1987 Michigan Soybean Performance Report
Michigan State University Extension Service
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# 1987 Michigan Soybean Performance Report

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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 and Macomb Counties). A smaller trial was conducted in Huron County.

## 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 eight 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, 1½ inches deep at 4.5 seeds per foot of row. Each plot was randomized in the trial 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.

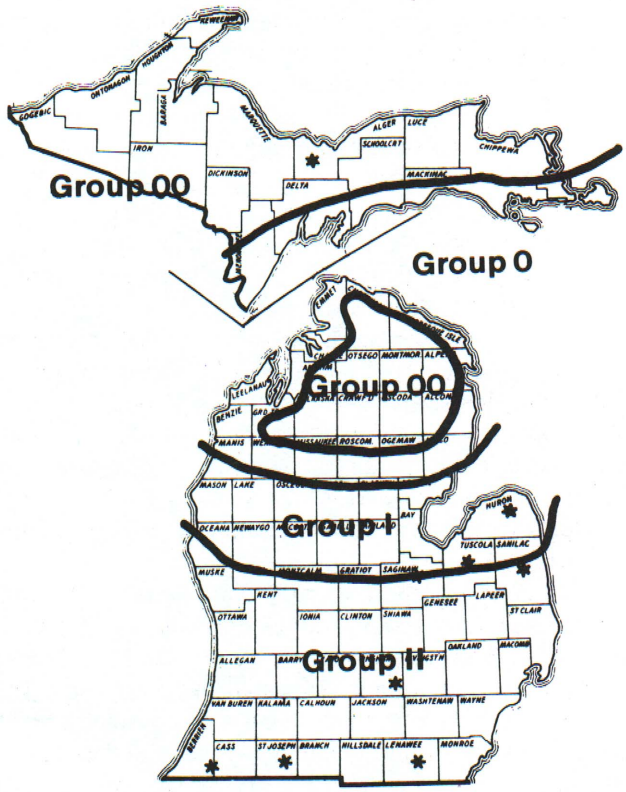
HEIGHT—Plant height, in inches, was measured at maturity from the soil surface to the tip of the main stem.

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 2-5 show results of 1987 soybean variety trials. Values given are the averages of all replications harvested at each location. Extremely dry weather in June and July adversely affected the plots in Huron county.




*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 rots. 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,

The most important and widespread root disease is Phytophthora root rot. New varieties with resistance to several races of the fungus have been developed, but no variety is resistant to all races. Disease resistance characteristics of varieties to Phytophthora root rot are given in Table 2. Growers who have experienced losses due to this disease would increase their chances of success by using one of the multi-race resistant varieties.

Sclerotinia stem rot (white mold) is a problem in some fields, especially where white beans were grown in the past. Field tests in 1984 and 1985 indicated wide differences in disease among varieties (see 1986 Michigan Soybean Performance Report—E-1206). Where problems with this disease are experienced one of the varieties with lower disease ratings might be beneficial.

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," and E-2080 "Producing Soybeans in Narrow Rows."

## Use of Data

Table 2 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 3 through 5 are from both regional and site-specific performance trials. Both 1987 yields and multiple-year average yields from all tests since 1975 are given. Maturity, height (in inches), and lodging scores are the 1987 regional averages. Maturity is expressed as + or – days when compared with the check variety. For 1987 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.

**TABLE 1. Variety trial information.**

| County | Lenawee | St. Joseph | Berrien | Ingham | Saginaw | Macomb | Sanilac | Huron |
|---|---|---|---|---|---|---|---|---|
| CES Director/ Agent | N. R. Bless<br>G. A. Wuethrich | F. J. Henningsen<br>M. J. Kaercher | J. E. Niebauer<br>J. Davidhizar | M. M. Preston<br>D. R. Batchelor | Jim Thews<br>S. S. Poindexter | J. L. Voorheis<br>L. J. Jess | R. C. Weber<br>M. Nagelkirk | R. A. Johnson<br>J. P. LeCureux |
| Farmer Cooperator | David Woods | B. Marantette<br>J. Sheppard | B. Anderson | | C. Gosen | R. A. Greenia | K. Pritchett | J. Jurgess |
| Address | Woods Seed Farm<br>10992 Holloway Rd.<br>Britton, MI | MFI<br>25660 Simpson Rd.<br>Mendon, MI | Andrews University<br>Berrien Springs, MI | MSU Campus<br>East Lansing, MI | 8735 Swan Creek Rd.<br>Saginaw, MI | Greenia Bros. Farm<br>1395 Kronner Rd.<br>Richmond, MI | 2985 S. Sandusky Rd.<br>Sandusky, MI | 4300 Sand<br>Beach Rd.<br>Bad Axe, MI |
| Soil Type | Lenawee silty clay loam | Elston sandy loan | Abscota sandy loam | Capac loam | Pella silt loam and Kibbie fine sandy loam | Parkhill loam | Capac loam and fine sandy loam | Shebeon loam and Kilmanagh loam |
| Soil Management Group | 1.5c | 4a | L-4a | 2.5b | 2.5c-s and 2.5b-s | 2.5c | 2.5b | 2.5b-d and 2.5c |
| Previous Crop | Wheat | Corn | Corn | Corn | Corn | Barley | Sugarbeets | Corn |
| Fertilizer | 250# 0-0-60 | 200# 5-14-24 with 5% ZN | None | 200# 6-24-24 | 200# 5-20-20 | 200# 6-24-24 | 290# 8-17-34 | 200# 6-24-24 |
| Planting Date | 5/7/87 | 5/25/87 | 5/26/87 | 5/11/87 | 5/13/87 | 5/21/87 | 5/21/87 | 5/27/87 |
| Harvest Date | 10/1/87 | 10/3/87 | 10/13/87 | 10/10/87 | 10/9/87 | 10/15/87 | 10/14/87 | 10/16/87 |

**TABLE 2. Performance Summary for Varieties Entered in the Michigan Trials in 1987. 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.**

| | | Phyt. Res. | Yield (bu/A) with deviation from mean | | | | | | Maturity relative to checks | | | | | | Lodging Score | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Southern | | | Central | | | Southern | | | Central | | | | |
| Brand / Entry | MG | Type | Yield | (n) | Dev. | Yield | (n) | Dev. | Date | H78 | C79 | Date | H78 | C79 | South. | Central |
| **Public** | | | | | | | | | | | | | | | | |
| Amcor | II | Rps1a | 44.0 | (21) | -0.1 | 45.7 | (21) | 0.3 | 9-28 | 12 | 5 | 10-7 | 12 | 4 | 3.1 | 3.0 |
| Beeson 80 | II | Rps1c | 36.0 | (21) | -8.1 * | 37.1 | (23) | -7.5 *L | 9-26 | 10 | 3 | 10-7 | 11 | 4 | 2.0 | 2.2 |
| BSR 101 | I | Rps1a | 48.6 | (15) | 2.3 | 46.7 | (18) | 2.0 * | 9-20 | 4 | -3 | 10-3 | 8 | -1 | 1.7 | 2.1 |
| BSR 201 | II | Rps1b | 48.9 | (18) | 1.5 | 47.0 | (16) | 1.1 | 9-25 | 10 | 3 | 10-6 | 11 | 2 | 2.7 | 3.0 |
| Century | II | Rps1a | 46.0 | (22) | 1.6 | 44.8 | (24) | 0.5 | 9-27 | 10 | 4 | 10-7 | 11 | 4 | 1.9 | 2.1 |
| Century 84 | II | Rps1c | 46.7 | (13) | 1.4 | 48.3 | (13) | 2.7 * | 9-26 | 11 | 4 | 10-7 | 13 | 4 | 1.5 | 1.9 |
| Corsoy | II | None | 42.7 | (30) | 0.5 | 40.9 | (33) | -0.5 L | 9-23 | 6 | 0 | 10-1 | 6 | 0 | 2.5 | 2.3 |
| Corsoy 79 | II | Rps1c | 43.5 | (28) | 0.4 | 45.2 | (35) | 1.6 * | 9-24 | 7 | 0 | 10-3 | 7 | 0 | 2.6 | 2.5 |
| Dassel | 0 | Rps6 | – | – | – | 41.3 | (11) | -4.9 | – | – | – | 9-23 | -2 | -10 | – | 1.3 |
| Dawson | 0 | Rps1a | – | – | – | 42.2 | (23) | -2.1 L | – | – | – | 9-21 | -5 | -13 | – | 1.7 |
| Elgin | II | None | 47.8 | (19) | 2.9 * | 48.2 | (20) | 3.6 * | 9-23 | 8 | 0 | 10-3 | 7 | 0 | 2.2 | 2.2 |
| Gnome 85 | III | Rps1k | 48.3 | (11) | -0.2 | 43.4 | (7) | -0.4 | 9-25 | 11 | 5 | 10-6 | 14 | 5 | 1.4 | 1.5 |
| Hack | II | Rps1a | 48.2 | (14) | 2.2 | 46.8 | (14) | 1.5 | 9-25 | 10 | 3 | 10-5 | 11 | 2 | 1.6 | 1.7 |
| Hardin | I | Rps1a | 44.3 | (21) | 0.8 | 47.3 | (27) | 2.8 * | 9-21 | 4 | -2 | 10-1 | 5 | -2 | 2.4 | 2.4 |
| Hobbit | III | None | 44.3 | (19) | 2.5 | 48.7 | (4) | 3.4 | 9-29 | 14 | 7 | 10-10 | 15 | 5 | 1.2 | 1.5 |
| Hodgson 78 | I | Rps1a | 41.1 | (30) | -1.6 | 42.8 | (38) | -0.7 | 9-17 | 0 | -6 | 9-26 | 0 | -7 | 2.0 | 1.8 |
| Hoyt | II | Rps1a | 51.2 | (11) | 3.3 | 44.3 | (12) | -1.6 | 9-25 | 12 | 5 | 10-6 | 12 | 3 | 1.6 | 1.6 |
| Keller | II | Rps1c, Rps3 | 44.0 | (12) | -0.9 | 46.5 | (12) | 0.2 | 9-26 | 11 | 3 | 10-6 | 11 | 3 | 2.3 | 2.5 |
| Miami | II | Rps1c, Rps3 | 41.4 | (13) | -4.0 | 42.1 | (13) | -3.5 *L | 9-21 | 6 | -2 | 10-1 | 7 | -2 | 2.0 | 2.1 |
| Nebsoy | II | Rps1a | 43.7 | (22) | -0.7 | 43.4 | (24) | -1.0 | 9-23 | 7 | 0 | 10-4 | 8 | 0 | 1.7 | 1.8 |
| Ozzie | 0 | Rps1a | – | – | – | 39.3 | (18) | -4.2 * | – | – | – | 9-19 | -8 | -15 | – | 1.2 |
| Pella | III | Rps1a | 46.5 | (17) | 3.8 H | 49.0 | (17) | 3.8 * | 9-30 | 13 | 6 | 10-8 | 12 | 5 | 1.9 | 2.0 |
| Preston | II | None | 51.4 | (10) | 3.6 * | 47.5 | (11) | 1.8 | 9-26 | 13 | 6 | 10-6 | 12 | 4 | 2.4 | 2.5 |
| Sherman | III | None | 65.2 | (4) | 13.6 * | – | – | – | 9-30 | 25 | 16 | – | – | – | 3.5 | – |
| Sibley | I | Rps1a | 49.0 | (12) | 1.9 | 44.6 | (15) | -1.1 | 9-14 | 1 | -6 | 9-25 | 0 | -8 | 2.3 | 2.2 |

(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 2. (Continued) Performance Summary for Varieties Entered in the Michigan Trials in 1987. 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 | (n) | Dev. | Central Yield | (n) | Dev. | Maturity relative to checks: Southern Date | H78 | C79 | Central Date | H78 | C79 | Lodging Score: South. | Central |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Simpson | 0 | Rps1a | – | – | – | 39.5 | (16) | -3.4 * | – | – | – | 9-22 | -4 | -11 | – | 1.4 |
| Vickery | II | Rps1c | 43.8 | (22) | -0.6 | 44.1 | (25) | 0.2 | 9-22 | 6 | -1 | 10-2 | 6 | -1 | 3.1 | 2.9 |
| Weber 84 | I | Rps1a | 41.7 | (17) | -2.5 | 42.4 | (20) | -1.5 | 9-21 | 5 | -3 | 9-30 | 5 | -3 | 2.7 | 2.4 |
| Wells II | II | Rps1c | 42.1 | (24) | -2.2 * | 41.8 | (26) | -1.7 L | 9-22 | 5 | -2 | 10-2 | 6 | -1 | 1.7 | 1.6 |
| Zane | III | None | 48.6 | (11) | 3.7 | 47.5 | (11) | 1.6 | 9-30 | 14 | 6 | 10-8 | 14 | 5 | 2.4 | 2.4 |
| **Agripro** | | | | | | | | | | | | | | | | |
| AP1776 | I | Rps1a | – | – | – | 56.3 | (5) | -1.8 | – | – | – | 9-18 | 2 | -8 | – | 1.2 |
| AP2021 | II | Rps1a | – | – | – | 48.7 | (8) | 1.3 | – | – | – | 9-28 | 5 | -4 | – | 2.2 |
| AP2190 | II | Rps1a | 44.9 | (11) | 0.0 | 41.8 | (8) | 1.1 | 9-24 | 8 | 0 | 10-5 | 9 | 0 | 2.1 | 1.6 |
| AP3132 | III | None | 51.9 | (7) | 5.1 | – | – | – | 9-26 | 14 | 6 | – | – | – | 2.1 | – |
| HP2530 | II | Rps1a | 46.5 | (18) | 2.0 * | 45.7 | (10) | 1.7 | 9-26 | 9 | 2 | 10-6 | 8 | 2 | 2.1 | 2.3 |
| Ex 1989 | I | Rps1c | – | – | – | 64.2 | (5) | 6.2 | – | – | – | 9-26 | 10 | 0 | – | 2.8 |
| Ex 2323 | II | None | 51.7 | (4) | 0.1 | – | – | – | 9-16 | 11 | 2 | – | – | – | 1.9 | – |
| Ex 2324 | II | None | 54.7 | (4) | 3.2 | – | – | – | 9-17 | 12 | 3 | – | – | – | 1.9 | – |
| **Asgrow** | | | | | | | | | | | | | | | | |
| A0949 | 0 | Rps1c | – | – | – | 41.8 | (10) | -5.0 * | – | – | – | 9-22 | -2 | -10 | – | 1.8 |
| A1525 | I | Rps1a | 43.4 | (3) | -2.2 * | 43.7 | (14) | -1.4 | 9-27 | 1 | -8 | 9-26 | 1 | -8 | 1.1 | 1.3 |
| A1937 | I | Rps1a | 43.3 | (20) | 0.1 | 46.9 | (24) | 2.1 | 9-18 | 2 | -5 | 9-28 | 3 | -5 | 2.1 | 2.0 |
| A2187 | II | Rps1a | 44.1 | (11) | -0.8 | 42.9 | (5) | -0.1 | 9-21 | 5 | -3 | 9-30 | 4 | -4 | 1.7 | 1.4 |
| A2234 | II | Rps1k | 56.2 | (4) | 4.7 | – | – | – | 9-12 | 7 | -2 | – | – | – | 1.4 | – |
| A2943 | II | Rps1a | 49.5 | (15) | 5.7 * | 47.5 | (4) | 2.2 | 10-2 | 15 | 7 | 10-11 | 15 | 6 | 1.9 | 2.4 |
| **Callahan** | | | | | | | | | | | | | | | | |
| 1250 Brand | II | None | 45.7 | (17) | 3.0 | 50.2 | (15) | 4.5 * | 9-29 | 13 | 5 | 10-9 | 14 | 5 | 2.2 | 2.2 |
| 6180 Brand | I | None | 45.5 | (3) | -0.1 | 48.6 | (13) | 2.3 | 9-27 | 2 | -7 | 9-27 | 3 | -6 | 1.6 | 1.3 |
| 6262 Brand | II | Rps1a | 42.4 | (8) | -0.2 | 49.3 | (11) | 3.4 * | 9-29 | 9 | 2 | 10-6 | 12 | 3 | 1.9 | 2.1 |
| 7260X Brand | II | None | 52.3 | (7) | 5.6 | 52.4 | (8) | 5.0 * | 9-25 | 12 | 5 | 10-5 | 11 | 3 | 1.8 | 2.4 |
| 7299X Brand | II | None | 60.7 | (4) | 9.2 | 63.6 | (4) | 5.5 * | 9-24 | 19 | 10 | 10-1 | 15 | 6 | 3.4 | 2.9 |
| 8200X Brand | II | None | – | – | – | 61.8 | (4) | 3.7 | – | – | – | 9-20 | 4 | -5 | – | 1.4 |
| 8220X Brand | II | Rps1a | – | – | – | 59.7 | (4) | 1.6 | – | – | – | 9-23 | 8 | -1 | – | 2.9 |
| 8244X Brd Blend | II | None | 56.8 | (4) | 5.3 | 67.5 | (4) | 9.4 * | 9-19 | 14 | 5 | 9-27 | 12 | 3 | 2.5 | 2.6 |
| 8252X Brand | II | None | 62.9 | (4) | 11.4 | 68.0 | (4) | 9.9 * | 9-21 | 16 | 7 | 9-28 | 13 | 4 | 2.4 | 2.5 |
| 8266X Brd Blend | II | Rps1a, None | 58.1 | (4) | 6.6 | 64.0 | (4) | 5.9 | 9-19 | 14 | 5 | 9-27 | 12 | 3 | 2.3 | 2.6 |
| **Dairyland** | | | | | | | | | | | | | | | | |
| DSR-128 | I | Rps1c | 45.8 | (3) | 0.3 | 45.1 | (13) | -1.2 L | 9-26 | 0 | -9 | 9-24 | 0 | -9 | 1.0 | 1.3 |
| DSR-135 | I | Rps1a | 45.1 | (3) | -0.5 | 42.6 | (15) | -1.6 | 9-27 | 2 | -7 | 9-25 | 0 | -8 | 1.8 | 1.8 |
| DSR-155 | I | Rps1c | 44.0 | (4) | -7.5 | 52.0 | (5) | -6.1 * | 9-6 | 1 | -8 | 9-17 | 1 | -8 | 1.5 | 1.2 |
| DSR-171 | I | None | 44.9 | (22) | 1.2 | 45.2 | (26) | 0.2 | 9-22 | 6 | -1 | 10-1 | 6 | -2 | 2.2 | 2.3 |
| DSR-204 | II | Rps1c, None | 47.7 | (4) | -3.8 | 52.7 | (4) | -5.5 | 9-11 | 6 | -3 | 9-21 | 6 | -3 | 1.8 | 2.3 |
| DSR-252 | II | None | 56.6 | (4) | 5.0 | 61.9 | (4) | 3.8 | 9-17 | 12 | 3 | 9-25 | 10 | 1 | 1.9 | 2.0 |
| DSR-270 | II | None | 61.4 | (4) | 9.8 | – | – | – | 9-22 | 17 | 8 | – | – | – | 1.6 | – |
| DSR-287 | II | None | 50.0 | (11) | 5.1 * | 49.4 | (3) | 3.8 | 10-1 | 15 | 7 | 10-10 | 15 | 6 | 2.3 | 2.8 |
| DSR-297 | III | Rps1c | 47.3 | (11) | 2.4 | 45.2 | (3) | -0.3 | 10-3 | 17 | 9 | 10-12 | 17 | 8 | 2.4 | 2.6 |
| DSR-304 | III | None | 63.0 | (4) | 11.5 * | – | – | – | 9-29 | 24 | 15 | – | – | – | 3.0 | – |
| DSR-317 | III | None | 47.7 | (11) | 2.8 | 38.9 | (3) | -6.6 | 10-4 | 18 | 10 | 10-12 | 17 | 8 | 2.9 | 2.7 |
| DSR-335 | III | None | 58.7 | (4) | 7.1 | – | – | – | 9-30 | 25 | 16 | – | – | – | 3.7 | – |
| DST-2104 | II | None | 57.7 | (4) | 6.2 | 57.6 | (4) | -0.5 | 9-17 | 12 | 3 | 9-26 | 10 | 1 | 2.2 | 2.5 |
| DST-2207 | II | Rps1c | 58.0 | (4) | 6.4 | 63.2 | (4) | 5.1 * | 9-17 | 12 | 3 | 9-25 | 10 | 1 | 2.0 | 2.5 |
| DST-2308 | II | None | 57.3 | (4) | 5.7 | – | – | – | 9-20 | 15 | 6 | – | – | – | 1.3 | – |
| DST-2311 | II | None | 65.3 | (4) | 13.8 * | – | – | – | 9-23 | 18 | 9 | – | – | – | 3.5 | – |

(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.

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| Brand / Entry | MG | Phyt. Res. Type | Yield (bu/A) with deviation from mean: Southern Yield | (n) | Dev. | Central Yield | (n) | Dev. | Maturity relative to checks: Southern Date | H78 | C79 | Central Date | H78 | C79 | Lodging Score: South. | Central |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DeKalb-Pfizer** | | | | | | | | | | | | | | | | |
| CX187 | I | None | – | – | – | 57.0 | (5) | -1.1 | – | – | – | 9-20 | 4 | -6 | – | 1.2 |
| CX265 | II | Rps1c | 42.9 | (6) | 0.2 | 47.6 | (9) | 0.2 | 10-3 | 9 | 2 | 10-5 | 12 | 3 | 2.2 | 2.3 |
| CX283 | II | None | 46.8 | (15) | 3.0 | 49.0 | (4) | 3.6 * | 9-29 | 12 | 5 | 10-9 | 13 | 4 | 2.6 | 2.7 |
| CX326 | III | Rps1c | 52.7 | (7) | 5.9 | – | – | – | 9-30 | 18 | 10 | – | – | – | 1.9 | – |
| **Diehl Fields** | | | | | | | | | | | | | | | | |
| DF-101 Brand | I | | 48.1 | (7) | 1.3 | 50.8 | (9) | 2.2 | 9-16 | 4 | -4 | 9-26 | 4 | -5 | 1.6 | 1.5 |
| **Funk** | | | | | | | | | | | | | | | | |
| G3197 | I | None | 50.5 | (5) | 2.0 | 46.8 | (10) | 0.1 | 9-20 | 7 | -1 | 9-28 | 4 | -4 | 1.4 | 1.5 |
| **Garst** | | | | | | | | | | | | | | | | |
| 8011 | II | None | 47.4 | (4) | -4.2 | 55.2 | (5) | -2.9 | 9-7 | 2 | -7 | 9-15 | -1 | -10 | 3.1 | 2.9 |
| 8101 | I | Rps1c, None | 44.7 | (4) | -6.8 | 51.0 | (5) | -7.1 * | 9-10 | 5 | -4 | 9-20 | 4 | -6 | 2.1 | 2.2 |
| 8201 | II | Rps1a | 53.0 | (4) | 1.5 | 55.3 | (4) | -2.8 | 9-12 | 7 | -2 | 9-20 | 4 | -5 | 2.2 | 1.9 |
| **Golden Harvest** | | | | | | | | | | | | | | | | |
| H-1170 Brand | I | None | 52.0 | (4) | 0.5 | 56.0 | (5) | -2.1 | 9-10 | 5 | -5 | 9-20 | 4 | -6 | 2.2 | 1.7 |
| H-1233 Brand | II | None | 49.8 | (9) | 4.3 | 49.7 | (11) | 3.8 * | 9-28 | 10 | 2 | 10-4 | 10 | 1 | 2.4 | 2.2 |
| H-1265 Brand | II | Rps1b | 48.5 | (5) | 0.1 | 46.4 | (8) | -1.0 | 9-27 | 14 | 6 | 10-5 | 12 | 3 | 2.3 | 2.3 |
| H-1285 Brand | II | None | 50.2 | (9) | 4.7 | 50.6 | (11) | 4.7 * | 10-3 | 15 | 7 | 10-8 | 14 | 6 | 2.6 | 2.3 |
| **Glenn-Garno** | | | | | | | | | | | | | | | | |
| 1800 | I | None | 49.7 | (4) | -1.8 | 56.9 | (5) | -1.2 | 9-10 | 5 | -4 | 9-20 | 4 | -5 | 1.7 | 1.6 |
| 2800 | II | None | 58.1 | (4) | 6.6 | – | – | – | 9-23 | 18 | 9 | – | – | – | 2.7 | – |
| 2900 | II | Rps1a | 60.0 | (4) | 8.4 | – | – | – | 9-21 | 16 | 7 | – | – | – | 2.1 | – |
| **Great Lakes Hybrids** | | | | | | | | | | | | | | | | |
| GL1900 Brand | I | Rps1a | 45.8 | (3) | 0.2 | 45.7 | (14) | 0.6 H | 10-1 | 5 | -4 | 10-3 | 8 | -1 | 1.7 | 1.8 |
| GL1999 Brand | I | Rps1a | – | – | – | 49.8 | (9) | 1.2 | – | – | – | 10-2 | 9 | 0 | – | 2.4 |
| GL2206 Brand | II | Rps1a | 51.3 | (5) | 2.8 | 47.7 | (8) | 0.3 | 9-26 | 12 | 4 | 10-4 | 11 | 3 | 2.1 | 2.2 |
| GL2537 Brand | II | None | 48.3 | (7) | 1.5 | 39.1 | (5) | -1.0 | 9-25 | 13 | 5 | 10-7 | 11 | 3 | 2.0 | 2.0 |
| GL2634 Brand | II | None | 48.5 | (20) | 4.9 * | 48.6 | (17) | 3.4 *H | 9-28 | 12 | 5 | 10-6 | 10 | 3 | 2.3 | 2.2 |
| **Gries** | | | | | | | | | | | | | | | | |
| GSF-150 | II | | 55.0 | (4) | 3.4 | 56.8 | (4) | -1.3 | 9-20 | 15 | 6 | 9-27 | 11 | 2 | 2.7 | 2.6 |
| GSF-265 | II | | 51.1 | (4) | -0.4 | 54.0 | (4) | -4.1 | 9-20 | 15 | 6 | 9-28 | 12 | 3 | 2.2 | 2.2 |
| GSF-280 | II | | 48.8 | (4) | -2.8 | 53.3 | (4) | -4.8 | 9-15 | 10 | 1 | 9-23 | 8 | -1 | 1.7 | 1.8 |
| **Jacques** | | | | | | | | | | | | | | | | |
| J-201 | II | Rps1a | 44.0 | (4) | 0.3 | 49.2 | (8) | 1.7 | 9-22 | 3 | -3 | 9-27 | 4 | -5 | 1.5 | 2.0 |
| J-231 | II | Rps1a | 46.8 | (15) | 3.0 * | 48.0 | (4) | 2.6 | 9-26 | 9 | 1 | 10-5 | 10 | 1 | 2.0 | 2.4 |
| **Kaiser / Estech** | | | | | | | | | | | | | | | | |
| 156 | I | None | 50.4 | (4) | -1.1 | 61.7 | (5) | 3.6 | 9-9 | 4 | -5 | 9-20 | 4 | -5 | 1.7 | 1.4 |
| 212 | II | Rps1a | 50.6 | (4) | -1.0 | 53.1 | (4) | -5.0 | 9-16 | 11 | 2 | 9-23 | 8 | -1 | 1.9 | 2.1 |
| 266 | II | None | 55.3 | (4) | 3.8 | – | – | – | 9-19 | 14 | 5 | – | – | – | 2.2 | – |
| 310 | II | None | 61.7 | (4) | 10.1 | – | – | – | 9-28 | 23 | 14 | – | – | – | 3.2 | – |
| **King Grain** | | | | | | | | | | | | | | | | |
| KG81 | II | Rps1c | – | – | – | 48.0 | (8) | 0.6 | – | – | – | 9-28 | 5 | -4 | – | 1.8 |
| KG91 | II | None | – | – | – | 57.5 | (4) | -0.6 | – | – | – | 9-24 | 9 | 0 | – | 3.1 |
| PS90 | II | Rps1a | 45.4 | (4) | 0.0 | 45.7 | (15) | 0.9 L | 10-3 | 7 | -2 | 10-3 | 8 | 1 | 2.1 | 2.3 |
| KG4602 | II | None, Rps1c | – | – | – | 49.8 | (4) | -8.3 | – | – | – | 9-25 | 10 | 1 | – | 1.9 |
| KG4615 | II | None | – | – | – | 58.6 | (4) | 0.5 | – | – | – | 10-5 | 19 | 10 | – | 3.1 |
| **Lakeside States** | | | | | | | | | | | | | | | | |
| 21 Brand | II | None | 52.0 | (7) | 5.2 | 52.7 | (8) | 5.3 | 9-28 | 16 | 8 | 10-7 | 14 | 5 | 2.3 | 2.3 |
| 116 | I | Rps1a | 52.8 | (5) | 4.4 | 47.1 | (10) | 0.4 | 9-24 | 11 | 3 | 10-2 | 8 | 0 | 1.6 | 1.6 |
| 125-A | II | Rps1a | 49.3 | (7) | 2.6 | 59.8 | (5) | 6.1 | 9-24 | 12 | 4 | 10-3 | 11 | 3 | 2.0 | 2.1 |

(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 2. (Continued) Performance Summary for Varieties Entered in the Michigan Trials in 1987. 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 | (n) | Dev. | Central Yield | (n) | Dev. | Maturity relative to checks: Southern Date | H78 | C79 | Central Date | H78 | C79 | Lodging Score: South. | Central |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Maumee Valley** | | | | | | | | | | | | | | | | |
| Caliber | II | Rps1a | 42.0 | (12) | 0.1 L | 49.6 | (7) | -1.7 L | 9-25 | 5 | -2 | 9-28 | 5 | -3 | 2.5 | 2.5 |
| Commander | III | None | 59.7 | (4) | 8.1 * | – | – | – | 10-2 | 27 | 18 | – | – | – | 3.3 | – |
| Eagle | II | None | – | – | – | 58.5 | (4) | 0.4 | – | – | – | 9-22 | 7 | -2 | – | 2.3 |
| Enterprise | II | None | 39.8 | (8) | -2.9 | 48.3 | (6) | -4.2 | 9-30 | 10 | 3 | 10-4 | 12 | 3 | 2.1 | 2.1 |
| Kodiak | III | None | 47.7 | (11) | 2.8 | 47.2 | (3) | 1.7 H | 10-2 | 16 | 8 | 10-11 | 15 | 6 | 3.2 | 3.4 |
| MV-2E1 | II | Rps1a | 46.3 | (15) | 2.5 | 46.7 | (4) | 1.4 | 9-30 | 13 | 6 | 10-10 | 15 | 5 | 2.3 | 2.1 |
| Sabre | II | None | 62.0 | (4) | 10.5 | 67.0 | (4) | 8.9 * | 9-19 | 14 | 5 | 9-28 | 13 | 4 | 1.8 | 2.3 |
| Warrior | II | Rps1a | 48.0 | (11) | 3.1 | 55.2 | (6) | 2.7 | 9-29 | 13 | 5 | 10-6 | 14 | 5 | 2.4 | 2.9 |
| Washington V | III | Rps1a | 45.9 | (15) | 2.1 | 43.4 | (4) | -2.0 H | 10-1 | 14 | 6 | 10-4 | 9 | -1 | 3.2 | 3.2 |
| Exp B1 | II | None | – | – | – | 58.6 | (4) | 0.5 | – | – | – | 9-18 | 2 | -7 | – | 1.3 |
| **Northrup King** | | | | | | | | | | | | | | | | |
| S15-50 | II | Rps1c | 46.4 | (3) | 0.9 | 44.3 | (14) | -0.8 | 9-27 | 1 | -8 | 9-27 | 2 | -6 | 2.1 | 1.8 |
| S23-03 | I | None | 43.7 | (15) | -0.1 | 44.9 | (12) | -0.9 L | 9-23 | 6 | -1 | 10-1 | 7 | -2 | 2.2 | 2.1 |
| S23-12 | II | None | 52.9 | (7) | 6.1 * | 50.6 | (8) | 3.2 | 9-21 | 8 | 1 | 9-30 | 6 | -2 | 1.3 | 1.2 |
| S2596 | II | Rps1a | 47.8 | (20) | 2.4 * | 46.9 | (9) | 1.7 | 9-26 | 8 | 1 | 10-7 | 10 | 2 | 1.8 | 1.7 |
| S27-10 | II | Rps1c | 45.7 | (11) | 0.8 | 42.9 | (5) | -0.2 H | 9-27 | 11 | 3 | 10-7 | 11 | 2 | 2.2 | 1.8 |
| S29-20 | II | Rps1a | 58.0 | (4) | 6.5 | – | – | – | 9-24 | 19 | 10 | – | – | – | 2.3 | – |
| **Pioneer** | | | | | | | | | | | | | | | | |
| 9181 | I | Rps1c | – | – | – | 52.9 | (5) | -5.2 | – | – | – | 9-19 | 3 | -6 | – | 1.3 |
| 9202 | II | None | – | – | – | 57.1 | (4) | -1.0 | – | – | – | 9-19 | 3 | -6 | – | 1.4 |
| 9251 | II | Rps1a | 52.3 | (5) | 3.9 | 49.8 | (8) | 2.3 | 9-25 | 12 | 4 | 10-3 | 10 | 2 | 1.5 | 1.4 |
| 9271 | II | None | 47.6 | (15) | 3.8 * | 51.4 | (10) | 3.2 * | 9-27 | 10 | 2 | 10-4 | 9 | 2 | 1.6 | 1.9 |
| **Pride** | | | | | | | | | | | | | | | | |
| B152 | I | Rps1c, None | 45.9 | (3) | 1.4 | 45.1 | (14) | 0.0 L | 9-26 | -2 | -6 | 9-26 | 1 | -6 | 1.7 | 1.5 |
| B236 | II | Rps1a | 56.4 | (4) | 4.9 | – | – | – | 9-21 | 16 | 7 | – | – | – | 2.0 | – |
| B242 | II | None | 49.3 | (11) | 4.8 | 48.6 | (3) | 3.8 * | 9-28 | 13 | 5 | 10-9 | 12 | 5 | 1.9 | 2.0 |
| **ProSeeds (ProSoy)** | | | | | | | | | | | | | | | | |
| PS138 | I | None | 49.5 | (4) | -2.1 | 60.4 | (5) | 2.4 | 9-9 | 4 | -5 | 9-20 | 4 | -6 | 1.7 | 1.7 |
| PS202 | II | Rps1a | 49.7 | (4) | -1.9 | – | – | – | 9-15 | 10 | 1 | – | – | – | 2.1 | 0.0 |
| PS210 | II | Rps1a | 44.3 | (16) | -0.3 | 48.9 | (15) | 1.0 | 9-22 | 7 | 0 | 10-1 | 8 | 0 | 1.8 | 2.0 |
| PS246A | II | | 54.5 | (4) | 2.9 | 63.0 | (4) | 4.9 H | 9-20 | 15 | 6 | 9-28 | 13 | 4 | 2.5 | 3.0 |
| PS259 | II | None | 60.1 | (4) | 8.5 | – | – | – | 9-25 | 20 | 11 | – | – | – | 3.1 | – |
| PS330 | III | None | 60.5 | (4) | 9.0 | – | – | – | 9-27 | 22 | 13 | – | – | – | 3.3 | – |
| PS332 | III | | 48.4 | (12) | 3.6 *H | – | – | – | 9-30 | 17 | 10 | – | – | – | 3.0 | – |
| **Rupp** | | | | | | | | | | | | | | | | |
| RS2300 | II | Rps1a | 43.8 | (19) | 0.4 | 45.7 | (21) | 0.7 | 9-23 | 4 | -2 | 10-2 | 6 | -1 | 1.6 | 1.7 |
| RS2460P | II | None | 46.2 | (12) | 4.2 * | 47.2 | (15) | 2.4 H | 10-1 | 11 | 4 | 10-7 | 12 | 5 | 2.2 | 2.3 |
| RS2500 | II | None | 53.2 | (7) | 6.5 * | – | – | – | 9-27 | 15 | 7 | – | – | – | 1.9 | – |
| RS2544 | III | None | 49.9 | (11) | 5.0 | 46.4 | (3) | 0.8 | 10-4 | 18 | 10 | 10-15 | 19 | 10 | 2.6 | 3.0 |
| Exp 29726 | II | None | 57.5 | (4) | 6.0 | 61.7 | (4) | 3.6 * | 9-16 | 11 | 2 | 9-24 | 9 | 0 | 1.6 | 2.4 |
| **Scott** | | | | | | | | | | | | | | | | |
| 2456 | II | Rps6 | 48.1 | (11) | 3.2 | 53.9 | (3) | 8.4 * | 9-27 | 11 | 3 | 10-9 | 13 | 4 | 2.9 | 3.0 |
| 3665 | III | None | 63.9 | (4) | 12.4 * | – | – | – | 9-28 | 23 | 14 | – | – | – | 3.8 | – |
| **Stine** | | | | | | | | | | | | | | | | |
| 2710E Brand | II | Rps1a | 52.2 | (5) | 3.7 | 49.0 | (8) | 1.6 | 9-25 | 11 | 3 | 10-4 | 11 | 3 | 2.4 | 2.1 |
| 2750 Brand | II | None | – | – | – | 61.5 | (4) | 3.4 | – | – | – | 9-27 | 12 | 3 | – | 2.3 |
| 2770 Brand | II | None | 59.2 | (4) | 7.7 | – | – | – | 9-20 | 15 | 6 | – | – | – | 2.3 | – |
| 3500 Brand | III | None | 51.8 | (8) | 5.2 | – | – | – | 10-3 | 19 | 11 | – | – | – | 3.0 | – |

(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 2. (Continued) Performance Summary for Varieties Entered in the Michigan Trials in 1987. 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 | (n) | Dev. | Central Yield | (n) | Dev. | Maturity relative to checks: Southern Date | H78 | C79 | Central Date | H78 | C79 | Lodging Score: South. | Central |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Terra** | | | | | | | | | | | | | | | | |
| Decathlon Brand | II | None | 55.9 | (4) | 4.4 | 60.2 | (4) | 2.1 | 9-17 | 12 | 3 | 9-25 | 10 | 1 | 2.6 | 2.7 |
| Hurdle Brand | II | Rps1a | 46.9 | (5) | -1.6 | 44.1 | (8) | -3.3 L | 9-24 | 10 | 2 | 10-2 | 9 | 1 | 1.7 | 1.5 |
| Olympian Brand | II | None | 48.3 | (7) | 1.5 | 49.7 | (5) | -4.0 | 9-25 | 12 | 5 | 10-4 | 12 | 4 | 2.1 | 2.0 |
| Runner Brand | I | Rps1a | 45.7 | (5) | -2.8 | 42.7 | (10) | -4.0 | 9-20 | 6 | -2 | 9-30 | 6 | -2 | 2.4 | 2.0 |
| Sprint Brand | II | None | 50.6 | (7) | 3.8 | 56.8 | (5) | 3.1 | 9-29 | 16 | 9 | 10-6 | 15 | 6 | 2.7 | 2.7 |
| 275E | II | None | 58.5 | (4) | 7.0 | 62.7 | (4) | 4.6 H | 9-25 | 20 | 11 | 10-1 | 16 | 7 | 2.6 | 3.2 |
| **Voris** | | | | | | | | | | | | | | | | |
| V207 | II | Rps1a | 45.0 | (19) | -0.2 | 46.2 | (23) | 1.2 | 9-21 | 4 | -3 | 10-2 | 5 | -2 | 2.2 | 2.2 |
| V311 | III | None | 45.7 | (15) | 1.9 | 48.1 | (12) | 2.3 | 10-1 | 14 | 6 | 10-9 | 15 | 6 | 2.9 | 2.7 |
| Exp 2624 | II | Rps1a | -- | -- | -- | 62.5 | (4) | 4.4 | -- | -- | -- | 9-26 | 11 | 2 | -- | 2.5 |
| Exp 2801 | II | None | 54.7 | (4) | 3.2 | -- | -- | -- | 9-19 | 14 | 5 | -- | -- | -- | 2.7 | -- |

* 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. Southern Michigan.**

| Brand | Entry | Yield (bu/A): Entire Southern Region 1987 | Avg. | (n) | Southeast (Lenawee Co.) 1987 | Avg. | (n) | Southwest (St. Joseph Co.) 1987 | Avg. | (n) | Far Southwest (Berrien Co.) 1987 | Avg. | (n) | South Central (Ingham Co.) 1987 | Avg. | (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Public | Amcor | 53.3 | 44.0 | (21) | 50.8 | 50.8 | (8) | 46.6 | 34.0 | (5) | 62.0 | 42.8 | (4) | 54.1 | 44.2 | (4) | 9 | 47 | 4.0 |
| Public | Beeson 80 | 27.2 | 36.0 | (21) | 10.6 | 40.7 | (8) | 40.7 | 29.9 | (5) | 39.7 | 38.6 | (4) | 17.8 | 31.9 | (4) | 8 | 37 | 2.4 |
| Public | BSR 101 | 54.5 | 48.6 | (15) | 53.6 | 51.4 | (7) | 46.9 | 44.0 | (3) | 66.2 | 48.6 | (2) | 51.4 | 46.5 | (3) | -4 | 41 | 2.0 |
| Public | BSR 201 | 53.8 | 48.9 | (18) | 49.0 | 51.0 | (10) | 49.2 | 42.9 | (3) | 60.8 | 46.4 | (2) | 56.3 | 49.4 | (3) | 6 | 39 | 3.1 |
| Public | Century | 54.0 | 46.0 | (22) | 52.9 | 52.2 | (9) | 46.8 | 37.2 | (5) | 61.7 | 44.2 | (4) | 54.7 | 44.7 | (4) | 3 | 43 | 2.0 |
| Public | Century 84 | 57.3 | 46.7 | (13) | 54.7 | 49.8 | (5) | 51.9 | 41.1 | (3) | 65.6 | 48.8 | (2) | 56.9 | 46.0 | (3) | 4 | 40 | 1.6 |
| Public | Corsoy | 50.7 | 42.7 | (30) | 48.1 | 47.4 | (12) | 39.8 | 34.1 | (7) | 67.5 | 43.4 | (5) | 47.4 | 42.6 | (6) | 1 | 44 | 3.4 |
| Public | Corsoy 79 † | 48.4 | 43.5 | (28) | 45.0 | 51.5 | (11) | 40.0 | 31.7 | (7) | 59.7 | 41.6 | (5) | 48.9 | 44.6 | (5) | 9-16 | 44 | 3.2 |
| Public | Elgin | 60.2 | 47.8 | (19) | 53.8 | 51.3 | (8) | 54.1 | 42.9 | (4) | 69.1 | 45.0 | (3) | 63.6 * | 47.6 | (4) | 2 | 36 | 2.6 |
| Public | Hack | 55.4 | 48.2 | (14) | 51.1 | 50.9 | (6) | 47.9 | 44.7 | (3) | 65.0 | 47.5 | (2) | 57.8 | 46.9 | (3) | 4 | 39 | 1.9 |
| Public | Hardin | 51.4 | 44.3 | (21) | 48.0 | 51.1 | (8) | 39.6 | 35.9 | (5) | 69.1 | 41.4 | (4) | 48.7 | 44.2 | (4) | -3 | 44 | 3.4 |
| Public | Hobbit | 60.3 | 44.3 | (19) | 56.3 | 50.6 | (6) | 51.3 | 33.9 | (6) | 73.3 * | 46.4 | (3) | 60.4 * | 48.7 | (4) | 9 | 28 | 1.2 |
| Public | Hodgson 78 | 46.3 | 41.1 | (30) | 45.2 | 47.9 | (11) | 37.9 | 32.5 | (8) | 57.7 | 38.9 | (6) | 44.4 | 42.4 | (5) | -10 | 39 | 2.1 |
| Public | Hoyt | 56.6 | 51.2 | (11) | 60.1 * | 54.6 | (6) | 58.2 * | 48.9 | (2) | 64.4 | -- | -- | 43.6 | 36.6 | (2) | 5 | 26 | 1.8 |
| Public | Keller | 53.0 | 44.0 | (12) | 44.4 | 45.1 | (4) | 44.1 | 36.3 | (3) | 65.0 | 48.8 | (2) | 58.6 | 47.1 | (3) | 4 | 38 | 2.5 |
| Public | Miami | 47.5 | 41.4 | (13) | 42.2 | 44.6 | (5) | 38.9 | 32.6 | (3) | 63.9 | 47.1 | (2) | 44.9 | 40.9 | (3) | -1 | 41 | 2.5 |
| Public | Nebsoy | 52.4 | 43.7 | (22) | 51.4 | 47.8 | (9) | 43.0 | 34.0 | (5) | 59.5 | 41.1 | (4) | 55.7 | 49.2 | (4) | 2 | 38 | 2.1 |
| Public | Pella | 66.8 * | 46.5 | (17) | 64.0 * | 52.8 | (5) | 57.4 | 35.8 | (5) | 75.4 * | 47.3 | (3) | 70.4 * | 51.3 | (4) | 10 | 41 | 2.5 |
| Public | Preston | 58.2 | 51.4 | (10) | 54.0 | 52.0 | (5) | 56.4 | 46.1 | (2) | 62.6 | 42.2 | (4) | 59.6 | 49.6 | (2) | 7 | 38 | 2.2 |
| Public | Sherman | 65.1 * | -- | -- | 59.6 * | -- | -- | 66.3 * | -- | -- | 71.9 * | -- | -- | 62.8 * | -- | -- | 13 | 38 | 3.5 |
| Public | Sibley | 48.5 | 49.0 | (12) | 46.3 | 51.4 | (7) | 36.8 | 35.1 | (2) | 63.9 | -- | -- | 46.8 | 47.0 | (2) | -8 | 39 | 2.8 |
| Public | Vickery | 49.0 | 43.8 | (22) | 45.8 | 50.9 | (9) | 41.0 | 33.2 | (5) | 61.5 | 42.2 | (4) | 47.6 | 42.4 | (4) | -2 | 44 | 3.8 |
| Public | Weber 84 | 46.6 | 41.7 | (17) | 41.8 | 46.2 | (6) | 35.8 | 34.3 | (4) | 67.0 | 40.2 | (3) | 41.8 | 43.5 | (4) | -4 | 41 | 2.7 |
| Public | Wells II | 49.0 | 42.1 | (24) | 45.5 | 46.5 | (9) | 43.0 | 34.3 | (6) | 58.1 | 42.9 | (5) | 49.6 | 43.0 | (4) | -1 | 42 | 2.1 |
| Public | Zane | 61.0 * | 48.6 | (11) | 58.2 * | 52.5 | (3) | 58.3 * | 45.6 | (3) | 68.6 | 53.4 | (2) | 58.9 | 44.4 | (3) | 11 | 42 | 3.0 |
| Agripro | AP2190 | 51.9 | 44.9 | (11) | 49.0 | 51.1 | (3) | 46.1 | 39.3 | (3) | 57.8 | 41.3 | (2) | 54.8 | 46.7 | (3) | -2 | 38 | 2.1 |
| Agripro | AP3132 | 60.2 | 51.9 | (7) | 55.4 | 53.8 | (2) | 55.9 | 45.9 | (2) | 69.9 | -- | -- | 59.6 | 46.9 | (2) | 6 | 38 | 2.2 |
| | **Test mean** | 55.58 | | | 53.04 | | | 49.84 | | | 65.11 | | | 53.60 | | | 3.40 | 39.70 | 2.45 |
| | **LSD.05** | 5.99 | | | 8.24 | | | 8.80 | | | 9.28 | | | 10.43 | | | 2.70 | 2.70 | 0.64 |

† Check variety used to calculate deviation from standard maturity.
* Not significantly different from the highest yield within that column.

## TABLE 3. (Continued) Southern Michigan.

| Brand | Entry | Yield (bu/A) Entire Southern Region 1987 | Avg. | (n) | Southeast (Lenawee Co.) 1987 | Avg. | (n) | Southwest (St. Joseph Co.) 1987 | Avg. | (n) | Far Southwest (Berrien Co.) 1987 | Avg. | (n) | South Central (Ingham Co.) 1987 | Avg. | (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agripro | Ex 2323 | 51.7 | – | – | 49.1 | – | – | 45.1 | – | – | 60.0 | – | – | 52.5 | – | – | -1 | 37 | 1.9 |
| Agripro | Ex 2324 | 54.7 | – | – | 51.1 | – | – | 46.1 | – | – | 64.2 | – | – | 57.4 | – | – | 1 | 37 | 1.9 |
| Agripro | HP2530 | 55.4 | 46.5 | (18) | 51.0 | 50.7 | (6) | 52.4 | 40.1 | (4) | 62.0 | 43.3 | (4) | 56.2 | 49.8 | (4) | 2 | 37 | 2.0 |
| Asgrow | A1937 | 46.2 | 43.3 | (20) | 47.8 | 50.5 | (7) | 33.5 | 34.8 | (5) | 60.4 | 41.3 | (4) | 43.0 | 43.3 | (4) | -7 | 42 | 2.8 |
| Asgrow | A2187 | 49.7 | 44.1 | (11) | 48.9 | 47.6 | (3) | 37.5 | 38.0 | (3) | 62.5 | 48.1 | (2) | 49.8 | 44.0 | (3) | -4 | 40 | 1.9 |
| Asgrow | A2234 | 56.2 | – | – | 56.3 | – | – | 48.5 | – | – | 61.4 | – | – | 58.7 | – | – | -4 | 35 | 1.3 |
| Asgrow | A2943 | 65.2 * | 49.5 | (15) | 65.7 * | 55.4 | (4) | 60.3 * | 45.3 | (4) | 72.6 * | 49.9 | (3) | 62.4 * | 47.5 | (4) | 11 | 40 | 2.6 |
| Callahan | 1250 Brand | 60.7 | 45.7 | (17) | 52.7 | 50.1 | (5) | 59.0 * | 38.6 | (5) | 69.1 | 45.3 | (3) | 62.1 * | 49.2 | (4) | 9 | 41 | 3.0 |
| Callahan | 7260X Brand | 59.0 | 52.3 | (7) | 57.2 | 56.1 | (2) | 51.5 | 43.4 | (2) | 70.1 | – | – | 57.2 | 48.6 | (2) | 5 | 35 | 2.3 |
| Callahan | 7299X Brand | 60.7 | – | – | 55.8 | – | – | 60.7 * | – | – | 68.3 | – | – | 58.0 | – | – | 8 | 43 | 3.4 |
| Callahan | 8244X Brd Blend | 56.8 | – | – | 52.4 | – | – | 55.1 | – | – | 61.4 | – | – | 58.3 | – | – | 3 | 41 | 2.5 |
| Callahan | 8252X Brand | 62.9 * | – | – | 55.1 | – | – | 56.3 | – | – | 72.1 * | – | – | 68.1 * | – | – | 5 | 38 | 2.4 |
| Callahan | 8266X Brd Blend | 58.1 | – | – | 57.6 * | – | – | 56.4 | – | – | 64.2 | – | – | 54.3 | – | – | 3 | 40 | 2.2 |
| Dairyland | DSR-155 | 44.0 | – | – | 41.4 | – | – | 38.2 | – | – | 53.7 | – | – | 42.8 | – | – | -10 | 37 | 1.5 |
| Dairyland | DSR-171 | 54.4 | 44.9 | (22) | 54.6 | 50.3 | (9) | 49.0 | 39.2 | (5) | 65.7 | 42.3 | (4) | 48.2 | 42.5 | (4) | 3 | 41 | 2.7 |
| Dairyland | DSR-204 | 47.7 | – | – | 47.7 | – | – | 37.6 | – | – | 55.8 | – | – | 49.8 | – | – | -5 | 35 | 1.7 |
| Dairyland | DSR-252 | 56.5 | – | – | 52.9 | – | – | 51.2 | – | – | 69.1 | – | – | 53.0 | – | – | 1 | 38 | 1.9 |
| Dairyland | DSR-270 | 61.4 * | – | – | 62.7 * | – | – | 54.5 | – | – | 68.4 | – | – | 59.9 | – | – | 5 | 33 | 1.6 |
| Dairyland | DSR-287 | 63.5 * | 50.0 | (11) | 62.5 * | 53.3 | (3) | 58.0 * | 45.6 | (3) | 71.4 | 52.8 | (2) | 62.3 * | 49.4 | (3) | 9 | 43 | 2.8 |
| Dairyland | DSR-297 | 59.4 | 47.3 | (11) | 62.9 * | 54.2 | (3) | 50.7 | 39.6 | (3) | 69.8 | 51.8 | (2) | 54.1 | 45.2 | (3) | 12 | 43 | 3.1 |
| Dairyland | DSR-304 | 63.0 * | – | – | 59.5 * | – | – | 57.7 * | – | – | 66.7 | – | – | 68.1 * | – | – | 13 | 40 | 3.1 |
| Dairyland | DSR-317 | 60.3 | 47.7 | (11) | 60.5 * | 55.1 | (3) | 56.5 | 45.4 | (3) | 68.0 | 53.1 | (2) | 56.3 | 38.9 | (3) | 15 | 45 | 3.3 |
| Dairyland | DSR-335 | 58.7 | – | – | 54.6 | – | – | 59.7 * | – | – | 61.3 | – | – | 59.0 | – | – | 14 | 42 | 3.7 |
| Dairyland | DST-2104 | 57.7 | – | – | 52.6 | – | – | 49.8 | – | – | 71.1 | – | – | 57.4 | – | – | 1 | 41 | 2.2 |
| Dairyland | DST-2207 | 58.0 | – | – | 55.6 | – | – | 50.9 | – | – | 63.7 | – | – | 61.7 * | – | – | 1 | 41 | 1.9 |
| Dairyland | DST-2308 | 57.3 | – | – | 58.2 * | – | – | 53.6 | – | – | 64.7 | – | – | 52.6 | – | – | 4 | 34 | 1.3 |
| Dairyland | DST-2311 | 65.3 * | – | – | 61.5 * | – | – | 57.3 | – | – | 74.1 * | – | – | 68.4 * | – | – | 7 | 37 | 3.5 |
| DeKalb-Pfizer | CX283 | 59.2 | 46.8 | (15) | 55.3 | 52.3 | (4) | 51.8 | 39.5 | (4) | 70.0 | 46.5 | (3) | 59.7 | 48.9 | (4) | 8 | 43 | 3.2 |
| DeKalb-Pfizer | CX326 | 63.5 * | 52.7 | (7) | 62.4 * | 57.0 | (2) | 57.8 * | 46.2 | (2) | 76.4 * | – | – | 57.2 | 42.9 | (2) | 11 | 37 | 2.1 |
| Diehl Fields | DF-101 Brand | 49.9 | 48.1 | (7) | 49.5 | 53.3 | (2) | 42.3 | 39.7 | (2) | 56.4 | – | – | 51.5 | 46.9 | (2) | -6 | 39 | 1.5 |
| Funk | G3197 | 53.5 | 50.5 | (5) | 55.7 | – | – | 42.4 | – | – | 60.5 | – | – | 55.3 | 46.8 | (2) | -3 | 35 | 1.4 |
| Garst | 8011 | 47.4 | – | – | 44.4 | – | – | 37.5 | – | – | 58.0 | – | – | 49.7 | – | – | -9 | 37 | 3.1 |
| Garst | 8101 | 44.8 | – | – | 42.9 | – | – | 37.7 | – | – | 58.5 | – | – | 39.8 | – | – | -5 | 41 | 2.1 |
| Garst | 8201 | 53.0 | – | – | 51.7 | – | – | 45.2 | – | – | 61.4 | – | – | 53.7 | – | – | -4 | 41 | 2.2 |
| Glenn-Garno | 1800 | 49.7 | – | – | 49.4 | – | – | 45.6 | – | – | 54.1 | – | – | 49.8 | – | – | -6 | 39 | 1.7 |
| Glenn-Garno | 2800 | 58.1 | – | – | 57.9 * | – | – | 49.5 | – | – | 66.2 | – | – | 58.8 | – | – | 7 | 41 | 2.7 |
| Glenn-Garno | 2900 | 60.0 | – | – | 53.7 | – | – | 55.4 | – | – | 65.7 | – | – | 65.0 * | – | – | 5 | 40 | 2.1 |
| Golden Harvest | H-1170 Brand | 52.0 | – | – | 56.3 | – | – | 41.2 | – | – | 58.3 | – | – | 52.3 | – | – | -6 | 41 | 2.2 |
| Golden Harvest | H-1233 Brand | 58.7 | 49.8 | (9) | 49.3 | 50.0 | (2) | 49.6 | 45.0 | (2) | 73.2 * | 53.3 | (2) | 62.8 * | 50.4 | (3) | 4 | 38 | 2.7 |
| Golden Harvest | H-1265 Brand | 51.4 | 48.5 | (5) | 52.4 | – | – | 41.1 | – | – | 65.4 | – | – | 46.8 | 41.8 | (2) | 5 | 38 | 2.5 |
| Golden Harvest | H-1285 Brand | 61.0 * | 50.2 | (9) | 53.4 | 52.2 | (2) | 57.9 * | 47.4 | (2) | 72.1 * | 55.4 | (2) | 60.7 * | 47.1 | (3) | 10 | 41 | 3.1 |
| GLH | GL2206 Brand | 53.7 | 51.3 | (5) | 49.9 | – | – | 50.6 | – | – | 62.9 | – | – | 51.4 | 46.4 | (2) | 2 | 45 | 2.2 |
| GLH | GL2537 Brand | 52.6 | 48.3 | (7) | 51.3 | 51.9 | (2) | 50.2 | 42.8 | (2) | 60.6 | – | – | 48.5 | 43.8 | (2) | 4 | 38 | 2.3 |
| GLH | GL2634 Brand | 60.3 | 48.5 | (20) | 55.0 | 54.0 | (7) | 56.3 | 39.2 | (5) | 74.1 * | 50.5 | (4) | 55.9 | 48.4 | (4) | 10 | 39 | 3.1 |
| Gries | GSF-150 | 55.0 | – | – | 55.0 | – | – | 51.9 | – | – | 60.7 | – | – | 52.2 | – | – | 4 | 38 | 2.7 |
| Gries | GSF-265 | 51.1 | – | – | 53.8 | – | – | 47.4 | – | – | 58.4 | – | – | 44.9 | – | – | 4 | 36 | 2.2 |
| Gries | GSF-280 | 48.7 | – | – | 45.8 | – | – | 46.1 | – | – | 62.7 | – | – | 40.4 | – | – | -1 | 37 | 1.7 |
| Jacques | J-231 | 55.0 | 46.8 | (15) | 52.0 | 53.5 | (4) | 49.7 | 40.5 | (4) | 67.5 | 44.8 | (3) | 51.0 | 47.9 | (4) | 1 | 40 | 2.1 |
| Kaiser / Estech | 156 | 50.4 | – | – | 52.9 | – | – | 40.9 | – | – | 58.0 | – | – | 49.9 | – | – | -7 | 41 | 1.7 |
| Kaiser / Estech | 212 | 50.6 | – | – | 53.4 | – | – | 48.4 | – | – | 53.6 | – | – | 46.8 | – | – | 0 | 40 | 1.9 |
| Kaiser / Estech | 266 | 55.3 | – | – | 47.0 | – | – | 51.9 | – | – | 72.1 * | – | – | 50.3 | – | – | 3 | 38 | 2.2 |
| Kaiser / Estech | 310 | 61.7 * | – | – | 56.4 | – | – | 61.2 * | – | – | 69.3 | – | – | 59.8 | – | – | 12 | 41 | 3.2 |
| Lakeside States | 21 Brand | 59.2 | 52.0 | (7) | 53.5 | 53.8 | (2) | 52.2 | 45.5 | (2) | 79.3 * | – | – | 51.6 | 43.0 | (2) | 8 | 39 | 2.7 |
| Lakeside States | 116 | 56.7 | 52.8 | (5) | 48.5 | – | – | 51.0 | – | – | 68.1 | – | – | 59.3 | 48.3 | (2) | 2 | 41 | 1.8 |
| Lakeside States | 125-A | 55.2 | 49.3 | (7) | 54.1 | 52.2 | (2) | 46.7 | 38.6 | (2) | 67.6 | – | – | 52.4 | 47.9 | (2) | 4 | 43 | 2.1 |
| Maumee Valley | Commander | 59.6 | – | – | 63.5 * | – | – | 56.0 | – | – | 58.6 | – | – | 60.5 * | – | – | 16 | 42 | 3.3 |
| Maumee Valley | Kodiak | 59.0 | 47.7 | (11) | 59.0 * | 52.6 | (3) | 55.2 | 41.6 | (3) | 64.5 | 50.1 | (2) | 57.3 | 47.2 | (3) | 11 | 41 | 3.6 |
| Maumee Valley | MV-2E1 | 58.4 | 46.3 | (15) | 54.7 | 51.2 | (4) | 50.0 | 40.7 | (4) | 70.4 | 46.8 | (3) | 58.6 | 46.7 | (4) | 9 | 41 | 3.0 |
| | **Test mean** | 55.58 | | | 53.04 | | | 49.84 | | | 65.11 | | | 53.60 | | | 3.40 | 39.70 | 2.45 |
| | **LSD.05** | 5.99 | | | 8.24 | | | 8.80 | | | 9.28 | | | 10.43 | | | 2.70 | 2.70 | 0.64 |

(cont'd)

* Not significantly different from the highest yield within that column.

## TABLE 3. (Continued) Southern Michigan.

| Brand | Entry | Yield (bu/A) Entire Southern Region 1987 | Avg. | (n) | Southeast (Lenawee Co.) 1987 | Avg. | (n) | Southwest (St. Joseph Co.) 1987 | Avg. | (n) | Far Southwest (Berrien Co.) 1987 | Avg. | (n) | South Central (Ingham Co.) 1987 | Avg. | (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maumee Valley | Sabre | 62.0 * | – | – | 57.5 * | – | – | 55.4 | – | – | 70.1 | – | – | 65.0 * | – | – | 3 | 39 | 1.8 |
| Maumee Valley | Warrior | 58.9 | 48.0 | (11) | 54.3 | 52.1 | (3) | 56.7 | 42.0 | (3) | 68.0 | 52.3 | (2) | 56.7 | 46.9 | (3) | 6 | 40 | 2.8 |
| Maumee Valley | Washington V | 60.5 | 45.9 | (15) | 52.5 | 52.0 | (4) | 60.3 * | 43.3 | (4) | 66.1 | 44.6 | (3) | 63.0 * | 43.3 | (4) | 12 | 46 | 3.8 |
| Northrup King | S23-03 | 49.6 | 43.7 | (15) | 53.0 | 50.3 | (4) | 38.9 | 40.3 | (4) | 57.7 | 41.2 | (3) | 48.8 | 42.4 | (4) | -3 | 39 | 2.3 |
| Northrup King | S23-12 | 57.2 | 52.9 | (7) | 57.0 | 55.5 | (2) | 56.6 | 48.2 | (2) | 64.3 | – | – | 51.1 | 49.3 | (2) | -1 | 43 | 1.3 |
| Northrup King | S2596 | 56.4 | 47.8 | (20) | 49.9 | 52.8 | (8) | 49.0 | 41.4 | (4) | 64.3 | 45.0 | (4) | 62.4 * | 46.8 | (4) | 1 | 36 | 1.7 |
| Northrup King | S27-10 | 57.7 | 45.7 | (11) | 54.3 | 48.9 | (3) | 49.3 | 40.6 | (3) | 67.4 | 47.0 | (2) | 59.8 | 46.8 | (3) | 5 | 37 | 2.5 |
| Northrup King | S29-20 | 58.0 | – | – | 54.3 | – | – | 57.1 | – | – | 73.9 * | – | – | 46.8 | – | – | 7 | 42 | 2.3 |
| Pioneer | 9251 | 56.6 | 52.3 | (5) | 54.5 | – | – | 53.0 | – | – | 67.1 | – | – | 51.8 | 43.5 | (2) | 2 | 39 | 1.6 |
| Pioneer | 9271 | 59.5 | 47.6 | (15) | 57.4 | 54.0 | (4) | 53.3 | 43.1 | (4) | 72.2 * | 43.5 | (3) | 55.2 | 48.7 | (4) | 5 | 36 | 1.9 |
| Pride | B236 | 56.4 | – | – | 58.2 * | – | – | 51.4 | – | – | 62.7 | – | – | 53.3 | – | – | 5 | 41 | 2.0 |
| Pride | B242 | 59.9 | 49.3 | (11) | 53.5 | 53.8 | (3) | 48.0 | 40.6 | (3) | 80.9 * | 56.9 | (2) | 56.9 | 48.6 | (3) | 5 | 44 | 2.2 |
| Prosoy | PS138 | 49.5 | – | – | 53.4 | – | – | 38.4 | – | – | 53.1 | – | – | 52.9 | – | – | -7 | 38 | 1.7 |
| Prosoy | PS202 | 49.7 | – | – | 47.6 | – | – | 47.4 | – | – | 62.1 | – | – | 41.7 | – | – | -1 | 37 | 2.1 |
| Prosoy | PS210 | 51.9 | 44.3 | (16) | 52.1 | 51.9 | (6) | 44.2 | 35.8 | (4) | 64.7 | – | – | 46.8 | 47.1 | (3) | -1 | 42 | 1.6 |
| Prosoy | PS246A | 54.5 | – | – | 52.6 | – | – | 41.0 | – | – | 67.6 | – | – | 56.7 | – | – | 4 | 39 | 2.5 |
| Prosoy | PS259 | 60.1 | – | – | 58.5 * | – | – | 55.1 | – | – | 67.1 | – | – | 59.6 | – | – | 9 | 42 | 3.1 |
| Prosoy | PS330 | 60.5 | – | – | 62.0 * | – | – | 57.1 | – | – | 67.7 | – | – | 55.3 | – | – | 11 | 42 | 3.3 |
| Prosoy | PS332 | 59.0 | 48.4 | (12) | 58.5 * | 57.3 | (4) | 57.3 | 35.7 | (3) | 61.0 | 46.8 | (3) | 59.4 | 52.0 | (2) | 12 | 46 | 4.0 |
| Rupp | Exp 29726 | 57.5 | – | – | 53.9 | – | – | 48.7 | – | – | 68.8 | – | – | 58.6 | – | – | 0 | 37 | 1.5 |
| Rupp | RS2500 | 60.7 | 53.2 | (7) | 59.7 * | 56.6 | (2) | 54.7 | 45.4 | (2) | 70.0 | – | – | 58.3 | 49.3 | (2) | 7 | 36 | 2.1 |
| Rupp | RS2544 | 63.5 * | 49.9 | (11) | 59.3 * | 51.7 | (3) | 57.3 | 47.8 | (3) | 70.7 | 55.9 | (2) | 66.6 * | 46.4 | (3) | 14 | 45 | 3.0 |
| Scott | 2456 | 56.8 | 48.1 | (11) | 48.1 | 48.8 | (3) | 54.8 | 42.4 | (3) | 60.3 | 46.8 | (2) | 64.1 * | 53.9 | (3) | 5 | 41 | 3.2 |
| Scott | 3665 | 63.9 * | – | – | 62.3 * | – | – | 56.6 | – | – | 71.9 * | – | – | 64.8 * | – | – | 12 | 42 | 3.8 |
| Stine | 2710E Brand | 55.1 | 52.2 | (5) | 49.4 | – | – | 55.1 | – | – | 63.5 | – | – | 52.2 | 46.4 | (2) | 2 | 41 | 2.5 |
| Stine | 2770 Brand | 59.2 | – | – | 58.7 * | – | – | 58.8 * | – | – | 67.3 | – | – | 52.1 | – | – | 4 | 40 | 2.3 |
| Stine | 3500 Brand | 62.3 * | 51.8 | (8) | 58.3 * | 51.8 | (2) | 60.6 * | 51.5 | (2) | 74.1 * | 54.4 | (2) | 56.0 | 49.4 | (2) | 13 | 42 | 3.3 |
| Terra | 275E | 58.5 | – | – | 55.2 | – | – | 58.8 * | – | – | 64.3 | – | – | 55.7 | – | – | 9 | 40 | 2.6 |
| Terra | Decathlon Brand | 55.9 | – | – | 55.4 | – | – | 50.3 | – | – | 67.2 | – | – | 50.8 | – | – | 1 | 38 | 2.5 |
| Terra | Hurdle Brand | 49.2 | 46.9 | (5) | 43.6 | – | – | 48.9 | – | – | 60.0 | – | – | 44.2 | 40.9 | (2) | 0 | 39 | 1.8 |
| Terra | Olympian Brand | 54.8 | 48.3 | (7) | 55.8 | 54.5 | (2) | 49.6 | 42.7 | (2) | 69.8 | – | – | 43.8 | 36.9 | (2) | 3 | 39 | 2.3 |
| Terra | Runner Brand | 47.5 | 45.7 | (5) | 45.0 | – | – | 40.1 | – | – | 57.4 | – | – | 47.6 | 42.9 | (2) | -4 | 39 | 2.5 |
| Terra | Sprint Brand | 57.2 | 50.6 | (7) | 55.6 | 53.9 | (2) | 47.0 | 42.3 | (2) | 63.1 | – | – | 63.3 * | 49.2 | (2) | 9 | 42 | 3.4 |
| Voris | Exp 2801 | 54.7 | – | – | 49.9 | – | – | 41.0 | – | – | 70.7 | – | – | 57.2 | – | – | 3 | 41 | 2.7 |
| Voris | V207 | 47.6 | 45.0 | (19) | 44.3 | 48.8 | (8) | 44.0 | 35.6 | (4) | 55.2 | 43.4 | (3) | 47.1 | 48.1 | (4) | -4 | 42 | 2.7 |
| Voris | V311 | 55.2 | 45.7 | (15) | 57.3 | 52.8 | (4) | 53.4 | 40.3 | (4) | 62.1 | 45.0 | (3) | 47.9 | 44.5 | (4) | 9 | 42 | 3.1 |
| | Test mean | 55.58 | | | 53.04 | | | 49.84 | | | 65.11 | | | 53.60 | | | 3.40 | 39.70 | 2.45 |
| | CV | 7.8% | | | 9.3% | | | 10.6% | | | 8.5% | | | 11.1% | | | 10.1% | 4.9% | 18.9% |
| | LSD.05 | 5.99 | | | 8.24 | | | 8.80 | | | 9.28 | | | 10.43 | | | 2.70 | 2.70 | 0.64 |

* Not significantly different from the highest yield within that column.

## TABLE 4. Central Michigan.

| Brand | Entry | Yield (bu/A) Entire Central Region 1987 | Avg. | (n) | South Central (Ingham Co.) 1987 | Avg. | (n) | Central (Saginaw Co.) 1987 | Avg. | (n) | East Central (Sanilac Co.) 1987 | Avg. | (n) | East Central (Macomb Co.) 1987 | Avg. | (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Public | Amcor | 59.8 | 45.7 | (21) | 54.1 | 44.2 | (4) | 50.7 | 43.4 | (9) | 64.5 * | 49.0 | (8) | 70.1 | 49.0 | (8) | 7 | 48 | 3.7 |
| Public | Beeson 80 | 27.2 | 37.1 | (23) | 17.8 | 31.9 | (4) | 16.9 | 40.6 | (10) | 38.0 | 35.6 | (9) | 36.1 | 35.6 | (9) | 5 | 37 | 2.6 |
| Public | BSR 101 | 59.2 | 46.6 | (18) | 51.4 | 46.5 | (3) | 55.3 * | 44.7 | (7) | 63.6 * | 50.1 | (5) | 66.5 | 50.1 | (5) | 1 | 41 | 3.1 |
| Public | BSR 201 | 61.5 * | 47.0 | (16) | 56.3 | 49.4 | (3) | 60.0 * | 44.4 | (8) | 56.4 | 49.9 | (5) | 73.4 | 49.9 | (5) | 4 | 41 | 3.4 |
| Public | Century | 57.3 | 44.8 | (24) | 54.7 | 44.7 | (4) | 51.0 | 44.0 | (11) | 57.0 * | 45.3 | (9) | 66.4 | 45.3 | (9) | 4 | 43 | 2.8 |
| Public | Century 84 | 63.9 * | 48.3 | (13) | 56.9 | 46.0 | (3) | 60.6 * | 45.8 | (5) | 64.7 * | 52.3 | (5) | 73.4 | 52.3 | (5) | 5 | 42 | 2.4 |
| Public | Corsoy | 51.7 | 40.9 | (33) | 47.4 | 42.6 | (6) | 43.8 | 40.4 | (15) | 56.1 | 40.8 | (10) | 59.5 | 40.8 | (10) | -1 | 45 | 3.0 |
| | | | | | | | | | | | | | | | | | | | (cont'd) |
| | Test mean | 57.74 | | | 53.60 | | | 53.19 | | | 56.22 | | | 69.36 | | | 23.8 | 40.2 | 2.34 |
| | LSD.05 | 7.07 | | | 10.43 | | | 11.64 | | | 13.95 | | | 11.04 | | | 3.0 | 3.7 | 0.68 |

* Not significantly different from the highest yield within that column.

## TABLE 4. (Continued) Central Michigan.

| Brand | Entry | Yield (bu/A) Entire Central Region 1987 | Avg. | (n) | South Central (Ingham Co.) 1987 | Avg. | (n) | Central (Saginaw Co.) 1987 | Avg. | (n) | East Central (Sanilac Co.) 1987 | Avg. | (n) | East Central (Macomb Co.) 1987 | Avg. | (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Public | Corsoy 79 † | 53.7 | 45.2 | (35) | 48.9 | 44.6 | (5) | 47.4 | 44.1 | (15) | 51.4 | 47.3 | (11) | 66.9 | 47.3 | (11) | 9-25 | 44 | 3.0 |
| Public | Dassel | 49.2 | 41.3 | (11) | -- | -- | -- | 48.6 | 45.1 | (3) | 47.3 | 37.9 | (4) | 51.6 | 37.9 | (4) | -16 | 30 | 1.5 |
| Public | Dawson | 50.1 | 42.2 | (23) | -- | -- | -- | 42.1 | 39.7 | (8) | 50.5 | 45.1 | (7) | 57.6 | 45.1 | (7) | -19 | 37 | 2.1 |
| Public | Elgin | 65.6 * | 48.2 | (20) | 63.6 * | 47.6 | (4) | 64.7 * | 48.6 | (9) | 60.3 * | 50.5 | (6) | 73.8 | 50.5 | (6) | 2 | 38 | 3.1 |
| Public | Hack | 59.3 | 46.8 | (14) | 57.8 | 46.9 | (3) | 49.1 | 43.3 | (6) | 57.2 * | 50.8 | (5) | 73.2 | 50.8 | (5) | 2 | 39 | 2.0 |
| Public | Hardin | 56.1 | 47.3 | (27) | 48.7 | 44.2 | (4) | 50.4 | 48.9 | (10) | 58.7 * | 48.8 | (9) | 66.5 | 48.8 | (9) | -1 | 44 | 3.1 |
| Public | Hodgson 78 | 52.1 | 42.8 | (38) | 44.4 | 42.4 | (5) | 48.4 | 41.7 | (16) | 57.9 * | 44.5 | (12) | 57.7 | 44.5 | (12) | -9 | 40 | 1.8 |
| Public | Hoyt | 53.6 | 44.3 | (12) | 43.6 | 36.6 | (2) | 53.7 | 43.8 | (6) | 54.5 | 48.8 | (4) | 62.6 | 48.8 | (4) | 4 | 25 | 1.3 |
| Public | Keller | 59.5 | 46.5 | (12) | 58.6 | 47.1 | (3) | 53.2 | 43.3 | (4) | 55.9 | 48.7 | (5) | 70.3 | 48.7 | (5) | 3 | 40 | 3.1 |
| Public | Miami | 50.3 | 42.1 | (13) | 44.9 | 40.9 | (3) | 50.4 | 41.5 | (5) | 48.2 | 43.4 | (5) | 57.7 | 43.4 | (5) | -3 | 42 | 2.4 |
| Public | Nebsoy | 57.3 | 43.4 | (24) | 55.7 | 49.2 | (4) | 50.4 | 42.9 | (11) | 58.6 * | 41.4 | (9) | 64.7 | 41.4 | (9) | 2 | 40 | 1.9 |
| Public | Pella | 67.0 * | 49.0 | (17) | 70.4 * | 51.3 | (4) | 61.7 * | 43.0 | (6) | 66.8 * | 52.8 | (7) | 69.1 | 52.8 | (7) | 7 | 43 | 2.7 |
| Public | Preston | 63.2 * | 47.5 | (11) | 59.6 | 49.6 | (2) | 59.6 * | 44.4 | (5) | 59.0 * | 50.3 | (4) | 74.7 | 50.3 | (4) | 6 | 42 | 2.8 |
| Public | Sibley | 51.2 | 44.6 | (15) | 46.8 | 47.0 | (2) | 42.9 | 43.0 | (7) | 52.0 | 46.4 | (4) | 63.1 | 46.4 | (4) | -9 | 37 | 2.1 |
| Public | Vickery | 54.7 | 44.1 | (25) | 47.6 | 42.4 | (4) | 49.5 | 43.2 | (12) | 57.1 * | 46.0 | (9) | 64.4 | 46.0 | (9) | -1 | 46 | 3.6 |
| Public | Weber 84 | 51.6 | 42.4 | (20) | 41.8 | 43.5 | (4) | 45.1 | 40.6 | (7) | 48.4 | 44.1 | (6) | 70.9 | 44.1 | (6) | -3 | 41 | 2.3 |
| Public | Wells II | 51.1 | 41.8 | (26) | 49.6 | 43.0 | (4) | 49.1 | 43.2 | (12) | 49.3 | 39.7 | (10) | 56.3 | 39.7 | (10) | -2 | 45 | 2.1 |
| Public | Zane | 61.4 * | 47.5 | (11) | 58.9 | 44.4 | (3) | 51.9 | 44.3 | (3) | 65.2 * | 51.3 | (5) | 69.8 | 51.3 | (5) | 7 | 41 | 3.2 |
| Agripro | AP1776 | 56.1 | 56.3 | (5) | 52.5 | -- | -- | 57.4 * | -- | -- | 52.3 | 57.3 | (2) | 62.4 | 57.3 | (2) | -9 | 37 | 1.2 |
| Agripro | AP2021 | 58.9 | 48.7 | (8) | 50.2 | 43.5 | (2) | 52.8 | 42.5 | (2) | 59.5 * | 54.3 | (4) | 73.2 | 54.3 | (4) | -6 | 42 | 2.4 |
| Agripro | Ex 1989 | 61.5 * | 64.2 | (5) | 47.3 | -- | -- | 53.1 | -- | -- | 66.6 * | 72.7 | (2) | 78.9 * | 72.7 | (2) | 0 | 41 | 2.9 |
| Asgrow | A0949 | 49.5 | 41.8 | (10) | 49.6 | 42.7 | (2) | 39.9 | 36.8 | (2) | 45.2 | 43.7 | (4) | 63.3 | 43.7 | (4) | -14 | 39 | 2.3 |
| Asgrow | A1525 | 57.0 | 43.7 | (14) | 52.2 | 43.4 | (3) | 52.0 | 44.9 | (3) | 55.7 | 45.2 | (5) | 68.1 | 45.2 | (5) | -10 | 39 | 1.1 |
| Asgrow | A1937 | 55.5 | 46.8 | (24) | 43.0 | 43.3 | (4) | 51.5 | 46.3 | (8) | 60.6 * | 49.8 | (8) | 67.0 | 49.8 | (8) | -9 | 40 | 2.2 |
| Callahan | 1250 Brand | 67.1 * | 50.2 | (15) | 62.1 * | 49.2 | (4) | 55.2 * | 46.0 | (5) | 63.8 * | 54.5 | (6) | 87.3 * | 54.5 | (6) | 6 | 41 | 3.1 |
| Callahan | 6180 Brand | 59.1 | 48.6 | (13) | 51.5 | 45.5 | (3) | 60.3 * | 49.7 | (3) | 49.1 | 49.5 | (5) | 75.6 | 49.5 | (5) | -8 | 38 | 1.2 |
| Callahan | 6262 Brand | 61.6 * | 49.3 | (11) | 49.6 | 45.7 | (3) | 57.8 * | 45.6 | (3) | 60.6 * | 53.7 | (5) | 78.6 * | 53.7 | (5) | 3 | 40 | 2.7 |
| Callahan | 7260X Brand | 64.4 * | 52.4 | (8) | 57.2 | 48.6 | (2) | 66.6 * | 49.8 | (2) | 58.6 * | 55.6 | (4) | 75.3 | 55.6 | (4) | 3 | 37 | 3.0 |
| Callahan | 7299X Brand | 63.6 * | -- | -- | 58.0 | -- | -- | 56.0 * | -- | -- | 62.6 * | 70.2 | (2) | 77.9 * | 70.2 | (2) | 6 | 43 | 2.9 |
| Callahan | 8200X Brand | 61.8 * | -- | -- | 53.4 | -- | -- | 55.7 * | -- | -- | 61.2 * | 69.1 | (2) | 77.0 * | 69.1 | (2) | -5 | 40 | 1.4 |
| Callahan | 8220X Brand | 59.7 | -- | -- | 55.5 | -- | -- | 56.4 * | -- | -- | 54.3 | 63.4 | (2) | 72.6 | 63.4 | (2) | -1 | 39 | 2.8 |
| Callahan | 8244X Brd Blend | 67.5 * | -- | -- | 58.3 | -- | -- | 61.8 * | -- | -- | 70.8 * | 75.0 | (2) | 79.2 * | 75.0 | (2) | 3 | 43 | 2.6 |
| Callahan | 8252X Brand | 68.0 * | -- | -- | 68.1 * | -- | -- | 62.6 * | -- | -- | 66.6 * | 70.6 | (2) | 74.6 | 70.6 | (2) | 3 | 42 | 2.5 |
| Callahan | 8266X Brd Blend | 64.0 * | -- | -- | 54.3 | -- | -- | 61.4 * | -- | -- | 60.0 * | 70.2 | (2) | 80.4 * | 70.2 | (2) | 3 | 42 | 2.6 |
| Dairyland | DSR-128 | 53.6 | 45.1 | (13) | 52.0 | 45.8 | (3) | 48.1 | 40.5 | (3) | 51.9 | 46.5 | (5) | 62.4 | 46.5 | (5) | -10 | 37 | 1.6 |
| Dairyland | DSR-135 | 52.7 | 42.6 | (15) | 46.0 | 45.1 | (3) | 46.6 | 38.8 | (3) | 54.3 | 45.2 | (5) | 63.9 | 45.2 | (5) | -10 | 37 | 2.3 |
| Dairyland | DSR-155 | 50.7 | 52.0 | (5) | 42.8 | -- | -- | 44.5 | -- | -- | 48.7 | 57.7 | (2) | 66.7 | 57.7 | (2) | -10 | 37 | 1.2 |
| Dairyland | DSR-171 | 52.2 | 45.2 | (26) | 48.2 | 42.5 | (4) | 49.4 | 45.7 | (10) | 47.8 | 46.4 | (8) | 63.5 | 46.4 | (8) | 1 | 41 | 2.7 |
| Dairyland | DSR-204 | 52.6 | -- | -- | 49.8 | -- | -- | 50.8 | -- | -- | 38.0 | 55.0 | (2) | 72.0 | 55.0 | (2) | -4 | 35 | 2.3 |
| Dairyland | DSR-252 | 61.9 * | -- | -- | 53.0 | -- | -- | 55.8 * | -- | -- | 65.0 * | 69.4 | (2) | 73.9 | 69.4 | (2) | 1 | 37 | 2.0 |
| Dairyland | DST-2104 | 57.6 | -- | -- | 57.4 | -- | -- | 54.5 | -- | -- | 50.6 | 59.3 | (2) | 68.0 | 59.3 | (2) | 1 | 41 | 2.4 |
| Dairyland | DST-2207 | 63.2 * | -- | -- | 61.7 * | -- | -- | 54.7 | -- | -- | 62.1 * | 68.2 | (2) | 74.3 | 68.2 | (2) | 1 | 42 | 2.5 |
| DeKalb-Pfizer | CX187 | 55.5 | 57.0 | (5) | 47.6 | -- | -- | 48.8 | -- | -- | 50.5 | 62.8 | (2) | 75.0 | 62.8 | (2) | -7 | 38 | 1.3 |
| DeKalb-Pfizer | CX265 | 58.9 | 47.6 | (9) | 53.9 | 44.5 | (3) | 57.0 * | 46.6 | (2) | 59.9 * | 50.4 | (4) | 64.7 | 50.4 | (4) | 3 | 44 | 2.7 |
| Diehl Fields | DF-101 Brand | 57.4 | 50.8 | (9) | 51.5 | 46.9 | (2) | 62.5 * | 54.5 | (2) | 41.2 | 48.9 | (4) | 74.5 | 48.9 | (4) | -8 | 38 | 1.7 |
| Funk | G3197 | 58.9 | 46.8 | (10) | 55.3 | 46.8 | (2) | 59.1 * | 48.1 | (2) | 51.0 | 47.3 | (4) | 70.1 | 47.3 | (4) | -5 | 35 | 1.6 |
| Garst | 8011 | 53.7 | 55.2 | (5) | 49.7 | -- | -- | 46.7 | -- | -- | 54.4 | 59.1 | (2) | 63.9 | 59.1 | (2) | -12 | 39 | 3.0 |
| Garst | 8101 | 50.4 | 51.0 | (5) | 39.8 | -- | -- | 47.6 | -- | -- | 55.0 | 57.0 | (2) | 59.1 | 57.0 | (2) | -7 | 42 | 2.4 |
| Garst | 8201 | 55.3 | -- | -- | 53.7 | -- | -- | 51.0 | -- | -- | 59.2 * | 58.2 | (2) | 57.2 | 58.2 | (2) | -5 | 41 | 1.9 |
| Glenn-Garno | 1800 | 56.1 | 56.9 | (5) | 49.8 | -- | -- | 51.7 | -- | -- | 49.8 | 61.4 | (2) | 73.0 | 61.4 | (2) | -6 | 39 | 1.8 |
| Golden Harvest | H-1170 Brand | 55.8 | 56.0 | (5) | 52.3 | -- | -- | 52.3 | -- | -- | 48.0 | 59.3 | (2) | 70.7 | 59.3 | (2) | -6 | 39 | 1.8 |
| Golden Harvest | H-1233 Brand | 64.1 * | 49.7 | (11) | 62.8 * | 50.4 | (3) | 50.4 | 42.2 | (3) | 65.7 * | 53.8 | (5) | 77.7 * | 53.8 | (5) | 3 | 41 | 3.0 |
| Golden Harvest | H-1265 Brand | 55.4 | 46.4 | (8) | 46.8 | 41.8 | (2) | 64.6 * | 47.6 | (2) | 54.0 | 48.0 | (4) | 56.5 | 48.0 | (4) | 3 | 40 | 2.5 |
| Golden Harvest | H-1285 Brand | 64.9 * | 50.6 | (11) | 60.7 * | 47.1 | (3) | 52.8 | 44.0 | (3) | 67.7 * | 56.7 | (5) | 78.5 * | 56.7 | (5) | 7 | 43 | 2.9 |
| GLH | GL1900 Brand | 60.4 | 45.7 | (14) | 49.2 | 45.8 | (3) | 57.4 * | 43.8 | (3) | 57.6 * | 48.5 | (5) | 77.6 * | 48.5 | (5) | -2 | 37 | 2.2 |
| GLH | GL1999 Brand | 57.7 | 49.8 | (9) | 49.4 | 44.1 | (2) | 57.3 * | 45.4 | (2) | 62.4 * | 51.3 | (4) | 61.8 | 51.3 | (4) | 0 | 40 | 2.6 |
| GLH | GL2206 Brand | 55.1 | 47.7 | (8) | 51.4 | 46.4 | (2) | 49.1 | 39.7 | (2) | 60.4 * | 52.4 | (4) | 59.4 | 52.4 | (4) | 1 | 46 | 2.4 |
| GLH | GL2634 Brand | 61.9 * | 48.6 | (17) | 55.9 | 48.4 | (4) | 52.6 | 44.0 | (6) | 58.7 * | 52.7 | (7) | 80.2 * | 52.7 | (7) | 6 | 39 | 2.7 |
| Gries | GSF-150 | 56.8 | -- | -- | 52.2 | -- | -- | 57.1 * | -- | -- | 56.7 | 58.9 | (2) | 61.2 | 58.9 | (2) | 2 | 38 | 2.6 |
| Gries | GSF-265 | 54.0 | -- | -- | 44.9 | -- | -- | 54.9 | -- | -- | 58.8 * | 58.0 | (2) | 57.3 | 58.0 | (2) | 3 | 37 | 2.2 |
| Gries | GSF-280 | 53.3 | -- | -- | 40.4 | -- | -- | 49.5 | -- | -- | 57.8 * | 61.6 | (2) | 65.4 | 61.6 | (2) | -1 | 38 | 1.8 |
| | **Test mean** | 57.74 | | | 53.60 | | | 53.19 | | | 56.22 | | | 69.36 | | | 23.8 | 40.2 | 2.34 |
| | **LSD .05** | 7.07 | | | 10.43 | | | 11.64 | | | 13.95 | | | 11.04 | | | 3.0 | 3.7 | 0.68 |

(cont'd)

† Check variety used to calculate deviation from standard maturity.
* Not significantly different from the highest yield within that column.

## TABLE 4. (Continued) Central Michigan.

| Brand | Entry | Yield (bu/A) Entire Central Region 1987 Avg. (n) | South Central (Ingham Co.) 1987 Avg. (n) | Central (Saginaw Co.) 1987 Avg. (n) | East Central (Sanilac Co.) 1987 Avg. (n) | East Central (Macomb Co.) 1987 Avg. (n) | Maturity (days) | Height (in) | Lodging Score |
|---|---|---|---|---|---|---|---|---|---|
| Jacques | J-201 | 59.5 49.1 (8) | 51.1 44.3 (2) | 47.2 38.4 (2) | 64.6 * 56.9 (4) | 75.1 56.9 (4) | -7 | 41 | 2.3 |
| Kaiser / Estech | 156 | 61.7 * 61.7 (5) | 49.9 – – | 55.1 * – – | 64.8 * 70.8 (2) | 76.9 * 70.8 (2) | -7 | 41 | 1.6 |
| Kaiser / Estech | 212 | 53.1 – – | 46.8 – – | 54.9 – – | 45.4 55.4 (2) | 65.4 55.4 (2) | -2 | 40 | 2.0 |
| King Grain | KG81 | 55.9 48.0 (8) | 42.1 40.2 (2) | 55.9 * 46.4 (2) | 53.6 52.6 (4) | 71.8 52.6 (4) | -4 | 42 | 2.0 |
| King Grain | KG91 | 57.5 – – | 53.1 – – | 58.0 * – – | 53.3 59.4 (2) | 65.5 59.4 (2) | 0 | 41 | 3.1 |
| King Grain | KG4602 | 49.8 – – | 35.9 – – | 44.5 – – | 51.0 59.4 (2) | 67.9 59.4 (2) | 0 | 37 | 1.9 |
| King Grain | KG4615 | 58.6 – – | 58.8 – – | 42.8 – – | 63.7 * 66.4 (2) | 69.1 66.4 (2) | 10 | 45 | 3.1 |
| King Grain | PS90 | 54.8 45.7 (15) | 46.6 45.3 (4) | 46.3 43.0 (5) | 58.3 * 48.2 (6) | 68.0 48.2 (6) | -1 | 46 | 2.6 |
| Lakeside States | 21 Brand | 65.5 * 52.7 (8) | 51.6 43.0 (2) | 62.8 * 45.8 (2) | 65.3 * 61.0 (4) | 82.2 * 61.0 (4) | 6 | 42 | 3.0 |
| Lakeside States | 116 | 56.9 47.1 (10) | 59.3 48.3 (2) | 48.6 41.1 (2) | 52.1 51.7 (4) | 67.7 51.7 (4) | 0 | 40 | 1.5 |
| Lakeside States | 125-A | 63.9 * 59.8 (5) | 52.4 47.9 (2) | 54.4 – – | 65.7 * 74.3 (2) | 82.9 * 74.3 (2) | 3 | 43 | 2.2 |
| Maumee Valley | Caliber | 53.3 49.6 (7) | 48.3 45.6 (4) | 52.4 – – | 50.1 56.2 (2) | 62.4 56.2 (2) | -4 | 41 | 2.3 |
| Maumee Valley | Eagle | 58.4 – – | 45.5 – – | 61.5 * – – | 56.7 63.4 (2) | 70.1 63.4 (2) | -2 | 38 | 2.3 |
| Maumee Valley | Enterprise | 55.1 48.3 (6) | 44.0 37.9 (3) | 49.9 – – | 57.8 * 63.2 (2) | 68.6 63.2 (2) | 3 | 37 | 2.2 |
| Maumee Valley | Sabre | 67.0 * – – | 65.0 * – – | 61.6 * – – | 58.2 * 70.6 (2) | 83.0 * 70.6 (2) | 4 | 41 | 2.3 |
| Maumee Valley | Exp B1 | 58.6 – – | 45.8 – – | 55.2 * – – | 58.0 * 66.8 (2) | 75.5 66.8 (2) | -7 | 39 | 1.3 |
| Maumee Valley | Warrior | 61.9 * 55.2 (6) | 56.7 46.9 (3) | 60.1 * – – | 51.7 65.3 (2) | 78.9 * 65.3 (2) | 6 | 43 | 3.0 |
| Northrup King | S15-50 | 55.2 44.3 (14) | 52.8 46.4 (3) | 56.8 * 43.2 (3) | 43.5 44.9 (5) | 67.5 44.9 (5) | -8 | 42 | 2.0 |
| Northrup King | S23-03 | 53.0 44.9 (12) | 48.8 42.4 (4) | 50.0 42.5 (3) | 48.2 48.4 (5) | 64.9 48.4 (5) | -3 | 39 | 2.4 |
| Northrup King | S23-12 | 61.1 * 50.6 (8) | 51.1 49.3 (2) | 62.3 * 51.0 (2) | 60.4 * 51.1 (4) | 70.7 51.1 (4) | -4 | 45 | 1.1 |
| Pioneer | 9181 | 51.8 52.9 (5) | 45.7 – – | 45.1 – – | 61.5 * 58.3 (2) | 55.0 58.3 (2) | -7 | 34 | 1.4 |
| Pioneer | 9202 | 57.1 – – | 53.8 – – | 50.9 – – | 54.8 61.8 (2) | 68.8 61.8 (2) | -6 | 37 | 1.4 |
| Pioneer | 9251 | 60.3 49.7 (8) | 51.8 43.5 (2) | 62.3 * 48.0 (2) | 57.8 * 53.7 (4) | 69.3 53.7 (4) | 0 | 38 | 1.5 |
| Pioneer | 9271 | 62.3 * 51.4 (10) | 55.2 48.7 (4) | 61.1 * 52.0 (3) | 58.4 * 54.5 (3) | 74.7 54.5 (3) | 4 | 37 | 2.3 |
| Pride | B152 | 55.9 45.1 (14) | 50.5 45.9 (3) | 55.8 * 45.2 (4) | 57.6 * 45.2 (5) | 59.5 45.2 (5) | -8 | 36 | 1.1 |
| Prosoy | PS138 | 58.9 60.4 (5) | 52.9 – – | 55.1 * – – | 51.4 63.7 (2) | 76.0 63.7 (2) | -7 | 40 | 1.8 |
| Prosoy | PS210 | 55.9 48.9 (15) | 46.8 47.1 (3) | 62.0 * 49.3 (7) | 45.9 49.6 (5) | 68.9 49.6 (5) | -1 | 41 | 1.9 |
| Prosoy | PS246A | 63.0 * – – | 56.7 – – | 54.9 – – | 59.7 * 70.2 (2) | 80.7 * 70.2 (2) | 3 | 41 | 3.0 |
| Rupp | Exp 29726 | 61.7 * – – | 58.6 – – | 57.0 * – – | 57.7 * 65.5 (2) | 73.3 65.5 (2) | 0 | 37 | 2.3 |
| Rupp | RS2300 | 54.7 45.7 (21) | 51.9 46.1 (4) | 55.2 * 46.2 (9) | 47.9 45.0 (8) | 63.9 45.0 (8) | -1 | 43 | 1.9 |
| Rupp | RS2460P | 64.0 * 47.2 (15) | 62.6 * 49.2 (4) | 53.7 44.4 (5) | 59.5 * 48.2 (6) | 80.1 * 48.2 (6) | 7 | 44 | 3.0 |
| Stine | 2710E Brand | 57.2 49.0 (8) | 52.2 46.4 (2) | 53.6 44.5 (2) | 48.7 52.5 (4) | 74.2 52.5 (4) | 2 | 43 | 2.4 |
| Stine | 2750 Brand | 61.5 * – – | 58.8 – – | 56.5 * – – | 52.4 65.4 (2) | 78.4 * 65.4 (2) | 2 | 36 | 2.3 |
| Terra | 275E | 62.7 * – – | 55.7 – – | 55.9 * – – | 59.6 * 69.6 (2) | 79.6 * 69.6 (2) | 7 | 41 | 3.2 |
| Terra | Decathlon Brand | 60.2 – – | 50.8 – – | 51.0 – – | 67.2 * 69.5 (2) | 71.9 69.5 (2) | 0 | 40 | 2.7 |
| Terra | Hurdle Brand | 50.8 44.1 (8) | 44.2 40.9 (2) | 46.3 41.1 (2) | 47.6 47.2 (4) | 64.9 47.2 (4) | 0 | 38 | 1.6 |
| Terra | Olympian Brand | 54.6 49.5 (5) | 43.8 36.9 (2) | 45.8 – – | 60.8 * 64.3 (2) | 67.8 64.3 (2) | 3 | 40 | 2.2 |
| Terra | Runner Brand | 49.9 42.7 (10) | 47.6 42.9 (2) | 50.9 37.1 (2) | 40.6 44.5 (4) | 60.6 44.5 (4) | -5 | 41 | 2.3 |
| Terra | Sprint Brand | 62.2 * 56.8 (5) | 63.3 * 49.2 (2) | 51.7 – – | 66.5 * 67.0 (2) | 67.5 67.0 (2) | 7 | 43 | 3.1 |
| Voris | Exp 2624 | 62.5 * – – | 55.9 – – | 56.9 * – – | 57.6 * 68.6 (2) | 79.7 * 68.6 (2) | 1 | 42 | 2.5 |
| Voris | V207 | 53.1 46.2 (23) | 47.1 48.1 (4) | 50.0 45.6 (10) | 51.0 46.1 (9) | 64.3 46.1 (9) | -4 | 43 | 2.7 |
| Voris | V311 | 60.8 48.1 (12) | 47.9 44.5 (4) | 52.8 42.7 (3) | 62.0 * 54.3 (5) | 80.3 * 54.3 (5) | 6 | 41 | 2.9 |
| | Test mean | 57.74 | 53.60 | 53.19 | 56.22 | 69.36 | 23.8 | 40.2 | 2.34 |
| | CV | 8.8% | 11.1% | 13.1% | 14.7% | 10.0% | 9.0% | 6.6% | 21.1% |
| | $LSD_{.05}$ | 7.07 | 10.43 | 11.64 | 13.95 | 11.04 | 3.0 | 3.7 | 0.68 |

* Not significantly different from the highest yield within that column.

**TABLE 5. Saginaw Bay Area (Huron Co.).**

| Brand | Entry | Yield 1987 | Yield Avg. | (n) | Maturity Date | Maturity Dev. | Height Inches | Lodging Score |
|---|---|---|---|---|---|---|---|---|
| Public | BSR 101 | 64.3 | 45.5 | (3) | 10-1 | 12 | 39 | 1.7 |
| Public | Corsoy 79 | 65.5 | 44.3 | (4) | 10-1 | 12 | 38 | 2.0 |
| Public | Dassel | 51.9 | 41.7 | (4) | 9-20 | 1 | 29 | 1.0 |
| Public | Dawson | 50.6 | 42.0 | (6) | 9-15 | -4 | 34 | 1.4 |
| Public | Hardin | 58.9 | 43.1 | (4) | 10-1 | 12 | 39 | 1.7 |
| Public | Hodgson 78 † | 54.9 | 42.6 | (5) | 9-19 | 0 | 35 | 1.1 |
| Public | Ozzie | 45.6 | 37.0 | (5) | 9-12 | -7 | 25 | 1.0 |
| Public | Sibley | 56.6 | 44.2 | (2) | 9-23 | 4 | 37 | 1.8 |
| Public | Simpson | 55.4 | 42.5 | (5) | 9-15 | -4 | 33 | 1.7 |
| Public | Weber 84 | 60.6 | 41.8 | (3) | 9-28 | 9 | 40 | 2.4 |
| Agripro | AP1776 | 56.9 | -- | -- | 9-27 | 8 | 35 | 1.1 |
| Agripro | Ex 1989 | 75.3 * | -- | -- | 10-1 | 12 | 40 | 2.1 |
| Asgrow | A0949 | 55.5 | 42.0 | (2) | 9-17 | -2 | 36 | 1.4 |
| Asgrow | A1525 | 51.8 | 40.6 | (3) | 9-19 | 0 | 30 | 1.1 |
| Asgrow | A1937 | 52.3 | 45.7 | (4) | 9-24 | 5 | 38 | 1.3 |
| Callahan | 6180 Brand | 59.2 | 49.2 | (2) | 9-28 | 9 | 31 | 0.9 |
| Dairyland | DSR-128 | 52.8 | 47.3 | (2) | 9-24 | 5 | 31 | 0.9 |
| Dairyland | DSR-135 | 56.1 | 40.2 | (5) | 9-21 | 2 | 34 | 1.6 |
| Dairyland | DSR-155 | 57.1 | -- | -- | 9-29 | 10 | 37 | 1.0 |
| Dairyland | DSR-171 | 60.2 | 43.8 | (4) | 10-2 | 13 | 45 | 2.4 |
| DeKalb-Pfizer | CX187 | 62.9 | -- | -- | 9-29 | 10 | 35 | 1.0 |
| Diehl Fields | DF-101 Brand | 58.7 | -- | -- | 9-29 | 10 | 31 | 0.9 |
| Funk | G3197 | 56.4 | 44.4 | (2) | 9-30 | 11 | 31 | 0.9 |
| Garst | 8011 | 61.4 | -- | -- | 9-23 | 4 | 34 | 2.6 |
| Garst | 8101 | 53.6 | -- | -- | 9-28 | 9 | 40 | 1.3 |
| Glenn-Garno | 1800 | 60.3 | -- | -- | 9-27 | 8 | 33 | 1.1 |
| Golden Harvest | H-1170 Brand | 56.6 | -- | -- | 9-26 | 7 | 33 | 1.3 |
| GLH | GL1900 Brand | 59.2 | 42.7 | (3) | 10-1 | 12 | 37 | 1.3 |
| GLH | GL1999 Brand | 64.2 | -- | -- | 10-3 | 14 | 43 | 2.3 |
| Lakeside States | 116 | 51.8 | 42.8 | (2) | 10-2 | 13 | 39 | 1.3 |
| Kaiser / Estech | 156 | 61.6 | -- | -- | 9-29 | 10 | 34 | 0.9 |
| Northrup King | S15-50 | 58.3 | 42.3 | (3) | 9-26 | 7 | 43 | 1.3 |
| Pioneer | 9181 | 57.1 | -- | -- | 9-27 | 8 | 33 | 1.0 |
| Pride | B152 | 55.0 | 43.2 | (2) | 9-26 | 7 | 36 | 0.9 |
| Prosoy | PS138 | 66.8 * | -- | -- | 9-30 | 11 | 39 | 1.3 |
| Terra | Runner Brand | 60.7 | 44.6 | (2) | 9-29 | 10 | 43 | 1.9 |
| | **Test Mean** | 57.95 | | | 25.8 | 6.8 | 35.9 | 1.42 |
| | **CV** | 8.4% | | | 9.0% | | 7.1% | 28.4% |
| | **LSD .05** | 8.61 | | | 4.1 | | 4.6 | 0.70 |

* Not significantly different from the highest yield in the column.



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