1986 Michigan Soybean Performance Report
Michigan State University Extension Service
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This bulletin provides information on the performance of soybean varieties available in Michigan.

Comprehensive variety yield trials were conducted in Southeastern Michigan (Lenawee County), Southwestern Michigan (St. Joseph County), Far Southwestern Michigan (Berrien County), South Central Michigan (Ingham County), Central Michigan (Saginaw County), and East Central Michigan (Sanilac County). Smaller trials were conducted in Huron and Alger Counties.

Testing Procedures

Commercial varieties voluntarily entered were obtained from seed companies. Public varieties were supplied by the Michigan Foundation Seed Association.

Cooperators, planting and harvest dates, fertilizer practices, previous crops, and soil management groups at the seven locations are listed in Table 1.

Maturity groups of all varieties tested are listed in tables 2 and 5. Seed of entries was planted in plots 20 feet long with a 20-inch row spacing. Seeds were planted 1½ inches deep at 4.5 seeds per foot of row. Each plot was randomized in the field and replicated 3 times. Fourteen feet of the center two rows were harvested for yield.

Evaluation of Characteristics

YIELD—Yield is expressed in bushels per acre at 13% moisture.

MATURITY DATE—Entries were considered mature when 95% of the pods had attained their final color and would crack under finger pressure. Additional field drying was required before the plants were ready to harvest. Dates were recorded by month and day.

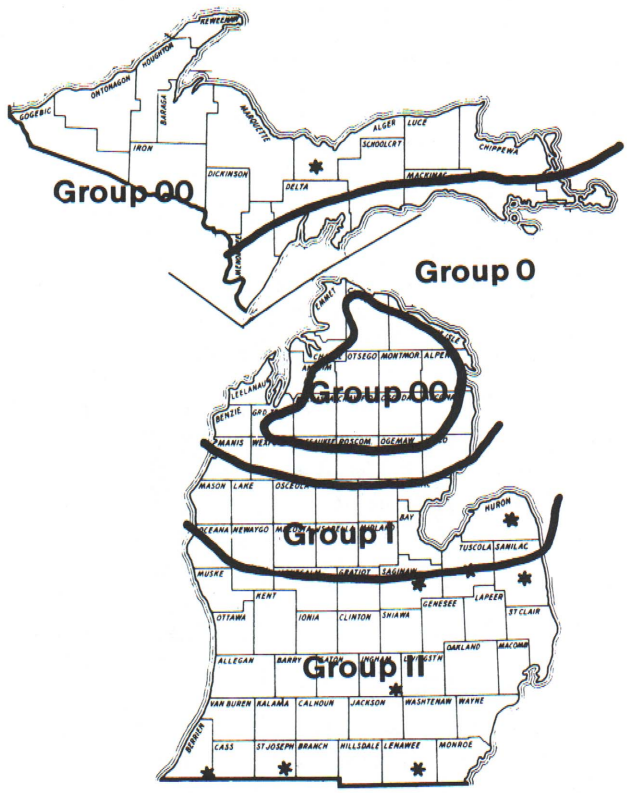
HEIGHT—Plant height, in inches, was measured at maturity from the soil surface to the tip of the main stem.

LODGING—Lodging rates reflect the erectness of the plants before harvest. Ratings are based on the following scale:

1. Almost all plants erect
2. All plants leaning slightly, or fewer than 25% of the plants down
3. All plants leaning moderately (45%), or 25% to 50% of the plants down
4. All plants leaning considerably, or 50% to 80% of the plants down
5. Almost all plants down

Results

Tables 3-6 show results of 1986 soybean variety trials. Table 7 is 1985 data from Alger County in the Upper Peninsula. Values given are the averages of all replications harvested at each location. Extremely rainy weather in September adversely affected the plots at Saginaw, Sanilac and Huron counties.



Soybean Maturity Zones for Full-Season Varieties in Michigan, and Locations (*) of Trials.

The LSD (least significant difference) value is useful when comparing two varieties in the same table. Two varieties with the same genetic potential for yield may have different yields due to variation in soil fertility, compaction, and other environmental factors. If the difference is less than the LSD value, the difference between the varieties may be due to chance or minor environmental differences. However, if the difference between two varieties is greater than the LSD, there is a 95%, or better, probability that the performance is actually different. The CV value is an indicator of the degree of precision for a particular test. The lower the CV value, the more discerning the test.

Selecting a Variety

The primary consideration in selecting a variety is yield. When evaluating a variety, consider yield performance over several years, if available. Give preference to data obtained in the nearest variety trial. Use all trials in determining a variety's performance under various environmental conditions.

Considerations other than yield are important in selecting a variety, and in some cases result in choosing a variety with only moderate performance. It is especially important to select a variety with proper maturity. From past weather data, farmers can determine the percent probability of the first fall frost. A general rule of thumb is to choose a variety that will mature (see maturity date definition) before the average date for 25% chance of the first killing frost in the fall. Farmers growing soybeans for the first time may wish to contact neighbors to determine what varieties mature before frost in their area. When large acreages of soybeans are planted, varieties of different maturities provide staggered maturity dates for a longer harvest season.

The degree of lodging varies among varieties. Lodged plants in variety trials are manually picked up and threshed, thus yield losses from lodging are not reflected in the yields reported. Lodging ratings should be used to evaluate potential losses. Farmers who have experienced lodging in the past and have had harvest problems may select a more lodging-resistant variety. Alternately, a variety susceptible to lodging may be planted at a slightly lower population to increase standability. Evaluate lodging data over all locations to determine a variety's lodging characteristics.

Note seed size when selecting planting rates. Planting rates should be based on number of seeds per foot of row and not on pounds per acre.

Many diseases occur in soybean fields in Michigan. The diseases which contribute most significantly to yield reduction are seed and seedling diseases and those causing root and stem rot. Root rots of soybeans are generally recognized when plants turn yellow prematurely, wilt, or die. Less noticeable is the yield reduction that occurs when root rot destroys part of the root system, but causes no visible symptoms to above-ground parts. The fungi that cause root rots often survive in the soil for several years, even in the absence of a host plant. Once root rot fungi are established in a field, control is difficult, even with crop rotation.

New varieties with resistance to one or more diseases are being developed, particularly varieties resistant to *Phytophthora* root rot. Disease resistance characteristics to Phytophthora root rot are noted in Table 2, but the large number of races of this fungus complicates variety selection.

Sclerotinia stem rot (white mold) studies were conducted at East Lansing in 1984 and 1985 with 20 and 16 varieties, respectively. The disease was encouraged by irrigating with 1.5 to 2 inches of water weekly beginning at flowering until the end of August. The disease ratings, expressed as percentage of plants infected, are shown in Table 2. The disease ratings for 13 of the varieties grown both years were positively correlated. Yields were measured in 1985 and the data showed that for every 10 percent increase in disease, yield was reduced 3.5 bushels per acre. The maximum yield in the study was 45 bushels per acre.

It is often beneficial for growers to select a few good varieties for planting each year. Yield determination and careful field evaluation during the growing season will add to the grower's knowledge of varietal performance and allow better selection.

More information about variety selection and cultural practices can be found in Extension Bulletin E-1549, "Soybean Production in Michigan."

Use of Data

Table 3 presents multiple-environment averages from all tests in the Southern and Central Michigan regions since 1975. The column labeled N refers to the number of tests in which each variety was included. The column labeled DEV. refers to the difference (in bushels per acre) between the mean yield of the variety over N tests and the mean yield of all varieties in those tests. The maturity checks used for tests of Group I and Group II varieties were "Hodgson 78" (H78) and "Corsoy 79" (C79), respectively. A positive relative maturity value means that the variety matured later than the check and a negative value means that the variety matured earlier than the check. The value is the actual number of days in either direction.

Data presented in Tables 4 through 6 are from both regional and site-specific performance trials. Both 1986 yields and multiple-year average yields from all tests since 1975 are given. Maturity, height (in inches), and lodging scores are the 1986 regional averages. Maturity is expressed as + or – days when compared with the check variety. For 1986 yield data, all starred entries designate yields not significantly different from the highest yield for that location. Multiple-environment and multiple-year averages comprised of a greater number of tests (greater N) should be considered more reliable.

The presentation of data for the entries tested does not

suggest approval or endorsement of varieties by the authors or by those responsible for conducting the performance trials.

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TABLE 1. Variety Trial Information.

County	Lenawee	St. Joseph	Ingham	Saginaw	St. Clair	Sanilac	Huron
CES Director/ Agent	N.H. Bless G.A. Wuethrich	F.J. Henningsen D. Bowen	M.M. Preston R.A. Morrison	H.R. Ferris S.S. Poindexter	M.F. Hansen T.R. Johnson	A.R. Sieting R.C. Weber	R.A. Johnson J.L. LeCureux
Farmer Cooperator	D. Woods	B. Marantette J. Sheppard		C. Gosen	R.A. Greenia	K. Pritchett	H. Hass
Address	10992 Holloway Britton, MI	25660 Simpson Mendon, MI	MSU Campus East Lansing, MI	8735 Swan Creek Saginaw, MI	1395 Kronner Richmond, MI	2985 S. Sandusky Sandusky, MI	1001 Learman Bad Axe, MI
Soil Type	Lenawee silty clay loam	Elston sandy loam	Aubbeenaubbee-Capac and Riddles-Hillsdale sandy loam	Colwood silt loam	Wasepi sandy loam and Bayer loamy sand	Capac and Parkhill laom	Corunna sandy loam and Kilmanagh loam
Soil Management Group	1.5 c	4 a	3.2 b/2.5 b and 2.5 a/3 a	2.5 c-s	4 a and 4 b	2.5 b and 2.5 c	3/2 c and 2.5 c
Previous Crop	Sod	Corn	Corn	Soybeans	Wheat	Soybeans	Corn
Fertilizer	100# K_2O		200# 6-24-24	200# 8-18-36	200# K_2O	290# 8-23-10	250# 10-26-26
Planting Date	5/10/86	5/29/86	6/18/86	5/30/86	6/2/86	6/2/86	5/27/86
Harvest Date	10/11/86	10/9/86	10/31/86	10/23/86	10/10/86	11/13/86	10/21/86

TABLE 2. Reactions of Soybean Cultivars to Sclerotinia Stem Rot (White Mold) in 1984-85 Field Tests.

Cultivar	Maturity Group	Disease Incidence (%) 1984	1985
GNOME	II	39.5	52.4
WEBER 84	I	31.1	48.5
SPRITE	III	—	28.8
CENTURY	II	19.1	28.1
ELGIN	II	15.5	21.2
VICKERY	II	13.8	—
AMSOY 71	II	13.7	—
AMCOR	II	13.4	—
CORSOY	II	—	7.9
CORSOY 79	II	13.3	5.3
LAKOTA	I	13.0	—
BEESON 80	II	12.6	18.0
HARCOR	II	12.4	—
WELLS II	II	11.9	23.1
NEBSOY	II	10.0	29.3
HODGSON 78	I	6.8	2.8
PELLA	III	6.7	3.8
SIMPSON	0	6.1	—
HARDIN	I	5.7	7.1
HOBBIT	III	4.1	40.4
DAWSON	0	2.8	—
EVANS	0	2.2	12.0
OZZIE	0	—	0.0
LSD (.05)		12.4	13.6

*Percentage of diseased plants in two rows 14 feet long.

TABLE 3. Performance Summary for Varieties Entered in the Michigan Trials in 1986. Phytophthora Resistance Designations Denote the Following: Type 1A Resistant to Races 1, 2, and 10; Type 1B Resistant to Races 1 and 3-9; Type 1C Resistant to Races 1-3 and 6-10; Type 1K Resistant to Races 1-10; Type 3 Resistant to Races 1-5, 8, and 9; Type 6 Resistant to Races 1-4 and 10.

				YIELD (BU/A) WITH DEVIATION FROM MEAN						MATURITY RELATIVE TO CHECKS						LODGING SCORE	
			PHYT.	SOUTHERN			CENTRAL			SOUTHERN			CENTRAL				
BRAND	ENTRY	MG	RES. TYPE	YIELD	(N)	DEV.	YIELD	(N)	DEV.	DATE	H78	C79	DATE	H78	C79	SOUTH.	CENTRAL
PUBLIC																	
	DASSEL	O	6	--	-	-	36.3	(7)	-2.3	--	-	-	9-29	0	-7	-	1.3
	DAWSON	O	1A	--	-	-	40.5	(19)	-0.7	--	-	-	9-23	-5	-12	-	1.6
	EVANS	O	1A	--	-	-	36.8	(31)	-2.5 *	--	-	-	9-21	-4	-12	-	1.5
	OZZIE	O	1A	--	-	-	39.0	(17)	-3.7 *	--	-	-	9-19	-8	-15	-	1.2
	SIMPSON	O	1A	--	-	-	38.5	(15)	-3.5 *	--	-	-	9-23	-4	-11	-	1.3
	BSR 101	I	1A	46.4	(11)	2.0 *	41.4	(13)	2.0 *	9-22	3	-4	10-5	7	-1	1.6	1.8
	HARDIN	I	1A	42.7	(17)	1.1	45.2	(22)	3.8 *	9-22	3	-3	10-2	4	-3	2.2	2.3
	HODGSON 78	I	1A	40.3	(26)	-1.0	41.3	(33)	0.0	9-19	0	-6	9-28	0	-6	1.9	1.9
	SIBLEY	I	1A	49.3	(8)	4.4 *	40.8	(10)	1.2	9-18	0	-6	9-30	0	-7	2.1	2.2
	WEBER 84	I	1A	40.2	(13)	-1.8	38.8	(15)	-0.5	9-23	4	-3	10-2	4	-3	2.7	2.5
	AMCOR	II	1A	41.8	(17)	-0.6	42.3	(17)	0.0	9-29	10	3	10-9	11	4	2.9	2.8
	BEESON 80	II	1C	38.1	(17)	-4.3 *	39.2	(19)	-2.6	9-27	8	2	10-9	10	3	1.9	2.2
	BSR 201	II	1B	47.4	(14)	1.3	42.2	(12)	0.3	9-26	8	1	10-8	11	2	2.6	2.9
	CENTURY	II	1A	44.2	(18)	1.4	42.3	(20)	0.8	9-29	10	3	10-9	10	3	1.8	2.0
	CENTURY 84	II	1K	42.1	(9)	-0.5	41.4	(9)	1.4	9-29	9	2	10-10	12	3	1.5	1.6
	CORSOY	II	NONE	41.4	(26)	0.7	39.4	(29)	0.3	9-24	5	-1	10-2	6	0	2.3	2.2
	CORSOY 79	II	1C	42.7	(24)	1.0	43.4	(30)	2.2 *	9-25	6	0	10-5	7	0	2.5	2.5
	ELGIN	II	NONE	44.5	(15)	1.4	43.8	(16)	2.7 *	9-25	6	-1	10-5	6	-1	2.1	2.0
	HACK	II	1A	45.3	(10)	1.5	41.7	(10)	1.6	9-28	8	2	10-8	10	2	1.4	1.6
	HOYT	II	1A	48.1	(7)	2.4	39.6	(8)	-0.1	9-27	9	4	10-9	11	3	1.6	1.8
	KELLER	II	1C,3	39.5	(8)	-2.1	40.0	(8)	-0.4	9-29	8	1	10-10	11	2	2.2	2.2
	MIAMI	II	1C,3	38.7	(9)	-3.9 *	38.5	(9)	-1.6	9-24	4	-3	10-6	7	-1	1.8	1.9
	NEBSOY	II	1A	41.8	(18)	-1.1	40.6	(20)	-1.0	9-24	5	-1	10-6	7	0	1.6	1.7
	PRESTON	II	NONE	47.0	(6)	1.6	38.5	(7)	0.0	9-28	10	4	10-9	11	3	2.5	2.3
	VICKERY	II	1C	42.6	(18)	-0.2	42.1	(21)	0.9	9-24	5	-2	10-4	6	-1	2.9	2.7
	WELLS II	II	1C	40.7	(20)	-2.1 *	40.2	(22)	-0.7	9-24	4	-2	10-4	5	-1	1.6	1.5
	CUMBERLAND	III	NONE	36.8	(13)	-3.2	--	-	-	10-3	13	7	--	-	-	2.5	-
	GNOME 85	III	1K	47.8	(10)	-0.3	--	-	-	9-25	10	4	--	-	-	1.4	-
	HOBBIT	III	NONE	40.0	(15)	0.8	--	-	-	9-30	12	5	--	-	-	1.3	-
	PELLA	III	1A	40.2	(13)	0.3	43.4	(13)	2.2	10-1	11	4	10-9	11	4	1.7	1.8
	SPRITE	III	NONE	39.9	(16)	-0.1	--	-	-	10-1	13	7	--	-	-	1.7	-
	WILLIAMS 82	III	1K	39.0	(10)	-1.6	--	-	-	10-5	14	8	--	-	-	2.8	-
	WINCHESTER	III	1B,3	38.9	(7)	-2.2	--	-	-	10-6	14	6	--	-	-	2.9	-
	ZANE	III	NONE	41.5	(7)	0.4	39.5	(7)	0.6	10-2	10	3	10-11	12	4	2.1	2.0
AGRIPRO																	
	AP200	II	1A	42.6	(16)	-0.3	43.4	(18)	1.1 H	9-23	2	-4	10-2	4	-3	2.2	2.2
	AP240	II	1A	41.0	(15)	0.2	42.0	(8)	-1.3	9-27	8	1	10-6	6	0	1.7	1.9
	AP2190	II	1A	40.9	(7)	-0.2 H	40.0	(7)	1.0	9-30	8	0	10-8	9	1	2.1	1.6
	AP3023	III	1A	41.1	(3)	0.7	--	-	-	10-3	11	5	--	-	-	2.5	-
	AP3132	III	NONE	40.8	(3)	0.4	--	-	-	10-2	10	4	--	-	-	1.9	-
	HP20-20	II	1A	43.4	(11)	-1.1	40.6	(8)	-2.9	9-23	3	-4	10-4	5	-3	2.2	1.9
	HP2530	II	1A	44.0	(14)	1.4	44.5	(9)	1.6	9-28	7	1	10-8	7	2	2.1	2.4
	EX 2021	II	1A	--	-	-	38.4	(4)	1.7	--	-	-	10-8	6	-1	-	2.1
ASGROW																	
	A0949	O	1C	--	-	-	32.9	(5)	-2.5	--	-	-	10-3	1	-6	-	1.6
	A1525	I	1A	--	-	-	37.0	(9)	-0.9	--	-	-	10-1	1	-6	-	1.3
	A1937	I	1A	42.6	(16)	1.5	44.7	(19)	3.4 *	9-21	2	-4	10-1	3	-4	2.0	2.0
	A2187	II	1A	40.9	(7)	-0.2	41.2	(4)	0.8	9-26	3	-4	10-6	5	-4	1.6	1.2
	A2522	II	NONE	41.7	(11)	0.8 H	44.1	(6)	2.3 *	9-29	8	1	10-8	7	2	2.5	2.6
	A2943	II	1A	43.8	(11)	2.9 *	42.5	(3)	-0.1	10-4	12	5	10-15	13	3	1.6	2.2
CALLAHAN																	
	1250 BRAND	II	NONE	41.0	(13)	1.1	44.1	(11)	2.9	9-30	11	4	10-11	13	5	2.0	1.8
	5300 BRAND	III	NONE	43.2	(7)	2.1	--	-	-	10-6	14	6	--	-	-	2.7	-
	5350 BRAND	III	NONE	42.6	(11)	1.7	42.1	(3)	-0.5	10-4	12	5	10-14	13	3	2.8	2.9
	6180X BRAND	I	NONE	--	-	-	42.0	(8)	3.1	--	-	-	10-2	2	-6	-	1.4
	6220X BRAND	II	1A	--	-	-	41.4	(7)	2.5 *	--	-	-	10-10	12	3	-	1.7
	6262X BRAND	II	1A	41.4	(7)	0.3	42.2	(7)	3.3 *	10-1	9	1	10-11	12	3	1.8	1.8
	7244X BRAND	II	NONE	43.9	(3)	3.5	39.8	(4)	3.0	10-1	9	3	10-12	10	3	1.9	1.9
	7260X BRAND	II	NONE	43.5	(3)	3.1	40.4	(4)	3.7 *H	9-29	7	1	10-12	10	3	1.1	1.7
	7272X BRAND	II	NONE	43.3	(3)	2.9 H	37.2	(4)	0.4	10-1	9	3	10-12	10	3	2.1	2.0
COUNTRYMARK																	
	FFR 112	II	NONE	40.2	(3)	-0.2	35.7	(4)	-1.0	9-28	6	0	10-10	9	2	1.4	1.6
	FFR 226	II	NONE	35.4	(5)	-2.6 *	33.5	(4)	-3.2	9-27	10	4	10-13	12	4	1.9	2.0
	FFR 241	II	NONE	40.0	(3)	-0.4	37.0	(4)	0.3	9-30	8	2	10-12	10	3	1.8	1.6
DAIRYLAND																	
	DSR-120	I	NONE	--	-	-	41.7	(20)	-0.1 L	--	-	-	9-26	-2	-9	-	1.7
	DSR-128	I	1C	--	-	-	39.8	(8)	1.0	--	-	-	9-29	-1	-9	-	1.2
	DSR-135	I	1A	--	-	-	37.2	(10)	0.0	--	-	-	9-30	0	-8	-	1.7
	DSR-171	I	NONE	42.8	(18)	0.9	43.1	(21)	1.3 H	9-23	4	-2	10-3	5	-2	2.1	2.2
	DSR-212	II	NONE	39.2	(15)	-1.6	41.9	(12)	-1.0	9-26	6	0	10-7	7	1	1.6	1.4
	DSR-255	II	1C	37.9	(7)	-3.2 *	35.4	(7)	-3.5 *	9-29	7	-1	10-8	9	1	1.9	1.7
	DSR-287	II	NONE	42.3	(7)	1.2	--	-	-	10-4	12	4	--	-	-	1.9	-
	DSR-297	II	1C	40.4	(7)	-0.7	--	-	-	10-5	13	6	--	-	-	2.0	-
	DSR-317	III	NONE	40.5	(7)	-0.6	--	-	-	10-6	14	7	--	-	-	2.7	-
	DST-1103	I	NONE	--	-	-	37.0	(5)	1.6	--	-	-	10-1	-1	-7	-	2.1
	DST-1207	I	1C	--	-	-	35.9	(5)	0.4	--	-	-	10-4	2	-5	-	2.2
	DST-2203	II	NONE	37.6	(3)	-2.8 L	33.2	(4)	-3.5 L	10-2	10	4	10-12	11	4	1.4	1.5
	DST-2204	II	NONE	33.3	(3)	-7.1	32.4	(4)	-4.3	10-2	10	4	10-13	12	4	1.4	1.7

(CONT'D)

* STATISTICALLY SIGNIFICANT DEVIATION (P<.05)
H VARIETY EXHIBITS HIGHER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.
L VARIETY EXHIBITS LOWER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.

TABLE 3. (Continued) Performance Summary for Varieties Entered in the Michigan Trials in 1986. Phytophthora Resistance Designations Denote the Following: Type 1A Resistant to Races 1, 2, and 10; Type 1B Resistant to Races 1 and 3-9; Type 1C Resistant to Races 1-3 and 6-10; Type 1K Resistant to Races 1-10; Type 3 Resistant to Races 1-5, 8, and 9; Type 6 Resistant to Races 1-4 and 10.

				YIELD (BU/A) WITH DEVIATION FROM MEAN						MATURITY RELATIVE TO CHECKS						LODGING SCORE	
				SOUTHERN			CENTRAL			SOUTHERN			CENTRAL				
BRAND	ENTRY	MG	PHYT. RES. TYPE	YIELD	(N)	DEV.	YIELD	(N)	DEV.	DATE	H78	C79	DATE	H78	C79	SOUTH.	CENTRAL
DEKALB-PFIZER																	
	CX174	I	NONE	--	-	-	39.4	(13)	0.5	--	-	-	10-5	7	0	-	1.7
	CX265	II	1C	40.7	(5)	0.2	38.6	(5)	-0.2	10-6	9	1	10-11	12	3	2.1	1.9
	CX283	II	NONE	42.3	(11)	1.4	45.4	(3)	2.8 L	10-1	10	3	10-13	12	2	2.4	2.3
	CX326	III	1C	38.4	(3)	-2.0	--	-	-	10-5	13	7	--	-	-	1.7	-
DIEHL FIELDS																	
	EXP 101	I		45.6	(3)	5.2	42.2	(4)	5.4 L	9-25	3	-3	10-6	4	-3	1.6	1.5
FUNK																	
	G3145 BLEND	I	1A	42.2	(3)	-0.0	40.6	(13)	1.8 *	10-8	5	-2	10-4	5	-2	1.9	2.0
	G3180	I	NONE	--	-	-	38.8	(8)	1.0	--	-	-	10-2	2	-6	-	2.1
	G3232	II	NONE	42.7	(3)	2.3	--	-	-	10-3	11	5	--	-	-	2.6	-
	G3239 BLEND	II	NONE	42.3	(8)	0.8	42.3	(6)	0.6	10-4	12	4	10-9	8	3	2.4	2.0
	12283	I	NONE	--	-	-	35.2	(5)	-0.2	--	-	-	10-4	2	-5	-	1.6
GOLDEN HARVEST																	
	H-1233 BRAND	II	NONE	42.6	(5)	2.1	41.5	(7)	2.6 *	10-4	7	-1	10-7	9	0	2.1	1.8
	H-1265 BRAND	II	1B	--	-	-	37.3	(4)	0.6	--	-	-	10-12	10	3	-	2.1
	H-1285 BRAND	II	NONE	41.5	(5)	0.9	42.4	(7)	3.5	10-8	11	4	10-12	13	4	2.1	1.9
GREAT LAKES HYBRIDS (GLH)																	
	GL1434 BRAND	I	1A	--	-	-	33.8	(9)	-4.1 *	--	-	-	10-2	2	-5	-	1.7
	GL1900 BRAND	I	1A	--	-	-	37.6	(9)	-0.3	--	-	-	10-8	7	0	-	1.7
	GL1937 BRAND	I	1A	41.5	(3)	-0.7	41.4	(16)	1.0	10-5	2	-4	10-3	5	-2	2.2	2.0
	GL2634 BRAND	II	NONE	45.5	(16)	4.0 *	44.6	(13)	3.3 *H	9-29	10	4	10-7	9	2	2.0	2.0
	GL2908 BRAND	II	NONE	43.0	(11)	2.0	41.3	(3)	-1.3	10-4	13	6	10-15	14	4	2.4	2.5
	XP1909	II	1A	--	-	-	38.3	(4)	1.6	--	-	-	10-9	8	0	-	2.2
	XP2206	II	1A	--	-	-	40.4	(4)	3.7	--	-	-	10-13	12	4	-	2.0
	XP2478 BRAND	II	NONE	42.9	(3)	2.6	39.0	(4)	2.3	9-30	8	2	10-11	10	2	3.0	2.1
	XP2633 BRAND	II	NONE	--	-	-	35.4	(4)	-1.4	--	-	-	10-14	13	6	-	2.2
	XP2737 BRAND	II	NONE	42.4	(3)	2.0	36.7	(4)	0.0	10-1	9	3	10-12	10	3	1.6	2.2
JACQUES																	
	J-201	II	1A	41.6	(3)	1.3	38.8	(4)	2.1 H	9-25	3	-3	10-6	5	-2	1.3	1.7
	J-231	II	1A	43.8	(11)	2.9 *	46.9	(3)	4.3	9-29	8	1	10-12	11	1	2.0	2.4
	E85092	I	1A	--	-	-	35.3	(5)	-0.1	--	-	-	10-2	0	-7	-	1.8
KING GRAIN																	
	KG60	0	1A	39.3	(3)	-2.9	36.2	(13)	-2.6	9-27	-6	-13	9-25	-4	-11	1.2	1.7
	KG70	I	1A	43.2	(5)	-0.1	39.0	(18)	-1.8	9-27	-1	-6	9-29	1	-6	1.7	1.7
	KG80	II	1A	--	-	-	38.7	(7)	-0.2	--	-	-	10-5	6	-2	-	2.3
	KG81	II	1C	--	-	-	40.1	(4)	3.4	--	-	-	10-6	4	-3	-	1.7
	KG90	II	1A	44.9	(3)	2.3	42.4	(11)	2.4 *	10-9	8	-2	10-7	8	1	2.2	2.2
LAKESIDE STATES																	
	MILLLER BRAND	III	NONE	43.3	(7)	2.2	--	-	-	10-6	13	6	--	-	-	2.4	-
	15 BRAND	I	NONE	--	-	-	39.0	(5)	3.6	--	-	-	10-5	3	-4	-	1.8
	21 BRAND	II	NONE	42.5	(3)	2.1	39.9	(4)	3.2	10-3	11	5	10-13	12	4	1.8	1.6
	22 BRAND	II	1A	--	-	-	38.0	(4)	1.2	--	-	-	10-12	10	3	-	2.0
	24 BRAND	II	1A	--	-	-	40.0	(4)	2.8 H	--	-	-	10-11	10	2	-	1.8
	30 BRAND	III	NONE	37.5	(3)	-2.9	--	-	-	10-4	12	6	--	-	-	3.0	-
	36 BRAND	III		38.5	(3)	-1.8	--	-	-	10-5	13	7	--	-	-	1.5	-
	106 BRAND	II	1A	--	-	-	35.0	(4)	-1.7	--	-	-	10-12	11	3	-	2.4
	116	I	1A	--	-	-	38.3	(5)	2.9 *	--	-	-	10-9	7	0	-	1.6
	125	I	1A	41.5	(3)	1.1	--	-	-	9-29	7	1	--	-	-	1.8	-
MAUMEE VALLEY																	
	CALIBER	I	1A	41.5	(11)	0.6	--	-	-	9-27	5	-1	--	-	-	2.5	-
	ENTERPRISE	II	NONE	39.2	(7)	-1.9	--	-	-	10-2	10	3	--	-	-	2.1	-
	KODIAK	III	NONE	41.2	(7)	0.1	--	-	-	10-5	13	5	--	-	-	2.9	-
	MV-2E1	II	1A	41.9	(11)	1.0	--	-	-	10-2	11	4	--	-	-	2.1	-
	WARRIOR	II	1A	41.7	(7)	0.6	--	-	-	10-3	11	4	--	-	-	2.2	-
	WASHINGTON V	III	1A	40.6	(11)	-0.4	--	-	-	10-2	10	3	--	-	-	3.0	-
NORTHRUP KING (NK)																	
	S15-50	I	1C	--	-	-	37.9	(9)	0.0	--	-	-	10-2	2	-6	-	1.7
	S18-84	I	1B,3	43.0	(10)	2.6 *	44.1	(18)	3.4 *	9-24	3	-3	10-3	4	-2	1.6	1.8
	S23-03	II	NONE	41.6	(11)	0.6	40.9	(8)	1.2	9-27	5	-2	10-6	7	-1	2.2	2.0
	S23-12	II	NONE	47.1	(3)	6.7	40.1	(4)	3.4	9-28	6	0	10-9	8	0	1.2	1.3
	S2596	II	1A	45.6	(16)	1.7 *	44.9	(8)	0.8	9-28	7	1	10-9	10	2	1.8	1.7
	S27-10	II	1C	38.9	(7)	-2.2	38.7	(4)	-1.8	10-1	9	1	10-11	10	1	2.0	1.5
PIONEER																	
	1981	I	1A	--	-	-	39.4	(9)	1.5	--	-	-	10-5	5	-2	-	1.7
	9251	II	1A	--	-	-	39.2	(4)	2.5	--	-	-	10-12	10	3	-	1.3
	9271	II	NONE	43.2	(11)	2.3 *	44.2	(6)	2.4	9-29	8	0	10-7	6	1	1.5	1.6
	9292	II	NONE	42.8	(11)	1.8	44.5	(6)	2.7	9-27	6	-1	10-6	5	-1	1.2	1.5
PRIDE																	
	B152	I	1C,NONE	--	-	-	39.2	(9)	1.4	--	-	-	9-30	1	-6	-	1.8
	B203	II	1C	42.9	(5)	-2.1	40.6	(11)	0.1 H	9-26	0	-3	10-4	6	-1	1.3	1.9
	B242	II	NONE	43.4	(7)	2.8 *	--	-	-	10-1	11	4	--	-	-	1.7	-
RUPP																	
	RS2300	II	1A	43.3	(18)	0.5	43.6	(17)	1.6	9-23	4	-2	10-4	5	-1	1.6	1.7
	RS2460P	II	NONE	44.7	(11)	3.8 *	41.1	(11)	1.1 H	10-2	10	3	10-9	10	4	2.1	2.0
	RS2544	III	NONE	42.2	(7)	1.1	--	-	-	10-6	14	7	--	-	-	2.4	-
	EX 26905	III	NONE	43.3	(3)	3.0	--	-	-	10-3	11	5	--	-	-	1.7	-

(CONT'D)

* STATISTICALLY SIGNIFICANT DEVIATION (P<.05)
H VARIETY EXHIBITS HIGHER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.
L VARIETY EXHIBITS LOWER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.

TABLE 3. (Continued) Performance Summary for Varieties Entered in the Michigan Trials in 1986. Phytophthora Resistance Designations Denote the Following: Type 1A Resistant to Races 1, 2, and 10; Type 1B Resistant to Races 1 and 3-9; Type 1C Resistant to Races 1-3 and 6-10; Type 1K Resistant to Races 1-10; Type 3 Resistant to Races 1-5, 8, and 9; Type 6 Resistant to Races 1-4 and 10.

BRAND	ENTRY	MG	PHYT. RES. TYPE	YIELD (BU/A) WITH DEVIATION FROM MEAN: SOUTHERN YIELD	SOUTHERN (N)	SOUTHERN DEV.	CENTRAL YIELD	CENTRAL (N)	CENTRAL DEV.	MATURITY RELATIVE TO CHECKS: SOUTHERN DATE	SOUTHERN H78	SOUTHERN C79	CENTRAL DATE	CENTRAL H78	CENTRAL C79	LODGING SCORE: SOUTH.	CENTRAL
SCOTT FARM																	
	L1808	I	1A	--	-	-	32.9	(5)	-2.5	--	-	-	10-6	4	-3	-	2.0
	L2456	II	6	43.1	(7)	2.0	--	-	-	10-1	9	1	--	-	-	2.7	-
STINE																	
	2510 BRAND	II	1A	42.1	(11)	1.2	43.2	(3)	0.6	9-29	8	1	10-11	10	0	2.2	1.9
	2530 BRAND	II	1A	42.1	(7)	1.0	--	-	-	10-4	12	5	--	-	-	2.2	-
	2710E BRAND	II	1A	--	-	-	40.8	(4)	4.1 *	--	-	-	10-12	10	3	-	1.9
	2820 BRAND	II	NONE	--	-	-	40.0	(4)	2.8	--	-	-	10-7	6	-2	-	2.1
TERRA																	
	HURDLE BRAND	II	1A	--	-	-	37.5	(4)	0.8	--	-	-	10-10	9	2	-	1.5
	OLYMPIAN BRAND	II	NONE	39.7	(3)	-0.7	--	-	-	10-1	9	3	--	-	-	1.7	-
	RUNNER BRAND	I	1A	--	-	-	33.4	(5)	-2.0	--	-	-	10-9	7	0	-	1.8
	SPRINT BRAND	II	NONE	41.7	(3)	1.3	--	-	-	10-3	11	5	--	-	-	1.7	-
VORIS																	
	V207	II	1A	44.3	(15)	0.8	44.8	(19)	2.5 *	9-23	3	-3	10-4	5	-2	2.0	2.0
	V235	II	1A	39.0	(3)	-1.4	35.6	(4)	-1.2	10-2	10	4	10-12	11	4	1.8	1.7
	V311	III	NONE	42.2	(11)	1.3	41.8	(8)	2.1	10-3	11	4	10-13	15	6	2.8	2.6

* STATISTICALLY SIGNIFICANT DEVIATION (P<.05)
H VARIETY EXHIBITS HIGHER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.
L VARIETY EXHIBITS LOWER THAN AVERAGE RESPONSE TO HIGHLY PRODUCTIVE ENVIRONMENTS.

TABLE 4. Southern Michigan.

BRAND	ENTRY	YIELD (BU/A): ENTIRE SOUTHERN REGION 1986	AVG.	(N)	SOUTHEAST (LENAWEE CO.) 1986	AVG.	(N)	SOUTHWEST (ST. JOSEPH CO.) 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING
PUBLIC	BSR 101 (I)	43.2*	46.4	(11)	49.2	51.0	(6)	40.9*	42.6	(2)	39.6*	44.0	(2)	-1	30	1.5
PUBLIC	HARDIN	41.5*	42.7	(17)	48.1	51.5	(7)	36.1	35.0	(4)	40.2*	42.7	(3)	-2	31	2.3
PUBLIC	HODGSON 78	36.1	40.3	(26)	46.3	48.2	(10)	31.6	31.7	(7)	30.5	41.9	(4)	-6	30	1.6
PUBLIC	SIBLEY	43.3*	49.3	(8)	49.1	52.3	(6)	33.4	--	-	47.3*	--	-	-5	29	2.1
PUBLIC	WEBER 84	37.5	40.2	(13)	37.6	47.1	(8)	31.6	33.8	(3)	43.3*	44.1	(3)	-4	32	3.0
PUBLIC	AMCOR (II)	39.2	41.8	(17)	46.2	50.8	(7)	33.1	30.8	(4)	38.4	40.9	(3)	4	38	3.6
PUBLIC	BEESON 80	26.3	38.1	(17)	30.3	45.0	(7)	28.1	27.2	(4)	20.4	36.6	(3)	5	27	1.4
PUBLIC	BSR 201	41.5*	47.4	(14)	47.6	51.2	(9)	38.8*	39.7	(2)	38.2	46.0	(2)	3	31	2.2
PUBLIC	CENTURY	40.2	44.2	(18)	53.4*	52.2	(8)	35.7	34.8	(4)	31.5	41.4	(3)	4	34	1.9
PUBLIC	CENTURY 84	40.3	42.1	(9)	50.3	48.6	(4)	33.8	35.7	(2)	36.7	40.5	(2)	3	32	1.4
PUBLIC	CORSOY	39.8	41.4	(26)	44.7	47.4	(11)	35.0	33.1	(6)	39.7*	41.7	(5)	-1	33	3.1
PUBLIC +	CORSOY 79	38.5	42.7	(24)	46.7	52.1	(10)	31.4	30.3	(6)	37.3	43.5	(4)	9-28	34	3.1
PUBLIC	ELGIN	41.4*	44.5	(15)	51.3	51.0	(7)	35.5	39.2	(3)	37.3	42.3	(3)	2	27	1.7
PUBLIC	HACK	42.7*	45.3	(10)	51.0	50.8	(5)	41.2*	43.0	(2)	36.0	41.5	(2)	2	30	1.1
PUBLIC	HOYT	40.6	48.1	(7)	52.5	53.5	(5)	39.6*	--	-	29.6	--	-	4	22	1.2
PUBLIC	KELLER	38.5	39.5	(8)	49.3	45.4	(3)	32.5	32.4	(2)	33.7	41.4	(2)	1	31	1.8
PUBLIC	MIAMI	36.7	38.7	(9)	46.7	45.2	(4)	32.1	29.5	(2)	31.4	39.0	(2)	-1	31	1.7
PUBLIC	NEBSOY	38.7	41.8	(18)	46.1	47.3	(8)	30.9	31.8	(4)	39.2*	47.0	(3)	-0	30	1.4
PUBLIC	PRESTON	42.0*	47.0	(6)	50.6	51.6	(4)	35.9	--	-	39.6*	--	-	5	34	2.4
PUBLIC	VICKERY	39.5	42.6	(18)	48.8	51.5	(8)	34.2	31.3	(4)	35.4	40.7	(3)	0	35	3.3
PUBLIC	WELLS II	37.4	40.7	(20)	44.8	46.7	(8)	30.8	32.5	(5)	36.7	40.8	(3)	-1	33	2.0
PUBLIC	CUMBERLAND (III)	33.6	36.8	(13)	47.9	48.9	(4)	29.8	27.8	(4)	23.2	34.7	(3)	6	33	2.4
PUBLIC	GNOME 85	37.4	47.8	(10)	45.7	49.3	(9)	33.9	--	-	--	--	-	7	21	0.9
PUBLIC	HOBBIT	38.6	40.0	(15)	46.9	49.5	(5)	33.3	30.4	(5)	35.6	44.8	(3)	6	23	1.0
PUBLIC	PELLA	38.7	40.2	(13)	52.2	50.0	(4)	30.7	30.4	(4)	33.2	45.0	(3)	4	34	1.6
PUBLIC	SPRITE	40.3	39.9	(16)	51.5	51.1	(6)	30.9	28.9	(5)	38.5	41.9	(3)	7	26	1.8
PUBLIC	WILLIAMS 82	35.1	39.0	(10)	51.8	50.7	(3)	31.6	34.7	(3)	21.9	34.3	(2)	8	36	2.1
	LSD(.05)	6.22			6.79			4.22			8.90			2.3	2.6	0.80

(CONT'D)

\+ CHECK VARIETY USED TO CALCULATE DEVIATION FROM STANDARD MATURITY.
* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD WITHIN THAT COLUMN.

TABLE 4. (Continued) Southern Michigan.

BRAND	ENTRY	YIELD (BU/A) ENTIRE SOUTHERN REGION 1986	AVG.	(N)	SOUTHEAST (LENAWEE CO.) 1986	AVG.	(N)	SOUTHWEST (ST. JOSEPH CO.) 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING SCORE
PUBLIC	WINCHESTER	34.9	38.9	(7)	46.2	47.8	(2)	31.4	31.9	(2)	27.0	39.4	(2)	7	34	2.6
PUBLIC	ZANE	39.9	41.5	(7)	50.8	49.7	(2)	37.2*	39.3	(2)	31.7	37.1	(2)	4	32	1.7
AGRIPRO	AP240	40.0	41.0	(15)	48.3	48.7	(5)	35.3	35.7	(4)	36.3	42.4	(3)	4	30	1.1
AGRIPRO	AP2190	39.8	40.9	(7)	52.4	52.2	(2)	33.8	35.8	(2)	33.3	42.7	(2)	1	29	1.7
AGRIPRO	AP3023	41.1*	--	--	57.6*	--	-	37.9*	--	-	27.7	--	-	5	35	2.5
AGRIPRO	AP3132	40.8	--	--	52.2	--	-	35.9	--	-	34.2	--	-	4	32	1.9
AGRIPRO	HP20-20	40.0	43.4	(11)	48.5	50.8	(5)	36.0	35.9	(2)	35.6	38.4	(2)	-2	32	2.0
AGRIPRO	HP2530	41.6*	44.0	(14)	49.8	50.7	(5)	34.5	36.1	(3)	40.6*	47.7	(3)	1	30	1.9
ASGROW	A1937	39.4	42.6	(16)	48.3	51.0	(6)	35.8	35.1	(4)	34.1	43.4	(3)	-4	33	2.1
ASGROW	A2187	40.8	40.9	(7)	49.3	46.9	(2)	38.1*	38.2	(2)	35.1	41.0	(2)	-3	31	1.4
ASGROW	A2522	41.8*	41.7	(11)	54.3*	52.7	(3)	33.4	35.5	(3)	37.8	45.2	(3)	2	34	2.3
ASGROW	A2943	41.2*	43.8	(11)	53.2*	52.0	(3)	36.6	40.4	(3)	33.9	42.5	(3)	7	34	1.3
CALLAHAN	1250	41.1*	41.0	(13)	54.8*	49.4	(4)	33.0	33.5	(4)	35.6	44.9	(3)	4	34	2.1
CALLAHAN	5300	41.6*	43.2	(7)	59.6*	56.6	(2)	36.2	38.4	(2)	29.0	38.8	(2)	7	33	2.5
CALLAHAN	5350	38.8	42.6	(11)	55.4*	54.9	(3)	29.9	36.2	(3)	31.0	42.1	(3)	6	36	2.9
CALLAHAN	6262X	38.7	41.4	(7)	49.5	51.1	(2)	31.0	34.0	(2)	35.6	43.8	(2)	4	33	1.8
CALLAHAN	7244X	43.9*	--	--	54.0*	--	-	35.9	--	-	41.8*	--	-	3	33	1.9
CALLAHAN	7260X	43.5*	--	--	55.0*	--	-	35.3	--	-	40.1*	--	-	1	27	1.1
CALLAHAN	7272X	43.3*	--	--	56.1*	--	-	36.0	--	-	37.8	--	-	3	30	2.1
COUNTRYMARK	FFR 112	40.2	--	--	48.9	--	-	36.3	--	-	35.4	--	-	0	32	1.4
COUNTRYMARK	FFR 226	38.4	35.4	(5)	47.8	44.6	(2)	33.1	26.8	(2)	34.2	--	-	5	36	2.3
COUNTRYMARK	FFR 241	40.0	--	--	50.8	--	-	34.4	--	-	34.8	--	-	2	34	1.8
DAIRYLAND	DSR-171	38.1	42.8	(18)	42.7	49.8	(8)	37.1*	36.7	(4)	34.4	40.6	(3)	-2	33	2.3
DAIRYLAND	DSR-212	38.0	39.2	(15)	52.6	46.6	(5)	38.4*	35.1	(4)	23.1	38.0	(3)	2	29	1.3
DAIRYLAND	DSR-255	39.3	37.9	(7)	50.0	44.0	(2)	34.5	34.4	(2)	33.3	38.8	(2)	0	33	1.5
DAIRYLAND	DSR-287	39.7	42.3	(7)	50.3	48.8	(2)	32.9	39.4	(2)	36.0	42.9	(2)	6	32	1.5
DAIRYLAND	DSR-297	39.9	40.4	(7)	52.3	49.9	(2)	32.3	34.0	(2)	35.1	40.8	(2)	6	36	1.6
DAIRYLAND	DSR-317	36.9	40.5	(7)	51.3	52.4	(2)	36.9	39.9	(2)	22.6	30.2	(2)	8	39	2.3
DAIRYLAND	DST-2203	37.6	--	--	43.1	--	-	34.6	--	-	35.0	--	-	4	31	1.4
DAIRYLAND	DST-2204	33.3	--	--	44.8	--	-	32.4	--	-	22.6	--	-	4	29	1.4
DEKALB-PFIZER	CX283	43.0*	42.3	(11)	52.6	51.3	(3)	35.8	35.4	(3)	40.5*	45.4	(3)	3	33	2.7
DEKALB-PFIZER	CX326	38.4	--	--	51.7	--	-	34.7	--	-	28.7	--	-	7	33	1.7
DIEHL FIELDS	EXP 101	45.6*	--	--	57.2*	--	-	37.2*	--	-	42.4*	--	-	-3	30	1.6
FUNK	G3232	42.7*	--	--	53.8*	--	-	36.8	--	-	37.5	--	-	5	34	2.6
FUNK	G3239	41.9*	42.3	(8)	54.6*	49.4	(2)	33.8	38.1	(2)	37.4	43.3	(3)	5	34	2.3
GLH	GL2634	44.6*	45.5	(16)	57.9*	53.8	(6)	34.5	34.9	(4)	41.5*	46.0	(3)	4	33	1.8
GLH	GL2908	41.3*	43.0	(11)	54.8*	55.5	(3)	35.2	37.5	(3)	33.8	41.3	(3)	7	35	2.5
GLH	XP2478	42.9*	--	--	50.5	--	-	35.8	--	-	42.5*	--	-	2	32	3.0
GLH	XP2737	42.4*	--	--	52.5	--	-	35.5	--	-	39.2*	--	-	3	30	1.6
JACQUES	J-201	41.6*	--	--	51.1	--	-	36.3	--	-	37.5	--	-	-3	30	1.3
JACQUES	J-231	43.9*	43.8	(11)	54.5*	54.0	(3)	36.7	37.5	(3)	40.5*	46.9	(3)	3	32	1.5
LAKESIDE	21	42.5*	--	--	54.2*	--	-	38.8*	--	-	34.4	--	-	5	33	1.8
LAKESIDE	30	37.5	--	--	49.4	--	-	27.2	--	-	35.9	--	-	6	35	3.0
LAKESIDE	36	38.5	--	--	51.7	--	-	32.8	--	-	31.1	--	-	7	37	1.5
LAKESIDE	125	41.5*	--	--	50.4	--	-	30.5	--	-	43.5*	--	-	1	35	1.8
LAKESIDE	MILLLER	39.0	43.3	(7)	49.5	51.2	(2)	39.8*	44.5	(2)	27.6	37.2	(2)	7	33	2.3
MAUMEE VALLEY	CALIBER	41.3*	41.5	(11)	47.9	48.4	(3)	36.8	38.3	(3)	39.2*	44.8	(3)	-1	35	2.7
MAUMEE VALLEY	ENTERPRISE	39.7	39.2	(7)	53.4*	48.9	(2)	35.3	35.5	(2)	30.5	34.8	(2)	3	32	1.6
MAUMEE VALLEY	KODIAK	38.2	41.2	(7)	49.0	49.4	(2)	30.3	34.8	(2)	35.3	42.2	(2)	5	36	2.8
MAUMEE VALLEY	MV-2E1	39.8	41.9	(11)	49.7	50.0	(3)	34.6	37.6	(3)	35.0	42.7	(3)	4	33	2.1
MAUMEE VALLEY	WARRIOR	40.0	41.7	(7)	51.6	51.0	(2)	32.1	34.7	(2)	36.4	42.0	(2)	5	33	2.0
MAUMEE VALLEY	WASHINGTON V	33.2	40.6	(11)	45.5	51.8	(3)	31.5	37.7	(3)	22.6	36.8	(3)	6	36	2.9
NK	S23-03	41.9*	41.6	(11)	51.4	49.4	(3)	39.9*	40.8	(3)	34.5	40.3	(3)	-1	32	1.9
NK	S23-12	47.1*	--	--	54.0*	--	-	39.8*	--	-	47.5*	--	-			
NK	S2596	41.3*	45.6	(16)	51.8	53.3	(7)	37.4*	38.8	(3)	34.7	41.7	(3)	3	29	1.6
NK	S27-10	37.5	38.9	(7)	46.0	46.2	(2)	33.6	36.2	(2)	32.9	40.2	(2)	2	30	1.7
PIONEER	9271	44.5*	43.2	(11)	53.4*	52.9	(3)	38.7*	39.7	(3)	41.4*	46.5	(3)	2	29	1.0
PIONEER	9292	41.0*	42.8	(11)	50.3	51.7	(3)	32.1	38.3	(3)	40.6*	46.7	(3)	2	29	0.9
PRIDE	B242	42.4*	43.4	(7)	52.5	53.9	(2)	35.3	36.9	(2)	39.4*	44.4	(2)	5	35	1.7
RUPP	RS2300	38.9	43.3	(18)	47.6	51.6	(8)	33.5	33.1	(4)	35.6	44.1	(3)	-1	32	1.5
RUPP	RS2460P	42.8*	44.7	(11)	54.2*	55.7	(3)	38.0*	41.1	(3)	36.2	44.7	(3)	4	32	2.5
RUPP	RS2544	39.3	42.2	(7)	51.0	47.8	(2)	37.9*	43.1	(2)	29.1	36.2	(2)	7	37	2.1
RUPP	EX 26905	43.3*	--	--	53.5*	--	-	36.2	--	-	40.3*	--	-	5	34	1.7
	LSD(.05)	6.22			6.79			4.22			8.90			2.3	2.6	0.80

(CONT'D)

* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD WITHIN THAT COLUMN.

TABLE 4. (Continued) Southern Michigan.

BRAND	ENTRY	YIELD (BU/A) ENTIRE SOUTHERN REGION 1986	AVG.	(N)	SOUTHEAST (LENAWEE CO.) 1986	AVG.	(N)	SOUTHWEST (ST. JOSEPH CO.) 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING SCORE
SCOTT	L2456	42.7*	43.1	(7)	50.7	49.2	(2)	35.0	36.1	(2)	42.5*	48.8	(2)	3	32	2.5
STINE	2510	39.6	42.1	(11)	51.1	53.2	(3)	31.6	37.3	(3)	36.1	43.2	(3)	2	26	1.7
STINE	2530	39.3	42.1	(7)	51.9	52.6	(2)	32.3	35.5	(2)	33.6	41.1	(2)	5	34	1.8
TERRA	OLYMPIAN	39.7	--	--	53.2*	--	-	35.8	--	-	30.1	--	-	3	30	1.7
TERRA	SPRINT	41.7*	--	--	52.2	--	-	37.7*	--	-	35.2	--	-	5	33	1.7
VORIS	V207	41.5*	44.3	(15)	45.8	49.5	(7)	34.2	32.9	(3)	44.5*	48.4	(3)	-2	36	2.1
VORIS	V235	39.0	--	--	46.6	--	-	33.2	--	-	37.1	--	-	4	32	1.8
VORIS	V311	39.0	42.2	(11)	54.6*	51.3	(3)	29.4	36.0	(3)	33.0	43.4	(3)	5	34	2.5
	LSD(.05)	6.22			6.79			4.22			8.90			2.3	2.6	0.80
	TEST MEAN	40.0			50.3			34.6			35.2			2.8	32.1	1.94
	CV	9.7			7.9			7.1			14.5				5.1	25.7

\+ CHECK VARIETY USED TO CALCULATE DEVIATION FROM STANDARD MATURITY.
* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD WITHIN THAT COLUMN.

TABLE 5. Central Michigan.

BRAND	ENTRY	YIELD (BU/A) ENTIRE CENTRAL REGION 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	CENTRAL (SAGINAW CO.) 1986	AVG.	(N)	EAST CENTRAL (SANILAC CO.) 1986	AVG.	(N)	EAST CENTRAL (ST. CLAIR CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING SCORE
PUBLIC	DASSEL (O)	28.2	36.3	(7)	--	--	-	31.5	43.4	(2)	26.7	26.4	(2)	26.2	26.4	(2)	-6	25	1.2
PUBLIC	DAWSON	36.3	40.5	(19)	--	--	-	30.6	39.3	(7)	38.5*	41.5	(5)	39.7	41.5	(5)	-8	28	1.8
PUBLIC	EVANS	31.6	36.8	(31)	--	--	-	29.5	37.5	(14)	32.0	36.2	(9)	33.2	36.2	(9)	-7	27	1.6
PUBLIC	BSR 101 (I)	39.1*	41.4	(13)	39.6*	44.0	(2)	31.4	43.0	(6)	41.3*	40.1	(3)	44.2*	40.1	(3)	1	32	1.8
PUBLIC	HARDIN	38.2*	45.2	(22)	40.2*	42.7	(3)	39.1	48.7	(9)	37.8	44.8	(7)	35.6	44.8	(7)	-3	32	2.2
PUBLIC	HODGSON 78	29.4	41.3	(33)	30.5	41.9	(4)	28.0	41.3	(15)	28.9	41.9	(10)	30.1	41.9	(10)	-8	29	2.0
PUBLIC	SIBLEY	36.5	40.8	(10)	47.3*	--	-	28.3	43.0	(6)	36.3	35.2	(2)	34.2	35.2	(2)	-8	30	2.1
PUBLIC	WEBER 84	37.3	38.8	(15)	43.3*	44.1	(3)	27.3	39.9	(6)	39.5*	36.3	(4)	39.0	36.3	(4)	-5	33	2.4
PUBLIC	AMCOR (II)	38.4*	42.3	(17)	38.4	40.9	(3)	32.3	42.5	(8)	40.0*	42.9	(6)	43.0*	42.9	(6)	4	36	2.7
PUBLIC	BEESON 80	29.1	39.2	(19)	20.4	36.6	(3)	32.3	43.3	(9)	31.1	35.2	(7)	32.4	35.2	(7)	6	28	1.7
PUBLIC	BSR 201	35.4	42.2	(12)	38.2	46.0	(2)	22.2	42.1	(7)	39.6*	39.9	(3)	41.5	39.9	(3)	3	32	2.5
PUBLIC	CENTURY	36.1	42.3	(20)	31.5	41.4	(3)	29.9	43.3	(10)	39.2*	41.3	(7)	43.9*	41.3	(7)	4	32	1.7
PUBLIC	CENTURY 84	39.0*	41.4	(9)	36.7	40.5	(2)	36.6	42.2	(4)	42.3*	41.1	(3)	40.3	41.1	(3)	4	32	1.5
PUBLIC	CORSOY	36.2	39.4	(29)	39.7*	41.7	(5)	26.0	40.2	(14)	39.3*	36.6	(8)	39.9	36.6	(8)	-1	34	2.5
PUBLIC +	CORSOY 79	36.3	43.4	(30)	37.3	43.5	(4)	29.0	43.9	(14)	34.5	44.7	(9)	44.2*	44.7	(9)	10-9	35	2.4
PUBLIC	ELGIN	37.3	43.8	(16)	37.3	42.3	(3)	30.9	46.6	(8)	41.0*	42.2	(4)	40.0	42.2	(4)	1	26	1.8
PUBLIC	HACK	39.2*	41.7	(10)	36.0	41.5	(2)	37.4	42.1	(5)	44.5*	41.2	(3)	38.9	41.2	(3)	2	30	1.5
PUBLIC	HOYT	34.0	39.6	(8)	29.6	--	-	28.4	41.8	(5)	36.3	39.0	(2)	41.7	39.0	(2)	2	27	1.9
PUBLIC	KELLER	34.6	40.0	(8)	33.7	41.4	(2)	29.2	40.0	(3)	36.9	39.1	(3)	38.7	39.1	(3)	3	30	1.8
PUBLIC	MIAMI	33.3	38.5	(9)	31.4	39.0	(2)	25.8	39.3	(4)	35.1	37.1	(3)	40.8	37.1	(3)	1	31	1.6
PUBLIC	NEBSOY	36.6	40.6	(20)	39.2*	47.0	(3)	34.6	42.2	(10)	38.7*	35.6	(7)	33.9	35.6	(7)	1	29	1.8
PUBLIC	PRESTON	36.4	38.5	(7)	39.6*	--	-	38.4	40.6	(4)	38.4*	33.7	(2)	29.0	33.7	(2)	4	33	2.1
PUBLIC	VICKERY	36.2	42.1	(21)	35.4	40.7	(3)	31.3	42.6	(11)	41.3*	41.8	(7)	36.7	41.8	(7)	0	34	2.9
PUBLIC	WELLS II	33.9	40.2	(22)	36.7	40.8	(3)	31.9	42.7	(11)	34.1	36.4	(8)	32.9	36.4	(8)	-1	32	1.6
PUBLIC	PELLA (III)	37.4	43.4	(13)	33.2	45.0	(3)	29.7	39.3	(5)	40.6*	46.7	(5)	45.9*	46.7	(5)	6	33	1.8
	LSD(.05)	5.71			8.90			6.49			6.96			10.65			2.4	2.8	0.55

(CONT'D)

\+ CHECK VARIETY USED TO CALCULATE DEVIATION FROM STANDARD MATURITY.
* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD IN THAT COLUMN.

TABLE 5. (Continued) Central Michigan.

BRAND	ENTRY	YIELD (BU/A) ENTIRE CENTRAL REGION 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	CENTRAL (SAGINAW CO.) 1986	AVG.	(N)	EAST CENTRAL (SANILAC CO.) 1986	AVG.	(N)	EAST CENTRAL (ST. CLAIR CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING SCORE
PUBLIC	ZANE	37.1	39.5	(7)	31.7	37.1	(2)	34.6	40.4	(2)	41.6*	40.5	(3)	40.5	40.5	(3)	5	32	1.9
AGRIPRO	AP200	34.0	43.4	(18)	35.7	42.5	(3)	28.4	45.7	(9)	40.2*	40.3	(6)	31.5	40.3	(6)	-4	31	2.0
AGRIPRO	AP2190	35.6	40.0	(7)	33.3	42.7	(2)	33.3	38.0	(2)	42.1*	39.5	(3)	33.8	39.5	(3)	1	30	1.7
AGRIPRO	EX 2021	38.4*	--	--	36.9	--	-	32.3	--	-	39.7*	42.2	(2)	44.7*	42.2	(2)	-1	33	2.1
ASGROW	A0949	34.0	32.9	(5)	35.8	--	-	33.7	--	-	39.0*	33.2	(2)	27.4	33.2	(2)	-6	28	1.7
ASGROW	A1525	36.4	37.0	(9)	33.5	39.0	(2)	39.7	41.3	(2)	35.0	34.0	(3)	37.5	34.0	(3)	-5	29	1.5
ASGROW	A1937	37.1	44.7	(19)	34.1	43.4	(3)	31.1	45.5	(7)	41.4*	45.1	(6)	41.9	45.1	(6)	-4	31	2.1
CALLAHAN	1250	41.5*	44.1	(11)	35.6	44.9	(3)	35.5	43.6	(4)	44.8*	43.9	(4)	49.9*	43.9	(4)	5	33	1.8
CALLAHAN	6180X	41.0*	42.0	(8)	41.9*	42.4	(2)	37.8	44.4	(2)	36.9	40.9	(3)	47.4*	40.9	(3)	-4	30	1.7
CALLAHAN	6220X	39.1*	41.4	(7)	38.0	43.8	(2)	36.8	41.0	(2)	38.3*	40.1	(3)	43.4*	40.1	(3)	2	33	1.7
CALLAHAN	6262X	39.3*	42.2	(7)	35.6	43.8	(2)	33.9	39.4	(2)	42.0*	43.1	(3)	45.7*	43.1	(3)	5	31	1.9
CALLAHAN	7244X	39.8*	--	--	41.8*	--	-	29.3	--	-	40.4*	44.0	(2)	47.6*	44.0	(2)	3	32	1.9
CALLAHAN	7260X	40.4*	--	--	40.1*	--	-	33.0	--	-	42.5*	44.3	(2)	46.1*	44.3	(2)	3	29	1.7
CALLAHAN	7272X	37.2	--	--	37.8	--	-	29.6	--	-	36.5	40.6	(2)	44.8*	40.6	(2)	3	33	2.0
COUNTRYMARK	FFR 112	35.7	--	--	35.4	--	-	31.7	--	-	35.4	37.8	(2)	40.2	37.8	(2)	2	29	1.6
COUNTRYMARK	FFR 226	33.5	--	--	34.2	--	-	25.6	--	-	39.6*	37.2	(2)	34.7	37.2	(2)	5	36	2.0
COUNTRYMARK	FFR 241	37.0	--	--	34.8	--	-	31.0	--	-	40.6*	41.2	(2)	41.7	41.2	(2)	3	34	1.7
DAIRYLAND	DSR-120	35.3	41.7	(20)	35.3	43.0	(3)	28.9	42.6	(8)	37.6	41.1	(6)	39.4	41.1	(6)	-7	28	2.1
DAIRYLAND	DSR-128	38.3*	39.8	(8)	37.5	42.7	(2)	33.9	36.6	(2)	41.7*	39.4	(3)	40.0	39.4	(3)	-8	28	1.3
DAIRYLAND	DSR-135	34.4	37.1	(10)	37.4	44.6	(2)	29.7	34.8	(2)	32.2	35.9	(3)	38.1	35.9	(3)	-6	28	2.0
DAIRYLAND	DSR-171	35.5	43.1	(21)	34.4	40.6	(3)	33.2	45.3	(9)	36.1	43.4	(6)	38.2	43.4	(6)	-1	34	2.0
DAIRYLAND	DSR-255	32.6	35.4	(7)	33.3	38.8	(2)	25.4	30.8	(2)	39.3*	36.2	(3)	32.4	36.2	(3)	1	31	1.8
DAIRYLAND	DST-1103	39.2*	37.0	(5)	40.4*	--	-	28.4	--	-	39.0*	44.0	(2)	49.1*	44.0	(2)	-7	29	2.2
DAIRYLAND	DST-1207	37.2	35.9	(5)	41.6*	--	-	33.0	--	-	35.9	37.1	(2)	38.3	37.1	(2)	-5	28	2.2
DAIRYLAND	DST-2203	33.2	--	--	35.0	--	-	33.2	--	-	33.5	32.4	(2)	31.2	32.4	(2)	4	28	1.5
DAIRYLAND	DST-2204	32.4	--	--	22.6	--	-	23.9	--	-	40.6*	41.6	(2)	42.5	41.6	(2)	5	29	1.7
DEKALB-PFIZER	CX174	36.4	39.4	(13)	35.1	42.5	(3)	37.7	41.1	(4)	36.7	36.6	(4)	36.2	36.6	(4)	0	30	1.6
DEKALB-PFIZER	CX265	37.1	38.6	(5)	35.1	39.8	(2)	36.2	--	-	34.8	38.6	(2)	42.4	38.6	(2)	4	33	1.7
DIEHL FIELDS	EXP 101	42.2*	--	--	42.4*	--	-	46.5*	--	-	42.7*	39.9	(2)	37.1	39.9	(2)	-3	31	1.5
FUNK	G3145	38.0*	40.6	(13)	37.1	42.2	(3)	32.2	41.8	(4)	42.4*	39.7	(4)	40.2	39.7	(4)	-2	30	2.2
FUNK	G3180	38.1*	38.8	(8)	38.2	42.9	(2)	32.5	37.8	(2)	35.4	39.0	(3)	46.2*	39.0	(3)	-5	28	2.2
FUNK	12283	35.9	35.2	(5)	38.4	--	-	37.2	--	-	34.7	34.0	(2)	33.4	34.0	(2)	-5	27	1.6
GOLDEN HARVEST	H-1233	39.4*	41.5	(7)	41.7*	44.2	(2)	33.0	38.2	(2)	38.8*	41.9	(3)	44.1*	41.9	(3)	1	31	1.9
GOLDEN HARVEST	H-1265	37.3	--	--	36.9	--	-	30.6	--	-	35.9	40.8	(2)	45.8*	40.8	(2)	3	31	2.1
GOLDEN HARVEST	H-1285	39.9*	42.4	(7)	33.5	40.3	(2)	33.9	40.0	(2)	41.0*	45.7	(3)	51.2*	45.7	(3)	4	33	2.0
GLH	GL1434	34.0	33.8	(9)	39.5*	41.3	(2)	30.0	31.8	(2)	33.3	32.4	(3)	33.0	32.4	(3)	-5	32	1.8
GLH	GL1900	35.1	37.6	(9)	37.1	44.0	(2)	30.9	37.0	(2)	35.6	35.8	(3)	36.8	35.8	(3)	0	27	1.9
GLH	GL1937	36.4	41.4	(16)	36.4	41.5	(3)	31.8	41.9	(5)	38.2	42.5	(5)	39.0	42.5	(5)	-2	31	1.9
GLH	GL2634	38.6*	44.6	(13)	41.5*	46.0	(3)	27.8	42.2	(5)	40.7*	46.1	(5)	44.3*	46.1	(5)	3	33	1.8
GLH	XP1909	38.3*	--	--	38.8*	--	-	33.6	--	-	37.8	40.4	(2)	43.1*	40.4	(2)	0	31	2.2
GLH	XP2206	40.4*	--	--	41.5*	--	-	30.4	--	-	45.2*	44.8	(2)	44.5*	44.8	(2)	4	37	2.1
GLH	XP2478	39.0*	--	--	42.5*	--	-	28.5	--	-	40.5*	42.6	(2)	44.6*	42.6	(2)	2	33	2.1
GLH	XP2633	35.4	--	--	29.9	--	-	30.9	--	-	41.4*	40.3	(2)	39.2	40.3	(2)	6	34	2.2
GLH	XP2737	36.7	--	--	39.2*	--	-	28.5	--	-	34.8	40.0	(2)	44.3*	40.0	(2)	3	31	2.2
JACQUES	J-201	38.8*	--	--	37.5	--	-	29.6	--	-	42.2*	44.0	(2)	45.9*	44.0	(2)	-3	32	1.7
JACQUES	E85092	36.8	35.3	(5)	35.6	--	-	34.2	--	-	36.6	38.8	(2)	40.9	38.8	(2)	-7	31	1.9
KING GRAIN	KG60	36.8	36.2	(13)	41.8*	39.3	(3)	28.0	37.8	(4)	39.6*	34.7	(4)	37.7	34.7	(4)	-7	26	1.7
KING GRAIN	KG70	35.5	39.0	(18)	43.2*	43.1	(3)	28.7	37.9	(6)	31.6	38.8	(6)	38.4	38.8	(6)	-6	33	2.4
KING GRAIN	KG80	38.2*	38.7	(7)	37.1	40.4	(2)	32.3	34.0	(2)	39.1*	40.7	(3)	44.2*	40.7	(3)	-8	33	2.3
KING GRAIN	KG81	40.1*	--	--	38.4	--	-	36.9	--	-	37.3	42.6	(2)	47.9*	42.6	(2)	-3	30	1.7
KING GRAIN	KG90	38.7*	42.4	(11)	37.5	44.9	(3)	32.0	42.2	(4)	41.5*	40.7	(4)	43.8*	40.7	(4)	1	35	1.9
LAKESIDE	15	40.7*	39.0	(5)	42.2*	--	-	39.0	--	-	43.5*	40.8	(2)	38.1	40.8	(2)	-3	31	1.6
LAKESIDE	21	39.9*	--	--	34.4	--	-	28.8	--	-	43.3*	48.2	(2)	53.2*	48.2	(2)	4	32	1.6
LAKESIDE	22	38.0*	--	--	30.8	--	-	33.5	--	-	36.9	43.8	(2)	50.7*	43.8	(2)	3	33	2.1
LAKESIDE	24	39.6*	--	--	39.6*	--	-	30.4	--	-	42.0*	44.1	(2)	46.2*	44.1	(2)	2	31	1.8
LAKESIDE	106	35.0	--	--	41.6*	--	-	25.0	--	-	39.9*	36.8	(2)	33.6	36.8	(2)	3	32	2.4
LAKESIDE	116	39.5*	38.3	(5)	37.3	--	-	33.6	--	-	42.2*	43.5	(2)	44.8*	43.5	(2)	1	32	1.4
NK	S15-50	38.8*	37.9	(9)	40.6*	43.2	(2)	37.1	36.4	(2)	39.9*	37.9	(3)	37.4	37.9	(3)	-6	33	2.0
NK	S18-84	36.8	44.1	(18)	41.2*	42.8	(3)	33.3	45.2	(6)	35.4	44.8	(6)	37.3	44.8	(6)	-2	30	1.8
NK	S23-03	38.6*	40.9	(8)	34.5	40.3	(3)	34.0	38.7	(2)	43.0*	42.9	(3)	43.0*	42.9	(3)	-2	33	1.8
NK	S23-12	40.1*	--	--	47.5*	--	-	39.7	--	-	34.1	36.6	(2)	39.2	36.6	(2)	0	33	1.3
PIONEER	1981	37.9*	39.4	(9)	39.6*	44.8	(2)	34.5	38.2	(2)	38.5*	39.8	(3)	39.1	39.8	(3)	-2	31	1.7
PIONEER	9251	39.2*	--	--	35.3	--	-	33.7	--	-	42.3*	43.9	(2)	45.5*	43.9	(2)	3	29	1.3
PRIDE	B152	38.1*	39.2	(9)	45.4*	43.6	(2)	35.1	41.7	(3)	33.3	36.3	(3)	38.6	36.3	(3)	-6	27	1.4
PRIDE	B203	34.4	40.6	(11)	31.5	38.3	(2)	31.0	45.8	(5)	36.9	35.3	(4)	38.3	35.3	(4)	-1	27	1.7
RUPP	RS2300	37.0	43.6	(17)	35.6	44.1	(3)	38.6	45.1	(8)	38.8*	41.4	(6)	34.8	41.4	(6)	-1	34	1.8
RUPP	RS2460P	37.6*	41.1	(11)	36.2	44.7	(3)	29.9	42.0	(4)	37.3	37.4	(4)	47.1*	37.4	(4)	4	32	2.0
	LSD(.05)	5.71			8.90			6.49			6.96			10.65			2.4	2.8	0.55

(CONT'D)

* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD IN THAT COLUMN.

TABLE 5. (Continued) Central Michigan.

BRAND	ENTRY	YIELD (BU/A) ENTIRE CENTRAL REGION 1986	AVG.	(N)	SOUTH CENTRAL (INGHAM CO.) 1986	AVG.	(N)	CENTRAL (SAGINAW CO.) 1986	AVG.	(N)	EAST CENTRAL (SANILAC CO.) 1986	AVG.	(N)	EAST CENTRAL (ST. CLAIR CO.) 1986	AVG.	(N)	MATURITY	HEIGHT	LODGING SCORE
SCOTT	L1808	34.0	32.9	(5)	31.5	--	-	30.9	--	-	39.6*	36.8	(2)	33.9	36.8	(2)	-2	29	2.1
STINE	2710E	40.8*	--	--	40.7*	--	-	35.4	--	-	44.5*	43.6	(2)	42.7*	43.6	(2)	3	34	1.9
STINE	2820	39.6*	--	--	43.0*	--	-	35.2	--	-	37.6	40.0	(2)	42.4	40.0	(2)	-2	34	2.1
TERRA	HURDLE	37.5*	--	--	37.6	--	-	36.0	--	-	39.6*	38.2	(2)	36.8	38.2	(2)	2	31	1.5
TERRA	RUNNER	34.7	33.4	(5)	38.3	--	-	23.4	--	-	36.7	38.4	(2)	40.2	38.4	(2)	0	32	2.0
VORIS	V207	39.5*	44.8	(19)	44.5*	48.4	(3)	31.6	45.1	(9)	36.4	42.8	(7)	45.4*	42.8	(7)	-1	36	1.7
VORIS	V235	35.6	--	--	37.1	--	-	31.3	--	-	40.7*	37.0	(2)	33.2	37.0	(2)	4	30	1.7
VORIS	V311	37.5*	41.8	(8)	33.0	43.4	(3)	27.5	37.6	(2)	43.3*	43.0	(3)	46.2*	43.0	(3)	7	34	2.5
	LSD(.05)	5.71			8.90			6.49			6.96			10.65			2.4	2.8	0.55
	TEST MEAN	36.9			36.11			32.01			38.50			40.26				31.0	1.88
	CV	11.2			14.5			11.8			10.5			15.4				6.0	21.1

* NOT SIGNIFICANTLY DIFFERENT FROM HIGHEST YIELD IN THAT COLUMN.

TABLE 6. Saginaw Bay Area (Huron Co.).

BRAND		ENTRY	YIELD 1985	AVG.	(N)	MATURITY DATE	DEV	HEIGHT	LODGING SCORE
PUBLIC		DASSEL	23.9	38.3	(3)	10-2	-3	24	1.6
PUBLIC		DAWSON	32.4	40.2	(5)	9-25	-10	31	2.2
PUBLIC		EVANS	29.0	35.0	(4)	9-27	-8	30	1.8
PUBLIC		OZZIE	28.0	34.9	(4)	9-26	-8	29	1.3
PUBLIC		SIMPSON	34.4	39.2	(4)	9-28	-7	28	1.6
PUBLIC		BSR 101	29.4	36.2	(2)	10-7	3	30	1.8
PUBLIC		HARDIN	28.0	37.8	(3)	10-5	1	29	2.0
PUBLIC	+	HODGSON 78	24.8	39.5	(4)	10-5	10-5	27	1.9
PUBLIC		SIBLEY	31.9	--	-	10-5	0	34	2.5
PUBLIC		WEBER 84	28.2	32.4	(2)	10-6	1	38	2.2
PUBLIC		CORSOY 79	30.6	37.2	(3)	10-9	4	38	2.3
PUBLIC		ELGIN	33.1	--	-	10-7	3	28	2.3
ASGROW		A0949	28.6	--	-	10-2	-3	36	1.2
ASGROW		A1525	30.8	35.0	(2)	10-5	1	31	1.6
ASGROW		A1937	31.8	43.5	(3)	10-3	-2	29	2.1
DAIRYLAND		DSR-120	33.6	39.3	(3)	9-29	-6	30	1.9
DAIRYLAND		DSR-128	32.5	35.0	(3)	10-1	-4	29	0.8
DAIRYLAND		DSR-135	29.7	35.0	(3)	9-30	-5	33	2.0
DAIRYLAND		DSR-171	28.4	38.3	(3)	10-6	2	35	2.3
DAIRYLAND		DST-1103	28.3	--	-	9-30	-5	29	2.1
DAIRYLAND		DST-1207	30.5	--	-	10-5	0	32	2.3
DEKALB-PFIZER		CX174	31.4	36.7	(2)	10-7	3	31	1.5
FUNK		G3145	33.0	38.0	(2)	10-7	2	35	2.3
FUNK		G3180	32.3	--	-	10-4	0	30	2.0
FUNK		12283	32.5	--	-	10-6	1	28	1.7
GLH		GL1434	28.0	30.6	(2)	10-5	1	35	2.3
GLH		GL1900	31.4	34.5	(2)	10-8	3	27	2.0
GLH		GL1937	32.0	38.5	(3)	10-6	1	29	2.0
JACQUES		E85092	29.3	--	-	10-1	-3	33	1.4
KING GRAIN		KG60	30.4	31.6	(2)	9-28	-6	24	1.3
		LSD(.05)	NS				3.4	4.9	0.99

(CONT'D)

\+ CHECK VARIETY USED TO CALCULATE DEVIATION FROM STANDARD MATURITY.

TABLE 6. (Continued) Saginaw Bay Area (Huron Co.).

BRAND	ENTRY	YIELD 1985	YIELD AVG.	YIELD (N)	MATURITY DATE	MATURITY DEV	HEIGHT	LODGING SCORE
KING GRAIN	KG70	31.1	37.3	(3)	10-4	-1	36	2.3
LAKESIDE	15	32.2	--	-	10-4	-1	37	2.7
LAKESIDE	116	33.8	--	-	10-8	3	35	2.5
NK	S15-50	32.2	34.2	(2)	10-6	1	35	1.7
NK	S18-84	34.2	41.9	(3)	10-7	2	34	2.7
PIONEER	1981	27.8	34.6	(7)	10-8	3	32	2.1
PRIDE	B152	31.5	--	-	10-4	-1	32	1.7
SCOTT	L1808	28.7	--	-	10-4	-1	28	1.9
TERRA	RUNNER	28.4	--	-	10-8	3	29	1.3
	LSD(.05)	NS				3.4	4.9	0.99
	TEST MEAN	30.35			10-3	-1.4	30.8	1.86
	CV	14.6				5.5	8.6	28.7

+ CHECK VARIETY USED TO CALCULATE DEVIATION FROM STANDARD MATURITY.

TABLE 7. Upper Peninsula (Alger County).

Brand	Entry	Yield (Bu/A) 1985	Yield (Bu/A) Avg.	Yield (Bu/A) (N)	Maturity	Height	Lodging Score
PUBLIC	BICENTENNIAL (00)	27.3*	28.7	(2)	+5	18	1.5
PUBLIC	CHICO (0)	11.5	—	—	+25	19	1.6
PUBLIC	CLAY (0)	15.8	17.0	(3)	+12	15	1.8
PUBLIC	MAPLE AMBER (00)	26.0*	31.0	(3)	-1	17	1.0
PUBLIC	MAPLE RIDGE (00)	22.3	22.9	(2)	-3	15	1.0
PUBLIC	MCCALL (00)	26.0*	27.0	(3)	0	16	1.1
	LSD (.05)	3.3					
	TEST MEAN	21.5					

*Not significantly different from highest yield in that column.

*Revised (destroy previous edition) 1:87-3.5M-**KMF-SP**, 55¢, For Sale Only*