	TZ70 17-1/85	XT3	227X28 /87 7117-2 /85
L42	23	108	19.3	96	0	4	94	87	201	0	.0	108	6.76	8106	TZ70	XT3	229X30 /87 7112-1 /85
L42	24	102	19.3	98	0	2	94	75	193	0	.0	104	6.39	8107	TZ70	XT3	231X32 /87 7112-2 /85
L42	25	104	19.4	98	0	2	96	83	199	0	.0	104	6.51	8108	TZ70	XT3	233X34 /87 7112-3 /85
L42	26	110	19.4	100	0	0	93	85	193	0	.0	113	6.89	8109	TZ70	XT3	235X36 /87 7112-4 /85
L42	27	104	19.2	98	0	2	98	89	199	0	.0	105	6.52	8110	TZ70	XT3	237X38 /87 7112-5 /85
L42	28	123	18.4	96	0	3	95	88	196	0	.0	127	7.73	8111	TZ70	XT3	239X40 /87 7286-1 /85
L42	29	100	18.6	96	0	4	92	85	199	0	.0	103	6.30	8112	TZ70	XT3	241X42 /87 7285-1 /85
L42	30	99	18.9	92	4	5	96	80	193	0	.0	96	6.24	8113	TZ70	XT3	243X44 /87 7285-2 /85
L42	31	109	19.0	98	0	2	92	89	205	0	.0	113	6.86	8114	TZ70	XT3	245X46 /87 7286-2 /85
L42	32	115	18.6	95	1	4	93	97	212	0	.0	117	7.22	8115	TZ70	XT3	247X48 /87 7287-1 /85
L42	33	105	19.2	99	0	1	96	82	203	0	.0	108	6.58	8116	TZ70	XT3	249X50 /87 7287-2 /85
L42	34	107	19.0	98	0	2	92	75	204	0	.0	110	6.70	8117	TZ70	XT3	251X52 /87 7288-1 /85
L42	35	118	19.1	96	1	3	98	88	215	0	.0	119	7.39	8118	TZ70	XT3	253X54 /87 7288-2 /85
L42	36	118	18.5	96	0	4	93	88	213	0	.0	121	7.42	8119	TZ70	XT3	255X56 /87 7289-1 /85
L42	37	113	19.3	100	0	0	90	73	195	0	.0	117	7.12	8120	TZ70	XT3	257X58 /87 7290-1 /85
L42	38	120	19.1	98	0	2	103	95	205	0	.0	123	7.56	8121	TZ70 7111-1/85 EV/86	XT3	259X60 /87 6187-1 /86
L42	39	123	19.2	97	0	3	101	78	188	0	.0	123	7.71	8122	TZ70 7111-1/85 EV/86	XT3	261X62 /87 6187-2 /86
L42	40	116	18.7	98	0	2	107	85	192	0	.0	121	7.29	8124	TZ70 7111-1/85 EV/86	XT3	265X66 /87 6190-1 /86
L42	41	122	18.7	97	0	3	97	90	199	0	.0	125	7.66	8125	TZ70 7286-1/85	XT3	267X68 /87 6193-1 /86
L42	42	125	18.7	95	2	3	102	90	209	0	.0	127	7.84	8126	TZ70 7286-1/85	XT3	269X70 /87 6194-1 /86
L42	43	114	18.8	97	0	3	99	85	202	0	.0	116	7.13	8127	TZ70 7286-1/85	XT3	271X72 /87 6194-2 /86
L42	44	131	18.7	98	0	2	103	83	197	0	.0	135	8.26	8128	TZ70 7286-1/85	XT3	273X74 /87 6194-3 /86
L42	45	100	19.1	98	1	2	95	87	201	0	.0	102	6.28	8129	TZ70 7286-1/85	XT3	275X76 /87 6196-1 /86
L42	46	117	18.4	94	1	5	96	87	205	0	.0	119	7.35	8130	TZ70 7286-1/85	XT3	277X78 /87 6196-2 /86
L42	47	103	18.9	98	0	2	104	87	207	0	.0	106	6.44	8131	MM2217MAYDIS S4R 94%	XT3	279X80 /87 7446-1 /85
L42	48	99	18.7	97	0	3	101	93	196	0	.0	102	6.19	8132	MM2217(MO17) S4 94%	XT3	281X82 /87 2301-2 /83
L42	49	103	18.7	100	0	0	104	88	198	0	.0	110	6.45	8133	MM2217(MO17) S4 94%	XT3	283X84 /87 2301-3 /83
L42	50	104	18.8	96	0	4	99	100	209	0	.0	106	6.51	8134	MM2217(MO17) S4 94%	XT3	285X86 /87 2301-4 /83
L42	51	101	18.4	98	0	2	103	85	199	0	.0	106	6.34	8135	MM2217(MO17) S4 94%	XT3	287X88 /87 2301-5 /83
L42	52	109	18.6	97	0	3	100	93	224	0	.0	113	6.85	8136	MM2217(MO17) S5 94%	XT3	289X90 /87 530-2 /83
L42	53	101	18.3	99	0	1	99	87	209	0	.0	108	6.35	8137	MM2217(MO17) S5 94%	XT3	291X92 /87 530-3 /83
L42	54	105	18.5	98	0	2	98	83	211	0	.0	110	6.57	8138	MM2217(MO17) S5 94%	XT3	293X94 /87 530-4 /83
L42	55	110	18.8	97	0	3	102	98	205	0	.0	114	6.93	8139	MM2217(MO17) S5 94%	XT3	295X96 /87 536-2 /83
L42	56	102	19.0	95	0	5	89	74	203	0	.0	103	6.43	8140	MM2217(MO17) S5 94%	XT3	297X98 /87 536-3 /83
L42	57	98	18.9	98	0	3	100	95	216	0	.0	102	6.16	8141	MM2217(MO17) S5 94%	XT3	299X 0 /87 544-2 /83
L42	58	86	19.2	98	1	2	90	97	211	0	.0	88	5.43	8142	MM2217(MO17) S5 94%	XT3	301X 2 /87 544-3 /83
L42	59	97	18.6	98	0	2	88	97	219	0	.0	103	6.11	8143	MM2217(MO17) S6 94%	XT3	303X 4 /87 1001-1 /86
L42	60	108	18.4	99	0	1	88	97	215	0	.0	114	6.79	8144	MM2217(MO17) S6 94%	XT3	305X 6 /87 1001-2 /86
L42	61	108	18.6	98	0	2	102	100	215	0	.0	113	6.79	8145	MM2217(MO17) S6 94%	XT3	307X 8 /87 1001-3 /86

Table 107. Experiment L42 Lewiston, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
L42	62	109	18.3	99	0	1	99	97	224	0	.0	117	6.88	8146	MM2217(MO17) S6 94% XT3	309X10 /87 1001-4 /86
L42	63	104	18.5	98	0	2	95	96	216	0	.0	111	6.56	8147	MM2217(MO17) S6 94% XT3	311X12 /87 1002-1 /86
L42	64	106	18.7	98	0	2	94	100	213	0	.0	112	6.68	8148	MM2217(MO17) S6 94% XT3	313X14 /87 1002-2 /86
L42	65	111	18.5	97	0	2	100	86	209	0	.0	115	6.96	8149	MM2217(MO17) S6 94% XT3	315X16 /87 1002-3 /86
L42	66	118	18.6	99	1	0	103	92	220	0	.0	125	7.42	8150	MM2217(MO17) S6 94% XT3	317X18 /87 1002-4 /86
L42	67	125	18.5	99	0	1	99	88	216	0	.0	133	7.87	8151	MM2217(MO17) S6 94% XT3	319X20 /87 1002-5 /86
L42	68	109	18.3	96	0	4	101	78	197	0	.0	113	6.86	8152	MM2217(MO17) S6 94% XT3	321X22 /87 1002-6 /86
L42	69	123	18.4	100	0	0	105	100	207	0	.0	130	7.70	8153	MM2217(MO17) S6 94% XT3	323X24 /87 1002-7 /86
L42	70	108	18.6	98	0	2	100	85	201	0	.0	112	6.76	8154	MM2217(MO17) S6 94% XT3	325X26 /87 1003-1 /86
L42	71	116	18.4	98	0	2	98	92	215	0	.0	123	7.31	8155	MM2217(MO17) S6 94% XT3	327X28 /87 1003-2 /86
L42	72	109	19.1	98	0	2	103	85	208	0	.0	111	6.84	8156	MM2217(MO17) S6 94% XT3	329X30 /87 1004-1 /86
L42	73	102	19.0	98	1	1	97	87	200	0	.0	105	6.43	8157	MM2217(MO17) S6 94% XT3	331X32 /87 1004-2 /86
L42	74	96	18.4	92	0	8	97	77	187	0	.0	97	6.02	8158	MM2217(M17RG)S6 94% XT3	333X34 /87 7440-1 /85
L42	75	105	18.2	95	0	5	100	103	214	0	.0	108	6.59	8159	MM2217(M17RG)S6 94% XT3	335X36 /87 4105-1 /86
L42	76	111	18.4	98	1	1	103	77	192	0	.0	118	7.00	8160	MM2217(M17RG)S6 94% XT3	337X38 /87 4105-2 /86
L42	77	106	18.3	94	1	5	100	82	199	0	.0	109	6.67	8161	MM2217(M17RG)S7 94% XT3	339X40 /87 960-1 /86
L42	78	100	18.5	98	0	2	102	75	190	0	.0	107	6.29	8162	MM2217(M17RG)S7 94% XT3	341X42 /87 961-1 /86
L42	79	102	18.0	97	0	3	97	88	203	0	.0	109	6.39	8163	MM2217(M17RG)S7 94% XT3	343X44 /87 961-2 /86
L42	80	103	18.4	96	0	4	104	85	185	0	.0	107	6.45	8164	MM2217(M17RG)S7 94% XT3	345X46 /87 962-1 /86
L42	81	109	18.4	95	0	5	98	72	190	0	.0	112	6.87	8166	MM2217(M17RG)S7 94% XT3	349X50 /87 962-3 /86
L42	82	101	18.3	98	0	2	93	75	199	0	.0	107	6.33	8167	MM2217(M17RG)S7 94% XT3	351X52 /87 962-4 /86
L42	83	102	18.4	96	0	4	91	83	200	0	.0	105	6.41	8168	MM2217 MAY S4 R 88% XT3	353X54 /87 7460-1 /85
L42	84	97	18.5	96	0	4	98	72	179	0	.0	101	6.11	8169	OH43E(MO17)S4 GLS 88%XT3	355X56 /87 2776-1 /86
L42	85	100	18.3	97	0	3	92	78	181	0	.0	105	6.29	8170	OH43E(MO17)S4 GLS 88%XT3	357X58 /87 2778-1 /86
L42	86	91	18.3	100	0	0	89	76	185	0	.0	99	5.72	8171	OH43E(MO17)S4 GLS 88%XT3	359X60 /87 2778-2 /86
L42	87	107	18.2	100	0	0	87	72	182	0	.0	116	6.70	8172	OH43E(MO17)S4 GLS 88%XT3	361X62 /87 2778-3 /86
L42	88	109	18.0	97	0	3	99	75	199	0	.0	116	6.85	8173	OH43E(MO17)S4 GLS 88%XT3	363X64 /87 2778-4 /86
L42	89	104	18.2	99	0	1	98	77	187	0	.0	113	6.56	8174	OH43E(MO17)S4 GLS 88%XT3	365X66 /87 6278-1 /86
L42	90	104	18.3	93	0	7	103	75	192	0	.0	105	6.53	8175	OH43E(MO17)S4 GLS 88%XT3	367X68 /87 6278-2 /86
L42	91	106	18.0	96	0	4	92	73	187	0	.0	113	6.65	8176	OH43E(MO17)S3 GLS 88%XT3	369X70 /87 7478-1 /85
L42	92	103	18.2	98	0	2	92	95	210	0	.0	111	6.45	8180	(MM2217 X TZ56)F2S5 XT3	377X78 /87 7535-1 /85
L42	93	130	18.3	99	0	1	100	95	224	0	.0	138	8.18	8181	(MM2217 X TZ56)F2S5 XT3	379X80 /87 7535-2 /85
L42	94	121	18.4	98	2	0	99	98	213	0	.0	128	7.62	8182	(MM2217 X TZ56)F2S5 XT3	381X82 /87 7536-1 /85
L42	95	108	18.9	96	0	4	99	90	223	0	.0	109	6.76	8183	(MM2217 X TZ56)F2S5 XT3	383X84 /87 7537-1 /85
L42	96	105	18.0	92	3	4	92	93	204	0	.0	107	6.60	8083	TUX(632.14)F5S5 50% XT5	183X84 /87 7548-1 /85
L42	97	128	18.6	95	0	5	97	95	215	0	.0	131	8.03	901	B73HT X MO17HT	REC. 1987
L42	98	130	18.8	99	0	1	101	107	226	0	.0	135	8.14	909	DEKALB 689	REC. 1986
L42	99	126	19.8	99	0	1	97	105	217	0	.0	127	7.93	902	PIONEER 3165	REC. 1987
L42	100	77	19.4	96	0	4	85	92	207	0	.0	76	4.82	917	FUNKS G4522	REC. 1986
		107	18.8	97	0	3	97	88	204	0	.0	110	6.75		EXPERIMENT MEANS	
		19	.6	5	2	5	12	15	16	0	.0	21	1.18		LSD .05 (ENTRY x REP)	
		25	.7	7	3	6	16	20	21	0	.0	28	1.56		LSD .01 (ENTRY x REP)	
		11	1.8	3	454	107	8	11	5	0	0	12	11.		C. V. % (ENTRY x REP)	
		116	114.	100	100	100	100	100	103	0	0	111	116.		R. E % (LATTICE)	

T 3 = A632Ht x B73Ht

Table 108. Experiment P42 Plymouth, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD ER	HT(cm) PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
P42	1	149	21.1	98	0	2	106	121 256	0	.0	142	9.39	8001	GC88(NC258) X B73HT		19X20 /87	5601-BK /85
P42	2	106	20.5	97	0	3	100	119 246	0	.0	100	6.63	8002	GC88(NC258) X MO17HT		21X22 /87	5601-BK /85
P42	3	125	19.7	92	0	8	104	116 245	0	.0	119	7.87	8085	GC88(NC258)	XT3	187X88 /87	1647-BLK /86
P42	4	118	19.2	98	0	2	107	114 243	0	.0	120	7.42	8086	GCT-2 12 S6 479-1/83	XT3	189X90 /87	813-1 /86
P42	5	122	19.0	97	0	3	107	114 242	0	.0	123	7.64	8087	GCT-2 12 S6 479-1/83	XT3	191X92 /87	6182-1 /86
P42	6	127	19.0	99	0	1	107	121 255	0	.0	131	8.00	8088	GCT-2 12 S6 479-1/83	XT3	193X94 /87	6182-2 /86
P42	7	138	19.6	98	0	2	108	128 269	0	.0	139	8.68	8089	GCT-2 12 S6 479-1/83	XT3	195X96 /87	6182-3 /86
P42	8	114	20.1	92	0	8	108	132 254	0	.0	105	7.14	8091	GCT105 S4EV 375-1/83	XT3	199X 0 /87	814-2 /86
P42	9	118	18.6	97	0	3	107	114 248	0	.0	122	7.42	8092	MM2217	XT3	201X 2 /87	817-1 /86
P42	10	122	18.7	97	0	3	103	114 247	0	.0	125	7.66	8093	MM2217	XT3	203X 4 /87	817-2 /86
P42	11	119	18.4	94	0	6	105	121 257	0	.0	121	7.48	8094	MM2217	XT3	205X 6 /87	817-3 /86
P42	12	118	18.8	98	0	1	108	113 242	0	.0	122	7.39	8095	MM2217	XT3	207X 8 /87	818-1 /86
P42	13	111	18.5	97	0	3	105	118 246	0	.0	115	6.99	8096	MM2217	XT3	209X10 /87	818-2 /86
P42	14	132	19.7	98	0	1	108	114 239	0	.0	131	8.27	8097	TZ2 S4	XT3	211X12 /87	364-2 /83
P42	15	128	18.2	89	0	11	109	116 249	0	.0	126	8.04	8098	TZ70 S6	XT3	213X14 /87	509-2 /83
P42	16	134	18.9	95	0	5	106	114 234	0	.0	135	8.44	8099	TZ70 S6	XT3	215X16 /87	509-BLK /83
P42	17	122	19.0	94	0	6	106	110 243	0	.0	121	7.65	8100	TZ70 S6	XT3	217X18 /87	513-2 /83
P42	18	127	19.1	98	0	2	104	117 254	0	.0	129	7.98	8101	TZ70 S6	XT3	219X20 /87	513-BLK /83
P42	19	124	18.8	97	0	3	107	109 236	0	.0	127	7.80	8102	TZ70 S6 509-1/83	XT3	221X22 /87	829-1 /86
P42	20	132	19.1	97	0	3	105	114 246	0	.0	133	8.29	8103	TZ70 S7 513-1/83	XT3	223X24 /87	6186-1 /86
P42	21	135	19.4	98	0	1	106	114 242	0	.0	136	8.47	8104	TZ70 S7 513-1/83	XT3	225X26 /87	6186-2 /86
P42	22	129	18.7	96	0	4	102	117 246	0	.0	131	8.09	8105	TZ70 17-1/85	XT3	227X28 /87	7117-2 /85
P42	23	134	19.6	98	0	2	106	115 235	0	.0	135	8.44	8106	TZ70	XT3	229X30 /87	7112-1 /85
P42	24	130	19.5	98	0	2	103	107 226	0	.0	130	8.18	8107	TZ70	XT3	231X32 /87	7112-2 /85
P42	25	122	19.4	98	0	2	106	115 240	0	.0	123	7.69	8108	TZ70	XT3	233X34 /87	7112-3 /85
P42	26	121	19.2	92	0	8	108	119 247	0	.0	117	7.58	8109	TZ70	XT3	235X36 /87	7112-4 /85
P42	27	131	19.3	93	0	7	108	113 232	0	.0	128	8.25	8110	TZ70	XT3	237X38 /87	7112-5 /85
P42	28	132	18.7	95	0	5	105	117 244	0	.0	134	8.30	8111	TZ70	XT3	239X40 /87	7286-1 /85
P42	29	122	18.9	98	0	2	102	116 238	0	.0	126	7.68	8112	TZ70	XT3	241X42 /87	7285-1 /85
P42	30	120	18.8	97	0	4	100	124 251	0	.0	122	7.52	8113	TZ70	XT3	243X44 /87	7285-2 /85
P42	31	132	19.2	94	0	6	105	113 246	0	.0	130	8.29	8114	TZ70	XT3	245X46 /87	7286-2 /85
P42	32	127	19.2	95	0	6	107	120 248	0	.0	125	7.96	8115	TZ70	XT3	247X48 /87	7287-1 /85
P42	33	134	19.3	98	0	2	108	110 224	0	.0	136	8.43	8116	TZ70	XT3	249X50 /87	7287-2 /85
P42	34	128	19.1	97	0	3	106	109 222	0	.0	129	8.01	8117	TZ70	XT3	251X52 /87	7288-1 /85
P42	35	128	19.4	95	0	5	105	116 240	0	.0	126	8.04	8118	TZ70	XT3	253X54 /87	7288-2 /85
P42	36	129	18.4	98	0	2	107	112 238	0	.0	135	8.10	8119	TZ70	XT3	255X56 /87	7289-1 /85
P42	37	129	19.2	98	0	1	104	115 242	0	.0	131	8.10	8120	TZ70	XT3	257X58 /87	7290-1 /85
P42	38	130	19.1	98	0	2	107	105 233	0	.0	131	8.14	8121	TZ70 7111-1/85 EV/86	XT3	259X60 /87	6187-1 /86
P42	39	129	18.9	98	0	3	106	114 235	0	.0	133	8.12	8122	TZ70 7111-1/85 EV/86	XT3	261X62 /87	6187-2 /86
P42	40	129	19.2	95	0	5	107	110 231	0	.0	129	8.12	8124	TZ70 7111-1/85 EV/86	XT3	265X66 /87	6190-1 /86
P42	41	127	18.7	95	0	5	108	112 237	0	.0	128	8.00	8125	TZ70 7286-1/85	XT3	267X68 /87	6193-1 /86
P42	42	131	18.9	97	0	3	108	119 239	0	.0	133	8.20	8126	TZ70 7286-1/85	XT3	269X70 /87	6194-1 /86
P42	43	133	18.7	97	0	3	108	116 252	0	.0	137	8.37	8127	TZ70 7286-1/85	XT3	271X72 /87	6194-2 /86
P42	44	128	18.9	98	0	2	106	106 226	0	.0	131	8.04	8128	TZ70 7286-1/85	XT3	273X74 /87	6194-3 /86
P42	45	131	18.5	98	0	3	104	122 254	0	.0	135	8.20	8129	TZ70 7286-1/85	XT3	275X76 /87	6196-1 /86
P42	46	121	18.7	96	0	4	105	111 236	0	.0	123	7.60	8130	TZ70 7286-1/85	XT3	277X78 /87	6196-2 /86
P42	47	120	19.1	94	0	5	106	113 245	0	.0	120	7.56	8131	MM2217MAYDIS S4R 94%	XT3	279X80 /87	7446-1 /85
P42	48	114	18.3	98	0	2	108	112 230	0	.0	120	7.15	8132	MM2217(MO17) S4 94%	XT3	281X82 /87	2301-2 /83
P42	49	102	18.8	98	0	2	106	106 225	0	.0	106	6.43	8133	MM2217(MO17) S4 94%	XT3	283X84 /87	2301-3 /83
P42	50	110	18.5	98	0	2	105	113 233	0	.0	116	6.89	8134	MM2217(MO17) S4 94%	XT3	285X86 /87	2301-4 /83
P42	51	101	18.5	96	0	4	110	114 234	0	.0	105	6.33	8135	MM2217(MO17) S4 94%	XT3	287X88 /87	2301-5 /83
P42	52	111	18.0	98	0	2	99	120 254	0	.0	119	6.96	8136	MM2217(MO17) S5 94%	XT3	289X90 /87	530-2 /83
P42	53	107	17.8	99	0	1	107	123 257	0	.0	117	6.71	8137	MM2217(MO17) S5 94%	XT3	291X92 /87	530-3 /83
P42	54	114	18.4	97	0	3	109	115 246	0	.0	119	7.17	8138	MM2217(MO17) S5 94%	XT3	293X94 /87	530-4 /83
P42	55	121	18.5	98	0	1	105	119 245	0	.0	127	7.59	8139	MM2217(MO17) S5 94%	XT3	295X96 /87	536-2 /83
P42	56	116	18.5	97	0	3	105	119 253	0	.0	121	7.31	8140	MM2217(MO17) S5 94%	XT3	297X98 /87	536-3 /83
P42	57	110	18.7	98	0	2	103	128 262	0	.0	114	6.91	8141	MM2217(MO17) S5 94%	XT3	299X 0 /87	544-2 /83
P42	58	102	18.8	95	0	5	108	122 243	0	.0	102	6.41	8142	MM2217(MO17) S5 94%	XT3	301X 2 /87	544-3 /83
P42	59	104	18.5	98	0	3	101	119 252	0	.0	109	6.54	8143	MM2217(MO17) S6 94%	XT3	303X 4 /87	1001-1 /86
P42	60	99	18.6	99	0	1	96	116 250	0	.0	105	6.21	8144	MM2217(MO17) S6 94%	XT3	305X 6 /87	1001-2 /86
P42	61	97	18.6	95	0	5	105	116 249	0	.0	100	6.08	8145	MM2217(MO17) S6 94%	XT3	307X 8 /87	1001-3 /86

Table 108. Experiment P42 Plymouth, N.C. GC, TZ70, MM2217, Oh43E(Mo17), Tux Top Crosses, 1988
100 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	SL	% STD	HT(cm) ER	PLT	TASSEL DAY	NIK	SEL	METRIC YIELD	ID	PEDIGREE	SOURCE	
P42	62	106	18.2	98	0	2	103	114	235	0	.0	113	6.63	8146	MM2217(MO17) S6 94% XT3	309X10 /87	1001-4 /86
P42	63	111	18.6	99	0	1	107	119	256	0	.0	117	6.96	8147	MM2217(MO17) S6 94% XT3	311X12 /87	1002-1 /86
P42	64	125	18.4	99	0	1	105	109	238	0	.0	133	7.86	8148	MM2217(MO17) S6 94% XT3	313X14 /87	1002-2 /86
P42	65	113	18.2	99	0	1	108	117	249	0	.0	122	7.11	8149	MM2217(MO17) S6 94% XT3	315X16 /87	1002-3 /86
P42	66	121	18.4	99	0	1	105	114	250	0	.0	128	7.60	8150	MM2217(MO17) S6 94% XT3	317X18 /87	1002-4 /86
P42	67	111	18.0	99	0	1	105	122	264	0	.0	120	6.94	8151	MM2217(MO17) S6 94% XT3	319X20 /87	1002-5 /86
P42	68	120	18.1	99	0	1	106	114	243	0	.0	129	7.56	8152	MM2217(MO17) S6 94% XT3	321X22 /87	1002-6 /86
P42	69	113	18.1	99	0	1	110	117	251	0	.0	121	7.09	8153	MM2217(MO17) S6 94% XT3	323X24 /87	1002-7 /86
P42	70	116	18.7	99	0	1	108	115	244	0	.0	122	7.30	8154	MM2217(MO17) S6 94% XT3	325X26 /87	1003-1 /86
P42	71	121	18.4	97	0	3	108	114	251	0	.0	126	7.62	8155	MM2217(MO17) S6 94% XT3	327X28 /87	1003-2 /86
P42	72	107	19.2	98	0	2	106	115	238	0	.0	109	6.74	8156	MM2217(MO17) S6 94% XT3	329X30 /87	1004-1 /86
P42	73	114	19.0	98	0	2	106	105	226	0	.0	117	7.15	8157	MM2217(MO17) S6 94% XT3	331X32 /87	1004-2 /86
P42	74	106	18.8	98	0	2	105	109	222	0	.0	110	6.67	8158	MM2217(M17RG)S6 94% XT3	333X34 /87	7440-1 /85
P42	75	116	18.3	97	0	3	109	114	242	0	.0	122	7.30	8159	MM2217(M17RG)S6 94% XT3	335X36 /87	4105-1 /86
P42	76	106	18.9	99	0	1	108	106	229	0	.0	110	6.68	8160	MM2217(M17RG)S6 94% XT3	337X38 /87	4105-2 /86
P42	77	116	18.7	98	0	2	107	111	233	0	.0	120	7.27	8161	MM2217(M17RG)S7 94% XT3	339X40 /87	960-1 /86
P42	78	113	19.0	99	0	1	105	120	238	0	.0	117	7.10	8162	MM2217(M17RG)S7 94% XT3	341X42 /87	961-1 /86
P42	79	111	18.7	99	0	1	106	117	238	0	.0	116	6.94	8163	MM2217(M17RG)S7 94% XT3	343X44 /87	961-2 /86
P42	80	112	18.9	98	1	2	105	102	214	0	.0	114	7.03	8164	MM2217(M17RG)S7 94% XT3	345X46 /87	962-1 /86
P42	81	114	18.8	98	0	2	104	111	229	0	.0	118	7.14	8166	MM2217(M17RG)S7 94% XT3	349X50 /87	962-3 /86
P42	82	117	18.8	100	0	0	108	114	234	0	.0	124	7.36	8167	MM2217(M17RG)S7 94% XT3	351X52 /87	962-4 /86
P42	83	121	18.6	96	0	4	108	112	240	0	.0	124	7.59	8168	MM2217 MAY S4 R 88% XT3	353X54 /87	7460-1 /85
P42	84	118	18.2	97	0	3	108	106	200	0	.0	124	7.41	8169	OH43E(MO17)S4 GLS 88%XT3	355X56 /87	2776-1 /86
P42	85	112	18.2	98	0	2	106	107	208	0	.0	119	7.01	8170	OH43E(MO17)S4 GLS 88%XT3	357X58 /87	2778-1 /86
P42	86	107	18.0	95	0	5	106	108	209	0	.0	112	6.72	8171	OH43E(MO17)S4 GLS 88%XT3	359X60 /87	2778-2 /86
P42	87	107	17.9	98	0	2	104	103	203	0	.0	116	6.75	8172	OH43E(MO17)S4 GLS 88%XT3	361X62 /87	2778-3 /86
P42	88	115	18.2	97	0	3	109	108	225	0	.0	121	7.25	8173	OH43E(MO17)S4 GLS 88%XT3	363X64 /87	2778-4 /86
P42	89	111	18.4	97	0	3	106	102	201	0	.0	116	6.99	8174	OH43E(MO17)S4 GLS 88%XT3	365X66 /87	6278-1 /86
P42	90	112	17.9	96	0	4	108	115	226	0	.0	119	7.06	8175	OH43E(MO17)S4 GLS 88%XT3	367X68 /87	6278-2 /86
P42	91	124	18.4	94	0	7	106	104	222	0	.0	125	7.76	8176	OH43E(MO17)S3 GLS 88%XT3	369X70 /87	7478-1 /85
P42	92	111	18.7	98	0	2	101	107	240	0	.0	116	7.00	8180	(MM2217 X TZ56)F2S5 XT3	377X78 /87	7535-1 /85
P42	93	125	18.4	97	0	3	104	128	275	0	.0	130	7.86	8181	(MM2217 X TZ56)F2S5 XT3	379X80 /87	7535-2 /85
P42	94	123	18.5	98	0	2	103	127	262	0	.0	129	7.70	8182	(MM2217 X TZ56)F2S5 XT3	381X82 /87	7536-1 /85
P42	95	121	19.3	98	0	2	103	122	259	0	.0	122	7.57	8183	(MM2217 X TZ56)F2S5 XT3	383X84 /87	7537-1 /85
P42	96	113	18.9	97	0	3	104	113	233	0	.0	115	7.08	8083	TUX(632.14)F5S5 50% XT5	183X84 /87	7548-1 /85
P42	97	141	18.4	98	0	1	107	122	247	0	.0	148	8.86	901	B73HT X MO17HT		REC. 1987
P42	98	137	19.3	95	0	5	106	134	269	0	.0	135	8.59	909	DEKALB 689		REC. 1986
P42	99	143	21.3	95	4	1	106	129	262	0	.0	131	8.96	902	PIONEER 3165		REC. 1987
P42	100	120	19.1	99	0	1	95	117	238	0	.0	124	7.54	917	FUNKS G4522		REC. 1986
		120	18.8	97	0	3	106	115	241	0	.0	123	7.54		EXPERIMENT MEANS		
		13	.5	5	1	5	6	11	21	0	.0	15	.80		LSD .05 (ENTRY x REP)		
		17	.6	6	1	6	7	14	28	0	.0	19	1.05		LSD .01 (ENTRY x REP)		
		7	1.6	3	999	100	3	6	5	0	0	7	7.		C. V. % (ENTRY x REP)		
		100	104.	100	100	101	100	106	116	0	0	100	100.		R. E % (LATTICE)		

T 3 = A632Ht x B73Ht

Table 109. Experiment 43 Analysis over locations for Tx601, Fl Fshmr, Ibadan B, Top Crosses, 1988

Locations: Clayton, N.C.; Lewiston, N.C.; Plymouth, N.C.

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE
43	1	115	19.4	92	0	8	106	110	232	68	-.6	110	7.24	8177	TX601(GASPE)S4 94% XT3	371X72 /87 7523-1 /85
43	2	110	19.9	88	1	11	104	132	258	71	.4	99	6.92	8178	TX601(GASPE)S4 94% XT3	373X74 /87 7524-1 /85
43	3	112	19.4	93	0	7	106	111	238	66	2.4	109	7.06	8179	TX601(GASPE)S4 94% XT3	375X76 /87 7526-1 /85
43	4	118	20.0	90	1	8	102	97	213	64	.0	108	7.41	8184	FLFSHMR(VA35G)S7 88% XT3	385X86 /87 6284-1 /86
43	5	121	20.4	94	0	6	103	104	217	65	.0	112	7.57	8185	FLFSHMR(VA35G)S7 88% XT3	387X88 /87 6284-2 /86
43	6	113	19.6	90	0	9	106	101	214	65	.3	105	7.09	8186	FLFSHMR(VA35G)S8 88% XT3	389X90 /87 2834-1 /86
43	7	108	20.5	92	0	8	106	116	231	65	.0	97	6.76	8188	FLFSHMR(VA35G)S9 88% XT3	393X94 /87 6287-1 /86
43	8	107	20.7	92	0	8	107	116	232	65	.0	96	6.73	8189	FLFSHMR(VA35G)S9 88% XT3	395X96 /87 6287-2 /86
43	9	111	20.6	95	0	5	104	115	235	65	.3	102	6.94	8190	FLFSHMR(VA35G)S9 88% XT3	397X98 /87 6289-1 /86
43	10	109	20.6	93	0	7	106	115	237	65	.3	99	6.82	8191	FLFSHMR(VA35G)S9 88% XT3	399X 0 /87 6289-2 /86
43	11	104	18.4	98	0	2	106	107	222	64	1.4	109	6.50	8192	IBA B(VA35G)S5 88% XT3	401X 2 /87 6301-1 /86
43	12	112	17.8	94	0	6	106	114	230	65	.0	117	7.01	8193	IBA B(VA35G)E S5 94% XT3	403X 4 /87 2595-1 /86
43	13	111	17.9	95	0	4	108	115	231	64	1.0	117	6.98	8194	IBA B(VA35G)E S5 94% XT3	405X 6 /87 2595-2 /86
43	14	102	17.7	95	0	5	105	105	228	65	.0	109	6.42	8195	IBA B(VA35G)E S5 94% XT3	407X 8 /87 2596-1 /86
43	15	101	17.6	90	1	9	108	120	236	66	-.1	104	6.39	8196	IBA B(VA35G)E S5 94% XT3	409X10 /87 2597-1 /86
43	16	112	18.3	97	1	2	107	112	231	65	.2	118	7.05	8197	IBA B(VA35G)E S5 94% XT3	411X12 /87 2599-1 /86
43	17	112	18.3	99	0	1	107	90	198	63	-.3	120	7.06	8198	P105(IBAE)S4 XT3	413X14 /87 2602-1 /86
43	18	109	18.3	96	0	3	108	107	222	64	.3	114	6.88	8199	P105(IBAE)S4 XT3	415X16 /87 2602-2 /86
43	19	118	18.9	95	0	5	104	102	229	65	2.0	119	7.44	8200	P105(IBAE)S4 XT3	417X18 /87 2603-1 /86
43	20	111	19.5	95	1	4	106	109	229	64	.4	109	6.97	8201	P105(IBAE)S4 XT3	419X20 /87 2604-1 /86
43	21	113	19.1	92	3	5	107	105	219	64	.4	110	7.12	8202	P105(IBAE)S4 XT3	421X22 /87 2605-1 /86
43	22	104	20.0	95	0	4	104	106	234	66	2.2	100	6.56	8203	P105(IBAE)S4 XT3	423X24 /87 2605-2 /86
43	23	113	19.9	96	2	3	103	100	222	65	1.6	109	7.08	8204	P105(IBAE)S4 XT3	425X26 /87 2606-1 /86
43	24	120	20.1	92	2	6	106	112	226	65	2.3	111	7.53	8205	P105(IBAE)S4 XT3	427X28 /87 2606-2 /86
43	25	111	20.6	96	1	3	106	106	229	65	2.0	104	6.97	8206	P105(IBAE)S4 XT3	429X30 /87 2606-3 /86
43	26	105	17.2	87	1	12	108	99	204	63	.7	106	6.62	8207	5X155.304X504(IBAE)S4XT3	431X32 /87 2611-1 /86
43	27	90	18.5	96	1	3	107	91	194	63	.1	94	5.64	8208	5X155.304X504(IBAE)S4XT3	433X34 /87 2613-1 /86
43	28	101	18.2	94	1	6	104	96	207	63	.0	104	6.36	8209	5X155.304X504(IBAE)S4XT3	435X36 /87 2613-2 /86
43	29	100	17.7	95	1	4	106	95	203	63	.0	107	6.28	8210	5X155.304X504(IBAE)S4XT3	437X38 /87 2614-1 /86
43	30	116	19.3	97	0	3	107	96	220	65	1.0	117	7.31	8211	5X155.304X504(IBAE)S4XT3	439X40 /87 2616-1 /86
43	31	104	18.8	85	1	14	98	122	243	66	.0	95	6.52	8212	5X155.304X504(IBAE)S4XT3	441X42 /87 2617-1 /86
43	32	118	18.8	94	1	5	107	125	248	67	1.3	117	7.38	8213	105.5X101(IBAE)S4 XT3	443X44 /87 2619-1 /86
43	33	123	18.3	91	1	8	106	123	246	67	1.3	122	7.70	8214	105.5X101(IBAE)S4 XT3	445X46 /87 2619-2 /86
43	34	120	17.9	98	0	2	107	127	260	67	1.7	128	7.55	8215	105.5X101(IBAE)S4 XT3	447X48 /87 2619-3 /86
43	35	120	18.4	89	1	10	107	121	253	67	.6	117	7.55	8216	105.5X101(IBAE)S4 XT3	449X50 /87 2620-1 /86
43	36	100	19.0	94	0	6	104	113	230	66	.6	99	6.27	8217	105.5X101(IBAE)S4 XT3	451X52 /87 2621-1 /86
43	37	101	18.7	96	0	4	106	110	227	66	.0	103	6.34	8218	105.5X101(IBAE)S4 XT3	453X54 /87 2621-2 /86
43	38	108	18.4	96	0	4	104	115	228	65	.6	111	6.77	8219	105.5X101(IBAE)S4 XT3	455X56 /87 2621-3 /86
43	39	109	19.0	95	0	4	107	106	223	65	-.1	109	6.85	8220	105.5X101(IBAE)S4 XT3	457X58 /87 2622-1 /86
43	40	117	19.2	97	0	3	104	106	231	65	-.1	118	7.37	8221	105.5X101(IBAE)S4 XT3	459X60 /87 2622-2 /86
43	41	114	18.9	98	0	2	108	106	229	66	.0	117	7.17	8222	105.5X101(IBAE)S4 XT3	461X62 /87 2622-3 /86
43	42	105	19.0	98	1	2	106	108	225	65	.1	107	6.57	8223	105.5X101(IBAE)S4 XT3	463X64 /87 2622-4 /86
43	43	112	17.8	93	1	6	102	113	232	64	.1	116	7.03	8224	105.5X101(IBAE)S4 XT3	465X66 /87 2623-1 /86
43	44	99	18.3	97	0	4	100	111	227	64	.0	105	6.24	8225	105.5X101(IBAE)S4 XT3	467X68 /87 2623-2 /86
43	45	101	17.9	96	0	4	102	107	224	65	.3	109	6.39	8226	105.5X101(IBAE)S4 XT3	469X70 /87 2623-3 /86
43	46	107	18.3	91	0	9	105	109	227	64	.0	107	6.71	8227	105.5X101(IBAE)S4 XT3	471X72 /87 2624-1 /86
43	47	99	18.8	98	0	2	102	106	214	65	-.3	104	6.23	8228	105.5X101(IBAE)S4 XT3	473X74 /87 2625-1 /86
43	48	114	19.3	96	0	4	107	108	224	66	-.3	113	7.12	8229	105.5X101(IBAE)S4 XT3	475X76 /87 2625-2 /86
43	49	109	19.0	94	1	5	105	111	227	66	-.7	108	6.85	8230	105.5X101(IBAE)S4 XT3	477X78 /87 2625-3 /86
43	50	114	19.5	96	0	4	105	117	232	66	.0	112	7.12	8231	105.5X101(IBAE)S4 XT3	479X80 /87 2625-4 /86
43	51	109	19.2	96	0	4	106	101	219	65	-.1	110	6.89	8232	105.5X101(IBAE)S4 XT3	481X82 /87 2625-5 /86
43	52	113	18.7	96	0	4	106	107	218	66	-.3	115	7.07	8233	105.5X101(IBAE)S4 XT3	483X84 /87 2625-6 /86
43	53	97	18.0	94	1	5	106	107	227	64	1.0	101	6.12	8234	P105(IBAE)S4 XT3	485X86 /87 2626-1 /86
43	54	140	18.3	99	0	1	104	118	233	66	1.7	147	8.83	901	B73HT X MO17HT	REC. 1987
43	55	145	20.7	97	2	1	105	125	249	74	.0	138	9.08	902	PIONEER 3165	REC. 1987
43	56	141	18.6	94	0	6	104	121	239	73	-1.6	143	8.87	909	DEKALB 689	REC. 1986
		111	18.9	94	1	5	105	110	228	65	.4	111	6.99		EXPERIMENT MEANS	
		11	.6	5	2	4	7	15	10	2	.9	16	.84		LSD .05 (ENTRY x ENV)	
		14	.8	6	2	5	8	19	12	2	1.2	21	1.11		LSD .01 (ENTRY x ENV)	
		6	3.	4	199	63	3	5	5	2	130	8	6.		C. V. % (ENTRY x ENV)	

T 3 = A632Ht x B73Ht

Table 110. Experiment C43 Clayton, N.C. Tx601, Fl Fshmr, Ibadan B, Top Crosses, 1988
56 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
C43	1	124	19.0	98	0	2	108	118	248	68	-.6	127	7.80	8177	TX601(GASPE)S4 94%	XT3	371X72 /87	7523-1 /85
C43	2	131	18.8	91	2	7	107	140	250	71	.4	129	8.24	8178	TX601(GASPE)S4 94%	XT3	373X74 /87	7524-1 /85
C43	3	123	18.9	98	0	2	106	113	243	66	2.4	127	7.72	8179	TX601(GASPE)S4 94%	XT3	375X76 /87	7526-1 /85
C43	4	131	19.7	94	4	2	108	102	233	64	.0	126	8.21	8184	FLFSHMR(VA35G)S7 88%	XT3	385X86 /87	6284-1 /86
C43	5	127	19.8	94	1	5	103	103	230	65	.0	123	7.96	8185	FLFSHMR(VA35G)S7 88%	XT3	387X88 /87	6284-2 /86
C43	6	117	19.0	94	0	6	108	105	220	65	.3	116	7.37	8186	FLFSHMR(VA35G)S8 88%	XT3	389X90 /87	2834-1 /86
C43	7	113	19.4	97	0	3	106	117	240	65	.0	113	7.10	8188	FLFSHMR(VA35G)S9 88%	XT3	393X94 /87	6287-1 /86
C43	8	118	19.8	95	0	5	108	123	238	65	.0	114	7.39	8189	FLFSHMR(VA35G)S9 88%	XT3	395X96 /87	6287-2 /86
C43	9	115	19.4	98	0	2	99	120	235	65	.3	116	7.20	8190	FLFSHMR(VA35G)S9 88%	XT3	397X98 /87	6289-1 /86
C43	10	118	19.9	98	0	2	107	108	233	65	.3	117	7.39	8191	FLFSHMR(VA35G)S9 88%	XT3	399X 0 /87	6289-2 /86
C43	11	107	17.8	99	0	1	108	105	230	64	1.4	117	6.69	8192	IBA B(VA35G)S5 88%	XT3	401X 2 /87	6301-1 /86
C43	12	121	17.3	100	0	0	106	112	239	65	.0	134	7.59	8193	IBA B(VA35G)E S5 94%	XT3	403X 4 /87	2595-1 /86
C43	13	121	17.6	99	0	1	108	127	243	64	1.0	132	7.57	8194	IBA B(VA35G)E S5 94%	XT3	405X 6 /87	2595-2 /86
C43	14	108	17.2	98	0	2	105	108	232	65	.0	120	6.78	8195	IBA B(VA35G)E S5 94%	XT3	407X 8 /87	2596-1 /86
C43	15	107	16.8	97	0	2	108	128	238	66	-.1	121	6.74	8196	IBA B(VA35G)E S5 94%	XT3	409X10 /87	2597-1 /86
C43	16	121	17.5	99	1	0	106	115	234	65	.2	132	7.62	8197	IBA B(VA35G)E S5 94%	XT3	411X12 /87	2599-1 /86
C43	17	112	17.9	100	0	0	109	97	226	63	-.3	122	7.03	8198	P105(IBAE)S4	XT3	413X14 /87	2602-1 /86
C43	18	114	18.1	100	0	0	108	110	232	64	.3	124	7.15	8199	P105(IBAE)S4	XT3	415X16 /87	2602-2 /86
C43	19	131	18.5	99	0	1	104	107	246	65	2.0	138	8.25	8200	P105(IBAE)S4	XT3	417X18 /87	2603-1 /86
C43	20	115	18.3	100	0	0	107	108	234	64	.4	124	7.21	8201	P105(IBAE)S4	XT3	419X20 /87	2604-1 /86
C43	21	121	18.4	99	0	1	107	108	233	64	.4	129	7.61	8202	P105(IBAE)S4	XT3	421X22 /87	2605-1 /86
C43	22	102	19.2	99	0	1	102	103	237	66	2.2	106	6.42	8203	P105(IBAE)S4	XT3	423X24 /87	2605-2 /86
C43	23	112	19.3	100	0	0	103	98	232	65	1.6	116	7.04	8204	P105(IBAE)S4	XT3	425X26 /87	2606-1 /86
C43	24	124	19.1	95	0	5	108	117	237	65	2.3	123	7.81	8205	P105(IBAE)S4	XT3	427X28 /87	2606-2 /86
C43	25	112	19.7	98	0	2	108	112	236	65	2.0	112	7.06	8206	P105(IBAE)S4	XT3	429X30 /87	2606-3 /86
C43	26	115	17.0	98	0	2	105	102	225	63	.7	128	7.21	8207	5X155.304X504(IBAE)S4	XT3	431X32 /87	2611-1 /86
C43	27	91	18.1	98	1	2	106	93	215	63	.1	98	5.70	8208	5X155.304X504(IBAE)S4	XT3	433X34 /87	2613-1 /86
C43	28	108	17.9	99	0	1	104	103	230	63	.0	118	6.79	8209	5X155.304X504(IBAE)S4	XT3	435X36 /87	2613-2 /86
C43	29	100	17.7	97	0	3	105	105	229	63	.0	109	6.30	8210	5X155.304X504(IBAE)S4	XT3	437X38 /87	2614-1 /86
C43	30	122	19.1	98	0	2	109	98	227	65	1.0	124	7.69	8211	5X155.304X504(IBAE)S4	XT3	439X40 /87	2616-1 /86
C43	31	118	17.6	92	0	8	100	130	245	66	.0	122	7.39	8212	5X155.304X504(IBAE)S4	XT3	441X42 /87	2617-1 /86
C43	32	129	18.2	100	0	0	108	123	243	67	1.3	137	8.08	8213	105.5X101(IBAE)S4	XT3	443X44 /87	2619-1 /86
C43	33	134	17.7	98	0	2	103	128	245	67	1.3	144	8.43	8214	105.5X101(IBAE)S4	XT3	445X46 /87	2619-2 /86
C43	34	126	17.3	98	0	2	108	132	247	67	1.7	138	7.94	8215	105.5X101(IBAE)S4	XT3	447X48 /87	2619-3 /86
C43	35	124	17.2	97	0	3	106	120	247	67	.6	135	7.81	8216	105.5X101(IBAE)S4	XT3	449X50 /87	2620-1 /86
C43	36	104	18.1	99	0	1	103	118	242	66	.6	113	6.53	8217	105.5X101(IBAE)S4	XT3	451X52 /87	2621-1 /86
C43	37	105	18.0	100	0	0	107	110	237	66	.0	115	6.61	8218	105.5X101(IBAE)S4	XT3	453X54 /87	2621-2 /86
C43	38	117	18.0	98	0	2	103	120	238	65	.6	125	7.35	8219	105.5X101(IBAE)S4	XT3	455X56 /87	2621-3 /86
C43	39	118	18.6	98	0	2	108	105	235	65	-.1	123	7.44	8220	105.5X101(IBAE)S4	XT3	457X58 /87	2622-1 /86
C43	40	119	18.6	100	0	0	106	103	236	65	-.1	126	7.49	8221	105.5X101(IBAE)S4	XT3	459X60 /87	2622-2 /86
C43	41	117	18.3	98	0	2	108	117	242	66	.0	124	7.36	8222	105.5X101(IBAE)S4	XT3	461X62 /87	2622-3 /86
C43	42	109	18.7	99	0	1	105	110	235	65	.1	115	6.82	8223	105.5X101(IBAE)S4	XT3	463X64 /87	2622-4 /86
C43	43	119	17.4	95	0	5	102	121	241	64	.1	127	7.50	8224	105.5X101(IBAE)S4	XT3	465X66 /87	2623-1 /86
C43	44	99	17.7	99	0	1	103	120	238	64	.0	110	6.23	8225	105.5X101(IBAE)S4	XT3	467X68 /87	2623-2 /86
C43	45	108	17.6	98	0	2	103	108	232	65	.3	118	6.81	8226	105.5X101(IBAE)S4	XT3	469X70 /87	2623-3 /86
C43	46	115	18.2	99	0	1	104	117	236	64	.0	123	7.21	8227	105.5X101(IBAE)S4	XT3	471X72 /87	2624-1 /86
C43	47	103	18.5	100	0	0	103	102	222	65	-.3	111	6.44	8228	105.5X101(IBAE)S4	XT3	473X74 /87	2625-1 /86
C43	48	120	18.7	99	0	1	107	112	240	66	-.3	125	7.51	8229	105.5X101(IBAE)S4	XT3	475X76 /87	2625-2 /86
C43	49	117	18.3	98	0	2	107	113	234	66	-.7	123	7.36	8230	105.5X101(IBAE)S4	XT3	477X78 /87	2625-3 /86
C43	50	122	18.4	98	0	2	106	117	240	66	.0	128	7.66	8231	105.5X101(IBAE)S4	XT3	479X80 /87	2625-4 /86
C43	51	117	18.7	100	0	0	108	102	237	65	-.1	124	7.38	8232	105.5X101(IBAE)S4	XT3	481X82 /87	2625-5 /86
C43	52	121	18.5	99	0	1	108	112	237	66	-.3	128	7.57	8233	105.5X101(IBAE)S4	XT3	483X84 /87	2625-6 /86
C43	53	107	18.0	99	0	1	109	110	232	64	1.0	116	6.73	8234	P105(IBAE)S4	XT3	485X86 /87	2626-1 /86
C43	54	146	16.0	100	0	0	103	123	245	66	1.7	166	9.19	901	B73HT X MO17HT		REC. 1987	
C43	55	157	20.1	100	0	0	106	130	248	74	.0	155	9.84	902	PIONEER 3165		REC. 1987	
C43	56	141	17.8	99	0	1	103	123	242	73	-1.6	151	8.86	909	DEKALB 689		REC. 1986	
		118	18.3	98	0	2	106	113	236	65	.4	124	7.40		EXPERIMENT MEANS			
		13	.6	4	2	3	6	14	9	1	.9	15	.84		LSD .05 (ENTRY x REP)			
		18	.8	5	2	5	7	18	11	1	1.2	20	1.11		LSD .01 (ENTRY x REP)			
		7	1.9	2	713	120	3	7	2	1	130	8	7.		C. V. % (ENTRY x REP)			
		102	109.	101	96	100	93	99	101	127	102	101	102.		R. E % (LATTICE)			

T3 = A632Ht x B73Ht

Table 111. Experiment L43 Lewiston, N.C. Tx601, Fl Fshmr, Ibadan B, Top Crosses, 1988
56 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% LODG SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE		SOURCE	
L43	1	96	19.4	81	0	19	104	100	208	0	.0	80	6.02	8177	TX601(GASPE)S4 94%	XT3	371X72 /87	7523-1 /85
L43	2	102	20.9	87	2	12	104	122	251	0	.0	84	6.38	8178	TX601(GASPE)S4 94%	XT3	373X74 /87	7524-1 /85
L43	3	100	19.4	85	0	15	108	98	217	0	.0	88	6.27	8179	TX601(GASPE)S4 94%	XT3	375X76 /87	7526-1 /85
L43	4	103	20.1	81	0	19	100	88	199	0	.0	83	6.50	8184	FLFSHMR(VA35G)S7 88%	XT3	385X86 /87	6284-1 /86
L43	5	114	20.5	92	0	9	105	97	198	0	.0	103	7.18	8185	FLFSHMR(VA35G)S7 88%	XT3	387X88 /87	6284-2 /86
L43	6	105	19.9	82	1	17	104	95	207	0	.0	87	6.59	8186	FLFSHMR(VA35G)S8 88%	XT3	389X90 /87	2834-1 /86
L43	7	100	21.9	86	0	14	108	112	208	0	.0	76	6.28	8188	FLFSHMR(VA35G)S9 88%	XT3	393X94 /87	6287-1 /86
L43	8	97	21.3	88	0	13	107	108	213	0	.0	78	6.10	8189	FLFSHMR(VA35G)S9 88%	XT3	395X96 /87	6287-2 /86
L43	9	109	21.4	90	0	10	108	102	218	0	.0	92	6.83	8190	FLFSHMR(VA35G)S9 88%	XT3	397X98 /87	6289-1 /86
L43	10	89	20.9	85	0	15	104	107	212	0	.0	70	5.57	8191	FLFSHMR(VA35G)S9 88%	XT3	399X 0 /87	6289-2 /86
L43	11	106	18.3	98	1	1	107	107	220	0	.0	112	6.64	8192	IBA B(VA35G)S5 88%	XT3	401X 2 /87	6301-1 /86
L43	12	97	17.7	87	0	12	104	112	210	0	.0	95	6.08	8193	IBA B(VA35G)E S5 94%	XT3	403X 4 /87	2595-1 /86
L43	13	110	17.8	89	1	10	109	107	214	0	.0	109	6.90	8194	IBA B(VA35G)E S5 94%	XT3	405X 6 /87	2595-2 /86
L43	14	99	17.0	93	0	7	104	97	220	0	.0	106	6.20	8195	IBA B(VA35G)E S5 94%	XT3	407X 8 /87	2596-1 /86
L43	15	103	17.9	83	2	15	109	118	228	0	.0	97	6.50	8196	IBA B(VA35G)E S5 94%	XT3	409X10 /87	2597-1 /86
L43	16	112	18.6	96	1	3	108	105	220	0	.0	115	7.00	8197	IBA B(VA35G)E S5 94%	XT3	411X12 /87	2599-1 /86
L43	17	111	17.8	98	0	2	105	78	181	0	.0	120	7.00	8198	P105(IBAE)S4	XT3	413X14 /87	2602-1 /86
L43	18	106	17.8	92	1	7	108	103	215	0	.0	109	6.68	8199	P105(IBAE)S4	XT3	415X16 /87	2602-2 /86
L43	19	117	18.8	92	0	8	106	98	219	0	.0	115	7.34	8200	P105(IBAE)S4	XT3	417X18 /87	2603-1 /86
L43	20	104	20.5	89	2	9	106	102	212	0	.0	91	6.55	8201	P105(IBAE)S4	XT3	419X20 /87	2604-1 /86
L43	21	114	19.7	83	6	11	107	102	203	0	.0	98	7.18	8202	P105(IBAE)S4	XT3	421X22 /87	2605-1 /86
L43	22	101	20.8	90	1	9	106	103	225	0	.0	87	6.36	8203	P105(IBAE)S4	XT3	423X24 /87	2605-2 /86
L43	23	116	20.4	89	5	6	101	102	225	0	.0	103	7.26	8204	P105(IBAE)S4	XT3	425X26 /87	2606-1 /86
L43	24	121	21.3	91	5	4	105	107	215	0	.0	105	7.58	8205	P105(IBAE)S4	XT3	427X28 /87	2606-2 /86
L43	25	114	21.3	93	2	5	104	88	211	0	.0	100	7.14	8206	P105(IBAE)S4	XT3	429X30 /87	2606-3 /86
L43	26	97	16.6	73	4	23	110	93	187	0	.0	87	6.10	8207	5X155.304X504(IBAE)S4	XT3	431X32 /87	2611-1 /86
L43	27	91	18.3	93	2	5	107	85	177	0	.0	92	5.70	8208	5X155.304X504(IBAE)S4	XT3	433X34 /87	2613-1 /86
L43	28	101	17.9	86	2	12	107	92	193	0	.0	98	6.37	8209	5X155.304X504(IBAE)S4	XT3	435X36 /87	2613-2 /86
L43	29	100	16.6	90	2	8	106	85	192	0	.0	107	6.28	8210	5X155.304X504(IBAE)S4	XT3	437X38 /87	2614-1 /86
L43	30	109	18.6	96	0	4	106	83	202	0	.0	113	6.87	8211	5X155.304X504(IBAE)S4	XT3	439X40 /87	2616-1 /86
L43	31	94	19.7	69	4	27	103	117	236	0	.0	66	5.93	8212	5X155.304X504(IBAE)S4	XT3	441X42 /87	2617-1 /86
L43	32	110	18.8	88	2	9	106	127	245	0	.0	104	6.90	8213	105.5X101(IBAE)S4	XT3	443X44 /87	2619-1 /86
L43	33	107	18.5	79	4	16	107	118	235	0	.0	94	6.72	8214	105.5X101(IBAE)S4	XT3	445X46 /87	2619-2 /86
L43	34	115	17.7	97	1	2	104	115	245	0	.0	124	7.25	8215	105.5X101(IBAE)S4	XT3	447X48 /87	2619-3 /86
L43	35	115	18.9	78	2	20	108	115	242	0	.0	98	7.21	8216	105.5X101(IBAE)S4	XT3	449X50 /87	2620-1 /86
L43	36	91	19.4	91	1	8	103	112	222	0	.0	85	5.74	8217	105.5X101(IBAE)S4	XT3	451X52 /87	2621-1 /86
L43	37	95	18.9	92	0	8	104	102	207	0	.0	93	5.97	8218	105.5X101(IBAE)S4	XT3	453X54 /87	2621-2 /86
L43	38	100	18.1	91	1	8	105	112	214	0	.0	100	6.26	8219	105.5X101(IBAE)S4	XT3	455X56 /87	2621-3 /86
L43	39	106	19.0	93	1	6	107	100	209	0	.0	104	6.67	8220	105.5X101(IBAE)S4	XT3	457X58 /87	2622-1 /86
L43	40	122	19.2	92	0	8	105	103	222	0	.0	119	7.69	8221	105.5X101(IBAE)S4	XT3	459X60 /87	2622-2 /86
L43	41	119	18.9	100	0	0	108	93	215	0	.0	124	7.45	8222	105.5X101(IBAE)S4	XT3	461X62 /87	2622-3 /86
L43	42	103	19.0	95	2	3	109	102	211	0	.0	102	6.46	8223	105.5X101(IBAE)S4	XT3	463X64 /87	2622-4 /86
L43	43	114	17.0	89	2	9	102	102	218	0	.0	118	7.18	8224	105.5X101(IBAE)S4	XT3	465X66 /87	2623-1 /86
L43	44	101	18.2	92	0	9	97	98	212	0	.0	102	6.36	8225	105.5X101(IBAE)S4	XT3	467X68 /87	2623-2 /86
L43	45	97	17.3	92	0	8	105	102	216	0	.0	104	6.12	8226	105.5X101(IBAE)S4	XT3	469X70 /87	2623-3 /86
L43	46	96	17.2	77	0	24	108	98	216	0	.0	87	6.00	8227	105.5X101(IBAE)S4	XT3	471X72 /87	2624-1 /86
L43	47	99	18.1	94	1	5	100	108	213	0	.0	103	6.25	8228	105.5X101(IBAE)S4	XT3	473X74 /87	2625-1 /86
L43	48	109	19.2	92	0	8	106	103	215	0	.0	105	6.83	8229	105.5X101(IBAE)S4	XT3	475X76 /87	2625-2 /86
L43	49	108	19.8	88	2	11	105	107	227	0	.0	98	6.78	8230	105.5X101(IBAE)S4	XT3	477X78 /87	2625-3 /86
L43	50	107	20.5	90	0	9	106	117	223	0	.0	94	6.70	8231	105.5X101(IBAE)S4	XT3	479X80 /87	2625-4 /86
L43	51	109	19.4	91	0	9	106	90	197	0	.0	104	6.85	8232	105.5X101(IBAE)S4	XT3	481X82 /87	2625-5 /86
L43	52	109	18.4	94	0	6	107	95	187	0	.0	111	6.84	8233	105.5X101(IBAE)S4	XT3	483X84 /87	2625-6 /86
L43	53	89	17.3	83	3	14	102	98	212	0	.0	86	5.60	8234	P105(IBAE)S4	XT3	485X86 /87	2626-1 /86
L43	54	135	20.1	97	1	3	102	112	223	0	.0	131	8.49	901	B73HT X MO17HT		REC. 1987	
L43	55	123	19.9	90	6	4	103	123	250	0	.0	114	7.75	902	PIONEER 3165		REC. 1987	
L43	56	136	18.4	91	0	9	106	115	222	0	.0	135	8.54	909	DEKALB 689		REC. 1986	
		106	19.0	89	1	10	105	103	215	0	.0	100	6.68		EXPERIMENT MEANS			
		15	1.4	11	3	10	7	17	22	0	.0	24	.97		LSD .05 (ENTRY x REP)			
		20	1.9	14	4	13	9	22	29	0	.0	31	1.28		LSD .01 (ENTRY x REP)			
		9	4.6	7	159	63	4	10	6	0	0	15	9.		C. V. % (ENTRY x REP)			
		101	100.	100	106	98	112	99	100	0	0	101	101.		R. E % (LATTICE)			

T3 = A632Ht x B73Ht

Table 112. Experiment P43 Plymouth, N.C. Tx601, Fl Fshmr, Ibadan B, Top Crosses, 1988
56 Entries

EXP	ENT	YLD B/A	% MOIS	% EP	% LODG RL	% SL	% STD	HT(cm) ER	HT(cm) PLT	TASSEL DAY	TASSEL NIK	TASSEL SEL	METRIC YIELD	ID	PEDIGREE	SOURCE	
P43	1	126	19.7	97	0	3	106	113	239	0	.0	124	7.89	8177	TX601(GASPE)S4 94% XT3	371X72 /87	7523-1 /85
P43	2	98	19.9	86	0	14	100	133	274	0	.0	84	6.13	8178	TX601(GASPE)S4 94% XT3	373X74 /87	7524-1 /85
P43	3	114	19.9	97	0	3	103	123	253	0	.0	112	7.18	8179	TX601(GASPE)S4 94% XT3	375X76 /87	7526-1 /85
P43	4	120	20.1	96	0	4	97	102	206	0	.0	115	7.53	8184	FLFSHMR(VA35G)S7 88% XT3	385X86 /87	6284-1 /86
P43	5	121	20.9	95	0	5	101	112	223	0	.0	111	7.58	8185	FLFSHMR(VA35G)S7 88% XT3	387X88 /87	6284-2 /86
P43	6	116	20.0	95	0	5	106	102	216	0	.0	112	7.31	8186	FLFSHMR(VA35G)S8 88% XT3	389X90 /87	2834-1 /86
P43	7	110	20.2	94	0	6	103	119	245	0	.0	102	6.91	8188	FLFSHMR(VA35G)S9 88% XT3	393X94 /87	6287-1 /86
P43	8	107	21.0	94	0	6	105	118	244	0	.0	96	6.71	8189	FLFSHMR(VA35G)S9 88% XT3	395X96 /87	6287-2 /86
P43	9	108	21.0	96	0	4	105	122	251	0	.0	99	6.79	8190	FLFSHMR(VA35G)S9 88% XT3	397X98 /87	6289-1 /86
P43	10	119	20.9	95	0	5	107	129	267	0	.0	110	7.50	8191	FLFSHMR(VA35G)S9 88% XT3	399X 0 /87	6289-2 /86
P43	11	98	19.0	96	0	4	104	110	215	0	.0	99	6.17	8192	IBA B(VA35G)S5 88% XT3	401X 2 /87	6301-1 /86
P43	12	117	18.5	95	0	5	108	117	241	0	.0	121	7.37	8193	IBA B(VA35G)E S5 94% XT3	403X 4 /87	2595-1 /86
P43	13	103	18.4	98	0	2	106	111	235	0	.0	109	6.48	8194	IBA B(VA35G)E S5 94% XT3	405X 6 /87	2595-2 /86
P43	14	100	18.8	94	0	6	107	111	233	0	.0	100	6.27	8195	IBA B(VA35G)E S5 94% XT3	407X 8 /87	2596-1 /86
P43	15	94	18.2	90	0	10	107	115	241	0	.0	93	5.92	8196	IBA B(VA35G)E S5 94% XT3	409X10 /87	2597-1 /86
P43	16	104	18.9	96	0	4	108	117	240	0	.0	106	6.53	8197	IBA B(VA35G)E S5 94% XT3	411X12 /87	2599-1 /86
P43	17	114	19.1	99	0	1	108	95	187	0	.0	118	7.15	8198	P105(IBAE)S4 XT3	413X14 /87	2602-1 /86
P43	18	108	19.0	97	0	3	108	107	220	0	.0	110	6.81	8199	P105(IBAE)S4 XT3	415X16 /87	2602-2 /86
P43	19	107	19.3	94	0	6	101	100	222	0	.0	104	6.73	8200	P105(IBAE)S4 XT3	417X18 /87	2603-1 /86
P43	20	114	19.6	96	0	4	106	116	242	0	.0	112	7.15	8201	P105(IBAE)S4 XT3	419X20 /87	2604-1 /86
P43	21	105	19.2	95	2	4	106	106	220	0	.0	103	6.58	8202	P105(IBAE)S4 XT3	421X22 /87	2605-1 /86
P43	22	110	19.9	97	0	3	105	111	240	0	.0	107	6.89	8203	P105(IBAE)S4 XT3	423X24 /87	2605-2 /86
P43	23	111	19.9	98	0	2	106	100	208	0	.0	108	6.94	8204	P105(IBAE)S4 XT3	425X26 /87	2606-1 /86
P43	24	114	20.0	90	0	10	104	111	225	0	.0	105	7.19	8205	P105(IBAE)S4 XT3	427X28 /87	2606-2 /86
P43	25	107	20.8	98	0	2	105	119	240	0	.0	100	6.70	8206	P105(IBAE)S4 XT3	429X30 /87	2606-3 /86
P43	26	104	18.0	90	0	10	108	102	200	0	.0	104	6.56	8207	5X155.304X504(IBAE)S4XT3	431X32 /87	2611-1 /86
P43	27	88	19.1	98	0	2	107	96	191	0	.0	91	5.52	8208	5X155.304X504(IBAE)S4XT3	433X34 /87	2613-1 /86
P43	28	94	18.9	96	0	4	102	93	198	0	.0	96	5.92	8209	5X155.304X504(IBAE)S4XT3	435X36 /87	2613-2 /86
P43	29	100	18.7	99	0	1	106	96	188	0	.0	105	6.27	8210	5X155.304X504(IBAE)S4XT3	437X38 /87	2614-1 /86
P43	30	117	20.2	97	0	3	105	108	231	0	.0	114	7.36	8211	5X155.304X504(IBAE)S4XT3	439X40 /87	2616-1 /86
P43	31	99	19.2	94	0	6	92	118	247	0	.0	97	6.24	8212	5X155.304X504(IBAE)S4XT3	441X42 /87	2617-1 /86
P43	32	114	19.5	94	0	6	107	125	256	0	.0	110	7.17	8213	105.5X101(IBAE)S4 XT3	443X44 /87	2619-1 /86
P43	33	127	18.8	95	0	5	109	124	259	0	.0	128	7.96	8214	105.5X101(IBAE)S4 XT3	445X46 /87	2619-2 /86
P43	34	119	18.7	98	0	2	108	134	289	0	.0	123	7.46	8215	105.5X101(IBAE)S4 XT3	447X48 /87	2619-3 /86
P43	35	121	19.0	92	0	8	108	128	270	0	.0	118	7.62	8216	105.5X101(IBAE)S4 XT3	449X50 /87	2620-1 /86
P43	36	104	19.4	92	0	8	107	109	225	0	.0	100	6.54	8217	105.5X101(IBAE)S4 XT3	451X52 /87	2621-1 /86
P43	37	102	19.3	96	0	4	107	118	238	0	.0	102	6.43	8218	105.5X101(IBAE)S4 XT3	453X54 /87	2621-2 /86
P43	38	107	19.2	98	0	2	105	112	231	0	.0	108	6.71	8219	105.5X101(IBAE)S4 XT3	455X56 /87	2621-3 /86
P43	39	103	19.4	95	0	5	106	112	226	0	.0	99	6.44	8220	105.5X101(IBAE)S4 XT3	457X58 /87	2622-1 /86
P43	40	110	19.7	98	0	2	102	113	235	0	.0	110	6.92	8221	105.5X101(IBAE)S4 XT3	459X60 /87	2622-2 /86
P43	41	106	19.4	95	0	5	107	109	230	0	.0	104	6.69	8222	105.5X101(IBAE)S4 XT3	461X62 /87	2622-3 /86
P43	42	102	19.3	99	0	1	105	112	229	0	.0	104	6.42	8223	105.5X101(IBAE)S4 XT3	463X64 /87	2622-4 /86
P43	43	102	18.9	96	0	4	101	116	237	0	.0	103	6.41	8224	105.5X101(IBAE)S4 XT3	465X66 /87	2623-1 /86
P43	44	98	19.0	99	0	1	100	114	231	0	.0	102	6.13	8225	105.5X101(IBAE)S4 XT3	467X68 /87	2623-2 /86
P43	45	99	18.8	99	0	1	98	111	224	0	.0	104	6.23	8226	105.5X101(IBAE)S4 XT3	469X70 /87	2623-3 /86
P43	46	110	19.4	98	0	2	102	112	228	0	.0	112	6.91	8227	105.5X101(IBAE)S4 XT3	471X72 /87	2624-1 /86
P43	47	95	19.7	99	0	1	102	107	208	0	.0	97	6.00	8228	105.5X101(IBAE)S4 XT3	473X74 /87	2625-1 /86
P43	48	112	20.0	97	0	3	107	109	218	0	.0	109	7.01	8229	105.5X101(IBAE)S4 XT3	475X76 /87	2625-2 /86
P43	49	102	18.9	97	0	3	103	113	219	0	.0	104	6.40	8230	105.5X101(IBAE)S4 XT3	477X78 /87	2625-3 /86
P43	50	112	19.6	99	0	1	102	117	232	0	.0	113	7.01	8231	105.5X101(IBAE)S4 XT3	479X80 /87	2625-4 /86
P43	51	102	19.5	98	0	2	103	112	224	0	.0	103	6.43	8232	105.5X101(IBAE)S4 XT3	481X82 /87	2625-5 /86
P43	52	108	19.3	95	0	5	104	113	229	0	.0	106	6.81	8233	105.5X101(IBAE)S4 XT3	483X84 /87	2625-6 /86
P43	53	96	18.8	99	0	1	107	113	236	0	.0	101	6.03	8234	P105(IBAE)S4 XT3	485X86 /87	2626-1 /86
P43	54	140	18.9	99	0	1	106	118	232	0	.0	145	8.81	901	B73HT X MO17HT	REC. 1987	
P43	55	154	22.0	100	0	0	105	121	249	0	.0	144	9.66	902	PIONEER 3165	REC. 1987	
P43	56	147	19.7	93	0	7	102	126	252	0	.0	142	9.20	909	DEKALB 689	REC. 1986	
		110	19.5	96	0	4	105	113	232	0	.0	108	6.89		EXPERIMENT MEANS		
		13	.4	6	1	6	8	12	21	0	.0	16	.83		LSD .05 (ENTRY x REP)		
		18	.6	8	1	8	10	16	28	0	.0	22	1.10		LSD .01 (ENTRY x REP)		
		7	1.4	4	999	88	5	7	6	0	0	9	7.		C. V. % (ENTRY x REP)		
		100	117.	97	100	96	100	102	112	0	0	100	100.		R. E % (LATTICE)		

T3 = A632Ht x B73Ht

Table 113. Experiment 44 Andrews, N.C. 1988 GLS test for NC258 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/28	8/28	9/4	9/7	10/10	1 TOT AL	KAPK	EICR	LAQ	OD G
001	1	44	GC88 x B73Htrhm	S2 4235-01/87	7	7	7	5	3	2	1	32				9
002	1	44	GC88 x B73Htrhm	S2 4235-02/87	7	7	6	5	2	1	1	29				9
003	1	44	GC88 x B73Htrhm	S2 4235-03/87	8	8	7	6	5	1	1	36				9
004	1	44	GC88 x B73Htrhm	S2 4235-04/87	7	7	7	6	4	2	1	34				9
005	1	44	GC88 x B73Htrhm	S2 4235-05/87	7	7	7	7	6	4	1	39	7	5	4	9
006	1	44	GC88 x B73Htrhm	S2 4235-06/87	7	8	6	6	3	2	1	30				9
007	1	44	GC88 x B73Htrhm	S2 4235-07/87	8	7	7	7	5	2	1	37				9
008	1	44	GC88 x B73Htrhm	S2 4235-08/87	8	8	7	7	5	5	1	41	7	9	7	9
009	1	44	GC88 x B73Htrhm	S2 4235-09/87	8	7	7	7	6	3	1	39				9
010	1	44	GC88 x B73Htrhm	S2 4247-13/87	7	8	7	6	4	3	1	36				9
011	1	44	GC88 x B73Htrhm	S2 4236-01/87	8	7	6	6	4	3	1	35				9
012	1	44	GC88 x B73Htrhm	S2 4236-02/87	7	7	7	6	4	3	1	35				9
013	1	44	GC88 x B73Htrhm	S2 4236-03/87	8	7	7	7	6	4	1	40	8	9	8	9
014	1	44	GC88 x B73Htrhm	S2 4236-04/87	8	8	7	6	6	3	1	39				9
015	1	44	GC88 x B73Htrhm	S2 4236-05/87	7	8	7	5	3	1	1	32				9
016	1	44	GC88 x B73Htrhm	S2 4236-06/87	7	8	7	7	5	3	1	38				9
017	1	44	GC88 x B73Htrhm	S2 4236-07/87	7	7	7	6	6	4	1	38	7	6	6	9
018	1	44	GC88 x B73Htrhm	S2 4236-08/87	8	8	7	7	6	3	1	40	7	8	6	9
019	1	44	GC88 x B73Htrhm	S2 4236-09/87	7	8	6	5	3	2	1	32				9
020	1	44	GC88 x B73Htrhm	S2 4237-01/87	7	7	7	7	5	3	1	24				9
021	1	44	GC88 x B73Htrhm	S2 4237-02/87	7	8	6	6	4	3	1	35				9
022	1	44	GC88 x B73Htrhm	S2 4237-03/87	7	8	7	7	4	3	1	27				9
023	1	44	GC88 x B73Htrhm	S2 4237-04/87	8	8	7	7	5	3	1	39				9
024	1	44	GC88 x B73Htrhm	S2 4237-05/87	7	7	6	6	2	1	1	32				9
025	1	44	GC88 x B73Htrhm	S2 4238-01/87	8	8	7	7	5	2	2	39	7	7	6	9
026	1	44	GC88 x B73Htrhm	S2 4238-02/87	8	7	7	7	6	3	1	39	7	8	6	9
027	1	44	GC88 x B73Htrhm	S2 4238-03/87	8	8	6	6	6	4	1	39	9	8	6	9
028	1	44	GC88 x B73Htrhm	S2 4238-04/87	9	8	8	7	6	5	2	45	8	8	8	9
029	1	44	GC88 x B73Htrhm	S2 4238-05/87	8	8	7	7	6	4	2	42	8	6	5	9
030	1	44	GC88 x B73Htrhm	S2 4238-06/87	7	8	7	6	6	3	2	39	8	7	5	9
031	1	44	GC88 x B73Htrhm	S2 4238-07/87	8	7	6	5	3	2	1	32				9
032	1	44	GC88 x B73Htrhm	S2 4238-08/87	7	6	6	6	4	2	1	32				9
033	1	44	GC88 x B73Htrhm	S2 4239-01/87	8	8	7	6	5	2	1	37				9
034	1	44	GC88 x B73Htrhm	S2 4239-02/87	8	8	7	6	4	2	1	36				9
035	1	44	GC88 x B73Htrhm	S2 4239-03/87	7	8	7	6	5	2	1	36				9
036	1	44	GC88 x B73Htrhm	S2 4239-04/87	8	8	7	7	6	4	2	42	8	9	7	9
037	1	44	GC88 x B73Htrhm	S2 4239-05/87	7	7	6	6	5	2	1	34				9
038	1	44	GC88 x B73Htrhm	S2 4239-06/87	8	9	7	7	4	3	1	33				9
039	1	44	GC88 x B73Htrhm	S2 4240-01/87	8	7	7	6	5	2	1	36				9
040	1	44	GC88 x B73Htrhm	S2 4240-02/87	8	8	6	6	5	3	1	37				9
041	1	44	GC88 x B73Htrhm	S2 4240-03/87	8	8	6	5	3	1	1	32				9
042	1	44	GC88 x B73Htrhm	S2 4240-04/87	7	7	6	5	3	1	1	30				9
043	1	44	GC88 x B73Htrhm	S2 4240-05/87	7	6	5	4	2	1	1	26				9
044	1	44	GC88 x B73Htrhm	S2 4240-06/87	7	7	6	6	3	2	1	32				9
045	1	44	GC88 x B73Htrhm	S2 4240-07/87	9	9	7	6	5	2	1	39				9
046	1	44	GC88 x B73Htrhm	S2 4240-08/87	7	7	7	6	4	2	1	30				9
047	1	44	GC88 x B73Htrhm	S2 4240-09/87	8	8	7	6	5	2	1	37				7
048	1	44	GC88 x B73Htrhm	S2 4240-10/87	8	8	7	6	5	5	1	40	7	6	3	9
049	1	44	GC88 x B73Htrhm	S2 4241-01/87	8	9	7	7	6	2	1	40				9
050	1	44	GC88 x B73Htrhm	S2 4241-02/87	7	8	6	6	3	1	1	34				9
051	1	44	GC88 x B73Htrhm	S2 4241-03/87	7	7	6	5	4	2	1	32				9

Table 113. Experiment 44 Andrews, N.C. 1988 GLS test for NC258 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/14	9/17	10/10	TOTAL	APP	KIA PC	EAR QK	LOD G
052	1	44	GC88_x_B73Htrhm	S2_4241-04/87	8	8	7	7	6	4	1	41	8	9	6	9
053	1	44	GC88_x_B73Htrhm	S2_4241-05/87	9	8	7	7	6	5	1	43	9	7	7	9
054	1	44	GC88_x_B73Htrhm	S2_4241-06/87	8	8	6	5	3	1	1	32	_	_	_	9
055	1	44	GC88_x_B73Htrhm	S2_4241-07/87	8	6	7	6	1	1	1	30	_	_	_	9
056	1	44	GC88_x_B73Htrhm	S2_4242-01/87	8	9	7	7	6	4	1	42	_	_	_	9
057	1	44	GC88_x_B73Htrhm	S2_4242-02/87	7	7	7	7	4	3	1	36	_	_	_	9
058	1	44	GC88_x_B73Htrhm	S2_4242-03/87	7	8	7	6	5	2	1	36	_	_	_	9
059	1	44	GC88_x_B73Htrhm	S2_4242-04/87	7	6	6	5	4	2	1	31	_	_	_	9
060	1	44	GC88_x_B73Htrhm	S2_4242-05/87	7	6	6	6	3	1	1	30	_	_	_	9
061	1	44	GC88_x_B73Htrhm	S2_4242-06/87	7	6	6	6	2	1	1	29	_	_	_	9
062	1	44	GC88_x_B73Htrhm	S2_4243-01/87	9	9	7	7	4	2	1	45	_	_	_	9
063	1	44	GC88_x_B73Htrhm	S2_4243-02/87	8	8	8	7	4	2	1	43	_	_	_	9
064	1	44	GC88_x_B73Htrhm	S2_4243-03/87	6	6	5	4	1	1	1	24	_	_	_	9
065	1	44	GC88_x_B73Htrhm	S2_4243-04/87	6	7	5	6	3	2	1	37	_	_	_	9
066	1	44	GC88_x_B73Htrhm	S2_4243-05/87	8	7	7	7	5	3	1	38	_	_	_	9
067	1	44	GC88_x_B73Htrhm	S2_4243-06/87	7	6	6	4	2	1	1	28	_	_	_	9
068	1	44	GC88_x_B73Htrhm	S2_4244-01/87	7	7	6	5	5	3	1	34	_	_	_	9
069	1	44	GC88_x_B73Htrhm	S2_4244-02/87	6	8	6	6	5	2	1	34	_	_	_	9
070	1	44	GC88_x_B73Htrhm	S2_4244-03/87	7	7	7	6	3	1	1	32	_	_	_	9
071	1	44	GC88_x_B73Htrhm	S2_4245-01/87	7	8	7	6	4	2	1	35	_	_	_	9
072	1	44	GC88_x_B73Htrhm	S2_4245-02/87	9	8	7	6	6	3	1	40	7	5	6	9
073	1	44	GC88_x_B73Htrhm	S2_4245-03/87	6	8	7	6	5	4	1	39				9
074	1	44	GC88_x_B73Htrhm	S2_4245-04/87	7	7	6	6	3	2	1	35	_	_	_	9
075	1	44	GC88_x_B73Htrhm	S2_4245-05/87	6	6	2	2	1	1	1	37	_	_	_	9
076	1	44	GC88_x_B73Htrhm	S2_4245-06/87	7	7	6	4	3	1	1	29	_	_	_	9
077	1	44	GC88_x_B73Htrhm	S2_4246-01/87	7	7	6	5	3	2	1	31	_	_	_	9
078	1	44	GC88_x_B73Htrhm	S2_4247-01/87	8	8	7	6	4	2	1	36	_	_	_	9
079	1	44	GC88_x_B73Htrhm	S2_4247-02/87	8	7	6	5	4	2	1	33	_	_	_	9
080	1	44	GC88_x_B73Htrhm	S2_4247-03/87	8	7	7	6	5	2	1	36	_	_	_	9
081	1	44	GC88_x_B73Htrhm	S2_4247-04/87	8	8	7	6	4	4	1	38	_	_	_	9
082	1	44	GC88_x_B73Htrhm	S2_4247-05/87	7	7	5	5	3	1	1	27	_	_	_	9
083	1	44	GC88_x_B73Htrhm	S2_4247-06/87	8	8	7	6	5	3	1	38	_	_	_	9
084	1	44	GC88_x_B73Htrhm	S2_4247-07/87	7	9	7	7	5	3	1	38	_	_	_	9
085	1	44	GC88_x_B73Htrhm	S2_4247-08/87	7	6	6	4	2	1	1	27	_	_	_	9
086	1	44	GC88_x_B73Htrhm	S2_4247-09/87	7	8	7	7	4	3	1	30	_	_	_	9
087	1	44	GC88_x_B73Htrhm	S2_4247-10/87	8	8	7	6	5	3	1	38	_	_	_	9
088	1	44	GC88_x_B73Htrhm	S2_4248-01/87	7	8	7	7	3	2	1	36	_	_	_	9
089	1	44	GC88_x_B73Htrhm	S2_4248-02/87	8	8	8	7	5	3	1	40	_	_	_	9
090	1	44	GC88_x_B73Htrhm	S2_4248-03/87	7	8	6	6	4	2	1	31	_	_	_	9
091	1	44	GC88_x_B73Htrhm	S2_4248-04/87	6	7	6	5	3	2	1	33	_	_	_	9
092	1	44	GC88_x_B73Htrhm	S2_4248-05/87	6	7	6	6	3	2	1	39	_	_	_	9
093	1	44	GC88_x_B73Htrhm	S2_4248-06/87	7	8	7	7	6	4	1	34	8	8	6	9
094	1	44	GC88_x_B73Htrhm	S2_4248-07/87	7	7	6	4	2	1	1	28				9
095	1	44	GC88_x_B73Htrhm	S2_4248-08/87	8	8	7	7	5	3	1	39	_	_	_	9
096	1	44	GC88_x_B73Htrhm	S2_4248-09/87	7	8	7	6	5	3	1	39	_	_	_	9
097	1	44	GC88_x_B73Htrhm	S2_4249-01/87	6	7	5	5	2	2	1	28	_	_	_	9
098	1	44	GC88_x_B73Htrhm	S2_4249-02/87	7	8	7	6	4	2	1	35	_	_	_	9
099	1	44	GC88_x_B73Htrhm	S2_4249-03/87	6	6	7	7	5	3	1	24	_	_	_	9
100	1	44	GC88_x_B73Htrhm	S2_4249-04/87	7	7	6	5	3	2	1	19	_	_	_	9
101	1	44	GC88_x_B73Htrhm	S2_4249-05/87	7	7	7	6	5	3	1	36	_	_	_	9
102	1	44	GC88_x_B73Htrhm	S2_4249-06/87	8	7	7	7	6	4	2	41	9	9	7	9

Table 113. Experiment 44 Andrews, N.C. 1988 GLS test for NC258 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/21	8/28	9/5	9/14	9/27	10/1	TOTAL	AP	KIAPC	EARKQ	LODG
103	1	44	GC88 x B73Htrhm	S2 4249-07/87	7	8	7	6	4	2	1	35				9
104	1	44	GC88 x B73Htrhm	S2 4249-08/87	7	8	7	6	5	3	1	37				9
105	1	44	GC88 x B73Htrhm	S2 4250-01/87	7	7	6	6	3	1	1	31				9
106	1	44	GC88 x B73Htrhm	S2 4250-02/87	7	7	7	6	2	1	1	31				9
107	1	44	GC88 x B73Htrhm	S2 4250-03/87	6	6	5	5	2	1	1	26				9
108	1	44	GC88 x B73Htrhm	S2 4250-04/87	7	7	6	5	3	1	1	34				9
109	1	44	GC88 x B73Htrhm	S2 4250-05/87	8	8	7	6	3	1	1	30				9
110	1	44	GC88 x B73Htrhm	S2 4250-06/87	6	7	6	4	2	1	1	27				9
111	1	44	GC88 x B73Htrhm	S2 4250-07/87	7	7	7	7	4	3	1	31				9
112	1	44	GC88 x B73Htrhm	S2 4250-08/87	6	8	6	6	4	2	1	37				9
113	1	44	GC88 x B73Htrhm	S2 4251-01/87	8	8	7	6	4	2	1	36				9
114	1	44	GC88 x B73Htrhm	S2 4251-02/87	8	7	7	6	3	1	1	33				9
115	1	44	GC88 x B73Htrhm	S2 4251-03/87	6	8	6	5	3	1	1	40				9
116	1	44	GC88 x B73Htrhm	S2 4251-04/87	6	6	4	4	2	1	1	33				9
117	1	44	GC88 x B73Htrhm	S2 4251-05/87	7	7	6	5	3	2	1	31				9
118	1	44	GC88 x B73Htrhm ???	S2 4251-06/87	6	6	5	5	2	1	1	26				9
119	1	44	GC88 x B73Htrhm	S2 4251-07/87	7	8	6	5	3	1	1	31				9
120	1	44	GC88 x B73Htrhm	S2 4251-08/87	7	6	6	5	3	1	1	29				9
121	1	44	GC88 x B73Htrhm	S2 4252-01/87	7	8	7	6	5	4	1	38				9
122	1	44	GC88 x B73Htrhm	S2 4252-02/87	7	8	7	6	4	2	1	35				9
123	1	44	GC88 x B73Htrhm	S2 4252-03/87	8	8	7	7	7	5	2	44	7	8	6	9
124	1	44	GC88 x B73Htrhm	S2 4252-04/87	8	8	7	7	4	2	1	37				9
125	1	44	GC88 x B73Htrhm	S2 4253-01/87	7	6	6	5	3	2	1	30				9
126	1	44	GC88 x B73Htrhm	S2 4253-02/87	6	8	6	4	3	2	1	30				9
127	1	44	GC88 x B73Htrhm	S2 4253-03/87	8	8	7	7	5	2	1	30				9
128	1	44	GC88 x B73Htrhm	S2 4253-04/87	7	7	6	6	4	2	1	33				9
129	1	44	GC88 x B73Htrhm	S2 4253-05/87	7	8	7	6	6	4	1	39	7	8	7	9
130	1	44	GC88 x B73Htrhm	S2 4253-06/87	7	7	7	5	3	2	1	32				9
131	1	44	GC88 x B73Htrhm	S2 4253-07/87	7	7	5	5	3	2	1	30				9
132	1	44	GC88 x B73Htrhm	S2 4253-08/87	8	8	7	6	4	3	1	37				9
133	1	44	GC88 x B73Htrhm	S2 4254-01/87	7	8	7	7	6	3	2	40	7	8	5	9
134	1	44	GC88 x B73Htrhm	S2 4254-02/87	9	8	7	6	5	4	1	40				9
135	1	44	GC88 x B73Htrhm	S2 4254-03/87	7	8	7	6	4	3	1	36				9
136	1	44	GC88 x B73Htrhm	S2 4254-04/87	8	7	6	6	5	3	1	36				9
137	1	44	GC88 x B73Htrhm	S2 4254-05/87	8	9	6	6	2	1	1	32				9
138	1	44	GC88 x B73Htrhm	S2 4254-06/87	7	8	6	6	3	2	1	30				9
139	1	44	GC88 x B73Htrhm	S2 4254-07/87	8	8	6	6	4	2	1	35				9
140	1	44	GC88 x B73Htrhm	S2 4254-08/87	7	7	6	6	4	2	1	33				9
141	1	44	GC88	4221/87	8	8	7	7	7	5	1	33				9
142	1	44	GC88	4221/87	8	8	7	7	6	5	1	42				9
143	1	44	GC88	4221/87	8	8	7	7	7	6	2	45	6	9	3	9
144	1	44	B73Htrhm	Bergquist/86	7	7	6	5	1	1	1	35				9
145	1	44	B73Htrhm	Bergquist/86	7	6	5	4	1	1	1	25				9
146	1	44	B73Htrhm	Bergquist/8	7	8	6	4	2	1	1	29				9
147	1	44	GC88 x B73Htrhm	S0 4877 x 4861/86	8	9	7	8	7	4	2	37	9	7	9	9
147	1	44	GC88 x B73Htrhm	S0 4877 x 4861/86	9	9	7	8	7	5	1	46				9
149	1	44	GC88 x B73Htrhm	S0 4877 x 4861/86	9	9	8	7	6	5	2	46	9	9	8	9
			Pioneer 3320?	(BORDER)	8	9	8	7	7	4	1	44				9
			B73Ht	(BORDER) Downing/85	6	7	5	2	2	1	1	24				9
			B73Ht	(BORDER) Downing/85	7	6	4	2	1	1	1	22				9
			MEANS		7	7	6	6	4	2	1					

Table 114. Experiment 46 1988 GLS test for Amarillo Dentado families over locations Andrews, N. C. and Mt. Jackson, Virginia

ENTRY	8/3	8/18	8/25	9/4	AVE. TOTAL 4 DATES	AVE. TOT. ALL DATES	PEDIGREE	SOURCE
1	7.0	6.5	6.5	5.5	25.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4275-01/87	
2	8.0	7.0	6.0	4.5	25.5	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4275-02/87	
3	5.0	6.5	6.0	4.0	21.5	26.5	A.DENT.2_S5_x_B73Htrhm_S2_4275-03/87	
4	8.0	7.5	7.0	6.0	28.5	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4275-04/87	
5	7.0	7.0	5.0	4.5	23.5	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4275-05/87	
6	7.0	6.5	5.0	4.0	22.5	28.0	A.DENT.2_S5_x_B73Htrhm_S2_4275-06/87	
7	8.0	7.0	6.0	4.0	25.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4275-07/87	
8	7.5	6.0	5.5	3.0	22.0	27.0	A.DENT.2_S5_x_B73Htrhm_S2_4275-08/87	
9	8.0	7.0	6.5	5.0	26.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4276-01/87	
10	8.0	7.0	6.5	3.5	25.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4276-02/87	
11	8.0	7.0	6.5	6.0	27.5	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4276-03/87	
12	8.0	7.0	7.0	5.5	27.5	34.5	A.DENT.2_S5_x_B73Htrhm_S2_4276-04/87	
13	8.0	7.0	6.0	5.0	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4276-05/87	
14	8.5	6.5	5.5	4.5	25.0	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4276-06/87	
15	7.5	5.5	4.0	2.5	19.5	24.0	A.DENT.2_S5_x_B73Htrhm_S2_4277-01/87	
16	7.5	6.0	5.0	3.0	21.5	27.5	A.DENT.2_S5_x_B73Htrhm_S2_4277-02/87	
17	7.0	6.0	4.5	3.0	20.5	26.0	A.DENT.2_S5_x_B73Htrhm_S2_4277-03/87	
18	7.5	7.0	6.5	5.5	26.5	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4277-04/87	
19	7.5	6.0	5.5	2.5	21.5	26.0	A.DENT.2_S5_x_B73Htrhm_S2_4277-05/87	
20	7.0	7.0	6.5	5.0	25.5	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4277-06/87	
21	8.0	8.0	7.5	6.5	30.0	38.0	A.DENT.2_S5_x_B73Htrhm_S2_4278-01/87	
22	6.5	5.5	5.0	3.5	20.5	26.0	A.DENT.2_S5_x_B73Htrhm_S2_4278-02/87	
23	7.5	7.0	6.0	5.0	25.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4278-03/87	
24	7.5	7.0	7.0	6.5	28.0	35.5	A.DENT.2_S5_x_B73Htrhm_S2_4278-04/87	
25	9.0	8.0	7.0	6.5	30.5	37.5	A.DENT.2_S5_x_B73Htrhm_S2_4278-05/87	
26	7.5	7.5	6.5	5.0	26.5	34.5	A.DENT.2_S5_x_B73Htrhm_S2_4278-06/87	
27	7.0	7.0	5.5	3.5	23.0	28.5	A.DENT.2_S5_x_B73Htrhm_S2_4278-07/87	
28	8.0	7.5	7.0	5.5	28.0	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4278-08/87	
29	9.0	7.5	7.5	6.0	30.0	36.5	A.DENT.2_S5_x_B73Htrhm_S2_4279-01/87	
30	9.0	7.0	6.5	5.5	28.0	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4279-02/87	
31	8.0	6.5	6.0	4.0	24.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4279-03/87	
32	8.5	7.0	6.0	3.5	25.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4279-04/87	
33	7.0	6.5	6.0	4.0	23.5	29.0	A.DENT.2_S5_x_B73Htrhm_S2_4279-05/87	
34	8.0	7.0	7.0	6.5	28.5	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4279-06/87	
35	7.5	5.5	5.5	3.0	21.5	26.5	A.DENT.2_S5_x_B73Htrhm_S2_4279-07/87	
36	7.0	7.5	7.5	6.5	28.5	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4279-08/87	
37	7.5	7.0	6.5	3.0	24.0	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4280-01/87	
38	8.5	7.5	7.5	6.0	29.5	35.5	A.DENT.2_S5_x_B73Htrhm_S2_4280-02/87	
39	7.5	7.5	6.5	5.5	27.0	33.0	A.DENT.2_S5_x_B73Htrhm_S2_4280-03/87	
40	7.5	7.5	7.5	5.5	28.0	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4280-04/87	
41	8.0	7.0	6.0	4.0	25.0	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4280-05/87	
42	7.0	7.0	6.0	4.5	24.5	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4280-06/87	
43	8.0	7.5	7.0	5.5	28.0	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4280-07/87	
44	7.5	7.0	7.0	5.0	26.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4280-08/87	
45	7.5	7.0	7.0	4.0	25.5	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-01/87	
46	7.5	6.5	6.5	4.0	24.5	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4281-02/87	
47	8.5	7.5	6.5	5.0	27.5	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4281-03/87	
48	8.5	7.5	7.0	5.5	28.5	36.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-04/87	
49	8.5	7.5	7.5	7.0	30.5	37.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-05/87	
50	7.5	7.0	6.5	5.5	26.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-06/87	
51	7.5	7.0	6.5	4.0	25.0	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-07/87	
52	8.0	7.0	6.5	4.5	26.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4281-08/87	
53	8.5	7.5	7.0	5.5	28.5	34.5	A.DENT.2_S5_x_B73Htrhm_S2_4282-01/87	

Table 114. Experiment 46 1988 GLS test for Amarillo Dentado families over locations Andrews, N. C. and Mt. Jackson, Virginia

ENTRY	8/3	8/18	8/25	9/4	AVE. TOTAL 4 DATES	AVE. TOT. ALL DATES	PEDIGREE	SOURCE
54	8.0	7.0	6.5	4.0	25.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4282-02/87	
55	7.0	7.0	7.0	5.0	26.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4282-03/87	
56	8.0	7.0	6.0	4.0	25.0	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4282-04/87	
57	7.5	6.0	6.0	4.0	23.5	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4282-05/87	
58	7.5	6.5	6.0	3.5	23.5	29.0	A.DENT.2_S5_x_B73Htrhm_S2_4282-06/87	
59	8.0	7.0	7.0	5.0	27.0	33.0	A.DENT.2_S5_x_B73Htrhm_S2_4282-07/87	
60	7.5	6.0	6.0	3.5	23.0	28.0	A.DENT.2_S5_x_B73Htrhm_S2_4283-01/87	
61	7.0	6.0	5.5	3.5	22.0	27.0	A.DENT.2_S5_x_B73Htrhm_S2_4283-02/87	
62	7.5	7.0	6.0	4.0	24.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4283-03/87	
63	7.5	7.0	6.5	5.0	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4283-04/87	
64	7.5	7.5	6.5	5.0	26.5	33.0	A.DENT.2_S5_x_B73Htrhm_S2_4283-05/87	
65	7.0	7.0	6.0	4.5	24.5	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4283-06/87	
66	8.0	7.0	6.5	4.0	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4283-07/87	
67	7.5	7.0	6.0	3.5	24.0	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4284-01/87	
68	7.5	6.5	6.5	5.0	25.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4284-02/87	
69	7.0	6.0	5.0	3.5	21.5	26.5	A.DENT.2_S5_x_B73Htrhm_S2_4284-03/87	
70	8.0	7.0	7.0	5.5	27.5	35.0	A.DENT.2_S5_x_B73Htrhm_S2_4284-04/87	
71	7.5	7.0	6.0	4.0	24.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4284-05/87	
72	8.0	7.0	6.0	4.5	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4284-06/87	
73	8.0	7.0	5.0	4.0	24.0	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4287-08/87	
74	7.5	7.5	6.0	4.0	25.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4285-01/87	
75	8.0	6.5	6.0	4.0	24.5	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4285-02/87	
76	7.5	7.0	6.0	4.5	25.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4285-03/87	
77	8.0	6.5	6.0	4.0	24.5	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4285-04/87	
78	8.5	7.0	6.0	4.0	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4285-05/87	
79	8.0	7.0	6.5	4.5	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4285-06/87	
80	8.0	7.0	6.0	5.0	26.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4285-07/87	
81	8.0	7.5	7.0	5.5	28.0	34.5	A.DENT.2_S5_x_B73Htrhm_S2_4286-01/87	
82	8.0	7.0	7.0	4.5	26.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4286-02/87	
83	7.5	7.0	7.0	3.5	25.0	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4286-03/87	
84	8.0	7.0	7.0	4.5	26.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4286-04/87	
85	7.0	6.5	4.5	2.5	20.5	25.5	A.DENT.2_S5_x_B73Htrhm_S2_4286-05/87	
86	7.5	7.0	6.5	4.5	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4287-01/87	
87	8.0	7.0	6.0	4.0	25.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4287-02/87	
88	8.5	7.5	7.5	6.5	30.0	37.0	A.DENT.2_S5_x_B73Htrhm_S2_4287-03/87	
89	8.0	7.0	6.5	4.0	25.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4287-04/87	
90	8.0	7.5	7.0	4.5	27.0	34.0	A.DENT.2_S5_x_B73Htrhm_S2_4287-05/87	
91	8.0	7.0	7.0	4.0	26.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4287-06/87	
92	7.5	7.0	7.0	5.0	26.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4287-07/87	
93	7.5	6.5	6.0	3.5	23.5	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4288-01/87	
94	7.5	7.0	6.0	3.0	23.5	29.0	A.DENT.2_S5_x_B73Htrhm_S2_4288-02/87	
95	7.5	7.0	7.0	4.5	26.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4288-03/87	
96	7.5	7.0	6.5	3.0	24.0	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4288-04/87	
97	8.0	7.0	6.5	5.5	27.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4288-05/87	
98	8.0	7.0	7.0	5.0	27.0	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4288-06/87	
99	8.0	7.5	7.0	5.0	27.5	33.0	A.DENT.2_S5_x_B73Htrhm_S2_4288-07/87	
100	8.0	7.0	6.5	4.5	26.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4289-01/87	
101	7.0	7.0	7.0	5.0	26.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4289-02/87	
102	6.5	5.0	4.5	2.5	18.5	23.5	A.DENT.2_S5_x_B73Htrhm_S2_4289-03/87	
103	8.0	7.0	6.5	4.5	26.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4289-04/87	
104	8.0	7.0	6.5	4.5	26.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4289-05/87	
105	8.0	7.5	7.0	4.0	26.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4289-06/87	
106	7.5	7.0	6.0	4.0	24.5	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4289-07/87	

Table 114. Experiment 46 1988 GLS test for Amarillo Dentado families over locations Andrews, N. C. and Mt. Jackson, Virginia

ENTRY	8/3	8/18	8/25	9/4	AVE. TOTAL 4 DATES	AVE. TOT. ALL DATES	PEDIGREE	SOURCE
107	8.5	7.5	7.0	4.5	27.5	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4290-01/87	
108	8.0	7.0	7.0	4.5	26.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4290-02/87	
109	8.0	7.0	6.5	4.0	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4290-03/87	
110	8.5	7.0	7.0	5.0	27.5	34.0	A.DENT.2_S5_x_B73Htrhm_S2_4290-04/87	
111	8.0	7.0	6.5	4.5	26.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4290-05/87	
112	8.5	7.0	6.0	4.0	25.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4290-06/87	
113	8.0	7.0	6.0	4.5	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4290-07/87	
114	7.0	6.0	5.0	3.0	21.0	26.5	A.DENT.2_S5_x_B73Htrhm_S2_4291-01/87	
115	7.5	7.0	6.0	4.5	25.0	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4291-02/87	
116	7.0	6.5	5.0	3.5	22.0	27.0	A.DENT.2_S5_x_B73Htrhm_S2_4291-03/87	
117	7.5	7.0	7.0	5.0	26.5	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4291-04/87	
118	7.5	7.0	7.0	5.0	26.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4291-05/87	
119	8.0	7.5	7.0	5.5	28.0	35.5	A.DENT.2_S5_x_B73Htrhm_S2_4291-06/87	
120	8.0	7.0	6.0	4.5	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4291-07/87	
121	7.5	6.5	6.0	3.5	23.5	29.0	A.DENT.2_S5_x_B73Htrhm_S2_4292-01/87	
122	8.5	7.5	7.5	6.0	29.5	36.0	A.DENT.2_S5_x_B73Htrhm_S2_4292-02/87	
123	8.0	7.0	6.5	4.0	25.5	31.0	A.DENT.2_S5_x_B73Htrhm_S2_4292-03/87	
124	7.0	7.0	6.5	4.0	24.5	29.5	A.DENT.2_S5_x_B73Htrhm_S2_4292-04/87	
125	8.0	7.5	7.5	6.0	29.0	36.5	A.DENT.2_S5_x_B73Htrhm_S2_4292-05/87	
126	8.0	7.0	6.5	5.5	27.0	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4292-06/87	
127	7.0	6.5	6.0	4.0	23.5	29.0	A.DENT.2_S5_x_B73Htrhm_S2_4292-07/87	
128	8.0	6.5	6.5	4.5	25.5	32.5	A.DENT.2_S5_x_B73Htrhm_S2_4293-01/87	
129	7.5	7.0	7.0	4.5	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4293-02/87	
130	7.0	6.5	6.0	3.0	22.5	28.0	A.DENT.2_S5_x_B73Htrhm_S2_4293-03/87	
131	7.5	7.0	6.5	5.0	26.0	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4293-04/87	
132	8.0	7.0	6.0	3.5	24.5	30.0	A.DENT.2_S5_x_B73Htrhm_S2_4293-05/87	
133	8.0	7.0	7.0	5.0	27.0	34.0	A.DENT.2_S5_x_B73Htrhm_S2_4293-06/87	
134	8.5	7.0	6.5	4.0	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4293-07/87	
135	7.5	7.0	6.5	4.5	25.5	31.5	A.DENT.2_S5_x_B73Htrhm_S2_4294-01/87	
136	8.5	7.0	7.0	4.5	27.0	33.5	A.DENT.2_S5_x_B73Htrhm_S2_4294-02/87	
137	9.0	7.0	6.0	4.0	26.0	32.0	A.DENT.2_S5_x_B73Htrhm_S2_4294-03/87	
138	7.5	6.0	6.0	3.0	22.5	28.5	A.DENT.2_S5_x_B73Htrhm_S2_4294-04/87	
139	8.5	7.0	7.0	5.5	28.0	34.5	A.DENT.2_S5_x_B73Htrhm_S2_4294-05/87	
140	7.5	7.0	6.0	4.0	24.5	30.5	A.DENT.2_S5_x_B73Htrhm_S2_4294-06/87	
141	8.0	8.0	7.5	7.5	31.0	37.5	A.DENT.2_____4225/87___	
142	8.0	8.0	8.0	6.0	30.0	36.5	A.DENT.2_____4225/87___	
143	8.5	8.0	7.5	6.5	30.5	37.0	A.DENT.2_____4225/87___	
144	7.0	4.5	4.0	2.5	18.0	22.5	B73Htrhm_____Bergquist/86	
145	7.0	3.5	3.5	1.5	15.5	20.0	B73Htrhm_____Bergquist/86	
146	7.0	5.0	4.0	2.0	18.0	23.0	B73Htrhm_____Bergquist/86	
147	9.0	8.0	8.0	6.5	31.5	39.0	A.DENT.2_S5xB73Htrhm_S0_4885x4861/86	
148	9.0	8.0	8.0	7.0	32.0	39.0	A.DENT.2_S5xB73Htrhm_S0_4885x4861/86	
149	9.0	7.5	7.5	5.5	29.5	38.0	A.DENT.2_S5xB73Htrhm_S0_4885x4861/86	
	7.8	6.9	6.4	4.5	25.5	31.5	MEANS	
	8.8	7.9	10.9	21.4	7.1	7.2	C. V. %	
	1.3	1.1	1.4	1.9	3.6	4.5	LSD (.05)	
	.47	.29	.48	.94	3.31	5.2	MS ERR (df=148)	
	12.9	.48	4.1	90.2	50.1	14102	MS LOC (df=1)	
	.67	.81	1.3	2.5	14,7	21.3	MS ENT (df=148)	

Table 115. Experiment 46 Andrews, N.C. 1988 GLS test for Amarillo Dentado families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/25	9/14	10/17	10/10	TOTAL	EAR HT	APP	KCK	EAR Q	LOD G
001	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-01/87	7	8	7	7	6	5	1	41	125	8	8	6	9
002	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-02/87	8	7	7	6	4	3	1	36	115	_	1	_	9
003	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-03/87	5	6	7	6	5	3	1	33	110	_	7	_	9
004	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-04/87	8	9	7	7	7	3	1	42	110	8	6	7	9
005	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-05/87	7	8	7	6	5	3	1	37	130	_	9	_	9
006	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-06/87	7	7	6	6	5	3	1	35	090	_	2	_	9
007	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-07/87	8	8	7	7	5	3	1	39	120	_	7	_	9
008	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4275-08/87	7	8	6	5	3	1	1	31	080	_	6	_	9
009	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-01/87	8	7	7	6	6	4	1	39	120	8	9	6	9
010	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-02/87	8	8	7	6	4	3	1	37	110	_	5	_	9
011	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-03/87	8	7	7	6	6	4	1	39	110	7	8	7	9
012	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-04/87	9	8	7	7	6	5	1	43	135	8	9	6	9
013	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-05/87	8	8	7	7	5	3	1	39	130	_	8	_	9
014	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4276-06/87	8	8	7	7	6	2	1	39	110	_	3	_	9
015	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-01/87	7	7	6	5	3	1	1	30	105	_	3	_	9
016	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-02/87	7	8	6	6	4	3	1	35	120	_	9	_	9
017	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-03/87	7	8	7	6	4	2	1	35	090	_	1	_	9
018	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-04/87	8	8	7	7	7	5	1	43	095	8	7	6	9
019	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-05/87	7	7	6	6	2	1	1	30	110	_	6	_	9
020	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4277-06/87	7	8	7	6	4	2	1	35	080	_	2	_	9
021	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-01/87	8	9	8	8	7	5	2	47	110	9	9	8	9
022	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-02/87	6	7	6	6	4	3	1	33	090	_	8	_	9
023	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-03/87	7	7	7	5	4	2	1	33	105	_	6	_	9
024	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-04/87	8	8	7	7	7	5	2	44	120	7	5	6	9
025	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-05/87	9	9	8	7	6	4	1	44	115	7	9	3	9
026	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-06/87	8	9	8	7	7	5	2	46	125	7	9	6	9
027	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-07/87	7	7	7	6	5	3	1	36	110	_	7	_	9
028	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4278-08/87	8	8	7	7	6	5	1	42	120	8	8	6	9
029	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-01/87	9	9	7	8	7	3	1	44	115	8	7	7	9
030	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-02/87	9	8	7	7	6	2	1	40	115	_	1	_	9
031	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-03/87	8	8	7	7	5	3	1	39	120	_	2	_	9
032	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-04/87	8	8	7	6	4	3	1	37	130	_	8	_	9
033	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-05/87	7	7	6	6	4	3	1	34	120	_	5	_	9
034	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-06/87	8	8	7	7	7	4	1	42	120	7	5	5	9
035	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-07/87	7	8	6	6	3	1	1	32	120	_	4	_	9
036	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4279-08/87	8	8	7	7	6	1	1	38	110	_	1	_	9
037	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-01/87	8	8	7	7	4	2	1	37	120	_	2	_	9
038	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-02/87	9	9	7	8	7	2	1	43	105	8	4	6	9
039	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-03/87	8	8	7	6	5	3	1	38	120	_	9	_	9
040	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-04/87	9	9	8	8	7	4	1	46	120	8	7	7	9
041	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-05/87	9	8	7	6	4	2	1	37	110	_	1	_	9
042	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-06/87	7	8	7	6	6	2	1	37	110	_	1	_	9
043	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-07/87	8	9	7	7	6	4	1	42	140	8	7	7	9
044	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4280-08/87	8	8	7	7	4	1	1	36	115	_	1	_	9
045	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-01/87	8	8	7	7	5	2	1	38	090	_	1	_	9
046	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-02/87	8	7	7	7	5	2	1	37	100	_	1	_	9
047	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-03/87	9	8	7	7	5	3	1	40	125	_	3	_	9
048	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-04/87	9	9	8	7	6	5	1	45	145	8	6	6	9
049	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-05/87	9	8	7	7	7	4	1	43	110	8	7	7	9
050	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-06/87	8	8	7	6	5	2	1	37	115	_	3	_	9
051	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-07/87	8	7	7	6	5	2	1	36	085	_	1	_	9

Table 115. Experiment 46 Andrews, N.C. 1988 GLS test for Amarillo Dentado families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/3	8/12	8/28	8/54	9/47	9/10	10/11	TOTAL	EAR HT	PAP	KIC K	EAR QL	LOD G
052	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4281-08/87	8	7	7	7	6	2	1	38	140		4		9
053	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-01/87	8	8	7	7	7	3	1	41	115	7	4	5	9
054	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-02/87	9	8	7	6	4	1	1	36	115		5		9
055	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-03/87	7	7	7	7	5	3	1	37	110		2		9
056	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-04/87	9	7	7	6	5	3	1	38	120		6		9
057	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-05/87	7	8	7	6	5	3	1	37	130		4		9
058	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-06/87	8	8	7	6	3	2	1	35	125		8		9
059	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4282-07/87	8	8	7	7	5	3	1	39	130		4		9
060	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-01/87	8	8	6	6	5	1	1	35	145		4		9
061	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-02/87	7	7	6	5	3	2	1	31	125		4		9
062	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-03/87	8	8	7	6	5	3	1	38	120		7		9
063	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-04/87	8	7	7	7	5	4	1	39	140		8		9
064	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-05/87	8	8	7	6	6	4	1	40	130	8	7	7	9
065	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-06/87	7	8	7	6	5	2	1	36	100		2		9
066	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4283-07/87	8	8	7	7	5	3	1	39	115		2		9
067	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-01/87	8	8	7	6	4	2	1	36	100		4		9
068	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-02/87	7	8	6	6	5	4	1	37	135		6		9
069	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-03/87	7	7	6	5	4	2	1	32	110		6		9
070	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-04/87	9	8	7	7	6	5	2	44	130	7	9	6	9
071	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-05/87	8	8	7	6	5	3	1	38	115		1		9
072	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4284-06/87	9	9	7	6	6	2	1	40	130		5		9
073	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-08/87	9	8	8	6	5	2	1	39	120		4		9
074	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-01/87	8	9	8	7	5	3	1	41	140		9		9
075	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-02/87	8	8	7	6	5	4	1	39	125		8		9
076	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-03/87	7	8	7	6	5	4	1	38	120		8		9
077	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-04/87	8	8	6	6	5	2	1	36	120		5		9
078	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-05/87	8	8	7	6	5	3	1	38	120		1		9
079	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-06/87	8	8	7	7	5	3	1	39	100		5		8
080	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4285-07/87	9	8	7	6	5	2	1	38	120		4		9
081	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4286-01/87	9	8	7	7	5	4	1	41	130		8		9
082	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4286-02/87	8	7	7	7	5	3	1	38	150		9		9
083	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4286-03/87	8	8	7	7	4	1	1	36	120		5		9
084	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4286-04/87	9	8	7	7	5	3	1	40	120		5		9
085	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4286-05/87	7	7	6	5	3	2	1	31	135		1		9
086	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-01/87	7	8	7	7	6	3	1	39	130		1		9
087	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-02/87	8	8	7	7	5	3	1	39	100		5		9
088	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-03/87	9	8	7	8	7	5	1	45	120	8	7	6	9
089	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-04/87	9	8	7	7	6	4	1	42	110	7	8	6	9
090	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-05/87	8	8	7	7	6	4	2	42	135	7	7	5	9
091	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-06/87	9	8	7	7	5	4	1	41	110		8		9
092	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4287-07/87	8	8	7	7	5	3	1	39	145		8		9
093	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-01/87	8	8	7	6	5	3	1	38	115		8		9
094	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-02/87	8	8	7	6	4	2	1	36	120		7		9
095	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-03/87	8	8	7	7	6	4	1	41	120	7	9	5	9
096	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-04/87	8	8	7	6	4	2	1	36	130		8		9
097	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-05/87	8	8	7	6	5	2	1	37	125		3		9
098	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-06/87	8	9	7	7	6	3	1	41	100		8		9
099	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4288-07/87	9	8	7	7	5	2	1	39	125		6		9
100	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-01/87	8	9	7	7	6	3	1	41	140		8		9
101	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-02/87	7	8	7	7	5	2	1	37	110		6		9
102	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-03/87	7	7	6	5	3	2	1	31	100		4		9

Table 115. Experiment 46 Andrews, N.C. 1988 GLS test for Amarillo Dentado families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/54	9/70	10/11	TOTAL	EARHT	APP	KIRBY CK	EAR QUAL	LODG
103	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-04/87	8	8	7	7	6	4	1	41	120	8	8	6	9
104	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-05/87	8	8	7	6	5	4	1	39	140	_	6	_	9
105	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-06/87	9	8	8	7	4	2	1	39	090	_	6	_	9
106	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4289-07/87	8	8	7	6	4	2	1	36	125	_	4	_	9
107	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-01/87	9	8	7	7	6	3	1	41	145	_	8	_	9
108	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-02/87	7	7	7	7	5	3	1	37	160	_	7	_	9
109	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-03/87	8	8	7	6	4	3	1	37	100	_	9	_	9
110	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-04/87	9	8	7	7	6	4	1	42	130	8	4	5	8
111	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-05/87	8	8	7	6	5	2	1	37	115	_	7	_	9
112	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-06/87	8	8	7	6	5	4	1	39	150	_	9	_	9
113	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4290-07/87	9	8	7	6	5	3	1	39	100	_	3	_	9
114	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-01/87	7	8	6	5	3	2	1	32	080	_	2	_	9
115	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-02/87	8	8	7	6	5	3	1	38	110	_	8	_	9
116	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-03/87	7	7	6	4	3	2	1	30	100	_	4	_	9
117	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-04/87	7	8	7	7	5	2	1	37	110	_	2	_	9
118	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-05/87	8	8	7	7	5	3	1	39	125	_	5	_	9
119	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-06/87	9	9	8	8	7	5	1	47	095	7	7	7	9
120	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4291-07/87	9	8	7	6	6	3	1	40	115	_	3	_	9
121	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-01/87	7	7	6	6	4	3	1	34	120	_	7	_	9
122	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-02/87	9	8	8	8	6	4	1	44	110	7	9	6	9
123	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-03/87	8	8	7	6	4	2	1	36	105	_	1	_	9
124	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-04/87	7	7	7	6	4	2	1	34	115	_	9	_	9
125	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-05/87	8	8	8	8	7	5	2	46	135	8	8	7	9
126	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-06/87	8	8	7	6	4	2	1	36	090	_	8	_	9
127	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4292-07/87	7	7	7	6	5	3	1	36	130	_	7	_	9
128	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-01/87	7	8	7	7	6	5	1	41	110	7	7	6	9
129	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-02/87	8	8	7	7	5	3	1	39	090	_	5	_	9
130	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-03/87	7	8	6	6	4	2	1	34	115	_	4	_	9
131	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-04/87	7	7	7	6	4	3	1	35	095	_	6	_	9
132	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-05/87	9	8	7	6	4	2	1	37	115	_	1	_	9
133	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-06/87	9	8	7	7	6	5	1	43	120	7	2	4	9
134	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4293-07/87	9	9	7	7	5	2	1	40	105	_	1	_	9
135	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-01/87	8	8	7	6	5	3	1	38	110	_	7	_	9
136	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-02/87	9	9	7	7	5	3	1	41	130	_	3	_	9
137	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-03/87	9	8	7	6	5	3	1	39	120	_	5	_	9
138	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-04/87	7	8	6	6	4	3	1	35	125	_	3	_	9
139	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-05/87	8	8	7	6	6	4	1	40	140	8	7	7	9
140	1	46	A.DENT.2_S5_x_B73Htrhm	S2_4294-06/87	8	8	7	6	4	3	1	37	105	_	8	_	9
141	1	46	A.DENT.2	4225/87	8	9	7	7	6	3	1	41	100	_	6	_	9
142	1	46	A.DENT.2	4225/87	9	8	8	8	7	4	1	45	115	_	3	_	9
143	1	46	A.DENT.2	4225/87	9	8	8	7	7	4	1	44	110	_	2	_	9
144	1	46	B73Htrhm	Bergquist/86	7	7	6	5	3	1	1	30	090	_	5	_	8
145	1	46	B73Htrhm	Bergquist/86	7	7	5	5	2	1	1	28	080	_	4	_	9
146	1	46	B73Htrhm	Bergquist/86	7	8	6	5	2	1	1	30	085	_	1	_	9
147	1	46	A.DENT.2_S5xB73Htrhm_S0	4885_x_4861/86	9	9	8	8	7	5	1	47	120	9	9	9	9
148	1	46	A.DENT.2_S5xB73Htrhm_S0	4885_x_4861/86	9	8	8	8	7	5	1	46	120	_	1	_	9
149	1	46	A.DENT.2_S5xB73Htrhm_S0	4885_x_4861/86	9	9	8	8	7	6	2	49	115	8	4	8	9
			B73Ht (BORDER)	Downing/85	6	6	5	3	1	1	1	23	080	_	1	_	6
			B73Ht (BORDER)	Downing/85	7	7	5	5	2	1	1	28	080	_	2	_	9
			B73Ht (BORDER)	Downing/85	7	7	6	3	1	1	1	26	085	_	1	_	7
			MEANS		8	8	7	6	5	3	1						

Table 116. Experiment 46 Mt. Jackson, Va. 1988 GLS test for Amarillo Dentado families.

			DISEASE SCORES						
ENTRY	REP	EXPT	8/7	8/17	8/24	9/1	TOTAL	PEDIGREE	SOURCE
001	2	46	7	6	6	5	24	A.DENT.2_S5_X_B73Htrhm	S2_4275-01/87
002	2	46	8	7	6	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4275-02/87
003	2	46	5	6	6	3	20	A.DENT.2_S5_X_B73Htrhm	S2_4275-03/87
004	2	46	8	8	7	5	28	A.DENT.2_S5_X_B73Htrhm	S2_4275-04/87
005	2	46	7	7	4	4	22	A.DENT.2_S5_X_B73Htrhm	S2_4275-05/87
006	2	46	7	7	4	3	21	A.DENT.2_S5_X_B73Htrhm	S2_4275-06/87
007	2	46	8	7	5	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4275-07/87
008	2	46	8	6	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4275-08/87
009	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4276-01/87_SOS
010	2	46	8	7	7	3	25	A.DENT.2_S5_X_B73Htrhm	S2_4276-02/87
011	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4276-03/87
012	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4276-04/87
013	2	46	8	7	5	5	25	A.DENT.2_S5_X_B73Htrhm	S2_4276-05/87
014	2	46	9	6	4	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4276-06/87
015	2	46	8	5	3	2	18	A.DENT.2_S5_X_B73Htrhm	S2_4277-01/87_SOS
016	2	46	8	6	4	2	20	A.DENT.2_S5_X_B73Htrhm	S2_4277-02/87
017	2	46	7	5	3	2	17	A.DENT.2_S5_X_B73Htrhm	S2_4277-03/87
018	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4277-04/87
019	2	46	8	6	5	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4277-05/87
020	2	46	7	7	7	6	27	A.DENT.2_S5_X_B73Htrhm	S2_4277-06/87
021	2	46	8	8	7	6	29	A.DENT.2_S5_X_B73Htrhm	S2_4278-01/87
022	2	46	7	5	4	3	19	A.DENT.2_S5_X_B73Htrhm	S2_4278-02/87_SOS
023	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4278-03/87_SOS
024	2	46	7	7	7	6	27	A.DENT.2_S5_X_B73Htrhm	S2_4278-04/87
025	2	46	9	8	7	7	31	A.DENT.2_S5_X_B73Htrhm	S2_4278-05/87
026	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4278-06/87
027	2	46	7	7	5	2	21	A.DENT.2_S5_X_B73Htrhm	S2_4278-07/87
028	2	46	8	8	7	5	28	A.DENT.2_S5_X_B73Htrhm	S2_4278-08/87
029	2	46	9	8	7	5	29	A.DENT.2_S5_X_B73Htrhm	S2_4279-01/87
030	2	46	9	7	6	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4279-02/87_SOS
031	2	46	8	6	5	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4279-03/87
032	2	46	9	7	6	3	25	A.DENT.2_S5_X_B73Htrhm	S2_4279-04/87
033	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4279-05/87
034	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4279-06/87
035	2	46	8	5	5	3	21	A.DENT.2_S5_X_B73Htrhm	S2_4279-07/87
036	2	46	6	8	8	7	29	A.DENT.2_S5_X_B73Htrhm	S2_4279-08/87
037	2	46	7	7	6	2	22	A.DENT.2_S5_X_B73Htrhm	S2_4280-01/87
038	2	46	8	8	7	5	28	A.DENT.2_S5_X_B73Htrhm	S2_4280-02/87
039	2	46	7	8	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4280-03/87
040	2	46	6	7	7	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4280-04/87
041	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4280-05/87
042	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4280-06/87
043	2	46	8	8	7	5	28	A.DENT.2_S5_X_B73Htrhm	S2_4280-07/87
044	2	46	7	7	7	6	27	A.DENT.2_S5_X_B73Htrhm	S2_4280-08/87
045	2	46	7	7	7	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4281-01/87
046	2	46	7	6	6	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4281-02/87
047	2	46	8	8	6	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4281-03/87
048	2	46	8	7	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4281-04/87
049	2	46	8	8	8	7	31	A.DENT.2_S5_X_B73Htrhm	S2_4281-05/87
050	2	46	7	7	7	6	27	A.DENT.2_S5_X_B73Htrhm	S2_4281-06/87
051	2	46	7	7	7	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4281-07/87

Table 116. Experiment 46 Mt. Jackson, Va. 1988 GLS test for Amarillo Dentado families.

ENTRY	REP	EXPT	DISEASE SCORES 8/7	8/17	8/24	9/1	TOTAL	PEDIGREE	SOURCE
052	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4281-08/87
053	2	46	9	8	7	4	28	A.DENT.2_S5_X_B73Htrhm	S2_4282-01/87
054	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4282-02/87
055	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4282-03/87
056	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4282-04/87
057	2	46	8	5	6	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4282-05/87
058	2	46	7	6	6	4	23	A.DENT.2_S5_X_B73Htrhm	S2_4282-06/87
059	2	46	8	7	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4282-07/87
060	2	46	7	6	6	2	21	A.DENT.2_S5_X_B73Htrhm	S2_4283-01/87
061	2	46	7	6	6	4	23	A.DENT.2_S5_X_B73Htrhm	S2_4283-02/87
062	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4283-03/87
063	2	46	7	7	6	5	25	A.DENT.2_S5_X_B73Htrhm	S2_4283-04/87
064	2	46	7	8	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4283-05/87_SOS
065	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4283-06/87_SOS
066	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4283-07/87
067	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4284-01/87
068	2	46	8	7	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4284-02/87
069	2	46	7	6	5	3	21	A.DENT.2_S5_X_B73Htrhm	S2_4284-03/87_SOS
070	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4284-04/87
071	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4284-05/87
072	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4284-06/87
073	2	46	7	6	4	3	20	A.DENT.2_S5_X_B73Htrhm	S2_4287-08/87
074	2	46	7	7	5	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4285-01/87
075	2	46	8	6	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4285-02/87
076	2	46	8	7	6	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4285-03/87
077	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4285-04/87
078	2	46	9	7	6	3	25	A.DENT.2_S5_X_B73Htrhm	S2_4285-05/87
079	2	46	8	7	6	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4285-06/87
080	2	46	7	7	6	5	25	A.DENT.2_S5_X_B73Htrhm	S2_4285-07/87
081	2	46	7	8	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4286-01/87
082	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4286-02/87
083	2	46	7	7	7	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4286-03/87
084	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4286-04/87
085	2	46	7	7	4	2	20	A.DENT.2_S5_X_B73Htrhm	S2_4286-05/87
086	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4287-01/87
087	2	46	8	7	5	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4287-02/87
088	2	46	8	8	7	6	29	A.DENT.2_S5_X_B73Htrhm	S2_4287-03/87
089	2	46	7	7	6	2	22	A.DENT.2_S5_X_B73Htrhm	S2_4287-04/87
090	2	46	8	8	7	3	26	A.DENT.2_S5_X_B73Htrhm	S2_4287-05/87
091	2	46	7	7	7	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4287-06/87
092	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4287-07/87_SOS
093	2	46	7	6	6	2	21	A.DENT.2_S5_X_B73Htrhm	S2_4288-01/87
094	2	46	7	7	6	2	22	A.DENT.2_S5_X_B73Htrhm	S2_4288-02/87
095	2	46	7	7	7	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4288-03/87
096	2	46	7	7	7	2	23	A.DENT.2_S5_X_B73Htrhm	S2_4288-04/87
097	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4288-05/87
098	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4288-06/87
099	2	46	7	8	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4288-07/87
100	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4289-01/87
101	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4289-02/87
102	2	46	6	4	4	2	16	A.DENT.2_S5_X_B73Htrhm	S2_4289-03/87_SOS

Table 116. Experiment 46 Mt. Jackson, Va. 1988 GLS test for Amarillo Dentado families.

ENTRY	REP	EXPT	DISEASE SCORES 8/7	8/17	8/24	9/1	TOTAL	PEDIGREE	SOURCE
103	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4289-04/87
104	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4289-05/87_SOS
105	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4289-06/87
106	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4289-07/87
107	2	46	8	8	7	3	26	A.DENT.2_S5_X_B73Htrhm	S2_4290-01/87
108	2	46	9	7	7	4	27	A.DENT.2_S5_X_B73Htrhm	S2_4290-02/87
109	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4290-03/87
110	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4290-04/87
111	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4290-05/87
112	2	46	9	7	6	3	25	A.DENT.2_S5_X_B73Htrhm	S2_4290-06/87
113	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4290-07/87
114	2	46	7	6	5	3	21	A.DENT.2_S5_X_B73Htrhm	S2_4291-01/87
115	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4291-02/87
116	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4291-03/87
117	2	46	8	7	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4291-04/87
118	2	46	7	7	7	5	26	A.DENT.2_S5_X_B73Htrhm	S2_4291-05/87
119	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4291-06/87
120	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4291-07/87
121	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4292-01/87
122	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4292-02/87
123	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4292-03/87
124	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4292-04/87
125	2	46	8	7	7	5	27	A.DENT.2_S5_X_B73Htrhm	S2_4292-05/87
126	2	46	8	7	7	7	29	A.DENT.2_S5_X_B73Htrhm	S2_4292-06/87
127	2	46	7	6	6	3	22	A.DENT.2_S5_X_B73Htrhm	S2_4292-07/87
128	2	46	9	6	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4293-01/87
129	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4293-02/87
130	2	46	7	7	6	2	22	A.DENT.2_S5_X_B73Htrhm	S2_4293-03/87
131	2	46	8	7	7	6	28	A.DENT.2_S5_X_B73Htrhm	S2_4293-04/87
132	2	46	7	7	6	3	23	A.DENT.2_S5_X_B73Htrhm	S2_4293-05/87
133	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4293-06/87
134	2	46	8	7	6	3	24	A.DENT.2_S5_X_B73Htrhm	S2_4293-07/87
135	2	46	7	7	7	4	25	A.DENT.2_S5_X_B73Htrhm	S2_4294-01/87
136	2	46	8	7	7	4	26	A.DENT.2_S5_X_B73Htrhm	S2_4294-02/87
137	2	46	9	7	6	3	25	A.DENT.2_S5_X_B73Htrhm	S2_4294-03/87
138	2	46	8	6	6	2	22	A.DENT.2_S5_X_B73Htrhm	S2_4294-04/87
139	2	46	9	7	8	5	29	A.DENT.2_S5_X_B73Htrhm	S2_4294-05/87
140	2	46	7	7	6	4	24	A.DENT.2_S5_X_B73Htrhm	S2_4294-06/87
141	2	46	8	9	8	9	34	A.DENT.2	4225/87
142	2	46	7	8	8	5	28	A.DENT.2	4225/87
143	2	46	8	8	8	6	30	A.DENT.2	4225/87
144	2	46	7	3	3	2	15	B73Htrhm	Bergquist/86
145	2	46	7	2	2	1	12	B73Htrhm	Bergquist/86
146	2	46	7	4	3	2	16	B73Htrhm	Bergquist/86
147	2	46	9	8	8	6	31	A.DENT.2_S5_X_B73Htrhm	S0_4885_X_4861/86
148	2	46	9	8	8	7	32	A.DENT.2_S5_X_B73Htrhm	S0_4885_X_4861/86
149	2	46	9	7	7	4	27	A.DENT.2_S5_X_B73Htrhm	S0_4885_X_4861/86
			7.5	6.9	6.2	4.0	24.6	MEANS	

Table 117. Experiment 47 Andrews, N.C. 1988 GLS test for Tuxpeno(B14A.A632) families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/28	8/28	9/54	9/17	10/10	TOTAL	AP	KPC	EIA	LOD	G
001	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-01/87	8	7	7	6	5	2	1	36				9
002	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-02/87	6	6	5	3	2	1	1	24				9
003	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-03/87	7	6	4	3	1	1	1	23				9
004	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-04/87	7	7	7	6	4	3	1	35				9
005	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-05/87	6	6	6	5	2	1	1	27				9
006	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-06/87	8	8	7	5	4	2	1	35				9
007	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-07/87	6	6	5	5	3	1	1	27				9
008	1	47	Tx_F6S1_x_B73Htrhm	S2_4295-08/87	8	6	7	6	4	3	2	36	8	7	6	9
009	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-01/87	7	7	6	6	5	3	1	35				9
010	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-02/87	6	6	6	4	2	1	1	26				9
011	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-03/87	7	6	7	6	4	1	1	32				9
012	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-04/87	7	7	6	6	4	2	1	33				9
013	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-05/87	8	7	7	6	4	2	1	35				9
014	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-06/87	7	7	7	6	4	3	1	35				9
015	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-07/87	8	7	7	7	7	3	1	40	7	5	5	9
016	1	47	Tx_F6S1_x_B73Htrhm	S2_4296-08/87	9	8	7	7	7	5	1	44	8	8	6	9
017	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-01/87	7	8	7	7	4	3	1	37				9
018	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-02/87	7	7	7	6	5	2	1	35				9
019	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-03/87	8	8	7	7	7	5	2	44	7	8	7	9
020	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-04/87	7	6	6	5	4	2	1	31				9
021	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-05/87	7	6	6	5	3	2	1	30				9
022	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-06/87	8	7	7	6	4	3	1	36				9
023	1	47	Tx_F6S1_x_B73Htrhm	S2_4297-07/87	7	7	6	6	4	3	1	34				9
024	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-01/87	8	6	7	6	4	2	1	34				9
025	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-02/87	7	7	6	4	2	1	1	28				9
026	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-03/87	7	6	7	4	2	2	1	29				9
027	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-04/87	8	7	7	7	7	5	2	43	8	9	7	9
028	1	47	Tx_F6S1_X_B73Htrhm	S2_4298-05/87	7	8	7	7	4	1	1	35				9
029	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-06/87	7	6	6	4	2	1	1	27				9
030	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-07/87	7	7	7	6	5	4	1	37				9
031	1	47	Tx_F6S1_x_B73Htrhm	S2_4298-08/87	8	7	7	6	4	2	1	35				9
032	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-01/87	8	6	7	6	5	3	1	36				9
033	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-02/87	7	7	7	6	5	2	1	35				9
034	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-03/87	7	6	6	6	4	2	1	32				9
035	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-04/87	7	7	7	6	5	3	1	36				9
036	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-05/87	7	6	7	6	5	3	1	35				9
037	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-06/87	6	6	7	4	2	1	1	27				9
038	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-07/87	7	7	6	5	4	2	1	32				9
039	1	47	Tx_F6S1_x_B73Htrhm	S2_4299-08/87	7	6	7	6	5	4	1	36				9
040	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-01/87	7	8	7	6	4	2	1	35				9
041	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-02/87	7	7	7	6	4	3	1	35				9
042	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-03/87	7	7	7	6	5	4	1	37				9
043	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-04/87	7	7	6	6	5	4	1	36				9
044	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-05/87	8	7	7	5	3	2	1	33				9
045	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-06/87	7	6	7	6	6	5	1	38	8	9	7	9
046	1	47	Tx_F6S1_x_B73Htrhm	S2_4300-07/87	7	7	7	6	4	2	1	34				9
047	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-01/87	7	6	6	5	4	2	1	31				9
048	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-02/87	7	7	7	6	4	1	1	33				9
049	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-03/87	7	6	7	6	4	2	1	33				9
050	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-04/87	7	7	7	6	4	2	1	34				9
051	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-05/87	7	6	7	5	4	2	1	32				9

Table 117. Experiment 47 Andrews, N.C. 1988 GLS test for Tuxpeno(B14A.A632) families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/15	9/14	9/17	10/10	TOTAL	KAPP	KAPC	KAPK	KAPQ	LODG
052	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-06/87	7	6	7	6	5	2	1	34				9
053	1	47	Tx_F6S1_x_B73Htrhm	S2_4301-07/87	7	6	6	5	5	4	1	34				9
054	1	47	Tx_F6S1_x_B73Htrhm	S2_4302-01/87	7	6	7	6	5	3	1	35				9
055	1	47	Tx_F6S1_x_B73Htrhm	S2_4302-02/87	7	7	7	6	6	4	1	38	8	7	6	9
056	1	47	Tx_F6S1_x_B73Htrhm	S2_4302-03/87	7	7	7	7	4	2	1	35				9
057	1	47	Tx_F6S1_x_B73Htrhm	S2_4302-04/87	7	7	7	6	4	3	1	35				9
058	1	47	Tx_F6S1_x_B73Htrhm	S2_4302-05/87	6	6	6	6	5	3	1	33	7	8	7	9
059	1	47	Tx_F6S1_x_B73Htrhm	S2_4303-02/87	7	6	7	5	2	1	1	29				9
060	1	47	Tx_F6S1_x_B73Htrhm	S2_4303-03/87	7	7	7	6	3	2	1	33				9
061	1	47	Tx_F6S1_x_B73Htrhm	S2_4303-04/87	7	7	6	6	5	3	1	35				9
062	1	47	Tx_F6S1_x_B73Htrhm	S2_4303-05/87	7	6	7	6	4	2	1	33				9
063	1	47	Tx_F6S1_x_B73Htrhm	S2_4303-06/87	7	6	7	6	5	4	1	36				9
064	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-01/87	8	8	7	6	5	3	1	38				9
065	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-02/87	7	6	7	6	6	4	1	37	8	6	6	9
066	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-03/87	7	6	6	5	3	1	1	29				9
067	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-04/87	7	6	6	5	4	2	1	31				9
068	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-05/87	6	6	6	4	3	2	1	28				9
069	1	47	Tx_F6S1_x_B73Htrhm	S2_4304-06/87	7	7	6	5	3	1	1	30				9
070	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-01/87	6	6	6	5	3	1	1	28				9
071	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-02/87	8	6	7	6	4	3	1	35				9
072	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-03/87	7	7	6	5	4	2	1	32				9
073	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-04/87	8	7	6	6	4	3	1	35				9
074	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-05/87	7	7	7	7	6	3	1	38				9
075	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-06/87	7	7	6	6	5	2	1	34				9
076	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-07/87	7	6	7	6	4	2	1	33				9
077	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-08/87	6	6	7	6	4	2	1	32				9
078	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-09/87	8	7	7	6	5	2	1	36				9
079	1	47	Tx_F6S1_x_B73Htrhm	S2_4305-10/87	7	7	7	6	6	4	2	39	8	8	7	9
080	1	47	Tx_F6S1_x_B73Htrhm	S2_4306-01/87	7	7	6	6	4	2	1	33				9
081	1	47	Tx_F6S1_x_B73Htrhm	S2_4306-02/87	7	6	7	6	6	4	2	38	8	9	6	9
082	1	47	Tx_F6S1_x_B73Htrhm	S2_4306-03/87	6	7	7	6	4	3	1	34				9
083	1	47	Tx_F6S1_x_B73Htrhm	S2_4306-04/87	7	7	7	6	5	3	1	36				9
084	1	47	Tx_F6S1_x_B73Htrhm	S2_4306-05/87	8	6	7	6	4	2	1	34				9
085	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-01/87	6	7	7	6	4	3	1	34				9
086	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-02/87	6	6	6	5	4	2	1	30				9
087	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-03/87	7	6	7	6	5	2	1	34				9
088	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-04/87	7	6	7	5	2	1	1	29				9
089	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-05/87	8	7	8	7	6	4	1	41	8	9	7	9
090	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-06/87	7	7	7	7	6	3	1	38				9
091	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-07/87	8	8	7	7	7	2	2	41				9
092	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-08/87	7	7	7	7	5	3	1	37				9
093	1	47	Tx_F6S1_x_B73Htrhm	S2_4307-09/87	8	6	7	6	4	2	1	34				9
094	1	47	Tx_F6S1_x_B73Htrhm	S2_4308-01/87	7	7	7	6	4	2	1	34				9
095	1	47	Tx_F6S1_x_B73Htrhm	S2_4308-02/87	7	7	7	6	4	2	1	34				9
096	1	47	Tx_F6S1_x_B73Htrhm	S2_4308-03/87	7	7	7	6	5	3	1	36				9
097	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-01/87	8	8	8	7	6	5	2	44	7	4	4	9
098	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-02/87	7	7	8	7	6	3	1	39				9
099	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-03/87	7	6	7	5	5	3	1	34				9
100	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-04/87	7	6	7	6	4	2	1	33				9
101	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-05/87	7	7	7	6	4	2	1	34				9
102	1	47	Tx_F6S1_x_B73Htrhm	S2_4309-06/87	7	8	7	6	4	2	1	35				9

Table 117. Experiment 47 Andrews, N.C. 1988 GLS test for Tuxpeno(B14A.A632) families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/11	9/28	9/15	10/17	10/10	TOTAL	KIAPP	EARCK	LOAQG
103	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-01/87	8	5	7	6	3	2	1	32			9
104	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-02/87	6	6	6	5	4	2	1	30			9
105	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-03/87	8	7	7	7	6	4	2	41	8	9	6	9
106	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-04/87	9	6	8	6	6	4	1	40	7	5	4	9
107	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-05/87	7	7	7	6	4	3	1	35				9
108	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-06/87	8	5	7	7	5	2	1	35				9
109	1	47	Tx_F6S1_x_B73Htrhm	S2_4310-07/87	7	6	7	5	4	1	1	31				9
110	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-01/87	7	6	7	6	4	2	1	33				9
111	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-02/87	7	7	7	6	5	3	1	36				9
112	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-03/87	9	7	7	7	7	3	2	42	8	9	7	9
113	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-04/87	8	7	7	7	5	3	1	38				9
114	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-05/87	8	8	7	7	6	4	2	42	8	8	5	9
115	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-06/87	8	7	7	7	6	3	1	39				9
116	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-07/87	8	8	7	6	3	2	1	35				9
117	1	47	Tx_F6S1_x_B73Htrhm	S2_4311-08/87	7	6	7	5	3	2	1	31				9
118	1	47	Tx_F6S1_x_B73Htrhm	S2_4312-01/87	7	7	6	6	5	3	1	35				9
119	1	47	Tx_F6S1_x_B73Htrhm	S2_4312-02/87	7	6	7	6	4	2	1	33				9
120	1	47	Tx_F6S1_x_B73Htrhm	S2_4312-03/87	7	6	7	6	4	3	1	34				9
121	1	47	Tx_F6S1_x_B73Htrhm	S2_4312-04/87	6	7	7	5	3	2	1	31				9
122	1	47	Tx_F6S1_x_B73Htrhm	S2_4312-05/87	7	6	7	6	4	2	1	33				9
123	1	47	Tx_F6S1_x_B73Htrhm	S2_4313-01/87	8	7	7	7	7	5	3	44	8	8	7	9
124	1	47	Tx_F6S1_x_B73Htrhm	S2_4313-02/87	7	7	7	6	5	3	1	36				9
125	1	47	Tx_F6S1_x_B73Htrhm	S2_4313-03/87	7	8	6	5	3	1	1	31				9
126	1	47	Tx_F6S1_x_B73Htrhm	S2_4313-04/87	8	7	7	6	4	2	1	35				9
127	1	47	Tx_F6S1_x_B73Htrhm	S2_4313-05/87	7	7	7	6	4	2	1	34				9
128	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-01/87	7	6	7	6	4	3	1	34				9
129	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-02/87	7	7	7	6	7	5	1	40	8	9	6	9
130	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-03/87	7	6	7	6	6	3	1	36				9
131	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-04/87	7	6	7	6	5	3	2	36	7	8	5	9
132	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-05/87	7	6	6	5	4	3	1	32				9
133	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-06/87	7	8	7	6	4	2	1	35				9
134	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-07/87	8	7	7	6	5	3	2	38	8	9	7	9
135	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-08/87	7	7	6	5	4	2	1	32				9
136	1	47	Tx_F6S1_x_B73Htrhm	S2_4314-09/87	7	7	7	6	4	2	1	34				9
137	1	47	Tux(A632xB14A)F6S3_75%	4227/87	8	7	7	7	7	4	1	41				9
138	1	47	Tux(A632xB14A)F6S3_75%	4227/87	7	7	8	7	7	5	1	42				9
139	1	47	Tux(A632xB14A)F6S3_75%	4227/87	8	6	8	7	7	5	1	42				9
140	1	47	B73Htrhm	Bergquist/86	7	7	6	5	2	1	1	29				9
141	1	47	B73Htrhm	Bergquist/86	7	6	6	5	3	1	1	29				9
142	1	47	B73Htrhm	Bergquist/86	7	7	6	5	2	1	1	29				9
143	1	47	Tx_F6S1_x_B73Htrhm	S0_4886_x_4861/86	7	8	7	7	5	4	1	39				9
144	1	47	Tx_F6S1_x_B73Htrhm	S0_4886_x_4861/86	7	7	7	7	5	5	1	39				9
145	1	47	Tx_F6S1_x_B73Htrhm	S0_4886_x_4861/86	7	7	7	7	6	5	2	41	8	9	8	9
			B73Ht_(BORDER)	Downing/85	6	6	5	3	1	1	1	23				8
			B73Ht_(BORDER)	Downing/85	7	6	5	4	2	1	1	26				9
			B73Ht_(BORDER)	Downing/85	7	6	6	3	2	1	1	26	9	9	9	7
			B73Ht_(BORDER)	Downing/85	7	6	6	4	2	1	1	27				9
			MEANS		7	7	7	6	4	3	1					

Table 118. Experiment 48 Andrews, N.C. 1988 GLS test for Mezcla T. B. families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/25	9/14	10/17	10/10	TOTAL	KAPPA	KIRK	EARQ	LODG
001	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-01/87		8	7	7	5	4	2	1	34				9
002	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-02/87		8	6	7	5	3	1	1	31				9
003	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-03/87		8	8	7	6	6	2	1	38				9
004	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-04/87		8	6	6	6	3	1	1	31				9
005	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-05/87		9	9	8	7	6	3	1	43	9	9	8	9
006	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-06/87		7	6	6	6	4	2	1	32				9
007	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4315-07/87		9	8	7	6	4	1	1	36				9
008	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-01/87		9	8	8	6	5	2	1	39				9
009	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-02/87		7	6	6	5	3	1	1	29				9
010	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-03/87		8	8	7	6	4	1	1	35				9
011	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-04/87		8	8	7	6	5	3	2	39	8	8	6	9
012	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-05/87		8	7	7	6	4	1	1	34				9
013	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-06/87		8	7	7	6	4	2	1	35				9
014	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4316-07/87		7	6	7	5	4	2	1	32				9
015	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-01/87		8	7	6	6	4	2	1	34				9
016	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-02/87		8	7	7	6	3	1	1	33				9
017	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-03/87		7	7	7	6	4	1	1	33				9
018	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-04/87		9	7	7	6	4	2	1	36				9
019	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-05/87		9	8	8	6	5	2	1	39				9
020	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-06/87		8	7	6	6	4	1	1	33				9
021	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4317-07/87		7	7	7	6	5	1	1	34				9
022	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-01/87		8	7	7	6	5	1	1	35				9
023	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-02/87		8	7	7	5	3	1	1	32				9
024	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-03/87		9	7	7	6	4	2	1	36				9
025	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-04/87		8	6	7	5	2	1	1	30				9
026	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-05/87		8	7	7	6	5	2	1	36				9
027	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-06/87		8	7	6	6	4	1	1	33				9
028	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4318-07/87		8	7	6	5	3	1	1	31				9
029	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-01/87		8	7	7	6	4	2	1	35				9
030	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-02/87		7	7	7	5	3	1	1	31				9
031	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-03/87		8	7	8	6	4	1	1	35				9
032	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-04/87		8	7	8	8	6	2	1	40	7	7	5	9
033	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-05/87		7	6	7	4	3	1	1	29				9
034	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-06/87		8	8	8	7	6	3	1	41	8	9	6	9
035	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4319-07/87		8	7	7	6	6	2	1	37				9
036	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-01/87		9	7	7	6	6	3	1	39	8	8	5	9
037	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-02/87		7	6	7	6	2	1	1	30				9
038	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-03/87		8	7	7	6	3	1	1	33				9
039	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-04/87		9	8	7	6	2	1	1	34				9
040	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-05/87		8	7	7	6	5	1	1	35				9
041	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-06/87		9	7	7	5	2	1	1	32				9
042	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4320-07/87		9	9	7	6	5	2	1	39				9
043	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-01/87		8	7	7	6	6	2	1	37				9
044	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-02/87		7	8	7	6	5	1	1	35				9
045	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-03/87		8	7	7	6	3	1	1	33				9
046	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-04/87		9	8	8	6	3	1	1	36				9
047	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-05/87		8	8	7	6	5	1	1	36				9
048	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-06/87		8	7	7	5	2	1	1	31				9
049	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4321-07/87		8	7	7	6	5	2	1	36				9
050	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-01/87		8	7	7	6	3	1	1	33				9
051	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-02/87		7	6	7	6	5	3	1	35	7	7	6	9

Table 118. Experiment 48 Andrews, N.C. 1988 GLS test for Mezcla T. B. families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/5	9/4	10/7	10/1	TOTAL	ANAPP	IACPK	AERQ	LODG
052	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-03/87		8	6	7	5	4	2	1	33				9
053	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-04/87		8	7	7	6	2	1	1	32				9
054	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-05/87		9	8	8	6	5	3	1	40	8	8	7	9
055	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-06/87		8	7	7	6	5	2	1	36				9
056	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4322-07/87		7	6	7	5	4	1	1	31				9
057	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-01/87		9	8	7	6	5	2	1	38				9
058	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-02/87		9	7	7	6	6	2	1	38				9
059	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-03/87		9	7	7	6	5	2	1	37				9
060	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-04/87		9	7	7	6	4	1	1	35				9
061	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-05/87		8	6	6	5	1	1	1	28	9	9	9	7
062	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-06/87		8	7	6	5	4	2	1	33				9
063	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4323-07/87		8	7	7	6	4	2	1	35				9
064	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-01/87		8	7	6	6	5	2	1	35				9
065	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-02/87		9	8	8	6	3	1	1	36				9
066	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-03/87		9	7	7	6	5	3	1	38	8	6	6	9
067	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-04/87		8	7	6	5	3	1	1	31				9
068	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-05/87		7	7	7	6	5	2	1	35				9
069	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-06/87		8	8	7	6	4	1	1	35				9
070	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4324-07/87		9	8	8	5	2	1	1	34				9
071	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-01/87		8	7	7	6	5	2	1	36				9
072	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-02/87		8	7	7	7	6	2	1	38	8	2	5	9
073	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-03/87		9	7	8	7	5	2	1	39				9
074	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-04/87		8	7	7	6	5	2	1	36				9
075	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-05/87		8	7	7	6	4	2	1	35				9
076	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-06/87		8	7	7	6	1	1	1	31				9
077	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4325-07/87		8	7	7	5	2	1	1	31				9
078	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-01/87		9	8	8	7	4	1	1	38				9
079	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-02/87		9	7	7	6	4	1	1	35				9
080	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-03/87		8	7	7	5	2	1	1	31				8
081	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-04/87		8	8	7	6	5	2	1	37				9
082	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-05/87		8	7	7	5	3	1	1	32				9
083	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-06/87		7	7	6	6	5	1	1	33				9
084	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4326-07/87		9	8	7	6	4	2	1	37				9
085	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-01/87		9	8	8	6	4	1	1	37				9
086	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-02/87		8	8	7	6	6	2	1	38				9
087	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-03/87		8	7	7	6	4	1	1	34				9
088	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-04/87		9	7	7	6	4	1	1	35				9
089	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-05/87		8	8	7	6	5	2	1	37				9
090	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-06/87		8	7	7	6	4	1	1	34				9
091	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4327-07/87		8	7	7	6	6	2	1	37				9
092	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-01/87		9	8	7	6	5	2	1	38				9
093	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-02/87		8	6	6	5	4	1	1	31				9
094	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-03/87		8	7	7	6	4	1	1	34				9
095	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-04/87		8	7	7	6	4	2	1	35				9
096	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-05/87		8	7	7	6	4	2	1	35				9
097	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-06/87		7	7	6	4	2	1	1	28				9
098	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4328-07/87		8	8	7	5	3	1	1	33				9
099	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-01/87		8	7	7	6	3	1	1	33				9
100	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-02/87		8	7	7	6	3	1	1	33				9
101	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-03/87		9	7	7	5	3	1	1	33				9
102	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-04/87		8	7	7	6	2	1	1	32				9

Table 118. Experiment 48 Andrews, N.C. 1988 GLS test for Mezcla T. B. families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/11	9/10	9/17	10/10	TOTAL	AP	KIPC	EARK	LODG
103	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-05/87		9	6	7	6	5	3	1	37	8	8	7	9
104	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-06/87		8	7	7	6	5	1	1	35				9
105	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-07/87		9	8	7	6	3	1	1	35				9
106	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4329-08/87		9	7	7	6	5	2	1	37				9
107	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-01/87		8	7	7	6	4	1	1	34				9
108	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-02/87		8	7	7	7	5	2	1	37				9
109	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-03/87		9	8	8	6	5	2	1	39				9
110	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-04/87		8	7	7	5	2	1	1	31				9
111	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-05/87		8	7	7	6	6	2	1	37				9
112	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-06/87		7	5	7	5	3	1	1	29				9
113	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-07/87		8	7	7	6	5	3	1	37	7	5	5	9
114	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4330-08/87		8	8	7	7	6	2	1	39	9	9	8	9
115	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-01/87		8	7	6	5	4	2	1	33				9
116	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-02/87		8	7	7	6	3	1	1	33				9
117	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-03/87		7	7	7	5	4	1	1	32				9
118	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-04/87		8	7	7	6	4	1	1	34				9
119	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-05/87		8	8	7	6	5	2	1	37				9
120	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-06/87		8	7	7	6	3	1	1	33				9
121	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4331-07/87		8	7	7	6	4	2	1	35				9
122	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-01/87		8	6	7	5	2	1	1	30				9
123	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-02/87		8	7	7	5	4	1	1	33				9
124	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-03/87		7	7	7	6	4	1	1	33				9
125	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-04/87		8	7	7	6	4	2	1	35				9
126	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-05/87		9	7	7	5	4	1	1	34				9
127	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-06/87		8	7	7	6	5	1	1	35				9
128	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-07/87		7	7	7	6	2	1	1	31				9
129	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4332-08/87		8	6	6	6	3	1	1	31				9
130	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4333-01/87		8	7	8	6	4	1	1	35				9
131	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4333-02/87		6	6	6	4	2	1	1	26				9
132	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4333-03/87		7	6	6	5	3	1	1	29				9
133	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4333-04/87		7	6	7	5	3	1	1	30				9
134	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-01/87		7	6	5	2	2	1	1	24				7
135	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-02/87		7	6	6	5	3	1	1	29				9
136	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-03/87		8	7	7	6	4	1	1	34				9
137	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-04/87		8	7	7	6	4	2	1	35				9
138	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-05/87		8	7	7	5	4	1	1	33				9
139	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-06/87		7	6	6	5	3	1	1	29				9
140	1	48	Mezcla_TB_S4_x_B73Htrhm__S2_4334-07/87		8	7	7	6	5	2	1	36				9
141	1	48	Mezcla_TB_S6_75%	4229/87	9	5	7	6	4	2	1	34				9
142	1	48	Mezcla_TB_S6_75%	4229/87	8	7	7	6	5	3	1	37				9
143	1	48	Mezcla_TB_S6_75%	4229/87	7	6	7	5	4	1	1	31				9
144	1	48	B73Htrhm	Bergquist/86	7	7	6	5	3	1	1	30				9
145	1	48	B73Htrhm	Bergquist/86	8	6	6	4	2	1	1	28				9
146	1	48	B73Htrhm	Bergquist/86	7	7	6	5	3	1	1	30				9
147	1	48	MezclaTB_S4xB73Htrhm_S0_4887_x_4861/86		8	7	7	6	4	2	1	35				9
148	1	48	MezclaTB_S4xB73Htrhm_S0_4887_x_4861/86		9	9	8	7	6	2	1	42				9
149	1	48	MezclaTB_S4xB73Htrhm_S0_4887_x_4861/86		9	9	8	7	5	2	1	41				9
			B73Ht____(BORDER)	Downing/85	7	6	5	3	1	1	1	24				7
			B73Ht____(BORDER)	Downing/85	7	6	6	4	2	1	1	27				9
			B73Ht____(BORDER)	Downing/85	7	6	6	5	3	1	1	29				9
			MEANS		8	7	7	6	4	1	1					

Table 119. Experiment 49 Andrews, N.C. 1988 GLS test for H101 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/25	9/14	9/17	10/11	TOTAL	ANTHRACNOSE	KERNEL CRACKING	EAR ROT	LODGING
001	1	49	H101 x B73Htrhm	S2_4335-01/87	9	8	7	7	6	4	2	43	7	9	7	9
002	1	49	H101 x B73Htrhm	S2_4335-02/87	8	8	7	7	6	4	2	42	7	9	5	9
003	1	49	H101 x B73Htrhm	S2_4335-03/87	8	7	7	6	3	2	1	34	_	_	_	9
004	1	49	H101 x B73Htrhm	S2_4335-04/87	9	7	7	6	4	3	1	37	_	_	_	9
005	1	49	H101 x B73Htrhm	S2_4335-05/87	8	7	7	6	5	4	2	39	6	7	5	9
006	1	49	H101 x B73Htrhm	S2_4335-06/87	9	8	7	6	6	2	2	40	5	3	1	9
007	1	49	H101 x B73Htrhm	S2_4335-07/87	8	7	7	6	4	1	1	34	_	_	_	9
008	1	49	H101 x B73Htrhm	S2_4335-08/87	8	8	7	6	5	3	1	38	_	_	_	9
009	1	49	H101 x B73Htrhm	S2_4335-09/87	9	8	7	6	5	3	1	39	_	_	_	9
010	1	49	H101 x B73Htrhm	S2_4335-10/87	8	7	7	6	4	2	1	35	_	_	_	9
011	1	49	H101 x B73Htrhm	S2_4336-01/87	9	8	7	6	4	2	1	37	_	_	_	9
012	1	49	H101 x B73Htrhm	S2_4336-02/87	9	8	7	6	6	5	3	44	8	8	6	9
013	1	49	H101 x B73Htrhm	S2_4336-03/87	9	8	8	6	5	3	1	40	_	_	_	9
014	1	49	H101 x B73Htrhm	S2_4336-04/87	8	8	7	6	6	3	1	39	_	_	_	9
015	1	49	H101 x B73Htrhm	S2_4336-05/87	9	7	7	6	6	4	1	40	8	7	2	9
016	1	49	H101 x B73Htrhm	S2_4336-06/87	8	8	7	6	5	2	1	37	_	_	_	9
017	1	49	H101 x B73Htrhm	S2_4336-07/87	8	7	7	6	5	2	1	36	_	_	_	9
018	1	49	H101 x B73Htrhm	S2_4336-08/87	8	9	8	7	7	4	1	44	_	_	_	9
019	1	49	H101 x B73Htrhm	S2_4336-09/87	8	8	8	6	5	3	2	40	7	8	4	9
020	1	49	H101 x B73Htrhm	S2_4337-01/87	9	8	7	6	5	2	1	38	_	_	_	9
021	1	49	H101 x B73Htrhm	S2_4337-02/87	9	8	8	7	7	5	2	46	6	8	6	9
022	1	49	H101 x B73Htrhm	S2_4337-03/87	8	8	7	6	5	3	1	38	_	_	_	9
023	1	49	H101 x B73Htrhm	S2_4337-04/87	9	7	7	6	6	4	2	41	7	4	5	9
024	1	49	H101 x B73Htrhm	S2_4337-05/87	9	9	8	7	7	5	3	48	6	9	4	9
025	1	49	H101 x B73Htrhm	S2_4337-06/87	8	8	7	6	6	3	2	40	7	8	7	9
026	1	49	H101 x B73Htrhm	S2_4337-07/87	8	8	7	6	5	3	2	39	7	3	3	9
027	1	49	H101 x B73Htrhm	S2_4337-08/87	8	7	7	6	5	3	2	38	6	3	4	9
028	1	49	H101 x B73Htrhm	S2_4338-01/87	8	8	7	6	6	3	2	40	7	4	3	9
029	1	49	H101 x B73Htrhm	S2_4338-02/87	8	8	7	6	4	1	1	35	_	_	_	9
030	1	49	H101 x B73Htrhm	S2_4338-03/87	8	7	7	6	6	3	2	39	6	8	5	9
031	1	49	H101 x B73Htrhm	S2_4338-04/87	7	8	7	6	6	4	2	40	6	7	6	9
032	1	49	H101 x B73Htrhm	S2_4338-05/87	8	7	7	6	4	2	1	35	_	_	_	9
033	1	49	H101 x B73Htrhm	S2_4338-06/87	9	8	7	7	7	5	2	45	6	2	3	9
034	1	49	H101 x B73Htrhm	S2_4338-07/87	7	7	7	7	5	1	1	35	_	_	_	9
035	1	49	H101 x B73Htrhm	S2_4339-01/87	8	8	7	6	5	2	1	37	_	_	_	9
036	1	49	H101 x B73Htrhm	S2_4339-02/87	9	7	8	6	6	5	2	43	8	7	7	9
037	1	49	H101 x B73Htrhm	S2_4339-03/87	9	8	8	7	5	2	1	40	_	_	_	9
038	1	49	H101 x B73Htrhm	S2_4339-04/87	9	8	7	7	6	3	1	41	_	_	_	9
039	1	49	H101 x B73Htrhm	S2_4339-05/87	8	8	7	6	5	2	1	37	_	_	_	9
040	1	49	H101 x B73Htrhm	S2_4339-06/87	8	7	7	6	5	1	1	35	_	_	_	9
041	1	49	H101 x B73Htrhm	S2_4339-07/87	8	8	7	7	6	4	1	41	7	5	5	9
042	1	49	H101 x B73Htrhm	S2_4339-08/87	8	7	7	6	5	2	1	36	_	_	_	9
043	1	49	H101 x B73Htrhm	S2_4339-09/87	8	7	6	6	5	3	1	36	_	_	_	9
044	1	49	H101 x B73Htrhm	S2_4339-10/87	9	8	8	7	6	4	2	44	5	9	4	9
045	1	49	H101 x B73Htrhm	S2_4340-01/87	8	7	7	6	5	2	1	36	_	_	_	9
046	1	49	H101 x B73Htrhm	S2_4340-02/87	9	8	7	6	5	3	1	39	_	_	_	9
047	1	49	H101 x B73Htrhm	S2_4340-03/87	9	8	7	6	5	3	2	40	4	3	5	9
048	1	49	H101 x B73Htrhm	S2_4340-04/87	8	8	7	6	6	3	2	40	7	3	5	9
049	1	49	H101 x B73Htrhm	S2_4341-01/87	8	7	7	6	6	3	1	38	_	_	_	9
050	1	49	H101 x B73Htrhm	S2_4341-02/87	8	8	7	6	5	3	1	38	_	_	_	9
051	1	49	H101 x B73Htrhm	S2_4341-03/87	9	8	7	7	7	5	2	45	7	5	7	9

Table 119. Experiment 49 Andrews, N.C. 1988 GLS test for H101 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/15	9/24	9/17	10/11	TOTAL	KPC	EAR	LOD	G
052	1	49	H101_x_B73Htrhm	S2_4341-04/87	7	8	7	6	6	4	2	40	8	7	7	9
053	1	49	H101_x_B73Htrhm	S2_4341-05/87	9	9	8	7	6	2	1	42	_	_	_	9
054	1	49	H101_x_B73Htrhm	S2_4341-06/87	8	8	7	7	6	3	2	41	6	7	2	9
055	1	49	H101_x_B73Htrhm	S2_4341-07/87	8	8	8	6	2	1	1	34	_	_	_	9
056	1	49	H101_x_B73Htrhm	S2_4341-08/87	8	7	7	6	4	1	1	34	_	_	_	9
057	1	49	H101_x_B73Htrhm	S2_4341-09/87	9	8	7	6	5	3	2	40	7	1	5	9
058	1	49	H101_x_B73Htrhm	S2_4342-01/87	8	7	7	6	4	2	1	35	_	_	_	9
059	1	49	H101_x_B73Htrhm	S2_4342-02/87	9	7	8	6	6	3	1	40	_	_	_	9
060	1	49	H101_x_B73Htrhm	S2_4342-03/87	8	7	7	6	5	3	1	37	_	_	_	9
061	1	49	H101_x_B73Htrhm	S2_4342-04/87	8	7	7	5	3	1	1	32	_	_	_	9
062	1	49	H101_x_B73Htrhm	S2_4342-05/87	8	7	7	6	5	2	1	36	_	_	_	9
063	1	49	H101_x_B73Htrhm	S2_4343-01/87	8	7	7	6	4	3	1	36	_	_	_	9
064	1	49	H101_x_B73Htrhm	S2_4343-02/87	8	7	7	6	5	4	1	38	7	7	5	9
065	1	49	H101_x_B73Htrhm	S2_4343-03/87	9	8	7	7	6	4	2	43	7	7	5	9
066	1	49	H101_x_B73Htrhm	S2_4343-04/87	8	8	8	7	7	4	2	44	8	9	4	9
067	1	49	H101_x_B73Htrhm	S2_4343-05/87	9	8	8	6	5	4	2	42	8	8	7	9
068	1	49	H101_x_B73Htrhm	S2_4343-06/87	8	8	7	6	4	2	1	36	_	_	_	9
069	1	49	H101_x_B73Htrhm	S2_4343-07/87	8	8	7	7	7	4	1	42	7	3	5	9
070	1	49	H101_x_B73Htrhm	S2_4344-01/87	8	7	6	6	5	3	1	36	_	_	_	9
071	1	49	H101_x_B73Htrhm	S2_4344-02/87	9	8	7	6	5	4	1	40	_	_	_	9
072	1	49	H101_x_B73Htrhm	S2_4344-03/87	9	8	7	7	7	6	3	47	7	7	6	9
073	1	49	H101_x_B73Htrhm	S2_4344-04/87	8	7	7	6	5	3	2	38	6	8	4	9
074	1	49	H101_x_B73Htrhm	S2_4344-05/87	8	7	7	6	4	2	1	35	_	_	_	9
075	1	49	H101_x_B73Htrhm	S2_4344-06/87	8	7	7	6	5	2	1	36	_	_	_	9
076	1	49	H101_x_B73Htrhm	S2_4344-07/87	8	7	7	6	6	4	1	39	7	7	5	9
077	1	49	H101_x_B73Htrhm	S2_4344-08/87	8	8	7	6	5	3	1	38	_	_	_	9
078	1	49	H101_x_B73Htrhm	S2_4344-09/87	8	8	8	7	7	4	1	43	6	1	4	9
079	1	49	H101_x_B73Htrhm	S2_4344-10/87	9	7	8	6	5	2	1	38	_	_	_	9
080	1	49	H101_x_B73Htrhm	S2_4345-01/87	8	7	7	6	6	4	2	40	7	8	7	9
081	1	49	H101_x_B73Htrhm	S2_4345-02/87	8	7	7	6	6	5	2	41	8	8	6	9
082	1	49	H101_x_B73Htrhm	S2_4345-03/87	8	7	7	7	6	3	1	39	_	_	_	9
083	1	49	H101_x_B73Htrhm	S2_4345-04/87	9	8	7	6	5	3	1	39	_	_	_	9
084	1	49	H101_x_B73Htrhm	S2_4345-05/87	8	8	7	6	5	2	1	37	_	_	_	9
085	1	49	H101_x_B73Htrhm	S2_4345-06/87	8	7	7	6	5	3	2	38	7	6	6	9
086	1	49	H101_x_B73Htrhm	S2_4345-07/87	8	8	7	6	6	5	2	42	6	5	5	9
087	1	49	H101_x_B73Htrhm	S2_4346-01/87	8	7	7	6	5	3	1	37	_	_	_	9
088	1	49	H101_x_B73Htrhm	S2_4346-02/87	8	8	7	6	5	3	2	39	6	5	6	9
089	1	49	H101_x_B73Htrhm	S2_4346-03/87	8	7	7	6	5	3	1	37	_	_	_	9
090	1	49	H101_x_B73Htrhm	S2_4346-04/87	9	8	8	6	5	3	1	40	_	_	_	9
091	1	49	H101_x_B73Htrhm	S2_4346-05/87	8	8	7	6	5	2	1	37	_	_	_	9
092	1	49	H101_x_B73Htrhm	S2_4346-06/87	8	8	7	6	5	3	1	38	_	_	_	9
093	1	49	H101_x_B73Htrhm	S2_4346-07/87	9	8	7	6	5	3	1	39	_	_	_	9
094	1	49	H101_x_B73Htrhm	S2_4346-08/87	8	7	7	6	6	3	1	38	_	_	_	9
095	1	49	H101_x_B73Htrhm	S2_4347-01/87	9	9	8	7	7	3	2	45	8	7	6	9
096	1	49	H101_x_B73Htrhm	S2_4347-02/87	8	8	7	6	6	4	1	40	7	6	7	9
097	1	49	H101_x_B73Htrhm	S2_4347-03/87	8	8	7	7	6	4	2	42	7	7	5	9
098	1	49	H101_x_B73Htrhm	S2_4347-04/87	9	8	8	7	6	4	1	43	7	7	6	9
099	1	49	H101_x_B73Htrhm	S2_4347-05/87	9	8	8	7	6	3	2	43	8	7	6	9
100	1	49	H101_x_B73Htrhm	S2_4347-06/87	9	8	7	6	5	3	2	40	7	9	4	9
101	1	49	H101_x_B73Htrhm	S2_4348-01/87	9	9	8	6	5	3	1	41	_	_	_	9
102	1	49	H101_x_B73Htrhm	S2_4348-02/87	8	7	7	6	5	3	2	38	6	6	5	9

Table 119. Experiment 49 Andrews, N.C. 1988 GLS test for H101 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/8	9/5	9/4	10/7	TOT/10	TOTAL	AP	KI	EC	LR	OK	DG
103	1	49	H101 x B73Htrhm	S2 4348-03/87	9	8	7	6	6	4	2	42	8	7	6	9		
104	1	49	H101 x B73Htrhm	S2 4348-04/87	8	7	7	6	6	4	2	40	8	4	6	9		
105	1	49	H101 x B73Htrhm	S2 4348-05/87	8	7	7	6	6	3	2	39	6	7	4	9		
106	1	49	H101 x B73Htrhm	S2 4348-06/87	8	7	7	6	5	3	1	37				9		
107	1	49	H101 x B73Htrhm	S2 4348-07/87	9	9	7	6	6	4	2	43	7	6	4	9		
108	1	49	H101 x B73Htrhm	S2 4348-08/87	9	8	8	6	6	3	1	41				9		
109	1	49	H101 x B73Htrhm	S2 4348-09/87	8	8	7	7	5	2	1	38				9		
110	1	49	H101 x B73Htrhm	S2 4349-01/87	8	7	7	6	6	4	2	40	7	8	5	9		
111	1	49	H101 x B73Htrhm	S2 4349-02/87	8	8	7	6	5	4	2	40	7	4	5	9		
112	1	49	H101 x B73Htrhm	S2 4349-03/87	9	8	7	6	6	5	2	43	8	9	6	9		
113	1	49	H101 x B73Htrhm	S2 4349-04/87	8	7	7	5	3	1	1	32				9		
114	1	49	H101 x B73Htrhm	S2 4349-05/87	9	8	8	6	6	4	1	42	7	7	6	9		
115	1	49	H101 x B73Htrhm	S2 4349-06/87	9	7	7	6	5	3	1	38				9		
116	1	49	H101 x B73Htrhm	S2 4349-07/87	8	7	7	6	5	3	2	38		4	3	9		
117	1	49	H101 x B73Htrhm	S2 4349-08/87	8	7	7	6	4	2	1	35				9		
118	1	49	H101 x B73Htrhm	S2 4350-01/87	8	8	7	6	6	5	2	42	6	8	5	9		
119	1	49	H101 x B73Htrhm	S2 4350-02/87	8	8	7	6	5	3	1	38				9		
120	1	49	H101 x B73Htrhm	S2 4350-03/87	8	7	7	6	6	5	2	41	8	7	5	9		
121	1	49	H101 x B73Htrhm	S2 4350-04/87	8	8	7	6	4	3	1	37				9		
122	1	49	H101 x B73Htrhm	S2 4350-05/87	8	7	7	6	4	3	2	37	6	2	6	9		
123	1	49	H101 x B73Htrhm	S2 4351-01/87	8	7	7	6	5	2	1	36				9		
124	1	49	H101 x B73Htrhm	S2 4351-02/87	8	8	7	6	6	3	1	39				9		
125	1	49	H101 x B73Htrhm	S2 4351-03/87	8	8	7	6	5	3	1	38				9		
126	1	49	H101 x B73Htrhm	S2 4351-04/87	8	7	7	6	6	2	1	37				9		
127	1	49	H101 x B73Htrhm	S2 4351-05/87	8	8	7	6	6	4	2	41	5	4	4	9		
128	1	49	H101 x B73Htrhm	S2 4352-01/87	8	7	7	6	5	2	1	36				9		
129	1	49	H101 x B73Htrhm	S2 4352-02/87	8	8	7	6	6	4	1	40	8	8	4	9		
130	1	49	H101 x B73Htrhm	S2 4352-03/87	8	7	7	6	5	3	1	37				9		
131	1	49	H101 x B73Htrhm	S2 4352-04/87	8	8	7	6	5	2	1	37				9		
132	1	49	H101 x B73Htrhm	S2 4352-05/87	8	8	7	7	6	2	1	39				9		
133	1	49	H101 x B73Htrhm	S2 4353-01/87	8	8	7	6	5	2	1	37				9		
134	1	49	H101 x B73Htrhm	S2 4353-02/87	8	7	7	7	6	4	2	41				9		
135	1	49	H101 x B73Htrhm	S2 4353-03/87	8	7	7	6	3	1	1	33				9		
136	1	49	H101 x B73Htrhm	S2 4353-04/87	9	8	8	6	6	4	2	43	8	4	5	9		
137	1	49	H101 x B73Htrhm	S2 4353-05/87	8	6	7	6	4	2	1	34				9		
138	1	49	H101 x B73Htrhm	S2 4354-01/87	9	8	8	6	5	4	1	41				9		
139	1	49	H101 x B73Htrhm	S2 4354-02/87	8	8	7	7	6	4	1	41	8	8	4	9		
140	1	49	H101 x B73Htrhm	S2 4354-03/87	7	6	6	5	3	1	1	29				9		
141	1	49	H101 F6S6 82-93-1-1-1	4232/87	8	8	8	7	7	6	2	46				9		
142	1	49	H101 F6S6 82-93-1-1-1	4232/87	8	7	7	7	7	5	2	43	7	7	4	9		
143	1	49	H101 F6S6 82-93-1-1-1	4232/87	8	8	7	7	7	5	1	43				9		
144	1	49	B73Htrhm	Bergquist/86	7	7	6	5	4	1	1	31				9		
144	1	49	B73Htrhm	Bergquist/86	7	7	7	5	3	1	1	31				9		
146	1	49	B73Htrhm	Bergquist/86	7	7	6	4	2	1	1	28				9		
147	1	49	H101 x B73Htrhm	S0 4892 x 4861/86	9	9	8	7	7	6	3	49	9	8	9	9		
148	1	49	H101 x B73Htrhm	S0 4892 x 4861/86	9	9	8	8	7	6	2	49				9		
149	1	49	H101 x B73Htrhm	S0 4892 x 4861/86	9	9	8	8	7	5	2	48	8	7	7	9		
			B73Ht (BORDER)	Downing/85	7	6	5	5	2	1	1	27				9		
			B73Ht (BORDER)	Downing/85	7	6	5	5	3	1	1	28				9		
			B73Ht (BORDER)	Downing/85	7	6	5	5	3	1	1	28				9		
			B73Ht (BORDER)	Downing/85	7	6	6	5	2	1	1	28				9		
			MEANS		8	8	7	6	5	3	1							

Table 120. Experiment 50 Andrews, N.C. 1988 GLS test for P105 x Ag155 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/11	9/4	9/7	10/10	TOTAL	ALAP	KICK	EARQ	LODG
001	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-01/87		8	7	7	5	3	1	37				9
002	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-02/87		8	7	7	6	5	2	42	7	7	7	9
003	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-03/87		9	8	8	6	3	1	41				9
004	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-04/87		8	8	7	6	4	2	42	8	9	6	9
005	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-05/87		9	8	8	7	4	1	44	8	8	7	9
006	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-06/87		8	8	7	6	3	1	38				9
007	1	50	105x155_F5S5_x_B73Htrhm__S2_4355-07/87		9	8	8	7	5	2	46	8	9	7	9
008	1	50	105x155_F5S5_x_B73Htrhm__S2_4356-01/87		8	8	7	6	3	1	39				9
009	1	50	105x155_F5S5_x_B73Htrhm__S2_4356-02/87		8	8	7	6	5	1	42	6	7	7	9
010	1	50	105x155_F5S5_x_B73Htrhm__S2_4356-03/87		8	8	7	6	3	1	39				9
011	1	50	105x155_F5S5_x_B73Htrhm__S2_4356-04/87		8	9	8	7	6	2	47	6	8	6	9
012	1	50	105x155_F5S5_x_B73Htrhm__S2_4356-05/87		6	6	7	6	2	1	33				9
013	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-01/87		9	8	7	7	6	4	2	43	7	8	6	9
014	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-02/87		9	8	7	6	6	3	1	40		4		9
015	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-03/87		8	7	7	6	6	3	1	38				9
016	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-04/87		9	8	8	7	5	3	1	41				9
017	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-05/87		9	8	8	7	7	4	1	44	8	8	7	9
018	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-06/87		8	7	7	7	6	5	2	42	8	9	6	9
019	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-07/87		7	7	7	6	5	4	1	37				9
020	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-08/87		8	8	8	8	9	7	2	50	7	1	4	9
021	1	50	105x155_F5S5_x_B73Htrhm__S2_4357-09/87		9	8	8	7	7	4	1	44	8	5	6	9
022	1	50	105x155_F5S5_x_B73Htrhm__S2_4358-01/87		6	7	6	6	5	2	1	33				9
023	1	50	105x155_F5S5_x_B73Htrhm__S2_4358-02/87		8	8	7	6	5	4	1	39				9
024	1	50	105x155_F5S5_x_B73Htrhm__S2_4358-03/87		8	8	8	7	6	4	2	43	7	9	5	9
025	1	50	105x155_F5S5_x_B73Htrhm__S2_4358-04/87		8	8	7	7	6	3	1	40				9
026	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-01/87		8	8	7	6	6	3	1	39				9
027	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-02/87		7	7	7	6	6	4	2	39	7	5	3	9
028	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-03/87		8	8	8	7	7	4	2	44	7	6	6	9
029	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-04/87		7	7	7	6	5	3	1	36				9
030	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-05/87		9	8	7	6	5	4	1	40				9
031	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-06/87		8	7	7	6	5	2	1	36				9
032	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-07/87		7	7	7	6	6	3	1	37				9
033	1	50	105x155_F5S5_x_B73Htrhm__S2_4359-08/87		7	7	7	6	5	3	1	36				9
034	1	50	105x155_F5S5_x_B73Htrhm__S2_4360-01/87		8	7	7	6	6	3	1	38				9
035	1	50	105x155_F5S5_x_B73Htrhm__S2_4360-02/87		9	8	7	7	7	5	2	45	6	4	4	9
036	1	50	105x155_F5S5_x_B73Htrhm__S2_4360-03/87		8	8	7	6	5	2	1	37				9
037	1	50	105x155_F5S5_x_B73Htrhm__S2_4360-04/87		8	9	8	7	7	5	2	46	7	9	6	9
038	1	50	105x155_F5S5_x_B73Htrhm__S2_4360-05/87		8	8	7	6	6	4	1	40	8	4	5	9
039	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-01/87		7	7	7	6	5	3	1	36				9
040	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-02/87		7	7	7	6	5	3	1	36				9
041	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-03/87		7	7	7	6	6	3	1	37				9
042	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-04/87		8	7	7	6	5	4	1	38				9
043	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-05/87		9	8	7	7	6	3	1	41				9
044	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-06/87		8	7	7	6	5	3	2	38	6	4	5	9
045	1	50	105x155_F5S5_x_B73Htrhm__S2_4361-07/87		8	7	7	6	6	4	1	39	7	2	5	9
046	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-01/87		8	8	7	6	6	3	1	39				9
047	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-02/87		6	6	6	5	4	1	1	29				9
048	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-03/87		8	7	7	6	5	4	2	39	7	6	5	9
049	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-04/87		7	7	7	6	5	4	1	37				9
050	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-05/87		8	7	7	6	5	2	1	36				9
051	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-06/87		8	8	7	6	6	4	1	40	6	1	5	9

Table 120. Experiment 50 Andrews, N.C. 1988 GLS test for P105 x Ag155 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	8/5	9/4	9/7	10/1	TOTAL	KAPPA	ICPK	EARQ	LODG
052	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-07/87		9	9	8	7	7	5	1	46	7	9	7	9
053	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-08/87		8	8	7	6	6	5	2	42	6	8	5	9
054	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-09/87		8	8	7	6	6	4	2	41	8	8	2	9
055	1	50	105x155_F5S5_x_B73Htrhm__S2_4362-10/87		8	9	7	7	7	4	1	43	7	5	6	9
056	1	50	105x155_F5S5_x_B73Htrhm__S2_4363-01/87		8	8	7	6	6	3	1	39	_	_	_	9
057	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-01/87		8	8	7	6	5	3	1	38	_	_	_	9
058	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-02/87		8	8	7	6	6	3	2	40	8	9	7	9
059	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-03/87		7	8	7	6	6	4	1	39	_	_	_	9
060	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-04/87		8	7	7	6	6	4	2	40	8	9	7	9
061	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-05/87		8	8	7	6	5	1	1	36	_	_	_	9
062	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-06/87		7	7	7	6	5	2	1	35	_	_	_	9
063	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-07/87		8	9	7	7	7	5	1	44	7	8	7	9
064	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-08/87		9	8	8	7	7	5	1	45	7	5	6	9
065	1	50	105x155_F5S5_x_B73Htrhm__S2_4364-09/87		8	7	7	6	4	1	1	34	_	_	_	9
066	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-01/87		8	8	7	7	7	4	1	42	6	7	6	9
067	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-02/87		8	8	7	6	6	3	2	40	6	6	3	9
068	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-03/87		8	8	7	6	5	2	1	37	_	_	_	9
069	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-04/87		8	8	7	6	5	2	1	37	_	_	_	9
070	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-05/87		8	8	7	6	6	2	1	38	_	_	_	9
071	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-06/87		8	7	7	6	5	3	1	37	_	_	_	9
072	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-07/87		8	8	7	7	6	4	1	41	6	9	6	9
073	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-08/87		9	8	7	6	6	4	1	41	7	5	6	9
074	1	50	105x155_F5S5_x_B73Htrhm__S2_4365-09/87		9	8	8	7	6	3	1	42	_	_	_	9
075	1	50	105x155_F5S5_x_B73Htrhm__S2_4366-01/87		7	7	7	6	5	2	1	35	_	_	_	9
076	1	50	105x155_F5S5_x_B73Htrhm__S2_4366-02/87		8	7	7	7	6	2	1	38	_	_	_	9
077	1	50	105x155_F5S5_x_B73Htrhm__S2_4366-03/87		8	7	7	6	6	4	2	40	8	9	6	9
078	1	50	105x155_F5S5_x_B73Htrhm__S2_4366-04/87		8	7	7	6	6	3	1	38	_	_	_	9
079	1	50	105x155_F5S5_x_B73Htrhm__S2_4366-05/87		9	7	8	6	6	3	1	40	_	_	_	9
080	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-01/87		9	7	7	6	5	2	1	37	_	_	_	9
081	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-02/87		9	8	8	8	7	5	1	46	8	4	7	9
082	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-03/87		8	8	7	6	5	2	1	37	_	_	_	9
083	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-04/87		8	8	7	6	5	3	1	38	_	_	_	9
084	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-05/87		8	7	7	6	6	4	2	40	8	7	5	9
085	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-06/87		9	8	7	7	7	4	1	43	7	5	4	9
086	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-07/87		8	7	7	6	5	4	2	39	7	9	7	9
087	1	50	105x155_F5S5_x_B73Htrhm__S2_4367-08/87		7	6	7	6	6	3	1	36	_	_	_	9
088	1	50	105x155_F5S5_x_B73Htrhm__S2_4368-01/87		6	6	6	5	4	1	1	29	_	_	_	9
089	1	50	105x155_F5S5_x_B73Htrhm__S2_4368-02/87		9	8	7	6	6	3	1	40	_	_	_	9
090	1	50	105x155_F5S5_x_B73Htrhm__S2_4368-03/87		7	7	7	6	5	2	1	35	_	_	_	9
091	1	50	105x155_F5S5_x_B73Htrhm__S2_4368-04/87		_	_	_	_	_	_	_	0	_	_	_	_
092	1	50	105x155_F5S5_x_B73Htrhm__S2_4369-01/87		7	7	7	6	5	2	1	35	_	_	_	9
093	1	50	105x155_F5S5_x_B73Htrhm__S2_4369-02/87		8	7	7	6	5	3	1	37	_	_	_	9
094	1	50	105x155_F5S5_x_B73Htrhm__S2_4369-03/87		8	7	7	6	5	2	1	36	_	_	_	9
095	1	50	105x155_F5S5_x_B73Htrhm__S2_4369-04/87		7	7	7	6	5	3	1	36	_	_	_	9
096	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-01/87		8	8	7	6	6	2	1	38	_	_	_	9
097	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-02/87		9	8	7	6	5	2	1	38	_	_	_	9
098	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-03/87		9	8	7	6	6	2	1	39	_	_	_	9
099	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-04/87		8	8	7	6	6	5	2	42	6	9	6	9
100	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-05/87		8	8	7	6	6	2	1	38	_	_	_	9
101	1	50	105x155_F5S5_x_B73Htrhm__S2_4370-06/87		8	7	7	7	6	4	1	40	8	8	6	9
102	1	50	105x155_F5S5_x_B73Htrhm__S2_4371-01/87		7	6	7	6	5	4	1	36	_	_	_	9

Table 120. Experiment 50 Andrews, N.C. 1988 GLS test for P105 x Ag155 families.

ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/5	9/4	10/7	10/1	TOTAL	AP	KC	EP	LK	AR	OQ	DG
103	1	50	105x155_F5S5_x_B73Htrhm__S2_4371-02/87		8	7	7	6	6	3	1	38							9
104	1	50	105x155_F5S5_x_B73Htrhm__S2_4371-03/87		7	7	7	6	5	3	1	36							9
105	1	50	105x155_F5S5_x_B73Htrhm__S2_4371-04/87		8	7	7	6	5	3	1	37							9
106	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-01/87		8	7	7	6	5	3	1	37							9
107	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-02/87		8	8	7	6	6	4	2	41	8	8	7				9
108	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-03/87		7	7	7	7	5	4	2	39	8	9	7				9
109	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-04/87		9	8	7	6	6	3	1	40							9
110	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-05/87		7	7	7	6	5	2	1	35							9
111	1	50	105x155_F5S5_x_B73Htrhm__S2_4372-06/87		8	7	7	6	5	3	1	37		9					9
112	1	50	105x155_F5S5_x_B73Htrhm__S2_4373-01/87		7	7	7	7	6	4	1	39	7	6	6				9
113	1	50	105x155_F5S5_x_B73Htrhm__S2_4373-02/87		9	8	8	7	7	5	2	46	7	8	6				9
114	1	50	105x155_F5S5_x_B73Htrhm__S2_4373-03/87		7	6	6	6	5	2	1	33							9
115	1	50	105x155_F5S5_x_B73Htrhm__S2_4373-04/87		8	7	7	6	5	2	1	36							9
116	1	50	105x155_F5S5_x_B73Htrhm__S2_4373-05/87		9	8	7	6	5	2	1	38							9
117	1	50	105x155_F5S5_x_B73Htrhm__S2_4374-01/87		8	8	7	7	7	5	1	43	8	8	7				9
118	1	50	105x155_F5S5_x_B73Htrhm__S2_4374-02/87		8	7	7	6	5	2	1	36		4					9
119	1	50	105x155_F5S5_x_B73Htrhm__S2_4374-03/87		8	8	8	6	6	4	1	41	7	8	7				9
120	1	50	105x155_F5S5_x_B73Htrhm__S2_4374-04/87		8	8	7	7	6	4	1	41	8	9	7				9
121	1	50	P105xAg155_F5S7_82-101-12-2-1__4234/87		6	7	8	7	7	6	2	43	5	6	1				9
122	1	50	P105xAg155_F5S7_82-101-12-2-1__4234/87		7	8	7	7	7	6	1	43							9
123	1	50	P105xAg155_F5S7_82-101-12-2-1__4234/87		7	7	8	7	7	6	2	44	5	7	6				9
124	1	50	B73Htrhm	Bergquist/86	7	6	6	5	2	1	1	28							9
125	1	50	B73Htrhm	Bergquist/86	6	6	6	5	3	1	1	28							9
126	1	50	B73Htrhm	Bergquist/86	7	7	6	5	3	1	1	30							9
127	1	50	105x155F5S5xB73Htrhm_S0_4896_x_4861/86		9	9	8	8	8	7	1	50							9
128	1	50	105x155F5S5xB73Htrhm_S0_4896_x_4861/86		9	9	8	8	8	6	2	50	8	9	8				9
129	1	50	105x155F5S5xB73Htrhm_S0_4896_x_4861/86		9	8	8	7	7	5	2	46	7	8	8				9
			B73Ht____(BORDER)_____	Downing/85	7	6	6	5	2	1	1	28							9
			B73Ht____(BORDER)_____	Downing/85	7	6	6	5	3	1	1	29							9
			B73Ht____(BORDER)_____	Downing/85	7	6	6	5	3	1	1	29							9
			MEANS		8	7	7	6	6	3	1								

Table 121. Experiment 51 Andrews, N.C. 1988 GLS test for NC250A x B73 families.

PLOT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/28	8/28	9/04	9/07	10/01	TOTAL	EARTH	APP	KCK	KEQ	LOD
93-31	1	51	NC250A x B73	S2 2932-001/82	6	5	6	4	2	1	25	085		1		9
93-32	1	51	NC250A x B73	S2 2932-002/82	7	5	6	5	4	2	1	30	095		1		9
93-33	1	51	NC250A x B73	S2 2932-003/82	8	7	7	6	4	2	1	35	085		1		9
93-34	1	51	NC250A x B73	S2 2932-004/82	7	7	6	5	3	1	1	30	080		1		9
93-35	1	51	NC250A x B73	S2 2932-005/82	7	6	6	6	4	2	1	32	075		2		9
93-36	1	51	NC250A x B73	S2 2932-006/82	7	6	6	5	5	2	1	32	070		2		9
93-37	1	51	NC250A x B73	S2 2932-007/82	8	7	7	6	6	3	1	38	075	4	6	4	9
93-38	1	51	NC250A x B73	S2 2932-008/82	8	7	7	6	6	4	1	39	070	6	7	4	9
93-39	1	51	NC250A x B73 SOS	S2 2932-009/82	7	6	7	6	5	2	1	34	070		2		9
93-40	1	51	NC250A x B73	S2 2932-010/82	8	7	7	7	7	3	1	40	065	7	8	5	9
93-41	1	51	NC250A x B73	S2 2932-011/82	8	8	7	6	6	3	1	39	075	7	4	4	9
93-42	1	51	NC250A x B73	S2 2932-012/82	7	7	7	6	6	3	1	37	080	7	4	5	9
93-43	1	51	NC250A x B73	S2 2932-013/82	6	6	6	6	5	2	1	32	090		6		9
93-44	1	51	NC250A x B73	S2 2932-014/82	7	7	7	6	6	2	1	36	085		7		9
93-45	1	51	NC250A x B73	S2 2932-015/82	7	6	6	6	4	1	1	31	090		8		9
93-46	1	51	B73	190/84	6	6	6	5	4	1	1	29	085		3		9
93-47	1	51	NC250A x B73	S2 2932-016/82	7	6	6	5	3	1	1	29	100		2		9
93-48	1	51	NC250A x B73	S2 2932-017/82	7	6	6	5	4	2	1	31	070		2		9
93-49	1	51	NC250A x B73	S2 2932-018/82	7	7	7	6	5	1	1	34	085		2		9
93-50	1	51	NC250A x B73	S2 2932-019/82	6	5	6	4	2	1	1	25	090		2		9
93-51	1	51	NC250A x B73	S2 2932-020/82	7	6	7	6	6	2	1	35	070		2		9
93-52	1	51	NC250A x B73	S2 2932-021/82	7	6	7	5	5	2	1	33	100		4		9
93-53	1	51	NC250A x B73	S2 2932-022/82	8	6	6	6	5	2	1	34	090		2		9
93-54	1	51	NC250A x B73	S2 2932-023/82	7	6	7	6	5	2	1	34	090		3		9
93-55	1	51	NC250A x B73	S2 2932-024/82	8	6	7	6	5	2	1	35	080		5		9
93-56	1	51	NC250A x B73	S2 2932-025/82	7	6	6	6	5	2	1	33	085		2		9
93-57	1	51	NC250A x B73	S2 2932-026/82	7	6	6	5	2	1	1	28	070		1		9
93-58	1	51	NC250A x B73	S2 2932-027/82	7	6	7	5	5	2	1	33	110		2		9
93-59	1	51	NC250A x B73	S2 2932-028/82	7	6	6	5	3	2	1	30	090		3		9
93-60	1	51	NC250A x B73	S2 2932-029/82	8	8	7	6	6	4	2	41	085	7	5	5	9
93-61	1	51	NC250A x B73	S2 2932-030/82	9	8	8	6	3	2	1	37	080		2		9
93-62	1	51	NC250A x B73	S2 2932-031/82	8	7	7	6	4	2	1	35	080		6		9
93-63	1	51	NC250A	5621/85	8	8	8	7	7	4	2	44	060	6	7	4	9
93-64			B73Ht (BORDER)	Downing/85	6	6	6	5	2	1	1	27	070		1		9
94-21	1	51	NC250A x B73	S2 2932-032/82	7	6	7	6	3	2	1	32	085		1		9
94-22	1	51	NC250A x B73	S2 2932-033/82	7	6	6	5	3	1	1	29	080		1		9
94-23	1	51	NC250A x B73	S2 2932-034/82	7	6	5	4	3	1	1	27	080		4		9
94-24	1	51	NC250A x B73	S2 2932-035/82	7	7	7	6	4	1	1	33	080		3		9
94-25	1	51	NC250A x B73	S2 2932-036/82	7	6	7	6	5	2	1	34	075		8		9
94-26	1	51	NC250A x B73	S2 2932-037/82	7	6	7	5	4	1	1	31	085		1		9
94-27	1	51	NC250A x B73	S2 2932-038/82	7	6	7	6	5	2	1	34	090		1		9
94-28	1	51	NC250A x B73	S2 2932-039/82	8	7	8	6	5	3	1	38	085		7		9
94-29	1	51	NC250A x B73	S2 2932-040/82	7	6	7	6	6	3	1	36	080	8	8	5	9
94-30	1	51	NC250A x B73	S2 2932-041/82	8	6	7	6	5	2	1	35	085		6		9
94-31	1	51	NC250A x B73	S2 2932-042/82	7	6	7	6	4	2	1	33	080		2		9
94-32	1	51	NC250A x B73	S2 2932-043/82	7	6	7	6	5	2	1	34	075		3		9
94-33	1	51	NC250A x B73	S2 2932-044/82	7	7	7	6	6	4	1	38	060	6	4	5	9
94-34	1	51	NC250A x B73	S2 2932-045/82	7	6	7	6	5	1	1	33	075		4		9
94-35	1	51	NC250A x B73	S2 2932-046/82	7	7	7	6	4	2	1	34	85		4		9
94-36	1	51	NC250A x B73	S2 2932-047/82	8	7	7	6	5	2	1	36	090		8		9
94-37	1	51	NC250A x B73	S2 2932-048/82	8	8	8	6	6	2	1	39	085		3		9

Table 121. Experiment 51 Andrews, N.C. 1988 GLS test for NC250A x B73 families.

PLOT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	8/54	9/17	9/30	10/11	TOTAL	EAR HT	APP	KIRK	EAR Q	LODG
94-38	1	51	NC250A x B73	S2 2932-049/82	7	7	7	6	5	3	1	36	085		3		9
94-39	1	51	NC250A x B73	S2 2932-050/82	7	7	7	6	5	3	1	36	090		9		9
94-40	1	51	NC250A x B73	S2 2932-051/82	7	6	7	6	6	3	1	36	070	7	8	5	9
94-41	1	51	NC250A x B73	S2 2932-052/82	7	7	7	7	6	3	1	38	070	7	7	6	9
94-42	1	51	NC250A x B73	S2 2932-053/82	7	6	6	5	4	2	1	31	080		7		9
94-43	1	51	NC250A x B73	S2 2932-054/82	7	6	7	6	4	3	1	34	070		6		9
94-44	1	51	NC250A x B73	S2 2932-055/82	7	6	7	6	4	1	1	32	080		1		9
94-45	1	51	NC250AxB73-CMS-C(Sisco)	S0 3697x3696/87	7	8	7	7	6	3	1	39	085		6		9
94-46	1	51	NC250A x B73	S2 2932-056/82	6	5	6	6	4	1	1	29	075		5		9
94-47	1	51	NC250A x B73	S2 2932-057/82	7	6	6	5	2	1	1	28	060		1		9
94-48	1	51	NC250A x B73	S2 2932-058/82	7	6	7	5	3	1	1	30	070		1		9
94-49	1	51	NC250A x B73	S2 2932-059/82	6	5	7	5	4	2	1	30	075		2		9
94-50	1	51	NC250A x B73	S2 2932-060/82	7	6	7	6	3	2	1	32	060		7		9
94-51	1	51	NC250A x B73	S2 2932-061/82	8	6	7	6	4	2	1	34	070		8		9
94-52	1	51	NC250A x B73	S2 2932-062/82	7	5	6	6	3	2	1	30	095		1		9
94-53	1	51	NC250A x B73	S2 2932-063/82	8	6	7	6	5	2	1	35	090		2		9
94-54	1	51	NC250A x B73	S2 2932-064/82	7	6	5	5	4	1	1	29	090		2		9
94-55	1	51	NC250A x B73	S2 2932-065/82	7	6	6	6	5	3	1	34	090		2		9
94-56	1	51	NC250A x B73	S2 2932-066/82								0					
94-57	1	51	NC250A x B73	S2 2932-067/82	7	5	6	5	3	1	1	28	095		9		9
94-58	1	51	NC250A x B73	S2 2932-068/82	7	5	6	5	4	2	1	30	070		5		9
94-59	1	51	NC250A x B73	S2 2932-069/82	7	6	7	6	5	3	1	35	075		8		9
94-60	1	51	NC250A x B73	S2 2932-070/82	7	6	7	5	4	2	1	32	080		1		9
94-61	1	51	NC250A x B73	S2 2932-071/82	7	6	7	5	4	2	1	32	090		1		9
94-62	1	51	NC250AxB73-CMS-C(Sisco)	S0 3697x3696/87	8	7	8	7	7	4	1	42	095		5		9
94-63	1	51	NC250A x B73	S2 2932-072/82	7	6	7	6	5	2	1	34	080		8		9
94-64			B73Ht (BORDER)	Downing/85	7	6	6	5	3	1	1	29	075		1		9
95-21	1	51	NC250A	5621/85	8	7	7	6	6	4	1	39	070		6		9
95-22	1	51	NC250A x B73	S2 2932-073/82	7	6	6	5	4	2	1	31	075		8		9
95-23	1	51	NC250A x B73	S2 2932-074/82	7	6	6	5	4	2	1	31	090		4		9
95-24	1	51	NC250A x B73	S2 2932-075/82	7	6	6	6	4	1	1	31	085		6		9
95-25	1	51	NC250A x B73	S2 2932-076/82	7	6	6	6	5	1	1	32	080		3		9
95-26	1	51	NC250A x B73	S2 2932-077/82	7	6	7	6	5	3	1	35	100		7		9
95-27	1	51	NC250A x B73	S2 2932-078/82	7	7	7	5	4	2	1	33	100		2		9
95-28	1	51	B73	190/84	7	6	6	5	3	1	1	29	090		2		9
95-29	1	51	NC250A x B73	S2 2932-079/82	8	7	7	6	5	2	1	36	095		8		9
95-30	1	51	NC250A x B73	S2 2932-080/82	7	6	6	5	3	1	1	29	100		7		9
95-31	1	51	NC250A x B73	S2 2932-081/82	7	6	6	5	4	1	1	30	085		1		9
95-32	1	51	NC250A x B73	S2 2932-082/82	7	6	6	6	4	2	1	32	100		2		9
95-33	1	51	NC250A x B73	S2 2932-083/82	8	6	7	5	3	1	1	31	080		5		9
95-34	1	51	NC250A x B73	S2 2932-084/82	7	7	7	6	5	3	1	36	075		6		9
95-35	1	51	NC250A x B73	S2 2932-085/82	6	5	5	5	4	1	1	27	100		7		9
95-36	1	51	NC250A x B73	S2 2932-086/82	7	6	6	4	3	1	1	28	075		2		9
95-37	1	51	NC250A x B73	S2 2932-087/82	7	6	6	6	5	2	1	33	065		8		9
95-38	1	51	NC250A x B73	S2 2932-088/82	7	5	6	5	5	2	1	31	090		8		9
95-39	1	51	NC250A x B73	S2 2932-089/82	7	6	7	6	5	2	1	34	085		2		9
95-40	1	51	NC250A x B73	S2 2932-090/82	7	6	6	5	4	1	1	30	070		1		9
95-41	1	51	NC250A x B73	S2 2932-091/82	7	6	6	6	3	2	1	31	090		7		9
95-42	1	51	NC250A x B73	S2 2932-092/82	7	7	7	6	2	1	1	31					
95-43	1	51	NC250A x B73	S2 2932-093/82								0					
95-44	1	51	NC250A x B73	S2 2932-094/82	7	7						0					

Table 121. Experiment 51 Andrews, N.C. 1988 GLS test for NC250A x B73 families.

PLOT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/28	8/28	9/04	9/07	10/10	TOTAL	EARTH	APP	KCK	EARQ	LODG
95-45	1	51	NC250A x B73	S2 2932-095/82	7	7	6	6	5	1	33	100		2		9
95-46	1	51	NC250A x B73	S2 2932-096/82	8	7	7	6	5	2	36	080		2		9
95-47	1	51	NC250A x B73	S2 2932-097/82	7	6	7	6	4	2	33	080		6		9
95-48	1	51	NC250A x B73	S2 2932-098/82	7	6	6	6	4	2	32	085		2		9
95-49	1	51	NC250A x B73	S2 2932-099/82	7	6	6	6	5	1	32	085		4		9
95-50	1	51	NC250A x B73	S2 2932-100/82	6	5	6	5	4	2	29	090		7		9
95-51	1	51	NC250A x B73	S2 2932-101/82	7	6	6	6	4	2	32	065		3		9
95-52	1	51	NC250A x B73	S2 2932-102/82	6	6	7	6	5	2	33	075		7		9
95-53	1	51	NC250A x B73	S2 2932-103/82	7	7	7	6	6	2	36	085		5		9
95-54	1	51	NC250A x B73	S2 2932-104/82	6	5	5	4	2	1	24	095		2		9
95-55	1	51	NC250A x B73	S2 2932-105/82	7	6	6	6	4	2	32	095		1		9
95-56	1	51	NC250A x B73	S2 2932-106/82	8	6	7	6	5	2	35	100		6		9
95-57	1	51	NC250A x B73	S2 2932-107/82	8	6	7	6	4	1	33	095		1		9
95-58	1	51	NC250A x B73	S2 2932-108/82	7	6	7	5	5	2	33	085		6		9
95-59	1	51	NC250A x B73	S2 2932-109/82	7	6	7	6	5	2	34	070		1		9
95-60	1	51	NC250A x B73	S2 2932-110/82	7	5	6	5	3	2	29	095		3		9
95-61	1	51	NC250A x B73	S2 2932-111/82	7	6	6	5	2	1	28	080		1		9
95-62	1	51	NC250A x B73	S2 2932-112/82	8	7	7	6	4	2	35	085		2		9
95-63	1	51	NC250A x B73	S2 2932-113/82	7	6	6	5	3	1	29	080		7		9
95-64			B73Ht (BORDER)	Downing/85	7	6	6	5	3	1	29	075		3		9
96-21	1	51	NC250A x B73	S2 2932-114/82	7	6	6	6	4	2	32	085		2		9
96-22	1	51	NC250A x B73	S2 2932-115/82	8	7	7	7	7	3	41	095	6	9	1	9
96-23	1	51	NC250A x B73	S2 2932-116/82	8	7	7	7	7	3	40	080	7	7	5	9
96-24	1	51	NC250A x B73	S2 2932-117/82	7	6	6	6	5	2	33	095		2		9
96-25	1	51	NC250A x B73	S2 2932-118/82	7	6	6	6	4	1	31	090		1		9
96-26	1	51	NC250A x B73	S2 2932-119/82	7	6	6	6	5	2	33	090		8		9
96-27	1	51	NC250A x B73	S2 2932-120/82	6	6	7	6	5	2	33	090		4		9
96-28	1	51	NC250A x B73	S2 2932-121/82	8	8	7	6	6	2	38	065		4		9
96-29	1	51	NC250A x B73	S2 2932-122/82	7	7	6	6	5	1	33	080		2		9
96-30	1	51	NC250A x B73	S2 2932-123/82	7	6	7	6	5	2	34	070		6		9
96-31	1	51	NC250A x B73	S2 2932-124/82	7	6	6	5	4	1	30	085		7		9
96-32	1	51	NC250A x B73	S2 2932-125/82	8	7	8	7	6	3	41	100	8	9	6	9
96-33	1	51	NC250A x B73	S2 2932-126/82	7	7	7	6	5	3	36	080		1		9
96-34	1	51	NC250A x B73	S2 2932-127/82	7	7	7	6	6	3	37	080	7	9	4	9
96-35	1	51	NC250A x B73	S2 2932-128/82	7	6	7	6	5	3	35	085		7		9
96-36	1	51	NC250A x B73	S2 2932-129/82	7	7	7	6	4	2	34	075		2		9
96-37	1	51	NC250A x B73	S2 2932-130/82	7	7	6	6	4	2	33	100		5		9
96-38	1	51	NC250A x B73	S2 2932-131/82	6	5	5	4	3	1	25	090		4		9
96-39	1	51	NC250A x B73	S2 2932-132/82	7	7	7	6	5	2	35	080		6		9
96-40	1	51	NC250A x B73	S2 2932-133/82	7	6	7	7	6	3	37	085	8	8	6	9
96-41	1	51	NC250A x B73	S2 2932-134/82	7	6	6	5	3	1	29	070		1		9
96-42	1	51	NC250A x B73	S2 2932-135/82	7	7	7	7	7	4	40	080	7	5	5	9
96-43	1	51	NC250A x B73	S2 2932-136/82	6	6	6	5	3	1	28	100		3		9
96-44	1	51	NC250A x B73	S2 2932-137/82	7	6	7	5	4	1	31	080		1		9
96-45	1	51	NC250A x B73	S2 2932-138/82	7	6	7	5	4	1	31	080		2		9
96-46	1	51	NC250A x B73	S2 2932-139/82	7	7	7	6	6	4	38	080	8	8	5	9
96-47	1	51	NC250A x B73	S2 2932-140/82	7	7	6	5	4	1	31	060		1		9
96-48	1	51	NC250A x B73	S2 2932-141/82	7	6	6	6	5	2	33	080		2		9
96-49	1	51	NC250A x B73	S2 2932-142/82	7	6	7	6	5	2	34	085		7		9
96-50	1	51	NC250A x B73	S2 2932-143/82	6	6	7	6	5	2	33	095		3		9
96-51	1	51	NC250A x B73 SOS	S2 2932-144/82	8	7	7	6	6	1	36	060		5		9

Table 121. Experiment 51 Andrews, N.C. 1988 GLS test for NC250A x B73 families.

PLOT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/28	8/28	9/04	9/07	10/10	TOTAL	EARHT	APP	KCK	KERQ	LODG
96-52	1	51	NC250A x B73	S2 2932-145/82	7	6	6	6	4	1	1	31	085		3		9
96-53	1	51	NC250A x B73	S2 2932-146/82	7	6	6	6	4	1	1	31	070		1		9
96-54	1	51	NC250A x B73	S2 2932-147/82	7	6	6	6	5	2	1	33	080		3		9
96-55	1	51	NC250A x B73	S2 2932-148/82	7	6	7	6	4	2	1	33	080		1		9
96-56	1	51	NC250A x B73	S2 2932-149/82	7	6	6	5	4	2	1	31	080		2		9
96-57	1	51	NC250A x B73	S2 2932-150/82	7	6	6	6	4	2	1	32	095		7		9
96-58	1	51	NC250A x B73	S2 2932-151/82	7	6	7	6	2	1	1	30	090		6		9
96-59	1	51	NC250A x B73	S2 2932-152/82	8	7	7	7	6	3	1	39	075	7	9	5	9
96-60	1	51	NC250A x B73	S2 2932-153/82	8	7	7	5	4	1	1	33	055		2		9
96-61	1	51	NC250A x B73	S2 2932-154/82	7	7	7	5	3	1	1	31	095		1		9
96-62	1	51	NC250A x B73	S2 2932-155/82	8	7	7	6	5	2	1	36	085		6		9
96-63	1	51	NC250A x B73	S2 2932-156/82	7	7	7	6	5	2	1	35	090		8		9
96-64			B73Ht (BORDER)	Downing/85	7	6	6	5	4	1	1	30	080		1		9
97-21	1	51	NC250A x B73	S2 2932-157/82	7	7	6	6	4	2	1	33	085		8		9
97-22	1	51	NC250A x B73	S2 2932-158/82	7	6	7	6	5	2	1	34	080		6		9
97-23	1	51	NC250A x B73	S2 2932-159/82	7	7	7	6	5	3	1	36	090		9		9
97-24	1	51	NC250A x B73	S2 2932-160/82	7	7	6	6	4	1	1	32	080		4		9
97-25	1	51	NC250A x B73	S2 2932-161/82	8	8	8	6	5	2	1	38	070		8		9
97-26	1	51	NC250A x B73	S2 2932-162/82	7	8	7	5	4	2	1	34	080		4		9
97-27	1	51	NC250A x B73	S2 2932-163/82	7	8	7	6	6	2	1	37	080		7		9
97-28	1	51	NC250A x B73	S2 2932-164/82	7	7	7	7	6	3	1	38	100	7	8	4	9
97-29	1	51	NC250A x B73	S2 2932-165/82	7	7	7	6	5	2	1	35	085		4		9
97-30	1	51	NC250A x B73	S2 2932-166/82	8	7	7	6	6	2	1	37	080		9		9
97-31	1	51	NC250A x B73	S2 2932-167/82	8	7	7	6	6	2	1	37	080		7		9
97-32	1	51	NC250A x B73	S2 2932-168/82	7	6	6	4	3	1	1	28	070		6		9
97-33	1	51	NC250A x B73	S2 2932-169/82	7	6	7	6	5	2	1	34	090		7		9
97-34	1	51	NC250A x B73	S2 2932-170/82	7	6	6	5	4	2	1	31	090		1		9
97-35	1	51	NC250A x B73	S2 2932-171/82	7	6	7	7	6	3	1	37	090	8	9	4	9
97-36	1	51	NC250A x B73	S2 2932-172/82	7	6	7	6	5	2	1	34	095		2		9
97-37	1	51	NC250A x B73	S2 2932-173/82	7	6	7	6	5	2	1	34	085		1		9
97-38	1	51	NC250A x B73	S2 2932-174/82	7	6	6	5	4	1	1	30	100		6		9
97-39	1	51	NC250A x B73	S2 2932-175/82	8	8	7	7	5	2	1	38	080		1		9
97-40	1	51	NC250A x B73	S2 2932-176/82	6	6	7	6	5	2	1	33	080		4		9
97-41	1	51	NC250A x B73	S2 2932-177/82	7	7	7	6	5	3	1	36	095		7		9
97-42	1	51	NC250A x B73	S2 2932-178/82	6	6	6	5	4	2	1	30	065		2		9
97-43	1	51	NC250A x B73	S2 2932-179/82	7	6	6	5	4	1	1	30	080		3		9
97-44	1	51	NC250A x B73	S2 2932-180/82	7	6	7	6	5	3	1	35	080		7		9
97-45	1	51	NC250A x B73	S2 2932-181/82	8	8	8	7	6	3	1	41	070	7	8	5	9
97-46	1	51	NC250A x B73	S2 2932-182/82	7	6	7	6	6	3	2	37	090	8	9	6	9
97-47	1	51	NC250A x B73	S2 2932-183/82	8	7	8	7	6	4	2	42	070	8	9	7	9
97-48	1	51	NC250A x B73	S2 2932-184/82	7	6	7	6	4	1	1	32	080		3		9
97-49	1	51	NC250A x B73	S2 2932-185/82	7	7	7	6	5	3	1	36	075		2		9
97-50	1	51	NC250A x B73	S2 2932-186/82	7	6	6	6	5	2	1	33	070		3		9
97-51	1	51	NC250A x B73	S2 2932-187/82	7	6	7	6	6	2	2	36	075	8	8	5	9
97-52	1	51	NC250A x B73	S2 2932-188/82	7	6	6	5	4	1	1	30	085		4		9
97-53	1	51	NC250A x B73	S2 2932-189/82	7	6	7	6	5	2	1	34	085		2		9
97-54	1	51	NC250A x B73	S2 2932-190/82	7	6	7	6	5	3	1	35	085		8		9
97-55	1	51	NC250A x B73	S2 2932-191/82	7	6	7	5	4	2	1	32	055		1		9
97-56	1	51	NC250A	5621/85	8	6	7	6	5	3	1	36	055		2		9
97-57	1	51	NC250A x B73	S2 2932-192/82	6	6	5	4	2	1	1	25	075		1		9
97-58	1	51	NC250A x B73	S2 2932-193/82	7	6	6	6	5	2	1	33	095		7		9

Table 121. Experiment 51 Andrews, N.C. 1988 GLS test for NC250A x B73 families.

PLOT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/85	9/14	9/17	10/10	1 TOT AL	EAR HT	APP	KCK	EAR Q	LOD G
97-59	1	51	NC250A x B73	S2 2932-194/82	7	6	6	5	3	1	1	29	065	_	2	_	9
97-60	1	51	NC250A x B73	S2 2932-195/82	8	8	7	7	6	3	1	40	090	6	7	5	9
97-61	1	51	NC250A x B73	S2 2932-196/82	7	7	7	6	2	1	1	31	075	_	1	_	9
97-62	1	51	NC250A x B73	S2 2932-197/82	8	8	8	7	6	2	1	40	090	_	8	_	9
97-63	1	51	NC250A x B73	S2 2932-198/82	8	7	8	7	6	3	1	40	095	8	9	6	9
97-64			B73Ht (BORDER)	Downing/85	7	6	7	5	4	1	1	31	080	_	2	_	9
98-21	1	51	NC250A x B73	S2 2932-199/82	7	6	4	3	2	1	1	24	075	_	1	_	9
98-22	1	51	B73	190/84	7	6	6	5	3	1	1	29	085	_	4	_	9
98-23	1	51	NC250AxB73-CMS-C(Sisco)	S0 3697x3696/87	8	6	7	7	7	5	1	41	105	_	6	_	9
98-24	1	51	NC250A x B73	S2 2932-200/82	7	6	6	6	5	2	1	33	075	_	1	_	9
98-25	1	51	NC250A x B73	S2 2932-210/82	7	6	6	6	5	2	1	33	085	_	9	_	9
98-26	1	51	NC250A x B73	S2 2932-220/82	7	6	6	5	4	1	1	30	075	_	2	_	9
98-27	1	51	NC250A x B73	S2 2932-222/82	8	7	7	7	6	3	2	40	085	8	7	5	9
98-28	1	51	NC250A x B73	S2 2932-234/82	7	6	6	6	5	2	1	33	085	_	8	_	9
98-29	1	51	NC250A x B73	S2 2932-239/82	8	7	8	7	7	4	2	43	080	7	8	5	9
98-30	1	51	NC250A x B73	S2 2932-252/82	7	6	7	6	6	3	2	37	085	8	8	1	9
98-31	1	51	NC250A x B73	S2 2932-262/82	7	6	7	5	5	3	2	35	095	7	7	4	9
98-32	1	51	NC250A x B73	S2 2932-264/82	7	6	7	6	5	2	1	34	095	_	2	_	9
98-33	1	51	NC250A x B73	S2 2932-271/82	7	6	6	5	4	2	1	31	105	_	2	_	9
98-34	1	51	NC250A x B73	S2 2932-285/82	8	6	7	5	6	3	1	36	070	8	2	5	9
98-35	1	51	NC250A x B73	S2 2932-288/82	7	6	7	6	5	2	1	34	070	_	5	_	9
98-36	1	51	NC250A x B73	S2 2932-327/82	7	6	6	6	5	2	1	33	075	_	1	_	9
MEANS					7	6	7	6	4	2	1						

Table 122. ANDREWS, N.C. 1988 OFFICIAL VARIETY TEST GLS MEANS
RATINGS OVER 4 REPLICATIONS AT 1 LOCATION

	DISEASE SCORE							YIELD	%		
ENT	8/3	8/12	8/18	8.25	9/4	9/17	10/10	TOTAL	B/A	MOIS	LODG	PEDIGREE
1	6.75	7.00	6.75	6.00	5.25	1.50	1.00	34.25	111	16.2	9.00	SS 728
2	7.25	7.50	7.00	6.25	5.75	2.50	1.00	37.25	135	16.8	9.00	Garst 8315
3	6.00	7.00	6.50	5.75	5.25	2.50	1.00	34.00	125	18.5	9.00	Garst 8116
4	6.25	6.25	6.50	6.00	5.25	3.00	1.00	34.25	102	18.6	9.00	Funk's G-4666
5	6.75	6.50	6.25	5.25	4.00	1.50	1.00	31.25	104	16.3	9.00	Funk's G-4665
6	8.50	8.00	7.25	7.00	6.75	4.75	1.25	43.50	122	18.8	9.00	Funk's G-4743
7	8.00	7.75	7.00	6.00	5.50	3.50	1.25	39.00	83	16.4	9.00	Pioneer 3328
8	5.50	5.75	6.50	5.50	4.75	2.25	1.00	31.25	103	16.5	9.00	Pioneer 3352
9	7.00	7.25	7.00	6.25	5.50	3.00	1.00	37.00	124	17.6	9.00	Pioneer 3140
10	6.50	6.25	6.25	6.00	5.75	3.75	1.00	35.50	118	20.1	9.00	Pioneer 3192
11	6.50	7.00	6.75	6.25	6.25	5.00	2.50	40.25	142	20.7	9.00	Pioneer 3110
12	7.00	6.50	6.75	6.00	5.75	4.50	1.50	38.00	135	19.3	9.00	Pioneer 3136
13	6.50	6.50	6.00	5.50	4.75	2.00	1.00	32.25	101	16.9	9.00	AgraTech 825
14	6.25	7.00	6.50	5.75	5.00	2.50	1.00	34.00	117	18.6	9.00	AgraTech 888
15	7.00	6.75	6.50	6.00	6.00	2.00	1.00	35.25	107	16.5	9.00	Coker 8625
16	6.75	6.25	5.75	5.00	3.75	2.25	1.00	30.75	114	18.1	9.00	Coker 8690
17	7.25	7.75	7.75	7.00	6.75	3.75	1.25	41.50	133	18.3	9.00	Coker 8696
18	6.25	6.50	6.50	6.00	5.00	2.50	1.00	33.75	122	18.7	9.00	Coker 8701
19	8.75	8.00	6.75	5.75	4.75	3.25	1.00	38.25	121	16.5	9.00	Coker CX7681
20	6.00	6.25	6.50	5.75	4.50	2.50	1.00	32.50	115	19.0	9.00	McCurdy 7777
21	6.25	7.00	6.50	5.75	5.00	2.75	1.00	34.25	94	18.4	9.00	SeedTec St-7750
22	6.00	6.25	6.00	5.25	4.50	2.00	1.00	31.00	105	17.5	9.00	SeedTec St-7711
23	6.50	7.00	6.75	6.00	5.50	1.75	1.00	34.50	115	15.9	9.00	Super Crost 5460
24	6.50	6.75	7.00	6.25	6.00	2.25	1.00	35.75	119	16.5	9.00	Super Crost Exp 8116
25	9.00	8.25	7.00	6.00	5.00	3.25	1.00	39.50	122	18.1	9.00	Super Crost Exp. 8120
26	8.75	8.00	6.75	6.00	5.75	2.25	1.00	38.50	103	16.6	9.00	Super Crost Exp. 8121
27	6.75	7.50	6.75	6.00	5.25	3.00	1.00	36.25	115	18.3	9.00	Super Crost 6307
28	6.00	7.00	7.00	6.25	6.25	4.75	1.50	38.75	126	17.6	9.00	DK 689
29	6.75	6.75	7.00	6.00	6.00	4.75	1.50	38.75	120	20.4	9.00	DK 789
30	6.00	6.50	6.25	5.50	5.50	3.50	1.00	34.25	108	17.0	9.00	DK 649
31	7.50	8.00	7.00	6.50	5.50	2.00	1.00	37.50			9.00	NK X5326
32	8.25	7.50	6.75	5.50	4.75	2.25	1.25	36.25			9.00	NK X6637
33	7.00	7.75	6.75	6.25	5.75	1.50	1.00	36.00	108	16.1	8.50	HS 56
34	6.25	6.75	7.00	6.25	5.00	2.00	1.00	34.25	116	18.6	9.00	HS 60
35	7.25	7.50	6.75	5.50	4.50	2.00	1.00	34.50	110	16.3	9.00	HS 64
36	6.25	6.50	6.25	5.75	5.00	2.75	1.00	33.50	86	17.7	9.00	HS 97
37	6.25	6.75	6.50	5.75	5.25	1.25	1.00	32.75	129	15.8	9.00	Crist C-7115
38	6.50	7.25	6.50	6.00	4.75	1.25	1.00	33.25	101	16.0	9.00	Deltapine 5666
39	6.75	6.50	6.25	6.00	5.25	2.25	1.00	34.00	90	17.8	9.00	Deltapine 5750
40	7.50	8.00	7.50	6.75	6.25	4.75	1.50	42.25	162	22.5	9.00	Deltapine X9986
41	7.00	7.00	6.75	6.00	5.50	1.75	1.00	35.00	111	15.8	9.00	Jacques 7820
42	8.25	8.00	7.00	6.25	5.25	1.25	1.00	37.00	127	17.3	9.00	Jacques 8210
43	6.75	6.75	7.00	6.25	6.00	2.50	1.00	36.25	108	16.8	8.75	Jacques 8250
44	6.50	6.50	6.25	6.00	5.00	2.25	1.00	33.50	123	18.1	9.00	Jacques 8400
45	5.50	6.25	6.25	5.25	4.50	1.50	1.00	30.25	122	18.0	9.00	Jacques 9220
46	6.50	6.25	5.75	4.75	3.50	1.25	1.00	29.00	93	16.2	9.00	Crist C-8119
47	9.00	8.75	8.50	7.50	7.25	4.50	1.00	46.50	141	22.7	9.00	NC264 x NC262
48	8.25	7.75	7.25	6.50	6.00	4.00	1.75	41.50	143	18.1	9.00	NC266 x NC262
49	9.00	8.75	8.0	7.50	7.00	6.00	2.25	48.50	140	20.9	9.00	A.Dent x NC262
50	7.75	7.00	7.0	6.25	5.25	2.00	1.00	36.25	103	16.6	9.00	MM2217(Mo17RG) x NC262
51	8.50	7.75	8.0	7.00	7.00	5.50	1.75	45.50	105	16.7	9.00	NC270 x NC262
52	8.00	7.75	7.5	6.75	6.00	3.25	1.00	40.25	115	17.5	9.00	OH43E(MM2217) x NC262
	7.0	7.1	6.8	6.0	5.4	2.8	1.1	36.33	116			MEANS
	8.2	7.8	6.3	8.2	9.1	18.1	23.7	4.56	19			C.V. %
	.46	.43	.25	.35	.33	.36	.10	3.80	16			LSD (.05)

Table 122. ANDREWS, N.C. 1988 OFFICIAL VARIETY TEST GLS MEANS
RATINGS OVER 4 REPLICATIONS AT 1 LOCATION

	DISEASE SCORE							YIELD	%		
ENT	8/3	8/12	8/18	8.25	9/4	9/17	10/10	TOTAL	B/A	MOIS	LODG	PEDIGREE
	.33	.31	.18	.25	.24	.26	.07	2.74	11			MSERR (df=153)
	1.9	1.8	3.5	.12	2.9	.38	.35	31.51				MSREP (df=3)
	3.6	2.0	1.2	1.2	2.5	5.8	.41	68.73				MSENT (df=51)

Table 123. ANDREWS, N. C. 1988 GLS TEST MISCELLANEOUS INBREDS AND SINGLE CROSSES

PLOT	ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/12	8/5	9/4	9/7	10/10	TOTAL	LEAF APP	EAR PK	EAR CK	EAR RT	LODG
98-37			01		Coded Hybrids	9	9	8	8	7	7	3	51	9	9	9	9	
98-38			02		Coded Hybrids	8	8	8	8	7	5	1	45	9	9	8	9	
98-39			04		Coded Hybrids	9	9	8	7	7	6	4	50	9	9	8	9	
98-40			04		Coded Hybrids	9	9	8	8	8	7	3	52	8	8	6	9	
98-41			05		Coded Hybrids	9	9	8	8	7	5	2	48	9	9	9	9	
98-42			06		Coded Hybrids	9	9	8	7	7	6	2	48	8	9	7	9	
98-43			07		Coded Hybrids	9	9	8	8	8	7	2	51	8	9	7	9	
98-44			08		Coded Hybrids	9	9	8	8	8	7	3	52	9	9	8	9	
98-45			09		Coded Hybrids	9	9	8	7	8	6	2	49	8	9	8	9	
98-46			10		Coded Hybrids	9	9	8	8	8	7	3	52	9	9	9	9	
98-47			11		Coded Hybrids	9	9	8	8	8	6	3	51	8	9	8	9	
98-48			12		Coded Hybrids	9	8	8	7	7	4	2	45	8	8	8	9	
98-49			13		Coded Hybrids	9	8	8	8	7	3	2	45	8	7	8	9	
98-50			14		Coded Hybrids	8	7	7	7	6	3	3	41	9	8	9	9	
98-51			15		Coded Hybrids	8	9	8	7	7	5	3	47	6	7	2	9	
98-52			16		Coded Hybrids	9	8	8	8	7	7	3	50	9	9	9	9	
98-53			17		Coded Hybrids	9	8	8	7	7	4	2	45	9	8	9	9	
98-54			18		Coded Hybrids	9	9	8	8	7	3	1	45	8	4	5	9	
98-55			19		Coded Hybrids	8	7	7	7	7	5	3	44	8	7	8	9	
98-56			20		Coded Hybrids	7	6	6	5	5	2	1	32	6	4	5	9	
98-57			21		Coded Hybrids	9	9	8	8	6	4	2	46	8	7	8	9	
98-58			22		Coded Hybrids	8	8	7	6	6	3	1	39	9	7	8	9	
98-59			23		Coded Hybrids	9	8	7	7	6	4	3	44	9	8	8	9	
98-60			24		Coded Hybrids	9	9	8	8	7	5	3	49	8	8	8	9	
98-61			25		Coded Hybrids	9	9	8	8	6	5	2	47	7	5	4	9	
98-62			B14AHt		56/81	6	5	5	4	2	1	1	24				9	
98-63			B37	Stuber C2-49		6	5	6	4	3	2	1	27				9	
98-64			B73Ht	(BORDER)	Downing/85	7	6	7	6	3	1	1	31				9	
99-21			B68	ARH		7	6	6	6	4	2	1	32				9	
99-22			B89	Russell/88		7	6	7	7	5	1	1	34				9	
99-23			B90	Russell/88		8	7	6	6	3	1	1	32				9	
99-24			B91	Russell/88		8	7	7	6	2	1	1	32				9	
99-25			C103	426-1/84		8	7	7	6	4	1	1	34				9	
99-26			GT112	Sisco 168-blk/86		7	6	7	6	5	3	1	35				9	
99-27			Mo17Ht	Downing/86		8	6	6	6	5	2	1	34				9	
99-28			K55	Stuber C2-98		8	7	6	5	3	1	1	31				9	
99-29			GC88	(NC258)	(7090-1/85) 1647-bulk/86	8	8	8	7	7	5	1	44	6	8	2	9	
99-30			NC260	4101/87		8	6	6	6	5	1	1	33	5	5	5	9	
99-31			NC262	5641/85		6	6	6	5									
99-32			NC262A	(4084-1/84)	834-1/86	7	7	6	4	1	1	1	27	6	6	4	9	
99-33			NC264	Sisco 127/86		8	8	8	7	7	2	2	42	5	6	3	9	
99-34			NC266	(3387-2/83)	75% 4121/87	8	7	7	6	5	1	1	35	6	7	2	9	
99-35			NC268	(2073-1/83)	75% 4141/87	7	7	7	6	6	2	1	36	6	8	5	9	
99-36			NC270	(2056-1/83)	50% 4161-1/87	8	7	7	6	6	3	1	38	4	8	2	9	
99-37			NC274	(2108-1/83)	88% 3573/87	8	6	7	6	4	1	1	33	4	6	3	9	
99-38			NC286	GC105 (375-1/83) S4	814-1/86	9	7	8	8	8	7	3	50	7	8	6	9	
99-39			NC286	GC105 (375-1/83) S4	814-2/86	9	8	8	7	8	7	3	50	7	7	5	9	
99-40			NC288	GCT-2 12 (479-1/83) S6	813-1/86	8	8	7	7	7	3	1	41	5	2	2	9	
99-41			NC288	GCT-2 12 (479-1/83) S6	6182-1/86	8	8	8	7	7	3	1	42	6	6	6	9	
99-42			NC290	TZ70 (513-1/83) S7	3656-1/87	7	8	7	6	6	1	1	36	2	1	3	9	
99-43			Oh43	Sisco 1020/85		8	8	6	6									

Table 123. ANDREWS, N. C. 1988 GLS TEST MISCELLANEOUS INBREDS AND SINGLE CROSSES

PLOT	ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/13	8/12	8/28	9/25	9/14	10/17	TOTAL	AP	KIPK	EACQ	LORG
99-44				Oh43E	1430/86	8	8	7	6	5	1	1	36			9
99-45				Pa91	Sisco 311/84	7	7	7	5	4	2	1	33			9
99-46				Pa875	4873-1/86	8	7	8	7	7	3	1	41	5	1	2	9
99-47				SC55		7	7	8	7	7	6	2	44	7	6	5	9
99-48				T8	225/82	8	8	8	7	7	5	1	44	6	6	6	9
99-49				T232	82/80	8	7	7	7	6	3	1	39				9
99-50				Va59xT234_4N10216		8	8	8	8	8	4	1	45	8	5	7	9
99-51				Tzi_25	1119-1/87	8	8	7	7	7	3	1	41				9
99-52				Va59	216-blk/84	7	6	5	4	1	1	1	25				9
99-53				W64AHt	Sisco 52/86	6	5	2	1	1	1	1	17				9
99-54				B73_maydis_S6_75%_x_TZ70	49X50/86	9	8	8	8	7	5	3	48	8	9	8	9
99-55				B73_maydis_S6_75%_x_TZ70	77X78/86	8	8	7	8	8	6	4	49	8	9	8	9
99-56				B73_maydis_S8_50%_x_TZ70	103X04/86	9	8	8	8	8	7	4	52	7	9	8	9
99-57				F1Fshmr(Va35G)S5_88x_TZ70	157X58/86	9	8	8	8	7	5	3	48	8	6	7	9
99-58				ETO_B1(B73G)_50%_x_TZ70	171X72/86	9	9	8	8	8	7	3	52	8	9	8	9
99-59				A._Dent_2_S4_75%_x_TZ70	179X80/86	9	8	8	8	7	7	5	52	8	9	8	9
99-60				NC250A_x_P105xAg155	5004X5005/87	9	9	8	8	8	8	6	56	8	9	8	9
99-61		101		Mo17Ht_x_Mo18W		9	9	8	8	8	7	2	51	8	9	9	9
99-62		102		Pa91_x_C103GL		9	8	7	7	7	4	1	43	8	9	8	9
99-63		103		B73Ht_x_C164		9	8	7	8	8	6	2	48	9	9	9	9
99-64				B73Ht	Downing/85	7	6	6	6	4	1	1	31	6	2	5	9
100-21		104		B73Ht_x_NC250		8	7	7	7	6	4	1	40	7	9	6	9
100-22		105		P3233		8	7	7	7	7	5	2	43	8	9	8	9
100-23		106		B73Ht_x_Mo17Ht		8	7	7	7	6	1	1	37	8	7	8	9
100-24		107		Mo17Ht_x_Pa875		9	8	8	7	7	1	1	41	8	6	7	9
100-25		108		B73Ht_x_Va102		9	7	7	7	6	3	1	40	8	9	8	9
100-26		109		B73Ht_x_H99		8	7	7	6	5	1	1	35	7	6	8	9
100-27		110		Mo17Ht_x_Va59		8	7	7	7	6	2	1	38	8	9	8	9
100-28		111		Mo17Ht_x_Pa91		9	7	7	7	6	1	1	38	8	7	9	9
100-29		112		B73Ht_x_NC250A		8	7	7	7	7	4	1	41	8	6	8	9
100-30		113		Pa91_x_CI64		9	8	7	7	7	4	2	44	8	6	8	9
100-31		114		B73Ht_x_LH60		8	7	7	7	6	4	2	41	7	8	8	9
100-32		115		B73Ht_x_LH50		8	7	7	7	5	2	1	37	8	7	8	9
100-33		116		B73Ht_x_T222		9	8	7	8	8	6	1	47	9	9	8	9
100-34		117		Pa91_x_Mo18W		9	8	8	8	8	6	2	49	8	9	8	9
100-35		118		B73Ht_x_DE811		8	7	7	7	6	3	1	39	8	8	8	9
100-36		119		B73Ht_x_Pa91		8	7	7	7	5	3	1	38	9	9	9	9
100-37		120		P3320		9	7	7	7	7	5	1	43	8	9	8	9
100-38		121		P3352		7	7	6	7	6	3	2	38	8	7	7	9
100-39		122		B73Ht_x_Va59		8	7	7	7	7	4	1	41	7	5	6	9
100-40		123		Pa91_x_T222		9	8	8	8	8	7	2	50	8	9	7	9
100-41		124		B73Ht_x_M018W		9	9	8	8	8	7	1	50	8	9	8	9
100-42		125		B73Ht_x_NC264		9	7	7	7	7	5	1	43	8	7	7	9
100-43		126		B73Ht_x_T212		8	8	7	7	7	6	2	45	7	8	7	9
100-44		127		Pa91_x_LH51		8	9	7	7	7	5	1	44	6	6	6	9
100-45		128		B73Ht		8	7	7	7	6	4	1	40	8	8	8	9
100-46		129		Pa91_x_LH60		9	8	7	7	6	4	1	42	8	9	8	9
100-47		130		Mo17Ht_x_NC250A		9	9	8	8	8	2	1	45	8	4	7	9
100-48		131		B73Ht_x_Va60		8	8	7	8	7	5	2	45	8	8	8	9
100-49		132		B73Ht_x_C103GL		8	7	7	7	6	3	1	39	8	9	8	9
100-50		133		Pa91_x_De811		8	8	7	7	6	2	1	39	8	9	7	9

Table 123. ANDREWS, N. C. 1988 GLS TEST MISCELLANEOUS INBREDS AND SINGLE CROSSES

PLOT	ENT	REP	EXP	PEDIGREE	SOURCE	DISEASE SCORES 8/3	8/12	8/18	8/25	9/4	9/17	10/10	TOTAL	APP	KICK	EARQ	LODG
100-51		134		B73Ht_x_T234		8	7	7	7	7	2	1	39	8	6	8	9
100-52		135		Mo17Ht_x_CI64		9	8	8	8	8	1	1	43	7	4	5	9
100-53		136		B73Ht_x_MDM		9	8	8	8	7	4	1	45	7	8	7	9
100-54		137		Mo17Ht_x_NC250		9	8	8	8	8	5	1	47	7	6	6	9
100-55		138		B73Ht_x_FR33-16		8	7	7	7	6	4	1	40	6	4	5	9
100-56		139		Pa91_x_LH50		9	8	8	7	6	3	1	42	7	7	7	9
100-57		140		Pa91_x_Va59		8	8	7	6	5	2	1	37	7	3	4	9
100-58		141		B73Ht_x_B68Ht		7	6	6	5	3	2	1	30	7	7	6	9
100-59		142		Mo17Ht_x_H99		9	8	8	7	4	2	1	39	5	3	4	9
100-60		143		P3192		7	6	7	6	6	4	1	37	8	8	8	9
100-61		144		Pa91_x_NC250		9	9	8	8	7	5	1	47	7	6	6	9
100-62		145		LH132_x_J440		9	9	7	8	8	7	3	51	9	9	8	9
100-63		B73		(BORDER)	Downing/85	7	6	6	6	4	1	1	31	6	4	5	9
100-64		B73		(BORDER)	Downing/85	7	6	6	6	5	1	1	32	5	3	4	9

Table 124. TROPHY Low Moisture line test (set1) 1988
C36 Clayton N. C.

ENTRY	% ST	% LODG RL	% LODG SL	HEIGHT(cm) EAR	HEIGHT(cm) PLT	SILK	TASS	PEDIGREE	SOURCE		ID#
1	105	0.5	0.0	130.0	240.0	75.0	75.0	TROPHY LM C1	1523-2	(85)	7550
2	100	0.0	0.0	135.0	255.0	69.5	70.0	TROPHY LM C1	1523-3	(85)	7551
3	90	0.0	0.0	145.0	257.5	76.5	76.5	TROPHY LM C1	1523-7	(85)	7552
4	95	0.0	0.5	115.0	250.0	73.5	71.0	TROPHY LM C1	1523-8	(85)	7553
5	90	0.0	0.0	137.5	262.5	76.0	74.0	TROPHY LM C1	1523-11	(85)	7554
6	100	0.0	0.0	140.0	257.5	76.5	76.5	TROPHY LM C1	1523-16	(85)	7555
7	100	0.0	0.0	115.0	230.0	71.0	70.5	TROPHY LM C1	1523-20	(85)	7556
8	90	0.5	0.0	132.5	257.5	74.0	71.5	TROPHY LM C1	1523-31	(85)	7557
9	95	0.0	0.0	130.0	260.0	72.0	70.5	TROPHY LM C2	7235-1	(85)	7558
10	95	0.0	0.5	147.5	252.5	74.0	72.0	TROPHY LM C2	7235-4	(85)	7559
11	100	0.0	1.0	137.5	262.5	70.0	70.5	TROPHY LM C2	7235-7	(85)	7560
12	100	0.0	0.0	132.5	257.5	72.5	71.0	TROPHY LM C2	7235-8	(85)	7561
13	95	0.0	0.0	152.5	267.5	72.5	71.5	TROPHY LM C2	7235-86	(85)	7562
14	95	0.0	0.0	132.5	252.5	73.0	71.5	TROPHY LM C2	7235-13	(85)	7563
15	100	0.5	0.0	147.5	270.0	79.0	77.0	TROPHY LM C2	7235-18	(85)	7564
16	100	0.0	0.0	95.0	225.0	69.0	68.0	TROPHY LM C2	7235-20	(85)	7565
17	100	0.0	0.0	132.5	252.5	70.5	70.5	TROPHY LM C3	1602-5	(86)	7566
18	95	2.0	0.0	145.0	275.0	73.0	71.0	TROPHY LM C3	1602-6	(86)	7567
19	85	0.0	0.5	145.0	265.0	74.5	74.5	TROPHY LM C3	1602-121	(86)	7568
20	100	0.0	0.5	137.5	250.0	72.0	71.5	TROPHY LM C3	1602-22	(86)	7569
21	100	0.0	0.0	110.0	237.5	68.5	69.0	TROPHY LM C3	1602-23	(86)	7570
22	100	0.0	1.5	132.5	252.5	73.0	72.5	TROPHY LM C3	1602-29	(86)	7571
23	85	0.0	0.5	112.5	235.0	70.0	70.0	TROPHY LM C3	1602-33	(86)	7572
24	95	0.0	0.5	115.0	245.0	70.0	69.5	TROPHY LM C3	1602-123	(86)	7573
25	100	0.5	0.0	140.0	265.0	76.0	75.5	TROPHY LM C0	PLY	(84)	7574
26	90	0.0	0.0	95.0	210.0	72.5	71.0	B73Ht	DOWNING	(85)	7575
27	100	0.0	0.0	127.5	265.0	70.5	71.0	Pioneer 3165	REC. 1987		902
28	100	0.0	0.0	120.0	255.0	66.5	66.0	Pioneer 3389	REC. 1986		906
29	100	0.0	0.5	117.5	240.0	70.0	70.5	Dekalb 689	REC. 1986		909
30	100	0.0	0.0	110.0	240.0	65.0	65.0	B73Ht x Mo17HT	REC. 1987		901
	96.7	0.13	0.20	128.8	251.5	72.2	71.5	MEAN			
	6.35	276	159	6.2	3.7	1.4	1.8	C.V. %			
	12.5	0.75	0.65	16.3	19.3	2.1	2.6	LSD (0.05)			
	0.38	0.14	0.10	63.7	89.1	1.1	1.6	MS ERR (df=29)			
	0.07	0.07	1.07	426.7	1815.0	0.1	1.4	MS REP (df=1)			
	0.49	0.31	0.26	460.1	412.6	19.2	15.9	MS ENT (df=29)			

Table 125. TROPHY Low Moisture line test (set2) 1988
C37 Clayton N. C.

ENTRY	% ST	% LODG RL	% LODG SL	HEIGHT(cm) EAR	HEIGHT(cm) PLT	SILK	TASS	PEDIGREE	SOURCE	ID#
1	90	0.0	0.5	125.0	245.0	75.5	73.5	TROPHY LM C1	1523-33 (85)	7576
2	100	0.0	1.5	140.0	250.0	78.5	77.0	TROPHY LM C1	1523-35 (85)	7577
3	90	0.5	0.5	125.0	245.0	74.5	74.0	TROPHY LM C1	1523-36 (85)	7578
4	100	0.0	0.5	127.5	230.0	75.0	73.5	TROPHY LM C1	1523-37 (85)	7579
5	95	0.5	0.0	127.5	235.0	72.5	71.5	TROPHY LM C1	1523-41 (85)	7580
6	95	0.0	0.5	135.0	247.5	76.5	75.5	TROPHY LM C1	1523-47 (85)	7581
7	100	0.0	0.5	127.5	227.5	75.0	73.5	TROPHY LM C1	1523-48 (85)	7582
8	95	0.0	0.5	142.5	250.0	75.5	74.5	TROPHY LM C1	1523-49 (85)	7583
9	100	0.0	0.5	130.0	237.5	74.0	75.0	TROPHY LM C2	7235-23 (85)	7584
10	100	0.0	0.5	145.0	252.5	72.5	70.5	TROPHY LM C2	7235-97 (85)	7585
11	105	0.0	0.0	140.0	257.5	73.0	72.5	TROPHY LM C2	7235-27 (85)	7586
12	100	0.0	0.0	135.0	230.0	75.0	73.5	TROPHY LM C2	7235-29 (85)	7587
13	95	0.0	0.0	112.5	230.0	71.5	71.0	TROPHY LM C2	7235-36 (85)	7588
14	105	0.0	0.0	122.5	240.0	77.0	74.0	TROPHY LM C2	7235-44 (85)	7589
15	100	0.0	0.5	155.0	260.0	75.5	74.5	TROPHY LM C2	7235-46 (85)	7590
16	100	0.5	0.0	142.5	265.0	77.5	76.5	TROPHY LM C2	7235-48 (85)	7591
17	95	0	0.0	110.0	235.0	73.0	72.0	TROPHY LM C3	1602-39 (86)	7592
18	105	0	0.0	130.0	252.5	72.5	71.5	TROPHY LM C3	1602-42 (86)	7593
19	100	0	0.5	120.0	220.0	72.0	71.0	TROPHY LM C3	1602-43 (86)	7594
20	95	0	0.0	122.5	227.5	75.0	75.0	TROPHY LM C3	1602-52 (86)	7595
21	100	0	0.0	130.0	247.5	72.5	72.5	TROPHY LM C3	1602-55 (86)	7596
22	100	0	0.5	122.5	245.0	71.0	70.5	TROPHY LM C3	1602-58 (86)	7597
23	100	0	0.5	122.5	250.0	73.5	72.5	TROPHY LM C3	1602-60 (86)	7598
24	95	0	0.5	102.5	220.0	70.5	70.0	TROPHY LM C3	1602-65 (86)	7599
25	100	0	0.0	147.5	257.5	77.0	76.0	TROPHY LM C0	PLY (84)	7574
26	95	0	0.0	92.5	202.5	71.5	70.5	B73Ht	DOWNING (85)	7575
27	95	0	0.0	122.5	247.5	71.5	71.0	Pioneer 3165	REC. 1987	902
28	90	0	0.5	120.0	242.5	68.5	68.5	Pioneer 3389	REC. 1986	906
29	95	0	0.0	125.0	242.5	70.0	71.0	Dekalb 689	REC. 1986	909
30	100	0	0.0	110.0	240.0	65.5	65.0	B73 x Mo17HT	REC. 1987	901
	97.8	0.05	0.28	127.0	241.1	73.4	72.6	MEAN		
	6.34	431.52	220.8	9.3	3.8	1.5	2.4	C. V. %		
	12.7	0.44	1.28	24.0	18.8	2.3	3.5	LSD (.05)		
	0.38	0.05	0.39	138.3	84.8	1.2	2.9	MS ERR (df=29)		
	1.35	0.15	0.15	15.0	13053.7	29.4	16.0	MS REP (df=1)		
	0.33	0.05	0.23	365.0	368.7	16.0	13.0	MS ENT (df=29)		

Table 126. TROPHY Low Moisture line test (set3) 1988
C38 Clayton N. C.

ENTRY	% ST	% LODG RL	% LODG SL	HEIGHT(cm) EAR	HEIGHT(cm) PLT	SILK	TASS	PEDIGREE	SOURCE	ID#
1	90	0.5	0.0	155.0	252.5	76.0	76.0	TROPHY LM C1	1523-56 (85)	7602
2	95	0.0	0.0	145.0	245.0	78.5	76.5	TROPHY LM C1	1523-60 (85)	7603
3	95	0.0	0.0	125.0	225.0	74.5	72.5	TROPHY LM C1	1523-71 (85)	7604
4	100	0.0	4.0	140.0	242.5	76.5	76.0	TROPHY LM C1	1523-74 (85)	7605
5	90	0.0	1.0	137.5	245.0	74.0	74.0	TROPHY LM C1	1523-76 (85)	7606
6	105	0.0	2.0	145.0	240.0	74.5	72.5	TROPHY LM C1	1523-78 (85)	7607
7	95	0.0	2.0	162.5	250.0	73.5	73.0	TROPHY LM C1	1523-80 (85)	7608
8	95	0.0	1.0	127.5	230.0	72.5	72.5	TROPHY LM C1	1523-82 (85)	7609
9	100	0.0	0.0	137.5	237.5	71.5	70.5	TROPHY LM C2	7235-50 (85)	7610
10	100	0.0	0.5	120.0	215.0	70.5	69.5	TROPHY LM C2	7235-56 (85)	7611
11	100	0.0	2.5	142.5	245.0	74.0	72.5	TROPHY LM C2	7235-61 (85)	7612
12	100	0.0	0.0	137.5	245.0	72.0	71.5	TROPHY LM C2	7235-66 (85)	7613
13	100	0.0	0.0	140.0	240.0	78.0	77.0	TROPHY LM C2	7235-69 (85)	7614
14	100	0.0	0.0	142.5	240.0	75.5	75.5	TROPHY LM C2	7235-74 (85)	7615
15	100	0.0	1.5	137.5	240.0	70.5	69.0	TROPHY LM C2	7235-76 (85)	7616
16	100	0.0	0.0	147.5	250.0	71.5	71.0	TROPHY LM C2	7235-81 (85)	7617
17	95	0	0.0	127.5	232.5	71.5	70.5	TROPHY LM C3	1602-68 (86)	7618
18	100	0	0.0	147.5	250.0	73.0	72.5	TROPHY LM C3	1602-78 (86)	7619
19	100	0	0.5	120.0	230.0	71.5	70.5	TROPHY LM C3	1602-85 (86)	7620
20	100	0	2.0	127.5	245.0	73.0	73.0	TROPHY LM C3	1602-93 (86)	7621
21	80	0	0.5	130.0	240.0	71.5	72.0	TROPHY LM C3	1602-95 (86)	7622
22	100	0	0.0	130.0	220.0	69.0	69.5	TROPHY LM C3	1602-129 (86)	7623
23	100	0	1.5	137.5	250.0	75.0	74.0	TROPHY LM C3	1602-104 (86)	7624
24	100	0	0.0	140.0	232.5	73.0	71.0	TROPHY LM C3	1602-108 (86)	7625
25	95	0	0.0	130.0	242.5	76.5	75.0	TROPHY LM C0	PLY (84)	7574
26	95	0	0.5	100.0	190.0	72.5	70.5	B73Ht	DOWNING (85)	7575
27	100	0	0.0	142.5	247.5	74.0	74.0	Pioneer 3165	REC. 1987	902
28	100	0	0.0	127.5	245.0	67.0	66.0	Pioneer 3389	REC. 1986	906
29	100	0	0.0	132.5	227.5	73.0	72.0	Dekalb 689	REC. 1986	909
30	100	0	0.0	115.0	237.5	65.5	65.0	B73Ht x Mo17HT	REC. 1987	901
	97.6	0.02	0.65	135.0	237.7	73.0	72.2	MEAN		
	3.80	774.60	160.3	7.0	3.6	1.7	1.8	C. V. %		
	07.6	0.26	2.1	19.4	17.4	2.5	2.6	LSD .05		
	0.14	0.02	1.08	89.6	72.7	1.6	1.6	MS ERR (df=29)		
	0.00	0.02	2.02	1.7	3.8	7.4	8.1	MS REP (df=1)		
	0.44	0.02	2.00	305.2	334.8	16.6	15.9	MS ENT (df=29)		