



demonstrate their capabilities. The best way to compare a group of corn hybrids is to grow them in the same field with the same fertilizer, population, date of planting, etc., for all hybrids.

Seed for voluntary and Extension entries was submitted by the seed companies. Equal numbers of seeds were counted for each plot of all hybrids. Each hybrid was replicated several times in the field. Plots were planted with a standard two-row or four-row corn planter adapted for small plots.

From seed packaging through harvest and data processing, each hybrid was identified only by a code number to reduce chance for any personal bias by anyone working in the field or with the data. The code was deciphered after the data had been processed.

Stands and lodging were counted before harvest. Plots for grain yields were harvested with a one-row picker-sheller. Field data were processed with high speed electronic computers.

Silage yields were taken on all hybrids in the Huron, Grand Traverse, Alpena, and Alger county trials. (Tables 15, 18, 20, 21).

All hybrids in the Monroe, Ingham, and Saginaw County trials were compared at 2 plant populations (Tables 1, 9, and 12).

Two irrigated trials were conducted in 1967 in Cass and Saginaw (Prairie Farm) counties, Tables 6 and 11.

Planting of all trials was completed between May 2-26. Rains in April and June reduced drought conditions of the last two years in central Michigan. The east central section, "thumb", received excess moisture during June. Semi-dry conditions were prevalent during much of July and August. Total rainfall for the growing season at most of the 18 locations was normal or above in 1967. Rainfall distribution during the season was better than in 1966 and 1965, and yields were higher at most locations. Temperature averages were below normal from June to September.

Most hybrids matured ahead of killing frost at all locations except the Clinton County Muck Soil and Alpena County trials. Frosts occurred in the Upper Peninsula and northern Lower Peninsula September 11. Light to heavy frosts occurred on September 23 and 25 in northern and central Lower Peninsula areas. Heavy Killing frosts occurred during the week of October 23 in most areas.

Prolonged rainy periods in October and November were not favorable for harvest. Corn was very slow to dry in the field and moisture contents of grain were unusually high.

The Michigan Crop Reporting Service estimates the 1967 average yield at 65.0 bushels per acre on about 1,491,000 acres harvested for grain compared with 1966 averages of 67.0 bushels per acre on 1,470,000 acres. About 400,000 acres of corn are harvested for silage.

## HOW TO USE THIS BULLETIN

One, two, and three-year averages are presented for all hybrids tested during 1967, 1966, and 1965. One-year data are less reliable than two or three-year averages and should be interpreted with more caution. Confidence in corn performance data increases with more years and locations of testing. Two or more years' results are more desirable than one year of testing.

The tables tell you three things about the hybrids tested:

- (1) average moisture content at harvest,
- (2) average yield in bushels of shelled corn at 15.5 moisture or silage yields, and
- (3) average percentage of stalk lodging (plants broken below the ear at harvest).

Hybrids are recorded in the tables in order of their approximate maturity (early to late) based on moisture content at harvest. Moisture contents were determined from shelled grain samples at all locations harvested for grain and from ear corn samples in the silage trials.

Stalk breakage is caused by corn borers and/or stalk rot diseases.

Two or more plots of the same hybrid in the same field may produce somewhat different results due to uncontrolled variability in the soil and other environmental factors. Replication and randomization of the entries are two methods used to reduce these errors. Since these methods do not eliminate all of these effects, differences necessary for statistical significance have been calculated for yield and moisture content.

When comparing any two hybrids, the difference between them should not be considered significant unless it exceeds the value listed at "least significant differences" at the bottom of the tables.

Agronomic information for each trial is given at the bottom of the table. Fertilizer amounts are total pounds per acre of nitrogen,  $P_2O_5$  and  $K_2O$  applied during the season.

## HOW TO CHOOSE A CORN HYBRID

Adaptation. — The map on the cover shows location of the trial and divides Michigan into four maturity zones. A map can show maturity zones only in a general way. Local variations in weather, soil type and fertility, time of planting, and other conditions all affect adaptation. Corn hybrids are often adapted to more than one zone.

Find the zone in which you plan to grow the corn, and refer to the table which gives results for the trial conducted nearest your farm. Also, refer to the other tables listed in your zone. A hybrid which has done well at two or more locations is more likely to be a good hybrid for your farm, too.

Rate of plantings. — A population of 12,000 plants per acre is best for corn soils producing 50 bushels or

less per acre. Populations of 16 to 18,000 are best for soils producing more than 50 bushels per acre. Higher populations (20,000 or more) should be considered only for soils consistently producing more than 100 bushels per acre. Rainfall deficiencies with high plant population usually result in no increase and frequently a decrease in yield compared to 16 to 18,000. Lodging and harvest losses are often greater at high populations.

**Maturity.** — Hybrids are listed in the tables in order of maturity — early to late. One percent more moisture at harvest means a delay in maturity of about two days. Corn is mature when moisture is down to 35 percent in the grain or 40 percent in the ear. Ear corn is safe to crib when moisture content is below 25 percent.

**For grain.** — It is better to choose an early corn (below average moisture content) than a late corn for grain. The tables show that a good yield does not depend on later maturity. Advantages of early maturing hybrids are:

- (1) They usually mature before killing frosts.
- (2) Good yielding early hybrids generally yield as much or more corn than late hybrids in most areas in Michigan.
- (3) Lower moisture content at harvest permits safer storage. You will take more clean, sound, high-quality corn out of the crib.
- (4) Mature, dry corn makes better livestock feed.
- (5) You can harvest earlier in the fall when weather conditions are most favorable. Early harvest may reduce corn losses resulting from broken stalks and dropped ears in the field.

- (6) Early hybrids with lower moisture content at harvest reduces cost for drying and market discount for moisture is less.
- (7) Fall plowing of corn stubble may be possible with early hybrids on land not subject to erosion.

**For silage.** — The best silage contains a high percentage of grain. Hybrids that produce high yields of grain should be used for silage. High dry weight production per acre is a better basis for choosing hybrids for silage than tons of green weight.

Corn for silage should reach the early dent stage well before frost in an average year. The early dent stage, when most of the kernels have dented, is the best time to begin harvest for silage. Dry matter production continues to increase until maturity.

**Other considerations.** — Choose early hybrids for late plantings, low soil fertility, sandy soils, muck soils, and for corn which is to be followed by a winter grain or cover crop.

You can get some degree of "crop insurance" by choosing two or three hybrids which differ slightly in their maturity. If one hybrid runs into unfavorable weather at a critical stage of growth, another may be affected less and come through with a good crop.

Even though you have been growing a hybrid which has given good results, you may be able to improve your corn crop by trying one or more of the hybrids with better records in these trials. Well tested new hybrids are worth trying. You may want to try a new hybrid in a strip in the same field with your present hybrid.

Table 1

Zone 1

**SOUTHERN MICHIGAN  
MONROE COUNTY TRIAL**  
One, Two, and Three Year Averages — 1967, 1966, 1965

| Hybrid                                   | % Moisture |        |        | Bushels Per Acre |       |        |       |        |       | % Stalk Lodging |       |        |       | % Root Lodging |       |       |       |
|--|------------|--------|--------|------------------|-------|--------|-------|--------|-------|-----------------|-------|--------|-------|----------------|-------|-------|-------|
|  | 1967       | 2 Yrs. | 3 Yrs. | 1967             |       | 2 yrs. |       | 3 yrs. |       | 1967            |       | 2 yrs. |       | 3 yrs.         |       | 1967  |       |
|  |            |        |        | 17700            | 23600 | 16900  | 22600 | 16300  | 21100 | 17700           | 23600 | 16900  | 22600 | 16300          | 21100 | 17700 | 23600 |
| Michigan 270                             | 23.9       | 22     | 22     | 52.7             | 40.9  | 66     | 64    | 71     | 69    | 32.0            | 24.5  | 20     | 17    | 16             | 14    | 0.0   | 0.0   |
| Michigan 280                             | 24.4       | —      | —      | 77.6             | 53.4  | —      | —     | —      | —     | 23.1            | 17.4  | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 300                             | 24.4       | 23     | 25     | 71.7             | 49.8  | 78     | 64    | 79     | 71    | 28.9            | 23.8  | 16     | 15    | 15             | 12    | 0.0   | 2.2   |
| Michigan 250                             | 24.6       | 22     | 23     | 64.1             | 44.0  | 75     | 66    | 78     | 72    | 34.4            | 21.5  | 19     | 14    | 14             | 9     | 0.0   | 0.0   |
| Michigan 370                             | 25.1       | —      | —      | 60.7             | 53.6  | —      | —     | —      | —     | 32.1            | 15.9  | —      | —     | —              | —     | 0.0   | 0.0   |
| Northrup King PX 527 (3X)                | 25.2       | —      | —      | 86.0             | 60.7  | —      | —     | —      | —     | 17.6            | 10.1  | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb XL 306 (3X)                       | 25.5       | 24     | 24     | 81.2             | 56.5  | 85     | 77    | —      | —     | 22.4            | 14.0  | 12     | 8     | —              | —     | 0.0   | 0.0   |
| Michigan 400                             | 25.5       | 24     | 25     | 76.1             | 55.0  | 86     | 76    | 86     | 81    | 18.2            | 13.5  | 9      | 7     | 7              | 5     | 0.0   | 1.0   |
| Northrup King X 138 (3X) <sup>2</sup>    | 25.7       | —      | —      | 85.8             | 68.1  | —      | —     | —      | —     | 28.4            | 6.1   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 402-2X (2X)                     | 25.7       | 24     | 26     | 84.9             | 64.5  | 98     | 90    | 98     | 94    | 15.7            | 13.3  | 9      | 7     | 7              | 5     | 0.0   | 0.0   |
| Michigan 425                             | 25.8       | 24     | 26     | 69.8             | 60.8  | 87     | 84    | 94     | 91    | 9.2             | 13.4  | 7      | 9     | 6              | 7     | 0.0   | 0.0   |
| Pioneer 3775 (2X) <sup>2</sup>           | 26.0       | 25     | 25     | 83.1             | 66.6  | 98     | 101   | —      | —     | 22.4            | 13.8  | 13     | 10    | —              | —     | 0.0   | 0.0   |
| Todd M 40 (2X)                           | 26.1       | —      | —      | 59.6             | 39.5  | —      | —     | —      | —     | 31.9            | 25.9  | —      | —     | —              | —     | 0.0   | 0.0   |
| Northrup King PX 525 (Sp)                | 26.4       | —      | —      | 80.0             | 61.6  | —      | —     | —      | —     | 25.0            | 23.7  | —      | —     | —              | —     | 0.0   | 0.0   |
| Funk Bros. G 4350 (2X)                   | 26.4       | 26     | —      | 68.3             | 62.0  | 85     | 74    | —      | —     | 11.3            | 9.9   | 6      | 6     | —              | —     | 0.0   | 0.0   |
| Todd 130 A (3X)                          | 26.5       | —      | —      | 51.5             | 40.5  | —      | —     | —      | —     | 16.4            | 10.0  | —      | —     | —              | —     | 0.0   | 0.0   |
| Simons M 310 S                           | 26.8       | —      | —      | 48.7             | 40.9  | —      | —     | —      | —     | 40.1            | 18.7  | —      | —     | —              | —     | 0.0   | 0.0   |
| Simons M 3112 A                          | 26.8       | —      | —      | 59.6             | 39.6  | —      | —     | —      | —     | 36.9            | 27.9  | —      | —     | —              | —     | 0.0   | 0.0   |
| Todd M 60 (2X)                           | 27.0       | —      | —      | 89.6             | 57.0  | —      | —     | —      | —     | 21.3            | 16.8  | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 463-3X (3X) <sup>2</sup>        | 27.0       | 26     | —      | 88.9             | 70.7  | 102    | 93    | —      | —     | 19.5            | 20.4  | 12     | 12    | —              | —     | 0.0   | 0.0   |
| Blaney B 800 E (2X)                      | 27.0       | 26     | 27     | 82.8             | 56.8  | 97     | 85    | 99     | 94    | 8.5             | 14.9  | 5      | 9     | 3              | 7     | 0.0   | 0.0   |
| Blaney 6606 A (2X) <sup>1 2</sup>        | 27.1       | 27     | —      | 91.4             | 76.7  | 98     | 101   | —      | —     | 5.4             | 13.7  | 3      | 8     | —              | —     | 0.0   | 0.0   |
| Supercroft S 268 (2X)                    | 27.1       | —      | —      | 69.8             | 47.1  | —      | —     | —      | —     | 17.2            | 11.4  | —      | —     | —              | —     | 0.0   | 0.5   |
| Michigan 550                             | 27.1       | 25     | 27     | 82.2             | 64.3  | 95     | 87    | 96     | 96    | 19.9            | 10.1  | 11     | 5     | 8              | 5     | 1.3   | 0.0   |
| DeKalb XL 45 (2X) <sup>1 2</sup>         | 27.1       | 26     | 29     | 91.0             | 66.3  | 103    | 102   | 98     | 96    | 15.7            | 11.8  | 8      | 6     | 6              | 7     | 0.0   | 0.0   |
| Pioneer 3773 (2X) <sup>1 2</sup>         | 27.2       | —      | —      | 94.2             | 71.7  | —      | —     | —      | —     | 6.1             | 5.4   | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb XL 325 (3X)                       | 27.2       | 26     | 27     | 73.1             | 59.3  | 89     | 86    | 93     | 88    | 22.1            | 22.9  | 12     | 13    | 10             | 11    | 0.0   | 0.0   |
| Migro M 12 SX (2X) <sup>2</sup>          | 27.3       | —      | —      | 81.2             | 68.1  | —      | —     | —      | —     | 25.3            | 16.1  | —      | —     | —              | —     | 1.3   | 0.0   |
| Funk Bros. G 4390 (3X) <sup>1 2</sup>    | 27.4       | —      | —      | 94.6             | 67.6  | —      | —     | —      | —     | 33.9            | 17.8  | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 500-2X (2X) <sup>1 2</sup>      | 27.4       | 26     | —      | 100.5            | 75.5  | 110    | 109   | —      | —     | 9.3             | 10.3  | 5      | 6     | —              | —     | 0.6   | 0.0   |
| Haapala SX 621 (2X) <sup>1 2</sup>       | 27.4       | 26     | —      | 96.7             | 66.5  | 100    | 91    | —      | —     | 16.1            | 10.1  | 9      | 5     | —              | —     | 0.0   | 0.0   |
| Blaney B 601 (2X) <sup>1 2</sup>         | 27.5       | —      | —      | 94.2             | 65.7  | —      | —     | —      | —     | 14.0            | 10.0  | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 430                             | 27.5       | 25     | 27     | 78.6             | 57.3  | 90     | 80    | 90     | 86    | 19.0            | 23.8  | 10     | 14    | 7              | 13    | 3.0   | 0.0   |
| Northrup King PX 44 (2X) <sup>1 2</sup>  | 27.5       | 27     | 27     | 90.5             | 69.5  | 103    | 96    | 96     | 95    | 24.5            | 15.1  | 13     | 9     | 7              | 7     | 0.0   | 0.0   |
| Pioneer 371                              | 27.5       | 26     | 28     | 78.3             | 58.2  | 92     | 87    | 91     | 92    | 18.4            | 12.3  | 10     | 8     | 8              | 6     | 0.6   | 0.0   |
| Garno S 95 (2X)                          | 27.7       | 27     | —      | 66.5             | 60.8  | 82     | 84    | —      | —     | 22.1            | 13.4  | 13     | 8     | —              | —     | 0.0   | 0.0   |
| Todd M 55 (2X)                           | 27.7       | —      | —      | 76.7             | 63.8  | —      | —     | —      | —     | 11.5            | 7.2   | —      | —     | —              | —     | 0.0   | 0.9   |
| Crib Filler 22                           | 27.7       | —      | —      | 82.7             | 70.7  | —      | —     | —      | —     | 11.6            | 14.7  | —      | —     | —              | —     | 0.0   | 0.0   |
| Northrup King PX 610 (3X) <sup>1 2</sup> | 27.8       | 27     | —      | 102.1            | 70.4  | 103    | 95    | —      | —     | 20.4            | 12.7  | 10     | 11    | —              | —     | 1.2   | 0.0   |
| Simons W 601 (2X)                        | 27.9       | 27     | —      | 70.9             | 46.2  | 94     | 79    | —      | —     | 39.6            | 19.7  | 21     | 12    | —              | —     | 0.6   | 0.0   |
| Funk Bros. G 34                          | 27.9       | 27     | 29     | 66.6             | 46.5  | 82     | 72    | 81     | 75    | 19.6            | 13.2  | 12     | 7     | 10             | 5     | 0.0   | 0.0   |
| Weather Master EPX-6 (2X) <sup>1 2</sup> | 27.9       | —      | —      | 91.8             | 69.6  | —      | —     | —      | —     | 13.0            | 16.1  | —      | —     | —              | —     | 1.2   | 0.0   |
| Pioneer 354 A                            | 28.0       | —      | —      | 65.4             | 44.4  | —      | —     | —      | —     | 38.4            | 18.4  | —      | —     | —              | —     | 0.0   | 0.0   |
| Haapala H 277                            | 28.1       | —      | —      | 87.4             | 55.9  | —      | —     | —      | —     | 23.9            | 22.3  | —      | —     | —              | —     | 1.2   | 0.0   |
| Migro M 140                              | 28.1       | —      | —      | 84.6             | 49.0  | —      | —     | —      | —     | 11.4            | 16.0  | —      | —     | —              | —     | 0.0   | 0.0   |
| Pride R 728 (3X) <sup>1</sup>            | 28.2       | —      | —      | 93.6             | 56.0  | —      | —     | —      | —     | 18.1            | 11.1  | —      | —     | —              | —     | 0.0   | 0.6   |
| DeKalb 409                               | 28.3       | 26     | 28     | 57.5             | 50.6  | 84     | 81    | 84     | 86    | 30.1            | 21.8  | 21     | 17    | 14             | 15    | 1.4   | 0.5   |
| Northrup King PX 50 (2X) <sup>1 2</sup>  | 28.6       | 28     | —      | 100.5            | 80.6  | 106    | 97    | —      | —     | 8.8             | 9.3   | 5      | 5     | —              | —     | 0.0   | 0.0   |
| Northrup King PX 52 (2X)                 | 28.6       | 27     | 30     | 80.8             | 49.1  | 96     | 84    | 94     | 84    | 16.9            | 17.4  | 9      | 9     | 7              | 7     | 0.0   | 0.0   |
| Pioneer 3567 <sup>2</sup>                | 28.6       | —      | —      | 83.0             | 66.4  | —      | —     | —      | —     | 14.7            | 18.1  | —      | —     | —              | —     | 0.0   | 0.0   |
| Migro M 540 <sup>1</sup>                 | 28.9       | —      | —      | 98.3             | 53.4  | —      | —     | —      | —     | 10.3            | 13.6  | —      | —     | —              | —     | 0.0   | 0.0   |
| Northrup King PX 560 (Sp)                | 28.9       | —      | —      | 78.4             | 53.8  | —      | —     | —      | —     | 22.4            | 20.0  | —      | —     | —              | —     | 0.0   | 0.0   |
| Supercroft S 30 A (2X)                   | 28.9       | 27     | —      | 82.8             | 61.9  | 98     | 89    | —      | —     | 18.1            | 16.0  | 10     | 9     | —              | —     | 0.0   | 0.5   |
| OYO 225 (2X)                             | 29.0       | —      | —      | 88.4             | 60.1  | —      | —     | —      | —     | 13.5            | 11.4  | —      | —     | —              | —     | 0.6   | 1.4   |
| Blaney B 772 (3X)                        | 29.0       | —      | —      | 75.4             | 53.9  | —      | —     | —      | —     | 21.2            | 13.7  | —      | —     | —              | —     | 1.3   | 0.0   |
| Migro M 22 SX (2X) <sup>1</sup>          | 29.0       | —      | —      | 96.7             | 54.4  | —      | —     | —      | —     | 21.3            | 18.2  | —      | —     | —              | —     | 0.6   | 0.0   |
| Simons M 1115 A                          | 29.1       | —      | —      | 62.0             | 42.8  | —      | —     | —      | —     | 35.3            | 28.0  | —      | —     | —              | —     | 0.0   | 0.0   |
| Northrup King KM 567                     | 29.2       | 28     | 30     | 80.6             | 49.2  | 88     | 78    | 97     | 92    | 21.4            | 13.5  | 12     | 7     | 8              | 5     | 0.0   | 0.0   |
| Taylor-Evans Bonusmaker (3X)             | 29.3       | 28     | 30     | 87.4             | 46.4  | 87     | 71    | 90     | 80    | 28.5            | 19.1  | 15     | 12    | 12             | 9     | 0.0   | 0.0   |
| P.A.G. 272 (3X)                          | 29.4       | —      | —      | 73.4             | 51.8  | —      | —     | —      | —     | 23.2            | 16.8  | —      | —     | —              | —     | 2.5   | 0.0   |

Table 1 — MONROE COUNTY TRIAL (Continued)

| Hybrid                           | % Moisture |        |        | Bushels Per Acre |       |        |       |        |       | % Stalk Lodging |       |        |       | % Root Lodging |       |       |       |
|----------------------------------|------------|--------|--------|------------------|-------|--------|-------|--------|-------|-----------------|-------|--------|-------|----------------|-------|-------|-------|
|                                  | 1967       | 2 Yrs. | 3 Yrs. | 1967             |       | 2 yrs. |       | 3 yrs. |       | 1967            |       | 2 yrs. |       | 3 yrs.         |       | 1967  |       |
|                                  |            |        |        | 17700            | 23600 | 16900  | 22600 | 16300  | 21100 | 17700           | 23600 | 16900  | 22600 | 16300          | 21100 | 17700 | 23600 |
| OYO E 6633 (2X)                  | 29.4       | —      | —      | 88.4             | 63.1  | —      | —     | —      | —     | 11.0            | 10.7  | —      | —     | —              | —     | 0.7   | 0.5   |
| Gries 475 (2X)                   | 29.7       | —      | —      | 88.7             | 49.4  | —      | —     | —      | —     | 29.8            | 17.2  | —      | —     | —              | —     | 0.0   | 0.0   |
| Pioneer SX 310 (2X)              | 29.8       | —      | —      | 76.5             | 55.2  | —      | —     | —      | —     | 14.4            | 6.9   | —      | —     | —              | —     | 0.7   | 2.2   |
| P.A.G. SX 9 (2X)                 | 30.0       | 28     | 30     | 89.4             | 54.1  | 100    | 84    | 101    | 86    | 21.3            | 11.6  | 12     | 7     | 9              | 6     | 0.0   | 0.0   |
| Michigan 570                     | 30.0       | 28     | 29     | 80.2             | 58.7  | 89     | 82    | 92     | 87    | 24.2            | 10.6  | 13     | 9     | 11             | 8     | 2.3   | 0.0   |
| Migro M 43 SX (2X)               | 30.0       | —      | —      | 76.2             | 42.8  | —      | —     | —      | —     | 15.5            | 11.8  | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 490                     | 30.1       | 28     | 29     | 80.9             | 62.2  | 89     | 84    | 95     | 92    | 23.2            | 14.4  | 14     | 10    | 12             | 8     | 0.7   | 3.1   |
| Migro M 453 X (3X)               | 30.2       | —      | —      | 89.2             | 59.4  | —      | —     | —      | —     | 16.8            | 10.1  | —      | —     | —              | —     | 1.3   | 2.3   |
| Landmark C 700 X <sup>1</sup>    | 30.4       | —      | —      | 94.8             | 52.9  | —      | —     | —      | —     | 15.5            | 12.6  | —      | —     | —              | —     | 5.4   | 0.5   |
| OYO 435 A <sup>1</sup>           | 30.7       | —      | —      | 96.8             | 60.3  | —      | —     | —      | —     | 21.9            | 17.3  | —      | —     | —              | —     | 0.0   | 1.8   |
| Simons M 4115                    | 30.6       | —      | —      | 67.0             | 40.7  | —      | —     | —      | —     | 20.6            | 13.1  | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb XL 341 (3X)               | 31.1       | 30     | 31     | 83.8             | 58.2  | 99     | 78    | 99     | 89    | 16.5            | 14.0  | 9      | 8     | 8              | 7     | 4.4   | 1.9   |
| Pride 724                        | 31.9       | —      | —      | 68.6             | 53.0  | —      | —     | —      | —     | 15.9            | 11.7  | —      | —     | —              | —     | 1.9   | 0.0   |
| Michigan 620                     | 32.5       | 30     | 32     | 82.0             | 58.0  | 93     | 77    | 95     | 85    | 18.8            | 15.1  | 12     | 10    | 9              | 7     | 2.7   | 0.0   |
| Crib Filler 40 (2X) <sup>2</sup> | 32.6       | 30     | —      | 86.4             | 68.4  | 100    | 97    | —      | —     | 20.0            | 13.3  | 11     | 7     | —              | —     | 3.8   | 4.4   |
| Gries 640                        | 32.7       | —      | —      | 81.5             | 51.6  | —      | —     | —      | —     | 21.8            | 17.8  | —      | —     | —              | —     | 0.0   | 0.0   |
| Average                          | 27.9       | 26     | 28     | 80.7             | 57.2  | 93     | 85    | 92     | 87    | 20.7            | 15.3  | 11     | 9     | 9              | 8     | 0.5   | 0.3   |
| Range                            | 23.9       | 22     | 22     | 48.7             | 39.5  | 66     | 64    | 71     | 69    | 5.4             | 5.4   | 3      | 5     | 3              | 5     | 0.0   | 0.0   |
|                                  | to         | to     | to     | to               | to    | to     | to    | to     | to    | to              | to    | to     | to    | to             | to    | to    | to    |
|                                  | 32.7       | 30     | 32     | 102.1            | 80.6  | 110    | 109   | 101    | 96    | 40.1            | 28.0  | 21     | 17    | 16             | 15    | 5.4   | 4.4   |
| Least significant differences    | 1.7        | 1      | 1      | 9.5              | 7.7   | 5      | 5     | 4      | 4     |                 |       |        |       |                |       |       |       |

1 — Significantly better than average yield at 17,700 population in 1967.  
2 — Significantly better than average yield at 23,600 population in 1967.

|               | 1967                | 1966              | 1965              |
|---------------|---------------------|-------------------|-------------------|
| Planted       | May 17              | May 9-10          | May 11            |
| Harvested     | November 13         | November 10       | October 22        |
| Soil type     | Brookston clay loam | Brookston loam    | Brookston loam    |
| Previous crop | Corn                | Corn              | Wheat             |
| Rows          | 36''                | 36''              | 36''              |
| Population    | 17,700 and 23,600   | 16,000 and 20,400 | 15,100 and 19,200 |
| Fertilizer    | 160-144-120         | 130-120-120       | 131-122-86        |
| Soil test: pH | 6.5                 | 7.2               | 7.0               |
| P             | 59 (high)           | 39 (high)         | 20 (medium)       |
| K             | 120 (medium high)   | 240 (high)        | 167 (medium)      |

Farm Cooperator: Earl Creech, Dundee  
County Agricultural Agent: R. J. Laser, Monroe

Table 2

**SOUTHERN MICHIGAN  
WASHTENAW COUNTY TRIAL  
One Year — 1967**

Zone 1

| Hybrid                         | % Moisture | Bushels Per Acre | % Stalk Lodging | % Root Lodging |
|--------------------------------|------------|------------------|-----------------|----------------|
| Michigan 270                   | 24.8       | 102.9            | 14.9            | 0.0            |
| Michigan 250                   | 25.3       | 113.9            | 14.9            | 0.0            |
| Michigan 300                   | 26.8       | 113.2            | 6.9             | 0.0            |
| Michigan 280                   | 27.1       | 119.8            | 6.3             | 1.3            |
| DeKalb XL 306 (3X)             | 28.1       | 114.9            | 6.6             | 1.8            |
| Northrup King X 138 (3X)       | 30.4       | 128.7            | 6.3             | 0.0            |
| Michigan 370                   | 30.5       | 107.2            | 11.1            | 1.1            |
| Michigan 400                   | 30.6       | 104.6            | 6.6             | 0.0            |
| Michigan 402-2X (2X)           | 31.2       | 119.8            | 10.5            | 0.0            |
| Northrup King PX 527 (3X)      | 32.2       | 127.2            | 3.4             | 0.0            |
| Michigan 430                   | 32.2       | 108.0            | 6.4             | 0.0            |
| Simons M 1115 A                | 32.2       | 130.2            | 8.1             | 0.0            |
| Todd 130 A (3X)                | 32.3       | 111.4            | 3.6             | 0.0            |
| Michigan 425                   | 32.3       | 115.6            | 11.8            | 0.0            |
| Garno S 95 (2X)                | 32.4       | 119.1            | 5.6             | 0.0            |
| OYO 225 (2X) *                 | 32.5       | 140.2            | 5.2             | 0.0            |
| Michigan 500-2X (2X) *         | 32.7       | 132.7            | 5.8             | 0.6            |
| Pioneer 3775 (2X)              | 32.7       | 102.7            | 10.4            | 0.0            |
| Michigan 463-3X (3X)           | 33.0       | 118.0            | 7.4             | 0.0            |
| Funk Bros. G 4350 (2X)         | 33.1       | 101.8            | 10.7            | 0.0            |
| Michigan 550                   | 33.1       | 115.7            | 6.3             | 0.0            |
| DeKalb XL 325 (3X)             | 33.2       | 121.3            | 3.4             | 0.6            |
| Todd M 40 (2X)                 | 33.3       | 95.3             | 10.3            | 0.0            |
| Migro M 12 SX (2X) *           | 33.3       | 140.6            | 4.0             | 0.0            |
| Northrup King PX 525 (Sp) *    | 33.4       | 139.0            | 8.7             | 0.0            |
| Supercrost S 268 (2X)          | 33.4       | 91.2             | 2.9             | 0.0            |
| Migro M 140                    | 33.4       | 116.9            | 4.0             | 0.0            |
| Simons M 3112 A                | 33.5       | 101.5            | 11.6            | 0.0            |
| Pioneer 3773 (2X)              | 33.5       | 127.3            | 4.8             | 0.0            |
| DeKalb XL 45 (2X)              | 33.6       | 125.1            | 4.3             | 0.0            |
| Todd M 55 (2X)                 | 33.9       | 123.5            | 0.0             | 0.0            |
| Blaney 6606 A (2X) *           | 33.9       | 153.2            | 2.9             | 1.8            |
| Taylor-Evans Bonusmaker (2X) * | 34.0       | 143.3            | 2.8             | 0.0            |
| Northrup King PX 610 (3X) *    | 34.1       | 134.3            | 2.9             | 0.0            |
| P.A.G. 272 (3X)                | 34.2       | 111.9            | 8.0             | 0.0            |
| DeKalb 409                     | 34.2       | 116.9            | 13.9            | 0.0            |
| Funk Bros. G 4390 (3X)         | 34.2       | 113.6            | 7.1             | 1.9            |
| Blaney B 800 E (2X)            | 34.3       | 110.3            | 2.9             | 0.0            |
| Northrup King PX 44 (2X)       | 34.5       | 118.9            | 8.1             | 0.0            |
| Simons M 3105                  | 34.5       | 90.4             | 6.9             | 0.0            |
| Michigan 570                   | 34.5       | 114.2            | 8.2             | 0.0            |
| Todd M 60 (2X)                 | 34.7       | 107.0            | 11.2            | 0.0            |
| Pioneer 371                    | 34.8       | 111.0            | 8.6             | 0.0            |
| Pioneer 354 A                  | 34.9       | 115.2            | 6.3             | 0.0            |
| Funk Bros. G 34                | 34.9       | 117.4            | 4.5             | 0.0            |
| P.A.G. SX 9 (2X)               | 35.0       | 107.9            | 8.0             | 0.0            |
| Blaney B 772 (3X)              | 35.2       | 108.9            | 4.0             | 0.0            |
| Michigan 490                   | 35.3       | 109.2            | 10.9            | 0.0            |
| Northrup King PX 52 (2X)       | 35.3       | 118.7            | 9.2             | 0.0            |
| Simons W 601 (2X)              | 35.4       | 111.9            | 14.2            | 0.0            |
| OYO E 6633 (2X)                | 35.4       | 127.0            | 0.6             | 0.0            |
| Supercrost S 30 A (2X)         | 35.6       | 115.1            | 5.7             | 0.0            |
| Gries 475 (2X)                 | 35.7       | 115.2            | 11.9            | 0.0            |
| Northrup King PX 50 (2X) *     | 35.9       | 138.7            | 5.1             | 0.0            |
| Pioneer SX 310 (2X)            | 36.1       | 116.9            | 4.5             | 0.6            |
| Pride R 728 (3X)               | 36.1       | 119.1            | 3.4             | 0.0            |
| Blaney B 601 (2X)              | 36.2       | 125.4            | 11.0            | 0.0            |
| Simons M 4115                  | 36.2       | 115.3            | 8.0             | 0.0            |
| Northrup King PX 560 (Sp)      | 36.5       | 113.9            | 13.3            | 0.0            |
| Haapala SX 621 (2X)            | 36.7       | 130.2            | 6.4             | 0.0            |
| Crib Filler 22                 | 36.8       | 115.1            | 2.4             | 0.0            |
| Haapala H 277                  | 36.8       | 118.2            | 7.5             | 0.0            |
| Pride 724                      | 36.8       | 125.9            | 6.8             | 0.0            |
| Michigan 620                   | 37.1       | 113.6            | 9.4             | 0.0            |
| Landmark C 700 X               | 37.2       | 106.2            | 8.3             | 4.1            |

Table 2 — WASHTENAW COUNTY (Continued)

| Hybrid                       | % Moisture   | Bushels Per Acre | % Stalk Lodging | % Root Lodging |
|------------------------------|--------------|------------------|-----------------|----------------|
| OYO 435 A                    | 37.2         | 121.7            | 5.1             | 0.0            |
| DeKalb XL 341 (3X)           | 37.3         | 130.4            | 4.7             | 0.6            |
| Migro M 43 SX (2X)           | 37.3         | 129.7            | 2.9             | 0.0            |
| Migro M 22 SX (2X)           | 37.8         | 110.1            | 5.7             | 1.7            |
| Northrup King KM 567         | 38.2         | 120.0            | 6.9             | 0.0            |
| Migro M 453 X (3X)           | 38.3         | 98.5             | 6.0             | 0.0            |
| Gries 640                    | 38.4         | 119.2            | 7.6             | 1.2            |
| Weather Master EPX-6 (2X)    | 38.4         | 123.9            | 9.1             | 0.0            |
| Migro M 540                  | 39.1         | 129.7            | 4.6             | 0.0            |
| Crib Filler 40 (2X)          | 39.2         | 129.4            | 8.5             | 0.6            |
| Pioneer 3567                 | 39.5         | 107.8            | 5.2             | 0.6            |
| Average                      | 34.5         | 118.6            | 7.1             | 0.2            |
| Range                        | 24.8 to 39.5 | 90.4 to 153.2    | 0.0 to 14.9     | 0.0 to 4.1     |
| Least significant difference | 1.8          | 13.0             |                 |                |

\* Significantly better than average yield in 1967.

Planted — May 27 Harvested — November 14

Previous crop — Corn

Rows — 36<sup>2</sup> Population — 18,400

Fertilizer — 20 tons manure, 195-140-155

Farm Cooperator: Robert Bevier, Milan  
County Agricultural Agent: Robert W. McCrory, Ann Arbor

Table 3

**SOUTHERN MICHIGAN  
HILLSDALE COUNTY TRIAL  
One, Two, and Three-Year Averages —  
1967, 1966, 1965**

Zone 1

| Hybrid                   | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |           |
|--------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|-----------|
|                          | 2          | 3         | 2                | 3         | 2               | 3         | 2              | 3         |
|                          | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. | 1967           | yrs. yrs. |
| Michigan 270             | 19.6       | 22 23     | 100.1            | 103 94    | 5.1             | 11 11     | 0.0            | 0.0       |
| DeKalb XL306 (3X)        | 22.9       | — —       | 103.1            | — —       | 4.8             | — —       | 0.0            | 0.0       |
| Michigan 250             | 22.9       | 23 25     | 95.5             | 108 98    | 5.2             | 4 4       | 0.0            | 0.0       |
| DeKalb XL304 (3X)        | 24.4       | — —       | 102.0            | — —       | 5.4             | — —       | 0.0            | 0.0       |
| Michigan 300             | 24.8       | 26 27     | 102.0            | 99 91     | 3.1             | 6 6       | 4.4            | 4.4       |
| Michigan 280             | 24.9       | — —       | 108.1            | — —       | 3.5             | — —       | 0.0            | 0.0       |
| Funk Bros. G4289 (3X)    | 24.9       | — —       | 97.8             | — —       | 8.5             | — —       | 0.0            | 0.0       |
| Todd M40 (2X)            | 25.0       | — —       | 84.3             | — —       | 0.6             | — —       | 0.0            | 0.0       |
| Michigan 370             | 25.5       | 26 27     | 98.4             | 103 96    | 4.2             | 8 7       | 0.0            | 0.0       |
| Michigan 400             | 25.6       | 26 27     | 100.8            | 106 99    | 3.7             | 3 5       | 0.0            | 0.0       |
| Wyckoff W5X              | 26.3       | 28 30     | 110.8            | 109 100   | 2.9             | 4 5       | 0.0            | 0.0       |
| Todd 130A (3X)           | 26.4       | 28 30     | 94.6             | 106 100   | 2.5             | 2 2       | 0.0            | 0.0       |
| Northrup King PX527 (3X) | 26.5       | — —       | 115.6            | — —       | 0.6             | — —       | 0.0            | 0.0       |
| Michigan 402-2X (2X)     | 26.7       | 27 29     | 123.4            | 122 112   | 8.3             | 5 4       | 0.0            | 0.0       |
| Northrup King PX525 (Sp) | 27.2       | — —       | 127.2            | — —       | 0.6             | — —       | 0.0            | 0.0       |
| Pioneer 3658             | 27.3       | — —       | 115.8            | — —       | 3.6             | — —       | 0.6            | 0.6       |
| Michigan 430             | 27.5       | 29 31     | 108.2            | 111 106   | 3.6             | 5 6       | 0.0            | 0.0       |
| Andersons A105           | 27.8       | — —       | 116.1            | — —       | 3.6             | — —       | 0.0            | 0.0       |
| Northrup King X138 (3X)  | 27.8       | — —       | 122.7            | — —       | 1.2             | — —       | 0.0            | 0.0       |
| Pioneer 3773 (2X) *      | 27.9       | — —       | 127.0            | — —       | 6.9             | — —       | 0.0            | 0.0       |
| Michigan 463-3X (3X) *   | 28.2       | 30 —      | 134.7            | 133 —     | 4.3             | 3 —       | 0.6            | 0.6       |
| Wyckoff W9X              | 28.2       | 29 31     | 106.2            | 115 104   | 0.6             | 1 1       | 0.6            | 0.6       |
| Michigan 425             | 28.3       | 29 32     | 115.5            | 118 110   | 3.1             | 3 3       | 1.8            | 1.8       |
| Funk Bros. G4390 (3X) *  | 28.3       | — —       | 133.4            | — —       | 8.3             | — —       | 0.0            | 0.0       |
| Pioneer 3775 (2X)        | 28.4       | — —       | 107.2            | — —       | 2.9             | — —       | 0.0            | 0.0       |
| Funk Bros. G34           | 28.5       | 31 33     | 100.4            | 107 99    | 3.0             | 2 2       | 0.6            | 0.6       |

Table 3 — HILLSDALE COUNTY (Continued)

| Hybrid                        | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |           |
|-------------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|-----------|
|                               | 2          | 3         | 2                | 3         | 2               | 3         | 2              | 3         |
|                               | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. | 1967           | yrs. yrs. |
| DeKalb XL325 (3X)             | 28.5       | 30 32     | 107.5            | 111 108   | 1.2             | 1 1       | 1              | 0.0       |
| Michigan 570                  | 28.6       | 32 34     | 115.0            | 115 108   | 3.2             | 6 7       | 2.6            |           |
| Cowbell SX107 (2X)            | 28.7       | 31 —      | 115.6            | 127 —     | 2.4             | 3 —       | 0.0            |           |
| Migro M12SX (2X)              | 28.7       | — —       | 116.6            | — —       | 2.3             | — —       | 0.0            |           |
| Funk Bros. G4384 (2X)*        | 28.9       | — —       | 133.6            | — —       | 6.5             | — —       | 0.6            |           |
| Michigan 500-2X (2X)*         | 28.9       | 30 —      | 138.7            | 145 —     | 0.6             | 2 —       | 0.0            |           |
| Pioneer 368                   | 29.0       | — —       | 116.3            | — —       | 2.9             | — —       | 1.1            |           |
| Andersons AX3 (2X)            | 29.1       | — —       | 124.2            | — —       | 3.5             | — —       | 1.7            |           |
| Northrup King PX44 (2X)       | 29.1       | 30 33     | 112.4            | 116 106   | 1.2             | 2 2       | 1.2            |           |
| Michigan 550                  | 29.6       | 30 32     | 122.6            | 125 116   | 1.8             | 2 2       | 0.6            |           |
| OYO E6633 (2X)                | 29.7       | — —       | 125.0            | — —       | 2.9             | — —       | 0.6            |           |
| Haapala SX626 (2X)*           | 29.7       | 31 —      | 131.4            | 139 —     | 0.6             | 1 —       | 0.0            |           |
| DeKalb XL45 (2X)              | 29.8       | 31 34     | 114.0            | 119 111   | 2.3             | 2 2       | 0.6            |           |
| Todd M60 (2X)                 | 29.8       | — —       | 121.3            | — —       | 1.2             | — —       | 0.0            |           |
| Crib Filler 22                | 29.9       | — —       | 122.0            | — —       | 1.2             | — —       | 0.6            |           |
| Northrup King PX52 (2X)       | 30.0       | 33 36     | 115.4            | 118 105   | 2.5             | 2 1       | 0.0            |           |
| Northrup King KM67*           | 30.0       | 31 34     | 132.7            | 136 123   | 3.4             | 3 3       | 0.0            |           |
| Todd M55 (2X)                 | 30.1       | 31 35     | 102.9            | 112 99    | 1.2             | 1 1       | 0.0            |           |
| Northrup King PX560 (Sp)      | 30.1       | — —       | 118.8            | — —       | 5.9             | — —       | 0.6            |           |
| Migro M140                    | 30.2       | — —       | 99.0             | — —       | 2.5             | — —       | 0.0            |           |
| Bayless SX415 (2X)*           | 30.3       | 31 —      | 144.3            | 130 —     | 2.9             | 3 —       | 0.0            |           |
| Northrup King PX50 (2X)       | 30.4       | — —       | 116.8            | — —       | 1.7             | — —       | 0.0            |           |
| Migro M22SX (2X)              | 30.6       | — —       | 116.8            | — —       | 1.1             | — —       | 0.0            |           |
| Northrup King PX610 (3X)      | 30.9       | 33 —      | 113.2            | 125 —     | 0.0             | 1 —       | 0.0            |           |
| Taylor-Evans Bonus-maker (2X) | 30.9       | 33 36     | 122.5            | 118 109   | 2.4             | 4 3       | 0.0            |           |
| Crib Filler 29                | 31.1       | 32 —      | 107.1            | 110 —     | 4.7             | 4 —       | 1.2            |           |
| Wyckoff W10A                  | 31.1       | 32 34     | 112.3            | 119 111   | 2.4             | 2 2       | 0.0            |           |
| P.A.G. SX36 (2X)              | 31.2       | — —       | 110.4            | — —       | 1.2             | — —       | 0.6            |           |
| OYO 225 (2X)*                 | 31.3       | — —       | 137.3            | — —       | 3.7             | — —       | 1.0            |           |
| P.A.G. SX9 (2X)*              | 31.4       | — —       | 127.8            | — —       | 2.9             | — —       | 0.0            |           |
| Haapala SX525 (3X)            | 31.5       | — —       | 88.4             | — —       | 3.3             | — —       | 1.3            |           |
| Landmark C700X                | 31.6       | — —       | 106.4            | — —       | 3.5             | — —       | 5.8            |           |
| Michigan 490                  | 31.6       | 33 35     | 105.3            | 112 107   | 7.6             | 8 7       | 0.0            |           |
| Migro M453X (3X)              | 31.8       | — —       | 125.5            | — —       | 0.0             | — —       | 0.0            |           |
| Pride R450 (2X)               | 31.8       | — —       | 120.9            | — —       | 1.2             | — —       | 0.0            |           |
| DeKalb XL341 (3X)*            | 31.8       | 34 35     | 128.4            | 118 111   | 1.8             | 2 3       | 0.6            |           |
| Pride XR750 (3X)*             | 32.0       | — —       | 131.1            | — —       | 1.1             | — —       | 0.6            |           |
| Mich. Exp. 66-3004 (3X)       | 32.0       | — —       | 93.1             | — —       | 1.2             | — —       | 0.0            |           |
| OYO 435A                      | 32.5       | — —       | 102.3            | — —       | 2.9             | — —       | 0.0            |           |
| P.A.G. 272 (3X)               | 33.2       | — —       | 94.8             | — —       | 3.6             | — —       | 0.6            |           |
| Michigan 620                  | 33.5       | 35 37     | 108.0            | 113 106   | 8.1             | 7 7       | 0.0            |           |
| Pioneer 3567                  | 33.6       | — —       | 118.4            | — —       | 4.7             | — —       | 0.0            |           |
| Anderson AX5 (2X)             | 34.5       | 32 —      | 107.8            | 109 —     | 0.6             | 2 —       | 0.0            |           |
| Crib Filler 40 (2X)           | 34.6       | 37 —      | 106.6            | 113 —     | 2.3             | 4 —       | 3.4            |           |
| Weather Master EP60           | 36.8       | — —       | 86.7             | — —       | 1.2             | — —       | 1.8            |           |
| Average                       | 29.2       | 30 32     | 114.3            | 117 105   | 3.0             | 3 4       | 0.4            |           |
| Range                         | 19.6       | 22 23     | 84.3             | 99 91     | 0.0             | 1 1       | 0.0            |           |
|                               | 36.8       | 37 37     | 144.3            | 145 123   | 8.5             | 11 11     | 5.8            |           |
| Least significant difference  | 1.3        | 1 1       | 12.6             | 5 4       |                 |           |                |           |

\* Significantly better than average yield in 1967.

|               | 1967           | 1966               | 1965              |
|---------------|----------------|--------------------|-------------------|
| Planted       | May 24         | May 28             | May 8             |
| Harvested     | Oct. 28        | Oct. 26            | Oct. 20           |
| Soil type     | Fox sandy loam | Fox sandy loam     | Fox sandy loam    |
| Previous crop | Corn           | Corn               | Corn              |
| Population    | 18,200         | 17,300             | 16,300            |
| Rows          | 36"            | 36"                | 36"               |
| Fertilizer    | 152-69-120     | Manure, 137-69-120 | Manure, 125-60-60 |
| Soil test: pH | 6.5            | 6.7                | 6.5               |
| P             | 47 (high)      | 120 (very high)    | 53 (high)         |
| K             | 175 (med.)     | 125 (med.)         | 87 (low)          |

Farm Cooperator: Keith Brown, Jonesville  
County Agricultural Agent: A. T. Hall, Hillsdale

Table 4

Zone 1

**SOUTHERN MICHIGAN  
BRANCH COUNTY TRIAL**  
One and Two Year Averages — 1967 and 1966

| Hybrid                       | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root Lodging |        |
|------------------------------|------------|--------|------------------|--------|-----------------|--------|----------------|--------|
|                              | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | 1967           | 2 Yrs. |
| Michigan 280                 | 23.9       | —      | 120.2            | —      | 1.8             | —      | 1.2            |        |
| Michigan 270                 | 25.7       | 23     | 93.5             | 97     | 5.7             | 7      | 0.0            |        |
| Michigan 250                 | 26.3       | 24     | 93.0             | 100    | 4.5             | 8      | 1.9            |        |
| Gutwein 10 (2X)              | 26.8       | —      | 83.1             | —      | 4.3             | —      | 2.2            |        |
| Michigan 300                 | 27.6       | 25     | 98.9             | 97     | 4.3             | 6      | 4.9            |        |
| Michigan 370                 | 27.7       | 25     | 100.0            | 100    | 2.5             | 4      | 0.0            |        |
| Northrup King KE 497         | 27.9       | —      | 113.8            | —      | 2.4             | —      | 0.0            |        |
| Tomco 2600 (2X)              | 28.3       | —      | 119.3            | —      | 4.5             | —      | 0.0            |        |
| Gutwein 17 (3X)              | 28.9       | —      | 111.6            | —      | 0.0             | —      | 0.0            |        |
| Northrup King PX (3X)        | 28.9       | —      | 129.3            | —      | 0.0             | —      | 0.6            |        |
| Funk Bros. G 4390 (3X)       | 29.0       | —      | 129.6            | —      | 1.2             | —      | 1.8            |        |
| DeKalb XL 306 (3X)           | 29.2       | —      | 125.0            | —      | 1.2             | —      | 0.0            |        |
| DeKalb XL 315 (3X)           | 29.4       | —      | 92.8             | —      | 1.8             | —      | 1.2            |        |
| Pioneer 3773 (2X)*           | 29.4       | —      | 144.4            | —      | 1.3             | —      | 0.0            |        |
| Northrup King X 138 (3X)     | 29.6       | —      | 130.4            | —      | 2.5             | —      | 0.0            |        |
| Funk Bros. G 17 A            | 29.6       | 27     | 135.1            | 128    | 2.5             | 6      | 0.0            |        |
| Michigan 400                 | 29.6       | 26     | 117.5            | 109    | 0.6             | 1      | 0.0            |        |
| Michigan 402-2X (2X)         | 29.6       | 27     | 137.7            | 128    | 1.3             | 4      | 0.0            |        |
| Funk Bros. G 4289 (3X)       | 29.7       | —      | 87.0             | —      | 6.5             | —      | 0.7            |        |
| Northrup King PX 525 (Sp)    | 29.7       | —      | 125.1            | —      | 2.9             | —      | 3.5            |        |
| Michigan 425                 | 29.7       | 27     | 120.9            | 123    | 4.1             | 5      | 0.0            |        |
| Michigan 430                 | 29.9       | 27     | 118.7            | 120    | 1.6             | 2      | 0.0            |        |
| Cowbell SX 112 (2X)          | 30.0       | 28     | 136.9            | 136    | 3.1             | 5      | 0.6            |        |
| Wyckoff W 5 X                | 30.3       | 27     | 118.2            | 111    | 1.8             | 6      | 0.0            |        |
| P.A.G. SX 36 (2X)            | 30.6       | —      | 118.1            | —      | 1.2             | —      | 0.0            |        |
| Bayless 3 X 435 (3X)         | 30.6       | —      | 115.9            | —      | 0.0             | —      | 0.0            |        |
| Northrup King PX 44 (2X)     | 30.9       | 29     | 120.9            | 116    | 1.3             | 2      | 0.0            |        |
| Michigan 550*                | 30.9       | 28     | 139.7            | 133    | 0.6             | 4      | 2.6            |        |
| Michigan 463-3X (3X)         | 31.0       | 29     | 135.7            | 131    | 5.4             | 7      | 0.6            |        |
| Migro M 12 SX (2X)           | 31.0       | —      | 129.4            | —      | 0.6             | —      | 1.2            |        |
| Funk Bros. G 4384 (2X)*      | 31.0       | —      | 140.9            | —      | 3.8             | —      | 0.6            |        |
| DeKalb XL 325 (3X)           | 31.1       | 29     | 113.9            | 113    | 0.6             | 1      | 1.2            |        |
| Michigan 570                 | 31.2       | 29     | 125.1            | 124    | 4.1             | 6      | 6.2            |        |
| Gutwein 222                  | 31.4       | —      | 125.1            | —      | 3.0             | —      | 0.6            |        |
| Northrup King PX 610 (3X)    | 31.4       | 29     | 123.5            | 131    | 3.0             | 2      | 0.0            |        |
| Gutwein 20 (2X)              | 31.4       | —      | 119.4            | —      | 0.0             | —      | 0.6            |        |
| Landmark C 700 X             | 31.5       | —      | 125.8            | —      | 1.2             | —      | 2.3            |        |
| Funk Bros. G 4401 (2X)       | 31.5       | —      | 136.9            | —      | 2.5             | —      | 0.0            |        |
| Hulting X 214                | 31.6       | —      | 117.7            | —      | 0.0             | —      | 0.6            |        |
| Northrup King PX 560 (Sp)    | 31.6       | —      | 125.2            | —      | 2.5             | —      | 0.0            |        |
| Hulting 928 (2X)*            | 31.7       | —      | 140.5            | —      | 0.6             | —      | 0.0            |        |
| Michigan 500-2X (2X)*        | 31.7       | 28     | 147.3            | 145    | 0.0             | 1      | 0.0            |        |
| Northrup King PX 50 (2X)     | 31.9       | 29     | 130.4            | 131    | 1.3             | 3      | 2.0            |        |
| Pioneer 3466                 | 31.9       | 29     | 130.9            | 131    | 1.2             | 4      | 5.3            |        |
| Pioneer 3715 (2X)            | 32.0       | —      | 122.2            | —      | 1.8             | —      | 0.0            |        |
| P.A.G. SX 52 (2X)            | 32.1       | 30     | 114.5            | 126    | 0.6             | 1      | 0.0            |        |
| Pioneer 371                  | 32.1       | 29     | 109.5            | 114    | 1.8             | 2      | 0.0            |        |
| Wyckoff W 10A*               | 32.2       | 29     | 139.1            | 136    | 1.8             | 2      | 0.0            |        |
| DeKalb XL 45 (2X)            | 32.4       | 29     | 121.7            | 125    | 0.0             | 1      | 1.8            |        |
| Pioneer 3414                 | 32.4       | —      | 124.0            | —      | 3.1             | —      | 0.0            |        |
| Hulting X 536                | 32.6       | —      | 136.4            | —      | 0.6             | —      | 0.0            |        |
| Hulting X 537                | 32.6       | —      | 105.3            | —      | 2.5             | —      | 1.3            |        |
| Michigan 490                 | 32.6       | 30     | 117.8            | 120    | 5.2             | 6      | 2.0            |        |
| Migro M 140                  | 32.7       | —      | 107.2            | —      | 0.7             | —      | 0.0            |        |
| Bayless 3 X 485 (3X)         | 32.9       | —      | 131.1            | —      | 2.6             | —      | 0.0            |        |
| Hulting 218*                 | 33.0       | —      | 140.4            | —      | 3.1             | —      | 0.0            |        |
| Taylor-Evans Bonusmaker (2X) | 33.0       | 31     | 144.1            | 130    | 0.6             | 2      | 2.4            |        |

Table 4 — BRANCH COUNTY (Continued)

| Hybrid                       | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root Lodging |        |
|------------------------------|------------|--------|------------------|--------|-----------------|--------|----------------|--------|
|                              | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | 1967           | 2 Yrs. |
|                              |            |        |                  |        |                 |        |                |        |
| Bayless SX 615-S (2X)*       | 33.0       | —      | 145.4            | —      | 4.1             | —      | 0.7            |        |
| Bayless SX 601 (2X)*         | 33.0       | 31     | 148.8            | 145    | 1.2             | 5      | 0.0            |        |
| Pioneer 3567                 | 33.0       | —      | 124.5            | —      | 1.8             | —      | 0.0            |        |
| Northrup King KM 567         | 33.0       | 30     | 130.8            | 131    | 1.8             | 4      | 0.0            |        |
| Migro M 22 SX (2X)           | 33.1       | —      | 128.1            | —      | 2.5             | —      | 4.4            |        |
| Tomco 440                    | 33.2       | —      | 121.0            | —      | 0.6             | —      | 0.0            |        |
| Northrup King PX 52 (2X)     | 33.2       | —      | 124.0            | —      | 1.2             | —      | 0.0            |        |
| Migro M 540                  | 33.2       | —      | 123.2            | —      | 1.2             | —      | 1.9            |        |
| Weather Master EPX-6 (2X)    | 33.4       | —      | 136.3            | —      | 0.0             | —      | 1.2            |        |
| P.A.G. 272 (3X)*             | 34.2       | —      | 139.9            | —      | 2.6             | —      | 1.9            |        |
| Bayless SX 415 (2X)*         | 34.4       | 30     | 144.1            | 139    | 3.0             | 4      | 0.0            |        |
| Bayless SX 433-7 (2X)        | 34.7       | —      | 122.9            | —      | 0.0             | —      | 0.0            |        |
| Migro M 453 X (3X)           | 35.4       | —      | 105.7            | —      | 2.4             | —      | 0.0            |        |
| Michigan 620                 | 35.7       | 33     | 120.8            | 124    | 1.3             | 3      | 0.0            |        |
| Average                      | 31.2       | 28     | 125.7            | 123    | 2.0             | 4      | 0.8            |        |
| Range                        | 23.9       | 23     | 83.1             | 97     | 0.0             | 1      | 0.0            |        |
|                              | to         | to     | to               | to     | to              | to     | to             |        |
|                              | 35.7       | 33     | 148.8            | 145    | 6.5             | 7      | 6.2            |        |
| Least significant difference | 1.4        | 1      | 12.3             | 5      |                 |        |                |        |

\* Significantly better than average yield in 1967.

|               | 1967                            | 1966               |
|---------------|---------------------------------|--------------------|
| Planted       | May 19                          | May 27             |
| Harvested     | Nov. 1                          | Oct. 29            |
| Soil type     | Gilford sandy loam              | Gilford sandy loam |
| Previous crop | Corn                            | Corn               |
| Rows 36"      | 36"                             | 36"                |
| Population    | 19,200                          | 17,100             |
| Fertilizer    | 36-92-0                         | 116-92-90          |
| Soil test: pH | 6.4; P-112 (high), K-199 (high) |                    |

Farm Cooperator: George Matthews, Union City  
County Agricultural Agent: Paul Thompson, Coldwater

Table 5 — SOUTHERN MICHIGAN KALAMAZOO COUNTY TRIAL One, Two, and Three Year Averages — 1967, 1966, 1965

| Hybrid                    | % Moisture |      |      | Bushels Per Acre |      |      | % Stalk Lodging |      |      | % Root Lodging |      |      |
|---------------------------|------------|------|------|------------------|------|------|-----------------|------|------|----------------|------|------|
|                           | 1967       | 2    | 3    | 1967             | 2    | 3    | 1967            | 2    | 3    | 1967           | 2    | 3    |
|                           |            | yrs. | yrs. |                  | yrs. | yrs. |                 | yrs. | yrs. |                | yrs. | yrs. |
| Michigan 270              | 25.4       | 24   | 25   | 101.2            | 78   | 70   | 5.9             | 6    | 7    | 1.2            |      |      |
| Michigan 280              | 26.0       | —    | —    | 107.5            | —    | —    | 3.6             | —    | —    | 3.0            |      |      |
| Michigan 250              | 26.1       | 26   | 26   | 97.0             | 76   | 67   | 4.7             | 5    | 5    | 0.0            |      |      |
| Michigan 300              | 26.1       | 25   | 27   | 102.3            | 82   | 71   | 6.3             | 8    | 5    | 3.8            |      |      |
| Funk Bros. G 4289 (3X)    | 29.0       | —    | —    | 103.0            | —    | —    | 5.7             | —    | —    | 0.0            |      |      |
| Funk Bros. G 17 A         | 29.2       | 28   | 30   | 113.3            | 91   | 77   | 4.9             | 3    | 3    | 0.0            |      |      |
| Northrup King X 138 (2X)  | 29.2       | —    | —    | 111.4            | —    | —    | 0.6             | —    | —    | 0.0            |      |      |
| Northrup King PX 527 (3X) | 29.5       | —    | —    | 101.2            | —    | —    | 3.0             | —    | —    | 0.0            |      |      |
| Michigan 370              | 29.5       | 28   | 29   | 116.0            | 86   | 78   | 3.6             | 4    | 3    | 1.2            |      |      |
| Michigan 400              | 29.9       | 28   | 29   | 104.1            | 83   | 76   | 1.8             | 3    | 3    | 0.0            |      |      |
| Michigan 402-2X (2X)*     | 30.4       | 29   | 30   | 126.9            | 99   | 89   | 4.9             | 4    | 3    | 0.6            |      |      |
| Michigan 430              | 30.5       | 29   | 31   | 107.6            | 85   | 76   | 3.0             | 4    | 6    | 0.0            |      |      |
| Weather Master EP 30      | 30.5       | —    | —    | 114.6            | —    | —    | 1.8             | —    | —    | 0.6            |      |      |
| Michigan 425              | 30.6       | 30   | 31   | 109.8            | 89   | 80   | 2.4             | 4    | 2    | 0.0            |      |      |

Table 5 — KALAMAZOO COUNTY (Continued)

| Hybrid                       | % Moisture |      |      | Bushels Per Acre |      |      | % Stalk Lodging |      |      | % Root Lodging |      |      |
|------------------------------|------------|------|------|------------------|------|------|-----------------|------|------|----------------|------|------|
|                              | 1967       | 2    | 3    | 1967             | 2    | 3    | 1967            | 2    | 3    | 1967           | 2    | 3    |
|                              |            | yrs. | yrs. |                  | yrs. | yrs. |                 | yrs. | yrs. |                | yrs. | yrs. |
| Northrup King PX 525 (Sp)*   | 30.6       | —    | —    | 119.6            | —    | —    | 0.6             | —    | —    | 0.0            |      |      |
| Michigan 550*                | 30.7       | 30   | 32   | 118.8            | 92   | 85   | 0.6             | 1    | 1    | 0.0            |      |      |
| Cowbell 55                   | 30.8       | 29   | —    | 88.3             | 80   | —    | 5.3             | 4    | —    | 1.3            |      |      |
| Pioneer 3773 (2X)*           | 31.1       | —    | —    | 134.7            | —    | —    | 0.6             | —    | —    | 0.0            |      |      |
| Funk Bros. G 4390 (3X)       | 31.1       | —    | —    | 99.1             | —    | —    | 0.0             | —    | —    | 0.0            |      |      |
| Michigan 463-3X (3X)*        | 31.3       | 30   | —    | 127.4            | 101  | —    | 3.0             | 4    | —    | 0.0            |      |      |
| Pioneer 368                  | 31.4       | 30   | 33   | 113.7            | 88   | 82   | 2.4             | 2    | 4    | 1.2            |      |      |
| Crib Filler 22               | 31.6       | —    | —    | 113.3            | —    | —    | 0.6             | —    | —    | 0.0            |      |      |
| Cowbell SX 107 (2X)          | 31.8       | —    | —    | 91.6             | —    | —    | 0.0             | —    | —    | 0.0            |      |      |
| Cowbell HK 271 (2X)          | 31.9       | —    | —    | 99.5             | —    | —    | 1.2             | —    | —    | 1.2            |      |      |
| Pioneer 3775 (2X)*           | 32.3       | 31   | —    | 122.3            | 87   | —    | 0.6             | 1    | —    | 1.8            |      |      |
| Northrup King PX 610 (3X)    | 32.4       | 31   | —    | 97.8             | 80   | —    | 2.4             | 2    | —    | 0.0            |      |      |
| Crib Filler 17               | 32.5       | 31   | —    | 81.5             | 67   | —    | 1.8             | 1    | —    | 0.0            |      |      |
| DeKalb 409                   | 32.5       | 31   | 32   | 96.5             | 79   | 72   | 5.6             | 8    | 6    | 0.0            |      |      |
| Haapala SX 475 (2X)          | 32.7       | —    | —    | 91.6             | —    | —    | 5.0             | —    | —    | 0.0            |      |      |
| Pride 568                    | 32.8       | —    | —    | 80.5             | —    | —    | 1.9             | —    | —    | 0.0            |      |      |
| Northrup King PX 52 (2X)*    | 32.9       | 32   | 34   | 136.6            | 97   | 82   | 1.2             | 1    | 1    | 0.6            |      |      |
| Michigan 500-2X (2X)*        | 32.9       | 31   | —    | 134.0            | 106  | —    | 1.2             | 1    | —    | 0.0            |      |      |
| Taylor-Evans Bonusmaker (2X) | 33.2       | 31   | 33   | 105.1            | 87   | 77   | 5.0             | 4    | 3    | 0.0            |      |      |
| DeKalb 414                   | 33.5       | 32   | 34   | 105.4            | 83   | 74   | 1.8             | 3    | 2    | 0.0            |      |      |
| Migro M 140                  | 33.5       | —    | —    | 105.3            | —    | —    | 1.8             | —    | —    | 0.0            |      |      |
| Weather Master EP 50         | 33.6       | —    | —    | 114.5            | —    | —    | 2.4             | —    | —    | 0.0            |      |      |
| Northrup King PX 560 (Sp)    | 33.7       | —    | —    | 116.3            | —    | —    | 2.5             | —    | —    | 0.0            |      |      |
| Michigan 570                 | 33.8       | 33   | 34   | 103.7            | 81   | 76   | 5.7             | 5    | 6    | 0.0            |      |      |
| Northrup King PX 44 (2X)     | 34.2       | 33   | 33   | 116.1            | 84   | 74   | 1.8             | 2    | 2    | 0.6            |      |      |
| Michigan 490                 | 34.3       | 33   | 34   | 113.0            | 86   | 81   | 4.0             | 4    | 4    | 1.3            |      |      |
| Migro M 12 SX (2X)           | 34.3       | —    | —    | 94.6             | —    | —    | 2.0             | —    | —    | 0.0            |      |      |
| DeKalb XL 45 (2X)            | 34.7       | 32   | 34   | 115.7            | 93   | 86   | 1.3             | 1    | 1    | 0.0            |      |      |
| Northrup King PX 50 (2X)     | 34.8       | 33   | —    | 92.9             | 75   | —    | 2.4             | 1    | —    | 0.0            |      |      |
| Migro M 22 SX (2X)           | 34.9       | —    | —    | 94.7             | —    | —    | 2.5             | —    | —    | 0.0            |      |      |
| Northrup King KM 567         | 35.2       | 34   | 35   | 100.5            | 81   | 73   | 1.2             | 3    | 3    | 0.0            |      |      |
| Tomco Genetic Giant 440      | 35.3       | —    | —    | 108.9            | —    | —    | 1.9             | —    | —    | 0.0            |      |      |
| DeKalb 415 A                 | 35.6       | —    | —    | 103.7            | —    | —    | 1.2             | —    | —    | 0.0            |      |      |
| Migro M 453 X (3X)           | 35.7       | —    | —    | 107.8            | —    | —    | 1.2             | —    | —    | 0.0            |      |      |
| Pioneer 371                  | 35.8       | 33   | 34   | 91.5             | 72   | 68   | 0.6             | 1    | 2    | 0.0            |      |      |
| Michigan 620                 | 36.0       | 34   | 35   | 108.6            | 82   | 76   | 3.1             | 4    | 3    | 2.5            |      |      |
| Pride R 450 (2X)             | 36.0       | 33   | 34   | 99.5             | 84   | 74   | 2.4             | 3    | 3    | 0.0            |      |      |
| Pioneer 3567                 | 36.1       | —    | —    | 103.9            | —    | —    | 3.7             | —    | —    | 0.0            |      |      |
| Crib Filler 40 (2X)          | 37.1       | 35   | —    | 106.3            | 83   | —    | 1.2             | 2    | —    | 0.6            |      |      |
| Haapala SX 525 (3X)          | 37.2       | —    | —    | 81.6             | —    | —    | 1.9             | —    | —    | 0.6            |      |      |
| Landmark C 700 X             | 38.2       | —    | —    | 78.1             | —    | —    | 2.9             | —    | —    | 1.2            |      |      |
| Average                      | 32.5       | 31   | 32   | 106.3            | 85   | 77   | 2.5             | 3    | 3    | 0.4            |      |      |
| Range                        | 25.4       | 24   | 25   | 78.1             | 67   | 67   | 0.0             | 1    | 1    | 0.0            |      |      |
|                              | to         | to   | to   | to               | to   | to   | to              | to   | to   | to             |      |      |
|                              | 38.2       | 35   | 35   | 136.6            | 106  | 87   | 6.3             | 8    | 7    | 3.8            |      |      |
| Least significant difference | 1.5        | 1    | 1    | 11.6             | 5    | 4    |                 |      |      |                |      |      |

\* Significantly better than average yield in 1967.

|               | 1967             | 1966            | 1965         |
|---------------|------------------|-----------------|--------------|
| Planted       | May 26           | May 23          | May 15       |
| Harvested     | Nov. 3           | Oct. 31         | Oct. 26      |
| Soil type     | Warsaw loam      | Warsaw loam     | Warsaw loam  |
| Previous crop | Corn             | Corn            | Corn         |
| Rows          | 36"              | 36"             | 36"          |
| Population    | 17,800           | 16,800          | 16,100       |
| Fertilizer    | 145-80-20        | 113-53-53       | 93-72-72     |
| Soil test: pH | 7.3              | 6.8             | 6.6          |
| P             | 35 (medium high) | 168 (very high) | 88 (high)    |
| K             | 210 (high)       | 341 (very high) | 174 (medium) |

Farm Cooperator: Richard VanVrancken, Climax  
County Agricultural Agent: Vern Hinz, Kalamazoo



Table 6

Zone 1

**SOUTHERN MICHIGAN  
CASS COUNTY TRIAL**  
Irrigated versus Not Irrigated  
One Year — 1967

| Hybrid                              | % Moisture   | Bu. per Acre  |               | % Stalk Lodg. |             | % Root Lodg. |            |
|-------------------------------------|--------------|---------------|---------------|---------------|-------------|--------------|------------|
|                                     |              | Irrig.        | Not Irrig.    | Irrig.        | Not Irrig.  | Irrig.       | Not Irrig. |
| Michigan 402-2X (2X)                | 26.9         | 116.7         | 90.4          | 5.0           | 2.8         | 3.1          | 1.2        |
| Northrup King X 138 (3X)            | 27.3         | 114.4         | 91.7          | 7.9           | 5.9         | 0.6          | 0.0        |
| Wyckoff W 5 X                       | 27.5         | 94.6          | 82.4          | 3.5           | 7.1         | 0.0          | 0.0        |
| DeKalb XL 306 (3X)                  | 27.6         | 109.0         | 83.2          | 8.6           | 5.4         | 1.2          | 0.0        |
| Michigan 430                        | 27.7         | 114.5         | 83.9          | 9.4           | 19.4        | 0.0          | 1.8        |
| Pioneer 3715 (3X) <sup>2</sup>      | 27.9         | 113.3         | 98.7          | 10.7          | 17.5        | 0.0          | 1.2        |
| Migro M 12 SX (2X)                  | 27.9         | 110.2         | 92.2          | 10.9          | 2.3         | 0.0          | 0.0        |
| Pioneer 371                         | 28.2         | 110.9         | 72.2          | 1.8           | 2.4         | 0.0          | 0.6        |
| Pioneer 3466                        | 28.2         | 111.2         | 81.5          | 3.0           | 5.1         | 0.6          | 0.0        |
| Northrup King PX 525 (Sp)           | 28.2         | 113.5         | 79.4          | 6.0           | 10.4        | 0.0          | 0.0        |
| Michigan 425                        | 28.4         | 109.9         | 81.6          | 6.5           | 3.5         | 1.8          | 0.7        |
| Funk Bros. G 4390 (3X)              | 28.4         | 112.7         | 74.6          | 4.6           | 14.1        | 0.6          | 0.0        |
| Funk Bros. G. 17 A                  | 28.4         | 91.4          | 78.3          | 4.2           | 4.3         | 2.3          | 0.0        |
| Michigan 550                        | 28.5         | 122.6         | 85.7          | 2.6           | 4.3         | 0.0          | 0.0        |
| Michigan 463-3X (3X) <sup>1</sup>   | 28.5         | 125.7         | 89.7          | 4.7           | 4.9         | 2.4          | 1.2        |
| Bayless 3 X 435 (3X)                | 28.6         | 109.6         | 81.9          | 5.8           | 4.6         | 0.6          | 0.0        |
| Bayless SX 433-7 (2X)               | 29.1         | 96.7          | 86.3          | 2.9           | 2.5         | 0.0          | 2.5        |
| Cowbell SX 112 (2X)                 | 29.4         | 122.2         | 90.0          | 2.8           | 3.7         | 0.6          | 0.0        |
| Pioneer 3773 (2X) <sup>1</sup>      | 29.1         | 129.9         | 90.3          | 3.4           | 5.8         | 1.7          | 1.2        |
| Northrup King PX 44 (2X)            | 29.2         | 102.3         | 88.5          | 4.1           | 14.5        | 1.2          | 1.8        |
| Funk Bros. G 4384 (2X)              | 29.2         | 98.1          | 87.7          | 8.4           | 3.6         | 0.0          | 0.0        |
| P.A.G. 272 (3X)                     | 29.3         | 107.9         | 93.3          | 4.6           | 6.5         | 0.0          | 0.0        |
| P.A.G. SX 52 (2X) <sup>1 2</sup>    | 29.5         | 135.7         | 96.9          | 5.8           | 10.8        | 0.0          | 0.0        |
| Pioneer 3567                        | 29.6         | 118.8         | 85.4          | 3.4           | 4.2         | 0.0          | 0.0        |
| DeKalb 409                          | 29.6         | 88.6          | 63.3          | 9.6           | 6.8         | 0.0          | 0.0        |
| Migro M 22 SX (2X)                  | 29.6         | 124.4         | 89.6          | 2.9           | 3.6         | 0.0          | 0.0        |
| P.A.G. SX 36 (2X)                   | 29.6         | 117.2         | 83.6          | 4.7           | 1.9         | 0.0          | 0.0        |
| Northrup King PX 52 (2X)            | 30.1         | 112.3         | 82.9          | 4.8           | 2.4         | 0.0          | 0.0        |
| Northrup King PX 610 (3X)           | 30.1         | 113.7         | 93.9          | 2.4           | 3.6         | 0.0          | 1.2        |
| Northrup King PX 50 (2X)            | 30.1         | 104.8         | 75.3          | 3.2           | 8.0         | 1.3          | 0.0        |
| Weather Master EPX-6 (2X)           | 30.2         | 104.6         | 93.3          | 7.5           | 4.8         | 0.0          | 1.2        |
| Michigan 500-2X (2X) <sup>1 2</sup> | 30.2         | 129.8         | 104.3         | 3.1           | 6.0         | 0.0          | 0.0        |
| Migro M 140                         | 30.5         | 108.7         | 76.8          | 4.1           | 4.0         | 0.0          | 0.0        |
| Migro M 453 X (3X)                  | 30.6         | 111.5         | 80.1          | 6.4           | 6.0         | 0.0          | 1.8        |
| DeKalb XL 45 (2X) <sup>1</sup>      | 30.2         | 125.7         | 90.7          | 2.4           | 1.9         | 0.0          | 1.3        |
| Migro M 540 <sup>1</sup>            | 30.6         | 125.3         | 82.8          | 5.8           | 7.4         | 0.0          | 0.0        |
| Wyckoff W 10 A                      | 30.6         | 118.7         | 83.7          | 4.0           | 4.0         | 0.6          | 0.0        |
| DeKalb XL 325 (3X)                  | 31.0         | 118.0         | 77.6          | 2.9           | 4.2         | 0.6          | 2.4        |
| Bayless SX 615-5 (2X) <sup>2</sup>  | 31.1         | 123.9         | 107.6         | 0.0           | 3.5         | 0.0          | 0.0        |
| Bayless 3X 485 (3X) <sup>1 2</sup>  | 31.1         | 130.5         | 98.9          | 4.0           | 4.8         | 0.0          | 0.0        |
| Northrup King KM 567                | 31.4         | 114.9         | 84.2          | 2.9           | 3.5         | 0.0          | 0.0        |
| Bayless SX 415 (2X)                 | 31.4         | 124.5         | 89.4          | 4.2           | 6.1         | 0.0          | 0.0        |
| Landmark C 700 X                    | 31.6         | 105.3         | 94.5          | 4.1           | 5.4         | 1.7          | 0.0        |
| DeKalb XL 341 (3X)                  | 32.3         | 123.2         | 85.5          | 1.9           | 4.6         | 0.0          | 0.0        |
| Bayless SX 601 (2X)                 | 32.6         | 101.2         | 67.9          | 7.7           | 3.0         | 0.0          | 0.6        |
| Funk Bros. G 4401 (2X)              | 33.3         | 108.8         | 75.5          | 5.2           | 2.9         | 2.9          | 0.0        |
| Average                             | 29.9         | 114.3         | 87.2          | 4.8           | 6.3         | 0.5          | 0.4        |
| Range                               | 26.9 to 33.3 | 88.6 to 135.7 | 63.3 to 107.6 | 0.0 to 10.9   | 1.9 to 19.4 | 0.0 to 3.1   | 0.0 to 2.5 |
| Least significant differences       | 1.4          | 10.8          | 8.1           |               |             |              |            |

1 — Significantly better than average yield, irrigated.  
2 — Significantly better than average yield, not irrigated.  
Planted — May 6 Harvested — November 8  
Soil type — Kalamazoo sandy loam Previous crop — Potatoes  
Rows — 40" Population — 17,200  
Fertilizer — 148-127-0  
Soil test: pH — 6.7, P — 138 (high), K — 389 (very high)  
Irrigation: 2 inches in mid-July and 2 inches in early August.  
Farm Cooperator: Cliff Moulton, Decatur.  
County Agricultural Agent: Fred Sackrider, Cassopolis.

Table 7

Zone 2

**SOUTH CENTRAL MICHIGAN  
OTTAWA COUNTY TRIAL**  
One, Two, and Three Year Averages—  
1967, 1966, 1965

| Hybrid                         | % Moisture   |          | Bushels Per Acre |               | % Stalk Lodging |           | % Root Lodging |           |         |             |
|--------------------------------|--------------|----------|------------------|---------------|-----------------|-----------|----------------|-----------|---------|-------------|
|                                | 2            | 3        | 2                | 3             | 2               | 3         | 2              | 3         |         |             |
|                                | 1967         | yrs.yrs. | 1967             | yrs. yrs.     | 1967            | yrs. yrs. | 1967           | yrs. yrs. |         |             |
| Northrup King PX 446 (3X)      | 26.6         | —        | —                | 120.0         | —               | —         | 17.1           | —         | —       | 0.0         |
| Michigan 250                   | 27.0         | 25       | 24               | 111.6         | 100             | 91        | 12.4           | 9         | 9       | 1.8         |
| Michigan 270                   | 27.3         | 24       | 23               | 106.8         | 94              | 87        | 15.9           | 11        | 10      | 4.0         |
| Michigan 300                   | 28.0         | 26       | 25               | 110.4         | 93              | 92        | 10.8           | 8         | 9       | 6.6         |
| Michigan 280                   | 28.5         | —        | —                | 113.3         | —               | —         | 14.4           | —         | —       | 12.1        |
| Taylor-Evans Hastymaker        | 29.2         | —        | —                | 98.4          | —               | —         | 13.8           | —         | —       | 4.1         |
| Michigan 370                   | 29.6         | 28       | 26               | 109.0         | 93              | 91        | 7.1            | 6         | 5       | 1.8         |
| Funk Bros. G 4287 (3X)         | 30.2         | —        | —                | 119.2         | —               | —         | 13.6           | —         | —       | 8.6         |
| Funk Bros. G 18 A              | 30.4         | —        | —                | 119.2         | —               | —         | 19.9           | —         | —       | 9.9         |
| Funk Bros. G 17 A              | 30.5         | 29       | 28               | 123.5         | 111             | 105       | 20.5           | 12        | 11      | 6.0         |
| Michigan 402-2X (2X)*          | 30.8         | 29       | 28               | 132.0         | 115             | 107       | 17.3           | 11        | 10      | 3.6         |
| Funk Bros. G 10 A              | 30.8         | —        | —                | 123.2         | —               | —         | 15.3           | —         | —       | 18.4        |
| Weather Master EP 30           | 30.8         | —        | —                | 111.3         | —               | —         | 3.8            | —         | —       | 4.4         |
| Northrup King PX 480 (Sp)      | 30.9         | 29       | —                | 126.0         | 102             | —         | 12.6           | 10        | —       | 0.0         |
| DeKalb 57                      | 30.9         | 29       | 28               | 107.5         | 88              | 86        | 13.0           | 7         | 8       | 0.6         |
| Cowbell 55                     | 31.0         | 29       | —                | 102.6         | 97              | —         | 11.0           | 7         | —       | 0.0         |
| Michigan 400                   | 31.1         | 28       | 27               | 115.8         | 99              | 94        | 8.3            | 5         | 4       | 0.6         |
| Michigan 425                   | 31.1         | 30       | 29               | 122.4         | 107             | 103       | 6.7            | 6         | 6       | 3.7         |
| Funk Bros. G 4350 (2X)         | 31.1         | —        | —                | 119.6         | —               | —         | 4.9            | —         | —       | 4.3         |
| Michigan 550                   | 31.2         | 30       | 29               | 123.9         | 108             | 107       | 7.8            | 5         | 4       | 0.6         |
| Northrup King PX 525 (Sp)      | 31.2         | —        | —                | 127.6         | —               | —         | 2.4            | —         | —       | 0.0         |
| DeKalb 224*                    | 31.2         | 30       | —                | 131.1         | 107             | —         | 15.2           | 10        | —       | 0.0         |
| Weather Master EP 40           | 31.7         | —        | —                | 118.2         | —               | —         | 6.9            | —         | —       | 0.0         |
| Wolverine 66 A                 | 31.9         | 30       | 29               | 114.6         | 103             | 96        | 20.6           | 13        | 16      | 0.0         |
| Northrup King PX 527 (3X)      | 32.2         | 29       | 29               | 124.9         | 114             | 104       | 4.6            | 5         | 4       | 0.0         |
| Michigan 463-3X (3X)*          | 32.3         | 29       | 29               | 131.6         | 116             | 113       | 8.8            | 7         | 5       | 0.6         |
| Pioneer 3773 (2X)              | 33.0         | 31       | 30               | 127.5         | 109             | 101       | 19.8           | 10        | 11      | 0.0         |
| Michigan 430                   | 33.1         | 30       | 29               | 113.8         | 101             | 97        | 9.0            | 7         | 8       | 7.7         |
| Taylor-Evans Profit-maker (2X) | 33.4         | —        | —                | 97.0          | —               | —         | 7.9            | —         | —       | 0.0         |
| Northrup King KE 497           | 33.4         | 31       | 29               | 127.1         | 110             | 102       | 9.4            | 7         | 7       | 2.5         |
| Northrup King PX 560 (Sp)      | 33.8         | —        | —                | 113.2         | —               | —         | 8.2            | —         | —       | 1.9         |
| Michigan 500-2X (2X)*          | 33.8         | 31       | —                | 132.4         | 120             | —         | 3.5            | 2         | —       | 0.6         |
| DeKalb 427                     | 35.0         | 34       | 33               | 128.5         | 102             | 99        | 3.6            | 3         | 5       | 3.6         |
| Pioneer 371                    | 35.5         | 34       | 31               | 114.7         | 97              | 100       | 12.6           | 8         | 7       | 0.0         |
| Northrup King KM 567           | 35.5         | 33       | 31               | 124.0         | 110             | 105       | 14.7           | 8         | 7       | 0.0         |
| Northrup King PX 44 (2X)       | 35.6         | 34       | 33               | 121.3         | 100             | 97        | 6.1            | 6         | 4       | 1.2         |
| Crows 420 (2X)                 | 35.7         | 34       | —                | 110.9         | 97              | —         | 12.0           | 8         | —       | 0.6         |
| Northrup King PX 50 (2X)*      | 35.9         | 33       | —                | 136.8         | 122             | —         | 7.6            | 7         | —       | 1.2         |
| Cowbell SX 112 (2X)            | 36.3         | —        | —                | 122.5         | —               | —         | 6.6            | —         | —       | 0.0         |
| Pride R 450 (2X)*              | 37.0         | —        | —                | 130.4         | —               | —         | 7.6            | —         | —       | 0.6         |
| Crows 428 (2X)                 | 37.4         | 34       | —                | 110.9         | 106             | —         | 5.1            | 4         | —       | 2.5         |
| Taylor-Evans Bonus-maker (2X)  | 38.3         | 36       | —                | 120.4         | 109             | —         | 9.9            | 6         | —       | 1.8         |
| DeKalb 441                     | 38.5         | 37       | 35               | 119.9         | 101             | 105       | 1.8            | 2         | 2       | 0.0         |
| Average                        | 32.4         | 31       | 29               | 119.9         | 105             | 100       | 10.2           | 7         | 7       | 2.3         |
| Range                          | 26.6 to 38.5 | 24 to 37 | 23 to 35         | 97.0 to 136.8 | 88 to 122       | 86 to 113 | 1.8 to 20.6    | 2 to 13   | 2 to 16 | 0.0 to 18.4 |

Table 7 — OTTAWA COUNTY (Continued)

| Hybrid                       | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |
|------------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|
|                              | 2          | 3         | 2                | 3         | 2               | 3         | 1967           |
|                              | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. |                |
| Least significant difference | 1.6        | 1 1       | 10.4             | 5 4       |                 |           |                |

\* Significantly better than average yield in 1967.

|               | 1967       | 1966            | 1965               |
|---------------|------------|-----------------|--------------------|
| Planted       | May 25     | May 26          | May 7              |
| Harvested     | Nov. 21    | Nov. 3          | Oct. 30            |
| Previous Crop | Corn       | Corn            | Corn               |
| Rows          | 36"        | 36"             | 36"                |
| Population    | 17,800     | 16,900          | 15,000             |
| Fertilizer    | 140-64-32  | 144-96-48       | Manure, 133-115-80 |
| Soil test: pH | 6.2        | 6.9             | 6.9                |
| P             | 65 (high)  | 77 (high)       | 122 (very high)    |
| K             | 277 (high) | 352 (very high) | 342 (very high)    |

Farm Cooperator: Marvin Patmos, Jamestown  
County Agricultural Agent: Richard Machiele, Grand Haven

Table 8 — SHIAWASSEE COUNTY (Continued)

| Hybrid                        | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |
|-------------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|
|                               | 1967       | 2 yrs.    | 1967             | 2 yrs.    | 1967            | 2 yrs.    | Lodging        |
|                               | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. |                |
| P.A.G. 45                     | 30.7       | 28        | 129.4            | 112       | 5.4             | 5         | 5.4            |
| Pioneer 385                   | 30.7       | 28        | 130.8            | 112       | 1.9             | 1         | 0.0            |
| Michigan 430                  | 30.9       | 29        | 125.7            | 111       | 1.2             | 3         | 0.0            |
| DeKalb XL 315 (3X)            | 31.0       | 28        | 118.0            | 104       | 3.0             | 2         | 0.0            |
| Michigan 425                  | 31.0       | 30        | 122.0            | 116       | 0.0             | 1         | 0.0            |
| Michigan 550                  | 31.0       | 29        | 139.0            | 133       | 1.8             | 2         | 1.8            |
| DeKalb XL 15 (2X)             | 31.1       | 28        | 130.5            | 115       | 1.9             | 2         | 0.0            |
| Funk Bros. G 18 A             | 31.1       | 28        | 123.4            | 115       | 3.6             | 2         | 1.2            |
| Northrup King PX 525 (Sp)*    | 31.1       | —         | 156.8            | —         | 2.4             | —         | 0.0            |
| Tomco 2600 (2X)               | 31.2       | —         | 130.1            | —         | 0.0             | —         | 0.0            |
| Wolverine W 135 (2X)          | 31.2       | 29        | 104.2            | 91        | 0.0             | 1         | 0.0            |
| Northrup King PX 527 (3X)*    | 31.3       | 29        | 143.6            | 127       | 0.6             | 2         | 0.0            |
| Michigan 500-2X (2X)*         | 31.3       | 30        | 157.8            | 143       | 1.2             | 2         | 0.0            |
| Haapala H 508                 | 31.6       | —         | 125.3            | —         | 0.6             | —         | 0.0            |
| Pride R 407 (2X)              | 31.7       | —         | 136.1            | —         | 1.8             | —         | 0.0            |
| DeKalb XL 45 (2X)             | 31.8       | 31        | 140.1            | 125       | 2.4             | 2         | 0.0            |
| Taylor-Evans Profitmaker (2X) | 31.8       | —         | 109.8            | —         | 1.3             | —         | 0.0            |
| Pioneer 3773 (2X)*            | 32.0       | 30        | 142.7            | 135       | 0.0             | 0         | 0.0            |
| Funk Bros. G 4350 (2X)        | 32.1       | 30        | 120.5            | 112       | 0.6             | 1         | 0.0            |
| Pioneer 3775 (2X)             | 32.3       | 30        | 134.2            | 129       | 0.6             | 1         | 0.0            |
| P.A.G. 70                     | 33.1       | —         | 131.6            | —         | 3.7             | —         | 0.0            |
| P.A.G. 272 (3X)*              | 33.2       | —         | 142.8            | —         | 0.6             | —         | 0.6            |
| Pioneer 368                   | 33.2       | 31        | 130.2            | 116       | 1.8             | 3         | 4.9            |
| DeKalb 427                    | 33.6       | 32        | 139.4            | 119       | 3.1             | 3         | 0.0            |
| Northrup King PX 50 (2X)*     | 34.2       | 32        | 149.3            | 136       | 0.6             | 2         | 0.0            |
| Haapala SX 621 (2X)           | 34.6       | 33        | 138.6            | 125       | 1.2             | 2         | 0.6            |
| Weather Master EP 50          | 34.6       | —         | 135.0            | —         | 0.6             | —         | 0.0            |
| Taylor-Evans Bonusmaker (2X)* | 35.1       | 33        | 148.9            | 123       | 1.2             | 2         | 0.0            |
| P.A.G. SX 310 (2X)            | 36.7       | —         | 119.7            | —         | 0.0             | —         | 0.0            |
| Weather Master EP 60          | 38.5       | —         | 133.6            | —         | 0.0             | —         | 0.6            |
| Average                       | 31.2       | 29        | 130.3            | 117       | 1.7             | 2         | 0.3            |
| Range                         | 25.5       | 24        | 90.5             | 84        | 0.0             | 0         | 0.0            |
|                               | 38.5       | 33        | 156.8            | 143       | 5.4             | 7         | 5.4            |
| Least significant difference  | 1.5        | 1         | 12.1             | 5         |                 |           |                |

\* Significantly better than average yield in 1967.

|               | 1967         | 1966       |
|---------------|--------------|------------|
| Planted       | May 18       | May 23     |
| Harvested     | Nov. 10      | Oct. 29    |
| Soil type     | Brookston    | Brookston  |
| Previous crop | Oats         | Beans      |
| Rows          | 36"          | 36"        |
| Population    | 18,200       | 17,600     |
| Fertilizer    | 130-72-72    | 174-96-164 |
| Soil test: pH | 6.7          | 6.7        |
| P             | 79 (high)    | 57 (high)  |
| K             | 152 (medium) | 255 (high) |

Farm Cooperator: Ward Perry, Route 2, Durand.  
County Agricultural Agent: Harry Wilt, Corunna.

Table 8

Zone 2

SOUTH CENTRAL MICHIGAN  
SHIAWASSEE COUNTY TRIAL

One and Two Year Averages — 1967 and 1966

| Hybrid                    | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |
|---------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|
|                           | 1967       | 2 Yrs.    | 1967             | 2 Yrs.    | 1967            | 2 Yrs.    | Lodging        |
|                           | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. |                |
| Michigan 280              | 25.5       | —         | 131.0            | —         | 3.7             | —         | 0.0            |
| Michigan 270              | 26.0       | 24        | 122.2            | 108       | 2.5             | 3         | 0.0            |
| Pioneer 3854              | 26.1       | —         | 120.4            | —         | 5.0             | —         | 0.0            |
| Northrup King PX 446 (2X) | 26.1       | —         | 121.5            | —         | 1.8             | —         | 0.0            |
| Michigan 250              | 26.1       | 24        | 125.6            | 106       | 0.0             | 2         | 0.0            |
| Michigan 300              | 27.1       | 26        | 127.1            | 117       | 4.9             | 6         | 1.9            |
| P.A.G. SX 48 (2X)         | 27.8       | —         | 130.8            | —         | 2.5             | —         | 0.0            |
| Michigan 402-2X (2X)      | 28.1       | 27        | 139.6            | 125       | 1.8             | 1         | 0.0            |
| P.A.G. 41                 | 28.8       | —         | 127.3            | —         | 3.0             | —         | 0.0            |
| Michigan 370              | 29.1       | 27        | 126.8            | 115       | 3.8             | 4         | 0.0            |
| DeKalb XL 307 (3X)        | 29.1       | 26        | 90.5             | 84        | 1.9             | 1         | 0.9            |
| Michigan 400              | 29.3       | 28        | 119.5            | 111       | 0.6             | 1         | 0.0            |
| Funk Bros. G 10 A         | 29.5       | 28        | 134.7            | 116       | 0.0             | 2         | 0.0            |
| Taylor-Evans Hastymaker   | 29.9       | —         | 97.4             | —         | 0.6             | —         | 0.0            |
| Northrup King PX 487 (3X) | 29.9       | —         | 117.5            | —         | 1.3             | —         | 0.0            |
| Northrup King KE 497      | 30.4       | 28        | 134.3            | 122       | 1.2             | 3         | 0.0            |
| Northrup King PX 480 (Sp) | 30.5       | 28        | 134.3            | 116       | 4.1             | 7         | 0.0            |
| Funk Bros. G 17 A         | 30.5       | 28        | 123.8            | 117       | 1.2             | 2         | 0.0            |
| Michigan 463-3X (3X)*     | 30.5       | 30        | 143.4            | 130       | 0.0             | 1         | 0.0            |
| Wolverine 66 A            | 30.5       | 29        | 122.5            | 108       | 2.9             | 3         | 0.0            |
| DeKalb 59                 | 30.6       | 28        | 122.7            | 101       | 2.4             | 2         | 0.0            |

Table 9

Zone 2

**SOUTH CENTRAL MICHIGAN**  
**INGHAM COUNTY TRIAL**

One, Two, and Three Year Averages — 1967, 1966, 1965

| Hybrid                                  | % Moisture |      |      | Bushels Per Acre |       |        |       |        |       | % Stalk Lodging |       |        |       | % Root Lodging 1967 |       |       |       |
|---|------------|------|------|------------------|-------|--------|-------|--------|-------|-----------------|-------|--------|-------|---------------------|-------|-------|-------|
|   | 1967       | 2    | 3    | 1967             |       | 2 yrs. |       | 3 yrs. |       | 1967            |       | 2 yrs. |       | 3 yrs.              |       | 18900 | 24600 |
|   |            | Yrs. | Yrs. | 18900            | 24600 | 17800  | 22800 | 17000  | 21700 | 18900           | 24600 | 17800  | 22800 | 17000               | 21700 |       |       |
| Michigan 280                            | 27.5       | —    | —    | 117.9            | 136.0 | —      | —     | —      | —     | 1.1             | 0.5   | —      | —     | —                   | —     | 2.3   | 1.0   |
| Michigan 250                            | 28.4       | 28   | 29   | 117.8            | 125.7 | 106    | 108   | 85     | 88    | 0.6             | 0.0   | 1      | 3     | 1                   | 5     | 0.6   | 0.0   |
| Michigan 270                            | 29.5       | 27   | 29   | 108.2            | 116.2 | 99     | 102   | 79     | 81    | 1.7             | 1.4   | 4      | 5     | 3                   | 6     | 2.9   | 0.0   |
| Northrup King PX 446 (2X)               | 30.6       | —    | —    | 104.9            | 119.1 | —      | —     | —      | —     | 1.1             | 1.1   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Michigan 300                            | 30.7       | 30   | 31   | 106.9            | 114.6 | 98     | 99    | 77     | 79    | 0.6             | 1.1   | 2      | 4     | 1                   | 2     | 8.6   | 0.6   |
| Funk Bros. G 10 A <sup>1</sup>          | 30.8       | —    | —    | 132.6            | 128.1 | —      | —     | —      | —     | 0.6             | 4.1   | —      | —     | —                   | —     | 5.9   | 0.0   |
| P.A.G. SX 48 (2X)                       | 31.0       | 30   | —    | 117.6            | 128.5 | 113    | 117   | —      | —     | 0.0             | 0.6   | 0      | 3     | —                   | —     | 0.6   | 0.0   |
| DeKalb XL 315 (3X) <sup>1</sup>         | 31.3       | 31   | —    | 127.8            | 125.0 | 112    | 109   | —      | —     | 0.0             | 0.0   | 1      | 1     | —                   | —     | 0.6   | 0.0   |
| Funk Bros. G 17 A                       | 31.3       | 31   | 32   | 125.1            | 127.2 | 116    | 116   | 93     | 93    | 1.2             | 0.6   | 1      | 0     | 1                   | 2     | 1.2   | 0.0   |
| Michigan 370                            | 31.6       | 30   | 32   | 118.3            | 121.2 | 108    | 111   | 84     | 89    | 0.0             | 1.1   | 1      | 2     | 1                   | 2     | 5.9   | 1.1   |
| Michigan 400                            | 31.6       | 31   | 33   | 106.6            | 110.0 | 106    | 105   | 86     | 86    | 0.0             | 0.7   | 1      | 1     | 0                   | 1     | 1.3   | 5.1   |
| Taylor-Evans Hastymaker                 | 32.0       | —    | —    | 85.9             | 93.2  | —      | —     | —      | —     | 2.0             | 1.1   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Michigan 402-2X (2X) <sup>1 2</sup>     | 32.0       | 32   | 33   | 126.9            | 153.2 | 123    | 139   | 102    | 111   | 0.0             | 0.5   | 0      | 1     | 0                   | 1     | 0.0   | 0.0   |
| Funk Bros. G 18 A                       | 32.4       | —    | —    | 121.6            | 113.3 | —      | —     | —      | —     | 0.0             | 0.6   | —      | —     | —                   | —     | 1.9   | 0.0   |
| Haapala SX 520 (2X) <sup>1</sup>        | 32.5       | —    | —    | 135.8            | 133.1 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Blaney B 401 (2X)                       | 32.7       | —    | —    | 123.3            | 126.1 | —      | —     | —      | —     | 0.6             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.6   |
| Weather Master EP 30                    | 33.0       | —    | —    | 114.7            | 108.1 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 2.0   | 0.0   |
| Northrup King KE 497 <sup>2</sup>       | 33.1       | 33   | 34   | 117.6            | 137.6 | 109    | 126   | 88     | 97    | 0.0             | 1.1   | 2      | 4     | 1                   | 4     | 1.2   | 0.0   |
| Northrup King PX 480 (Sp) <sup>1</sup>  | 33.1       | 32   | —    | 131.3            | 133.2 | 113    | 110   | —      | —     | 0.6             | 1.2   | 2      | 4     | —                   | —     | 0.6   | 0.0   |
| Blaney 6606A (2X) <sup>1 2</sup>        | 33.4       | 34   | —    | 134.1            | 157.6 | 132    | 144   | —      | —     | 0.6             | 0.5   | 1      | 1     | —                   | —     | 1.7   | 0.0   |
| Funk Bros. G 4350 (2X)                  | 33.6       | —    | —    | 119.6            | 131.2 | —      | —     | —      | —     | 0.0             | 1.0   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Pioneer 3715 (3X)                       | 33.6       | —    | —    | 98.1             | 126.3 | —      | —     | —      | —     | 0.6             | 0.0   | —      | —     | —                   | —     | 3.0   | 1.2   |
| Crib Filler 22 <sup>2</sup>             | 33.6       | —    | —    | 110.1            | 137.4 | —      | —     | —      | —     | 0.0             | 0.5   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Michigan 463-3X (3X) <sup>1</sup>       | 33.8       | 35   | —    | 127.6            | 134.1 | 126    | 125   | —      | —     | 0.6             | 0.6   | 2      | 1     | —                   | —     | 0.0   | 0.0   |
| Cowbell SX 112 (2X) <sup>1</sup>        | 34.1       | 35   | —    | 131.8            | 134.8 | 117    | 119   | —      | —     | 0.0             | 0.0   | 0      | 1     | —                   | —     | 0.0   | 0.0   |
| Northrup King PX 527 (3X) <sup>1</sup>  | 34.2       | 33   | 35   | 126.4            | 134.1 | 109    | 116   | 86     | 92    | 0.6             | 1.2   | 1      | 2     | 1                   | 2     | 0.0   | 0.0   |
| Pride 495                               | 34.2       | —    | —    | 104.3            | 125.6 | —      | —     | —      | —     | 0.0             | 0.6   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Michigan 430                            | 34.4       | 34   | 35   | 116.8            | 124.0 | 108    | 111   | 86     | 90    | 1.9             | 0.9   | 2      | 2     | 1                   | 1     | 1.9   | 2.7   |
| Blaney B 500 (2X)                       | 34.4       | 33   | 34   | 98.1             | 122.1 | 99     | 116   | 84     | 92    | 1.3             | 0.6   | 2      | 1     | 1                   | 1     | 0.6   | 0.0   |
| Wolverine 66 A                          | 34.5       | —    | —    | 105.8            | 105.4 | —      | —     | —      | —     | 0.0             | 0.6   | —      | —     | —                   | —     | 1.4   | 0.0   |
| Michigan 425                            | 34.5       | 33   | 35   | 103.3            | 124.3 | 103    | 112   | 82     | 89    | 0.7             | 0.0   | 0      | 0     | 1                   | 2     | 2.7   | 0.6   |
| P.A.G. 272 (3X) <sup>2</sup>            | 34.6       | —    | —    | 116.1            | 136.9 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 2.3   | 0.6   |
| Northrup King PX 525 (Sp)               | 34.6       | —    | —    | 105.5            | 121.3 | —      | —     | —      | —     | 0.6             | 0.5   | —      | —     | —                   | —     | 0.0   | 0.5   |
| DeKalb XL 325 (3X)                      | 34.6       | 34   | 36   | 110.6            | 110.2 | 105    | 105   | 86     | 88    | 0.0             | 0.6   | 1      | 1     | 1                   | 1     | 1.2   | 0.0   |
| Blaney 6616 (3X)                        | 34.8       | 35   | —    | 117.3            | 118.7 | 115    | 113   | —      | —     | 0.0             | 0.0   | 0      | 1     | —                   | —     | 0.6   | 0.0   |
| Pioneer 3775 (2X)                       | 34.8       | 34   | 37   | 104.5            | 113.8 | 116    | 116   | 91     | 94    | 0.0             | 0.0   | 0      | 2     | 0                   | 1     | 2.6   | 0.0   |
| Northrup King PX 52 (2X) <sup>1 2</sup> | 34.8       | —    | —    | 128.5            | 140.6 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Northrup King PX 50 (2X)                | 34.9       | 36   | —    | 109.9            | 128.9 | 114    | 119   | —      | —     | 1.1             | 1.1   | 1      | 1     | —                   | —     | 0.0   | 0.0   |
| Taylor Evans Profitmaker (2X)           | 34.9       | —    | —    | 107.0            | 102.8 | —      | —     | —      | —     | 1.9             | 0.0   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Blaney B 601 (2X) <sup>1</sup>          | 35.0       | —    | —    | 138.3            | 130.0 | —      | —     | —      | —     | 0.0             | 1.3   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Michigan 500-2X (2X) <sup>2</sup>       | 35.0       | 35   | —    | 125.5            | 155.6 | 126    | 147   | —      | —     | 0.0             | 0.0   | 0      | 0     | —                   | —     | 0.0   | 0.0   |
| DeKalb XL 45 (2X)                       | 35.3       | 35   | 37   | 114.9            | 124.3 | 113    | 113   | 93     | 90    | 0.0             | 0.0   | 0      | 0     | 0                   | 0     | 0.0   | 1.1   |
| Weather Master EP 40                    | 35.3       | —    | —    | 118.1            | 114.8 | —      | —     | —      | —     | 0.0             | 1.1   | —      | —     | —                   | —     | 0.7   | 0.5   |
| Pioneer 3773 (2X) <sup>1</sup>          | 35.3       | 35   | 36   | 128.2            | 121.1 | 128    | 118   | 102    | 96    | 0.7             | 0.0   | 1      | 0     | 1                   | 1     | 0.0   | 0.0   |
| Migro M 12 SX (2X)                      | 35.4       | —    | —    | 121.6            | 131.0 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Michigan 570                            | 35.5       | 37   | 38   | 106.2            | 122.7 | 105    | 109   | 83     | 88    | 1.0             | 0.0   | 1      | 2     | 1                   | 2     | 0.0   | 0.0   |
| Migro M 140                             | 35.6       | —    | —    | 109.8            | 110.6 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.6   | 0.0   |
| Wolverine W 175 (2X)                    | 35.6       | 37   | —    | 115.5            | 136.0 | 109    | 116   | —      | —     | 0.6             | 0.5   | 1      | 1     | —                   | —     | 0.0   | 0.5   |
| Michigan 550                            | 35.7       | 35   | 36   | 112.0            | 130.0 | 111    | 118   | 93     | 96    | 0.6             | 0.6   | 0      | 1     | 0                   | 1     | 1.9   | 0.0   |
| Pioneer 368                             | 36.0       | 35   | 36   | 117.4            | 116.8 | 106    | 100   | 86     | 84    | 0.0             | 0.0   | 0      | 1     | 1                   | 1     | 6.9   | 0.0   |
| Cowbell SX 107 (2X)                     | 36.0       | —    | —    | 114.1            | 115.2 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Crib Filler 40 (2X)                     | 36.3       | —    | —    | 92.4             | 85.8  | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Haapala SX 626 (2X)                     | 36.5       | 35   | —    | 115.4            | 130.2 | 119    | 131   | —      | —     | 0.0             | 0.6   | 1      | 0     | —                   | —     | 8.6   | 0.0   |
| Taylor-Evans Bonusmaker (2X)            | 36.6       | 38   | —    | 125.1            | 135.7 | 114    | 112   | —      | —     | 0.0             | 1.1   | 0      | 2     | —                   | —     | 0.6   | 0.0   |
| Supercrost 2570                         | 36.6       | 36   | 38   | 107.3            | 119.4 | 105    | 109   | 84     | 89    | 1.2             | 2.4   | 2      | 2     | 1                   | 2     | 2.5   | 1.8   |
| P.A.G. 70                               | 36.8       | —    | —    | 106.8            | 115.2 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 2.4   | 2.5   |
| Migro M 22 SX (2X) <sup>1</sup>         | 37.0       | —    | —    | 126.3            | 125.6 | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 1.7   | 0.0   |
| Pride 568                               | 37.0       | —    | —    | 85.3             | 94.5  | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —                   | —     | 0.0   | 0.0   |
| Pioneer 371                             | 37.0       | 37   | 38   | 109.1            | 110.1 | 107    | 102   | 82     | 80    | 0.0             | 0.0   | 0      | 1     | 1                   | 1     | 3.6   | 1.8   |
| DeKalb XL 344 (3X)                      | 37.1       | —    | —    | 92.2             | 94.0  | —      | —     | —      | —     | 0.0             | 0.6   | —      | —     | —                   | —     | 1.2   | 2.3   |
| Michigan 490                            | 37.3       | 39   | 40   | 97.5             | 114.5 | 104    | 106   | 83     | 85    | 0.0             | 0.0   | 0      | 1     | 1                   | 1     | 0.6   | 0.0   |
| Michigan 620                            | 38.5       | 39   | 40   | 103.3            | 108.7 | 104    | 100   | 84     | 84    | 0.0             | 0.0   | 0      | 2     | 0                   | 2     | 3.5   | 0.7   |

Table 9 — INGHAM COUNTY (Continued)

| Hybrid                               | % Moisture  |           |           | Bushels Per Acre |              |            |            |           |           | % Stalk Lodging |            |          |          | % Root Lodging 1967 |          |            |            |
|--------------------------------------|-------------|-----------|-----------|------------------|--------------|------------|------------|-----------|-----------|-----------------|------------|----------|----------|---------------------|----------|------------|------------|
|                                      | 1967        | 2         | 3         | 1967             |              | 2 yrs.     |            | 3 yrs.    |           | 1967            |            | 2 yrs.   |          | 3 yrs.              |          | 18900      | 24600      |
|                                      |             | Yrs.      | Yrs.      | 18900            | 24600        | 17800      | 22800      | 17000     | 21700     | 18900           | 24600      | 17800    | 22800    | 17000               | 21700    |            |            |
| Supercrost S 30 A (2X)               | 38.5        | 37        | —         | 99.5             | 116.7        | 112        | 121        | —         | —         | 0.0             | 0.0        | 1        | 1        | —                   | —        | 0.0        | 0.0        |
| Pride A 40                           | 39.8        | —         | —         | 94.1             | 85.2         | —          | —          | —         | —         | 0.0             | 0.0        | —        | —        | —                   | —        | 2.6        | 0.6        |
| <b>Average</b>                       | <b>34.3</b> | <b>34</b> | <b>35</b> | <b>113.8</b>     | <b>123.3</b> | <b>111</b> | <b>115</b> | <b>87</b> | <b>90</b> | <b>0.5</b>      | <b>0.6</b> | <b>1</b> | <b>2</b> | <b>1</b>            | <b>2</b> | <b>1.3</b> | <b>0.4</b> |
| <b>Range</b>                         | <b>27.5</b> | <b>27</b> | <b>29</b> | <b>85.3</b>      | <b>85.2</b>  | <b>98</b>  | <b>99</b>  | <b>77</b> | <b>79</b> | <b>0.0</b>      | <b>0.0</b> | <b>0</b> | <b>0</b> | <b>0</b>            | <b>0</b> | <b>0.0</b> | <b>0.0</b> |
|                                      | to          | to        | to        | to               | to           | to         | to         | to        | to        | to              | to         | to       | to       | to                  | to       | to         | to         |
|                                      | 39.8        | 39        | 40        | 138.3            | 157.6        | 132        | 147        | 102       | 111       | 2.0             | 4.1        | 4        | 5        | 3                   | 6        | 8.6        | 5.1        |
| <b>Least significant differences</b> | <b>1.8</b>  | <b>1</b>  | <b>1</b>  | <b>12.6</b>      | <b>13.1</b>  | <b>6</b>   | <b>6</b>   | <b>4</b>  | <b>4</b>  |                 |            |          |          |                     |          |            |            |

1 — Significantly better than average at 18,900 population in 1967.

2 — Significantly better than average at 24,600 population in 1967.

|               | 1967                                       | 1966  | 1965  |
|---------------|--|---|---|
| Planted       | May 16                                     | May 21                                      | May 5                                       |
| Harvested     | Oct. 14                                    | Oct. 12                                     | Oct. 12                                     |
| Soil type     | Conover clay loam                          | Conover clay loam                           | Conover clay loam                           |
| Previous crop | Corn                                       | Corn  | Corn  |
| Population    | 18,400 and 24,600                          | 17,200 and 21,000                           | 15,400 and 19,600                           |
| Rows          | 36 <sup>1</sup>                            | 36 <sup>1</sup>                             | 36 <sup>1</sup>                             |
| Fertilizer    | 18,900 — 150-60-60<br>24,600 — 252-104-104 | 17,200 — 150-60-210<br>21,000 — 245-175-325 | 15,400 — 140-80-190<br>19,600 — 410-270-360 |
| Soil test: pH | 6.6  | 6.3   | 6.7   |
| P             | 99 (high)                                  | 63 (high)                                   | 51 (high)                                   |
| K             | 275 (high)                                 | 293 (high)                                  | 205 (high)                                  |

Farm Cooperator: Michigan State University, East Lansing

Table 10

**SOUTH CENTRAL MICHIGAN  
(MUCK SOIL) CLINTON COUNTY TRIAL  
One, Two, and Three Year Averages —  
1967, 1966, 1965**

Zone 2

| Hybrid                        | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |           |     |     |
|-------------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|-----------|-----|-----|
|                               | 2          | 3         | 2                | 3         | 2               | 3         | 2              | 3         |     |     |
|                               | 1967 yrs.  | 1967 yrs. | 1967 yrs.        | 1967 yrs. | 1967 yrs.       | 1967 yrs. | 1967 yrs.      | 1967 yrs. |     |     |
| Michigan 200*                 | 23.5       | —         | 77.3             | 75        | —               | 7.7       | 5              | —         | 0.0 |     |
| A.E.S. 202                    | 23.8       | 23        | 26               | 62.3      | 63              | 53        | 13.5           | 7         | 9   | 0.6 |
| Michigan 270*                 | 25.4       | 25        | 28               | 84.7      | 79              | 66        | 14.3           | 8         | 9   | 0.0 |
| Northrup King PX 446<br>(3X)* | 26.4       | —         | —                | 83.0      | —               | —         | 5.3            | —         | —   | 0.0 |
| Michigan 280*                 | 26.8       | —         | —                | 83.3      | —               | —         | 8.8            | —         | —   | 0.0 |
| Pioneer 3854                  | 26.8       | —         | —                | 70.3      | —               | —         | 9.3            | —         | —   | 0.0 |
| Pioneer 388*                  | 27.5       | 26        | 30               | 78.0      | 83              | 66        | 29.7           | 15        | 15  | 0.7 |
| Michigan 250                  | 27.6       | 26        | 30               | 73.5      | 77              | 65        | 13.0           | 7         | 7   | 0.0 |
| Blaney B401 (2X)*             | 27.7       | —         | —                | 80.6      | —               | —         | 5.6            | —         | —   | 0.0 |
| Blaney B330 (3X)              | 28.1       | —         | —                | 67.6      | —               | —         | 7.2            | —         | —   | 0.0 |
| Northrup King X122 (2X)       | 29.2       | —         | —                | 67.5      | —               | —         | 8.8            | —         | —   | 0.7 |
| Blaney B44A (3X)              | 29.5       | —         | —                | 63.1      | —               | —         | 13.4           | —         | —   | 0.0 |
| Pride R2 (2X)                 | 29.6       | —         | —                | 61.3      | —               | —         | 19.7           | —         | —   | 0.0 |
| Michigan 300*                 | 30.2       | 28        | 32               | 79.3      | 80              | 68        | 7.5            | 8         | 8   | 0.7 |
| Pride 305                     | 30.3       | —         | —                | 69.8      | —               | —         | 8.7            | —         | —   | 0.0 |
| Funk Bros. G10A               | 30.6       | 29        | 33               | 69.6      | 73              | 58        | 12.2           | 7         | 8   | 0.0 |
| Michigan 370                  | 30.7       | 28        | 32               | 60.4      | 78              | 66        | 13.0           | 7         | 6   | 0.0 |
| Michigan 400*                 | 30.7       | 29        | 33               | 78.4      | 83              | 68        | 1.9            | 2         | 1   | 0.0 |
| Weather Master EP30*          | 31.5       | —         | —                | 76.0      | —               | —         | 4.8            | —         | —   | 0.0 |
| Taylor-Evans Hastymaker       | 31.6       | —         | —                | 49.3      | —               | —         | 7.6            | —         | —   | 0.7 |
| Michigan 402-2X (2X)          | 31.6       | 29        | 34               | 75.5      | 89              | 71        | 19.9           | 10        | 9   | 0.0 |
| DeKalb XL 315 (3X)            | 31.7       | 30        | 34               | 65.3      | 70              | 62        | 25.8           | 14        | 10  | 0.0 |
| Michigan 430                  | 32.1       | 31        | 36               | 65.9      | 76              | 62        | 5.5            | 4         | 5   | 1.4 |
| Haapala H 1301                | 32.2       | —         | —                | 75.2      | —               | —         | 16.3           | —         | —   | 0.0 |
| Michigan 500-2X (2X)          | 32.3       | 31        | —                | 75.8      | 94              | —         | 8.1            | 5         | —   | 0.6 |
| Michigan 550                  | 32.3       | 31        | 36               | 74.7      | 87              | 68        | 4.0            | 2         | 3   | 0.0 |
| Weather Master EP 40          | 32.5       | —         | —                | 64.1      | —               | —         | 13.4           | —         | —   | 1.5 |
| Michigan 425                  | 32.5       | 32        | 36               | 68.3      | 85              | 64        | 3.9            | 3         | 5   | 0.7 |

Table 10 — CLINTON COUNTY (Continued)

| Hybrid                              | % Moisture  |           | Bushels Per Acre |             | % Stalk Lodging |           | % Root Lodging |           |          |            |
|-------------------------------------|-------------|-----------|------------------|-------------|-----------------|-----------|----------------|-----------|----------|------------|
|                                     | 2           | 3         | 2                | 3           | 2               | 3         | 2              | 3         |          |            |
|                                     | 1967 yrs.   | 1967 yrs. | 1967 yrs.        | 1967 yrs.   | 1967 yrs.       | 1967 yrs. | 1967 yrs.      | 1967 yrs. |          |            |
| Michigan 463-3X (3X)                | 32.6        | —         | —                | 71.2        | —               | —         | 12.5           | —         | —        | 0.0        |
| Funk Bros. G 17A                    | 32.8        | 31        | 34               | 71.8        | 79              | 68        | 15.2           | 9         | 8        | 0.6        |
| P.A.G. 45                           | 32.9        | 30        | 34               | 75.6        | 88              | 67        | 20.5           | 11        | 9        | 0.0        |
| Northrup King PX527 (3X)            | 32.9        | 31        | 35               | 66.7        | 87              | 72        | 15.4           | 8         | 6        | 0.0        |
| Northrup King PX480 (Sp)            | 33.1        | 30        | —                | 75.6        | 78              | —         | 20.5           | 11        | —        | 0.0        |
| Northrup King PX525 (Sp)            | 33.1        | —         | —                | 74.5        | —               | —         | 9.6            | —         | —        | 1.3        |
| DeKalb XL 325 (3X)                  | 33.6        | 32        | 36               | 63.6        | 75              | 60        | 9.5            | 5         | 6        | 2.7        |
| Funk Bros. G4350 (2X)               | 33.8        | —         | —                | 64.1        | —               | —         | 11.7           | —         | —        | 0.0        |
| Northrup King KE 497*               | 34.1        | 32        | 36               | 79.3        | 84              | 68        | 7.4            | 5         | 5        | 0.0        |
| DeKalb XL 45 (2X)                   | 34.2        | 32        | —                | 58.3        | 80              | —         | 10.1           | 6         | —        | 0.7        |
| Haapala SX 621 (2X)*                | 34.7        | 33        | —                | 78.0        | 92              | —         | 14.2           | 7         | —        | 0.0        |
| Blaney 6606A (2X)*                  | 34.7        | 32        | —                | 81.4        | 96              | —         | 4.4            | 4         | —        | 0.0        |
| Supercrost 2610                     | 34.9        | 31        | 36               | 70.6        | 89              | 72        | 5.6            | 4         | 3        | 0.0        |
| Taylor-Evans Profit-<br>maker (2X)  | 36.3        | —         | —                | 67.2        | —               | —         | 4.5            | —         | —        | 0.0        |
| Pioneer 3775 (2X)                   | 36.3        | —         | —                | 52.4        | —               | —         | 7.5            | —         | —        | 0.0        |
| Pioneer 3773 (2X)                   | 36.9        | 33        | 37               | 57.7        | 86              | 66        | 7.4            | 4         | 4        | 0.0        |
| Taylor-Evans Bonus-<br>maker (2X)   | 38.3        | 35        | —                | 44.9        | 77              | —         | 25.3           | 13        | —        | 0.7        |
| Supercrost S 30A (2X)               | 38.6        | 36        | —                | 44.4        | 74              | —         | 17.1           | 10        | —        | 0.0        |
| Michigan 490                        | 39.1        | 36        | 39               | 45.1        | 70              | 58        | 14.2           | 11        | 10       | 0.0        |
| <b>Average</b>                      | <b>32.2</b> | <b>30</b> | <b>34</b>        | <b>67.7</b> | <b>81</b>       | <b>65</b> | <b>11.6</b>    | <b>7</b>  | <b>7</b> | <b>0.4</b> |
| <b>Range</b>                        | <b>23.5</b> | <b>23</b> | <b>26</b>        | <b>44.4</b> | <b>63</b>       | <b>53</b> | <b>1.9</b>     | <b>2</b>  | <b>1</b> | <b>0.0</b> |
|                                     | to          | to        | to               | to          | to              | to        | to             | to        | to       | to         |
|                                     | 39.1        | 36        | 39               | 88.3        | 96              | 72        | 29.7           | 15        | 15       | 2.7        |
| <b>Least significant difference</b> | <b>1.6</b>  | <b>1</b>  | <b>1</b>         | <b>8.3</b>  | <b>5</b>        | <b>4</b>  |                |           |          |            |

\* Significantly better than average yield in 1967.

|               | 1967            | 1966            | 1965            |
|---------------|-----------------|-----------------|-----------------|
| Planted       | May 18          | May 17          | May 20          |
| Harvested     | Nov. 18         | Oct. 20         | Oct. 13         |
| Previous crop | Corn            | Corn            | Corn            |
| Population    | 18,100          | 16,800          | 15,700          |
| Rows          | 36 <sup>1</sup> | 36 <sup>1</sup> | 36 <sup>1</sup> |
| Fertilizer    | 50-100-50       | 23-90-90        | 25-100-100      |

Cooperator: Robert Gillespie, M.S.U. Muck Soil Experimental Farm, Laingsburg

Table 11

Zone 2

**SOUTH CENTRAL MICHIGAN  
IRRIGATED TRIAL — SAGINAW COUNTY**  
Prairie Farm  
One Year — 1967

| Hybrid                     | % Moisture | Bushels Per Acre | % Stalk Lodging | % Root Lodging |
|----------------------------|------------|------------------|-----------------|----------------|
| Asgrow ATC 35 (3X)         | 21.9       | 68.6             | 3.7             | 0.0            |
| Michigan 270               | 22.4       | 87.3             | 5.3             | 0.0            |
| Pioneer 3854               | 23.1       | 75.6             | 2.4             | 0.0            |
| Michigan 280               | 23.4       | 105.0            | 1.2             | 0.0            |
| DeKalb XL 304 (3X)         | 24.1       | 82.0             | 5.2             | 0.0            |
| DeKalb XL 306 (3X)         | 24.2       | 98.1             | 3.0             | 0.0            |
| Michigan 300               | 24.7       | 87.7             | 4.1             | 0.0            |
| Northrup King X 122 (2X)   | 25.0       | 80.3             | 3.7             | 0.0            |
| Michigan 250               | 25.1       | 81.2             | 2.9             | 0.0            |
| Blaney B 401 (2X)          | 25.3       | 99.3             | 0.6             | 0.0            |
| Pioneer 3943 (3X)          | 25.4       | 83.2             | 3.5             | 0.0            |
| Michigan 370               | 25.8       | 101.5            | 2.4             | 0.0            |
| Blaney B 441 (3X)          | 26.0       | 100.9            | 3.6             | 0.0            |
| Taylor-Evans Hastymaker    | 26.1       | 58.7             | 6.1             | 2.4            |
| Northrup King PX 446 (2X)  | 26.3       | 87.4             | 1.2             | 0.0            |
| Michigan 400               | 26.4       | 94.4             | 0.7             | 0.0            |
| Funk Bros. G 10 A          | 26.5       | 84.4             | 5.1             | 0.0            |
| Northrup King PX 480 (Sp)* | 26.5       | 111.4            | 4.8             | 0.6            |
| Northrup King KE 449       | 26.5       | 88.9             | 9.9             | 0.0            |
| Michigan 402-2X (2X)*      | 26.6       | 111.2            | 2.9             | 0.0            |
| Michigan 463-3X (3X)*      | 26.6       | 119.9            | 3.5             | 0.0            |
| Funk Bros G 18 A           | 26.7       | 86.0             | 0.6             | 0.0            |
| Weather Master EP 30       | 26.8       | 89.1             | 3.6             | 2.2            |
| Funk Bros. G 17 A          | 26.9       | 95.5             | 1.8             | 0.6            |
| DeKalb XL 15 (2X)          | 27.0       | 94.8             | 3.0             | 0.0            |
| Pioneer 3675               | 27.0       | 102.8            | 2.4             | 2.4            |
| Michigan 430               | 27.2       | 98.2             | 0.0             | 3.6            |
| Michigan 425               | 27.4       | 97.4             | 4.1             | 1.2            |
| Wolverine 61               | 27.8       | 91.5             | 2.3             | 0.6            |
| Northrup King PX 525 (Sp)  | 27.9       | 104.5            | 3.6             | 0.0            |
| Pioneer 3773 (2X)          | 28.1       | 92.6             | 0.6             | 0.6            |
| Pioneer 3715 (3X)*         | 28.3       | 114.2            | 2.4             | 0.6            |
| Funk Bros. G 4350 (2X)     | 28.5       | 104.8            | 4.1             | 0.0            |
| Garro S 95 (2X)            | 28.6       | 105.8            | 0.6             | 0.0            |

Table 11 — SAGINAW COUNTY (Continued)

| Hybrid                        | % Moisture   | Bushels Per Acre | % Stalk Lodging | % Root Lodging |
|-------------------------------|--------------|------------------|-----------------|----------------|
| DeKalb 409                    | 28.9         | 91.9             | 4.0             | 0.6            |
| DeKalb 224                    | 29.0         | 100.7            | 4.1             | 0.0            |
| Pioneer 368                   | 29.1         | 95.7             | 2.3             | 0.0            |
| Northrup King PX 527 (3X)     | 29.2         | 103.7            | 1.2             | 0.0            |
| Northrup King PE 497          | 29.2         | 103.5            | 6.5             | 0.0            |
| P.A.G. 70                     | 29.3         | 107.6            | 4.7             | 0.0            |
| Pride R 407 (2X)*             | 29.4         | 112.5            | 0.6             | 0.0            |
| Michigan 500-2X (2X)*         | 29.6         | 129.3            | 1.2             | 0.0            |
| Michigan 550                  | 29.6         | 105.9            | 4.1             | 0.6            |
| Taylor-Evans Profitmaker (2X) | 30.1         | 73.1             | 2.4             | 0.0            |
| Jacques JX 1052 (2X)          | 30.2         | 102.2            | 1.7             | 0.0            |
| Michigan 490                  | 30.2         | 92.5             | 5.4             | 0.0            |
| DeKalb XL 325 (3X)*           | 30.3         | 109.9            | 0.6             | 0.0            |
| Weather Master EPX-6 (2X)*    | 31.0         | 118.1            | 1.7             | 0.0            |
| Supercrost S 268 (2X)         | 31.2         | 85.3             | 2.3             | 0.0            |
| Northrup King PX 44 (2X)      | 31.4         | 89.8             | 2.9             | 1.2            |
| Pioneer 3775 (2X)             | 31.8         | 96.9             | 3.6             | 0.0            |
| Supercrost S 35 (2X)          | 31.8         | 101.1            | 3.1             | 0.6            |
| Wolverine W 175 (2X)*         | 31.8         | 132.3            | 2.9             | 0.0            |
| Michigan 570                  | 31.9         | 93.3             | 1.4             | 0.0            |
| Wolverine 69                  | 31.9         | 98.7             | 0.6             | 0.0            |
| DeKalb XL 45 (2X)             | 32.0         | 101.8            | 0.6             | 0.0            |
| Pride R 450 (2X)*             | 32.3         | 125.7            | 3.0             | 0.0            |
| Funk Bros. G 4390 (3X)        | 32.5         | 90.9             | 3.0             | 0.0            |
| Michigan 620                  | 34.5         | 80.7             | 3.5             | 1.2            |
| Average                       | 28.8         | 99.0             | 2.9             | 0.4            |
| Range                         | 21.9 to 34.5 | 58.7 to 132.3    | 0.0 to 9.9      | 0.0 to 3.6     |
| Least significant difference  | 1.5          | 10.8             |                 |                |

\*Significantly better than average yield.

Planted — May 2  
Soil type — Brookston  
Rows — 28'  
Fertilizer — 196-150-120 + 1% zinc and trace manganese + Trell  
Soil test: pH — 7.7, P — 42 (high), K — 485 (very high)  
Irrigation: 1 inch August 4 and 1 inch August 20  
Farm Cooperator: Ed Brabant,  
County Agricultural Agent: Ray Vasold, Saginaw

Table 12

Zone 3

**NORTH CENTRAL MICHIGAN  
SAGINAW COUNTY TRIAL**  
One, Two, and Three Year Averages — 1967, 1966, 1965

| Hybrid                    | % Moisture |        |        | Bushels Per Acre |       |        |       |        |       | % Stalk Lodging |       |        |       | % Root Lodging |       |       |       |
|---------------------------|------------|--------|--------|------------------|-------|--------|-------|--------|-------|-----------------|-------|--------|-------|----------------|-------|-------|-------|
|                           | 1967       | 2 Yrs. | 3 Yrs. | 1967             |       | 2 yrs. |       | 3 yrs. |       | 1967            |       | 2 yrs. |       | 3 yrs.         |       |       |       |
|                           |            |        |        | 17200            | 22000 | 16900  | 21400 | 16300  | 20600 | 17200           | 22000 | 16900  | 21400 | 16300          | 20600 | 17200 | 22000 |
| Michigan 270              | 24.6       | 22     | 21     | 98.4             | 91.5  | 78     | 74    | 73     | 72    | 3.9             | 2.9   | 4      | 4     | 4              | 4     | 0.0   | 0.0   |
| Michigan 250              | 24.9       | 24     | 23     | 100.5            | 97.1  | 79     | 76    | 75     | 73    | 1.9             | 1.9   | 2      | 5     | 2              | 4     | 0.0   | 0.5   |
| Pioneer 3854              | 25.5       | —      | —      | 91.6             | 88.0  | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 280              | 25.6       | —      | —      | 111.0            | 100.6 | —      | —     | —      | —     | 1.2             | 1.9   | —      | —     | —              | —     | 0.6   | 0.5   |
| Asgrow ATC 35 (3X)        | 26.0       | —      | —      | 92.5             | 96.8  | —      | —     | —      | —     | 1.2             | 0.9   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 300              | 26.0       | 25     | 24     | 97.4             | 94.9  | 80     | 75    | 74     | 73    | 2.5             | 3.4   | 4      | 6     | 4              | 4     | 0.6   | 0.0   |
| Northrup King PX 446 (3X) | 26.2       | —      | —      | 101.6            | 104.8 | —      | —     | —      | —     | 3.2             | 0.5   | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb XL 304 (3X)        | 26.2       | 25     | —      | 102.4            | 97.2  | 83     | 79    | —      | —     | 1.2             | 0.5   | 6      | 2     | —              | —     | 0.0   | 0.0   |
| Northrup King X 122 (2X)  | 26.4       | —      | —      | 104.0            | 98.7  | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| Pioneer 3943 (3X)         | 26.8       | —      | —      | 90.0             | 90.2  | —      | —     | —      | —     | 1.3             | 2.0   | —      | —     | —              | —     | 0.7   | 0.0   |
| Northrup King KE 449      | 26.8       | 25     | —      | 98.6             | 100.1 | 76     | 74    | —      | —     | 2.0             | 3.8   | 7      | 10    | —              | —     | 0.0   | 0.0   |
| Taylor-Evans Hastymaker   | 26.9       | —      | —      | 86.8             | 91.8  | —      | —     | —      | —     | 1.4             | 0.5   | —      | —     | —              | —     | 0.0   | 0.5   |
| Blaney B 401 (2X)         | 27.0       | —      | —      | 112.1            | 102.9 | —      | —     | —      | —     | 0.0             | 1.4   | —      | —     | —              | —     | 0.0   | 0.0   |
| Funk Bros. G 10 A         | 27.3       | —      | —      | 103.7            | 94.9  | —      | —     | —      | —     | 0.0             | 2.3   | —      | —     | —              | —     | 0.0   | 0.0   |

Table 12 — SAGINAW COUNTY (Continued)

| Hybrid                                   | % Moisture |        |        | Bushels Per Acre |       |        |       |        |       | % Stalk Lodging |       |        |       | % Root Lodging |       |       |       |
|--|------------|--------|--------|------------------|-------|--------|-------|--------|-------|-----------------|-------|--------|-------|----------------|-------|-------|-------|
|  | 1967       | 2 Yrs. | 3 Yrs. | 1967             |       | 2 yrs. |       | 3 yrs. |       | 1967            |       | 2 yrs. |       | 3 yrs.         |       | 1967  |       |
|  |            |        |        | 17200            | 22000 | 16900  | 21400 | 16300  | 20600 | 17200           | 22000 | 16900  | 21400 | 16300          | 20600 | 17200 | 22000 |
| DeKalb XL 306 (3X) <sup>2</sup>          | 27.5       | 26     | —      | 109.0            | 120.8 | 86     | 91    | —      | —     | 0.6             | 0.9   | 2      | 3     | —              | —     | 0.0   | 0.0   |
| Blaney B 441 (3X)                        | 27.6       | 26     | —      | 107.5            | 110.6 | 90     | 88    | —      | —     | 1.9             | 1.4   | 1      | 2     | —              | —     | 0.0   | 0.5   |
| Pioneer 3675                             | 28.3       | 28     | 28     | 106.3            | 98.7  | 87     | 74    | —      | —     | 1.9             | 1.9   | 1      | 2     | —              | —     | 0.0   | 0.9   |
| Michigan 370                             | 28.3       | 27     | 26     | 109.3            | 100.0 | 87     | 83    | 82     | 80    | 1.2             | 2.4   | 1      | 3     | 1              | 2     | 0.6   | 0.0   |
| Michigan 402-2X (2X) <sup>2</sup>        | 28.4       | 27     | 26     | 120.7            | 125.8 | 95     | 93    | 90     | 91    | 0.0             | 1.4   | 0      | 1     | 0              | 1     | 0.0   | 0.0   |
| Funk Bros. G 17 A                        | 28.8       | —      | —      | 101.9            | 102.7 | —      | —     | —      | —     | 3.8             | 1.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 400                             | 28.9       | 27     | 26     | 105.0            | 108.1 | 83     | 85    | 81     | 82    | 2.2             | 2.1   | 2      | 4     | 1              | 4     | 1.4   | 0.5   |
| DeKalb XL 15 (2X)                        | 29.4       | 28     | 26     | 119.4            | 109.2 | 87     | 80    | 82     | 71    | 1.3             | 3.7   | 5      | 10    | 4              | 7     | 0.0   | 0.5   |
| Northrup King PX 480 (Sp)                | 29.4       | 27     | —      | 115.6            | 111.3 | 79     | 76    | —      | —     | 1.9             | 3.8   | 2      | 12    | —              | —     | 0.0   | 0.0   |
| Taylor-Evans Profitmaker (2X)            | 29.4       | —      | —      | 106.2            | 104.2 | —      | —     | —      | —     | 0.0             | 0.5   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 463-3X (3X) <sup>1 2</sup>      | 29.4       | 30     | 28     | 123.7            | 119.7 | 95     | 91    | 91     | 90    | 0.6             | 0.5   | 1      | 3     | 1              | 2     | 0.0   | 0.0   |
| Weather Master EP 30                     | 29.5       | —      | —      | 107.6            | 108.2 | —      | —     | —      | —     | 0.6             | 0.5   | —      | —     | —              | —     | 0.0   | 0.0   |
| Wolverine 61                             | 29.5       | 28     | —      | 114.0            | 97.9  | 88     | 82    | —      | —     | 1.8             | 2.0   | 3      | 4     | —              | —     | 0.0   | 0.5   |
| Pioneer 368                              | 29.8       | 29     | 27     | 113.4            | 106.7 | 85     | 78    | 84     | 79    | 0.0             | 0.9   | 1      | 3     | 0              | 2     | 0.0   | 0.5   |
| Northrup King PX 525 (Sp) <sup>1</sup>   | 29.8       | —      | —      | 124.8            | 106.6 | —      | —     | —      | —     | 0.6             | 0.5   | —      | —     | —              | —     | 0.6   | 0.0   |
| Northrup King PX 527 (3X) <sup>2</sup>   | 29.8       | 28     | 27     | 121.6            | 117.0 | 98     | 94    | 91     | 84    | 1.8             | 0.9   | 2      | 4     | 1              | 3     | 0.0   | 0.0   |
| Michigan 430                             | 29.8       | 28     | 27     | 114.6            | 101.6 | 92     | 79    | 84     | 76    | 5.1             | 2.1   | 4      | 4     | 3              | 4     | 1.3   | 0.0   |
| Michigan 550                             | 29.9       | 28     | 27     | 117.9            | 110.1 | 95     | 84    | 88     | 81    | 0.6             | 2.8   | 1      | 3     | 1              | 3     | 0.0   | 0.0   |
| Pioneer 3715 (3X) <sup>1</sup>           | 29.9       | —      | —      | 127.5            | 107.1 | —      | —     | —      | —     | 0.0             | 1.4   | —      | —     | —              | —     | 0.6   | 0.0   |
| Funk Bros. G 18 A                        | 29.9       | 27     | 26     | 104.9            | 100.0 | 83     | 77    | 79     | 77    | 0.0             | 0.9   | 0      | 4     | 0              | 3     | 0.6   | 0.5   |
| Funk Bros. G 4350 (2X)                   | 29.9       | 28     | —      | 95.0             | 98.0  | 85     | 77    | —      | —     | 1.3             | 2.9   | 1      | 2     | —              | —     | 0.0   | 0.0   |
| Michigan 425                             | 30.0       | 28     | 27     | 109.2            | 102.7 | 89     | 87    | 83     | 80    | 1.9             | 1.1   | 3      | 3     | 3              | 2     | 0.0   | 0.0   |
| DeKalb 224                               | 30.3       | 29     | —      | 106.7            | 93.1  | 90     | 74    | —      | —     | 0.0             | 0.5   | 2      | 3     | —              | —     | 0.0   | 0.0   |
| Northrup King KE 497                     | 30.6       | 28     | 27     | 104.9            | 102.7 | 86     | 79    | 81     | 77    | 1.2             | 0.5   | 3      | 3     | 2              | 3     | 0.0   | 0.5   |
| Michigan 500-2X (2X) <sup>1 2</sup>      | 30.7       | 30     | —      | 122.9            | 121.0 | 102    | 102   | —      | —     | 1.2             | 2.3   | 1      | 2     | —              | —     | 0.0   | 0.0   |
| Pioneer 3773 (2X) <sup>2</sup>           | 30.7       | 29     | —      | 108.3            | 117.3 | 79     | 82    | —      | —     | 0.6             | 0.0   | 0      | 0     | —              | —     | 0.6   | 0.0   |
| Pioneer 3775 (2X)                        | 30.7       | —      | —      | 112.1            | 115.8 | —      | —     | —      | —     | 0.0             | 1.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb XL 325 (3X) <sup>1 2</sup>        | 30.8       | 29     | 28     | 127.6            | 122.0 | 99     | 95    | 91     | 89    | 0.0             | 0.0   | 1      | 1     | 1              | 1     | 0.0   | 0.0   |
| Supercroft S 268 (2X)                    | 30.8       | —      | —      | 95.5             | 90.9  | —      | —     | —      | —     | 0.0             | 0.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| DeKalb 409                               | 31.0       | 30     | 30     | 104.6            | 97.5  | 90     | 73    | 82     | 69    | 1.9             | 1.0   | 2      | 8     | 2              | 7     | 0.6   | 1.5   |
| Supercroft S 35 (2X)                     | 31.7       | —      | —      | 113.2            | 105.3 | —      | —     | —      | —     | 0.0             | 0.5   | —      | —     | —              | —     | 0.0   | 0.0   |
| Michigan 570                             | 31.7       | 30     | 30     | 110.4            | 97.6  | 86     | 76    | 80     | 75    | 3.4             | 4.7   | 6      | 4     | 5              | 3     | 0.0   | 0.8   |
| Garno S 95 (2X) <sup>2</sup>             | 31.8       | —      | —      | 117.2            | 117.1 | —      | —     | —      | —     | 0.6             | 0.0   | —      | —     | —              | —     | 0.0   | 0.0   |
| P.A.G. 70                                | 32.2       | 30     | 29     | 99.0             | 104.7 | 85     | 81    | 77     | 76    | 0.6             | 0.0   | 1      | 2     | 1              | 2     | 0.0   | 0.0   |
| Funk Bros. G 4390 (3X)                   | 32.5       | 32     | 30     | 108.6            | 106.4 | 85     | 82    | 78     | 78    | 0.6             | 0.5   | 3      | 3     | 2              | 3     | 0.0   | 0.0   |
| Wolverine 69                             | 32.5       | 31     | 31     | 101.2            | 94.1  | 88     | 72    | 76     | 68    | 1.2             | 0.5   | 1      | 3     | 1              | 2     | 0.0   | 0.0   |
| DeKalb XL 45 (2X)                        | 32.5       | 31     | 30     | 114.5            | 110.9 | 96     | 89    | 88     | 82    | 1.2             | 0.9   | 1      | 1     | 1              | 1     | 0.0   | 0.0   |
| Northrup King PX 44 (2X)                 | 32.7       | 32     | 29     | 119.3            | 102.1 | 100    | 86    | 91     | 83    | 0.6             | 2.0   | 1      | 1     | 1              | 1     | 0.0   | 0.5   |
| Pride R 450 (2X)                         | 32.7       | —      | —      | 116.0            | 105.7 | —      | —     | —      | —     | 3.0             | 0.9   | —      | —     | —              | —     | 0.6   | 0.0   |
| Jacques JX 1052 (2X)                     | 33.1       | —      | —      | 116.7            | 95.5  | —      | —     | —      | —     | 0.0             | 0.9   | —      | —     | —              | —     | 0.0   | 0.0   |
| Weather Master EPX-6 (2X) <sup>1 2</sup> | 33.1       | —      | —      | 122.4            | 124.2 | —      | —     | —      | —     | 3.0             | 0.9   | —      | —     | —              | —     | 0.0   | 0.0   |
| Pride R 407 (2X)                         | 33.2       | —      | —      | 121.9            | 109.6 | —      | —     | —      | —     | 0.0             | 0.5   | —      | —     | —              | —     | 0.0   | 0.0   |
| Wolverine W 175 (2X) <sup>1</sup>        | 33.7       | —      | —      | 124.1            | 114.8 | —      | —     | —      | —     | 0.6             | 0.9   | —      | —     | —              | —     | 0.0   | 0.5   |
| Michigan 490                             | 35.2       | 33     | 32     | 98.1             | 98.3  | 80     | 78    | 76     | 76    | 2.1             | 1.1   | 1      | 2     | 1              | 1     | 0.7   | 1.1   |
| Michigan 620                             | 35.8       | 33     | 33     | 95.5             | 90.5  | 79     | 70    | 77     | 70    | 2.6             | 0.6   | 2      | 0     | 1              | 1     | 2.6   | 1.1   |
| Average                                  | 30.1       | 28     | 28     | 110.1            | 105.5 | 88     | 82    | 83     | 79    | 1.1             | 1.3   | 2      | 4     | 2              | 3     | 0.2   | 0.2   |
| Range                                    | 24.6       | 22     | 21     | 86.8             | 88.0  | 76     | 70    | 73     | 68    | 0.0             | 0.0   | 0      | 0     | 0              | 1     | 0.0   | 0.0   |
|  | 35.8       | 33     | 33     | 127.6            | 125.8 | 102    | 102   | 91     | 91    | 5.1             | 4.7   | 7      | 12    | 5              | 7     | 2.6   | 1.5   |
| Least significant differences            | 1.6        | 1      | 1      | 12.1             | 11.3  | 5      | 5     | 4      | 4     |                 |       |        |       |                |       |       |       |

1 — Significantly better than average yield at 17,200 population in 1967.

2 — Significantly better than average yield at 22,000 population in 1967.

|               |                     |                     |                     |
|---------------|---------------------|---------------------|---------------------|
|               | 1967                | 1966                | 1965                |
| Planted       | May 3               | May 5               | May 5-6             |
| Harvested     | Nov. 2              | Oct. 23             | Nov. 1              |
| Soil type     | Brookston clay loam | Brookston clay loam | Brookston clay loam |
| Previous crop | Beets               | Corn                | Corn                |
| Rows          | 36"                 | 36"                 | 36"                 |
| Population    | 17,200 and 22,000   | 16,500 and 20,800   | 15,300 and 19,100   |
| Fertilizer    | 21-84-42            | 21-84-42            | 114-56-28           |
| Soil test: pH | 7.1                 | 7.1                 | 7.0                 |
| P             | 94 (high)           | 71 (high)           | 45 (high)           |
| K             | 505 (very high)     | 259 (high)          | 160 (medium)        |

Farm Cooperator: Walter Reinbold & Sons, Reese, Michigan  
County Agricultural Agent: Ray Vasold, Saginaw

Table 13

Zone 3

**NORTH CENTRAL MICHIGAN  
SANILAC COUNTY TRIAL**  
One and Two Year Averages — 1967 and 1965  
(1966 trial was not harvested)

| Hybrid                        | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root  |
|-------------------------------|------------|--------|------------------|--------|-----------------|--------|---------|
|                               | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | Lodging |
| Michigan 270                  | 29.2       | 31     | 131.4            | 103    | 4.1             | 4      | 0.7     |
| P.A.G. SX 48 (2X)*            | 30.3       | —      | 134.8            | —      | 1.4             | —      | 0.7     |
| Michigan 280*                 | 30.5       | —      | 134.6            | —      | 1.4             | —      | 0.7     |
| Wolverine 46 A                | 31.3       | 35     | 117.0            | 101    | 2.1             | 4      | 0.0     |
| Northrup King PX 446 (2X)     | 31.6       | —      | 115.1            | —      | 2.9             | —      | 0.7     |
| Michigan 250                  | 31.7       | 32     | 123.1            | 100    | 1.4             | 6      | 0.0     |
| Northrup King KE 449          | 32.1       | —      | 105.4            | —      | 2.4             | —      | 0.0     |
| Green Belt 31                 | 32.2       | —      | 131.7            | —      | 0.0             | —      | 0.8     |
| Northrup King X 122 (2X)      | 32.3       | —      | 117.9            | —      | 0.0             | —      | 0.0     |
| Green Belt 34                 | 32.3       | —      | 114.9            | —      | 1.4             | —      | 0.7     |
| Michigan 300                  | 32.4       | 33     | 119.7            | 101    | 4.7             | 4      | 2.0     |
| Pioneer 388                   | 32.4       | 33     | 129.8            | 103    | 0.7             | 6      | 0.7     |
| DeKalb 58                     | 32.7       | 35     | 90.6             | 82     | 0.8             | 8      | 1.6     |
| Pride R 2 (2X)                | 32.7       | —      | 106.9            | —      | 1.6             | —      | 0.0     |
| Jacques 900 J                 | 32.9       | 33     | 116.8            | 95     | 2.0             | 3      | 1.0     |
| Green Belt 40*                | 33.0       | 35     | 133.7            | 107    | 1.4             | 1      | 0.7     |
| Michigan 370                  | 33.1       | 35     | 129.6            | 105    | 1.6             | 4      | 1.6     |
| Green Belt SX 362 (2X)*       | 33.4       | 37     | 132.3            | 100    | 0.7             | 5      | 0.0     |
| Michigan 400                  | 33.5       | 37     | 117.0            | 101    | 0.7             | 2      | 1.4     |
| Taylor-Evans Hastymaker       | 33.6       | —      | 89.7             | —      | 3.8             | —      | 0.0     |
| P.A.G. 41                     | 33.6       | —      | 111.1            | —      | 0.7             | —      | 0.0     |
| Michigan 402-2X (2X)*         | 33.8       | 37     | 134.9            | 112    | 0.8             | 3      | 0.8     |
| Funk Bros. G 17 A             | 34.5       | 36     | 123.6            | 106    | 0.7             | 5      | 2.2     |
| Supercrost 15563              | 34.6       | —      | 112.2            | —      | 0.7             | —      | 0.0     |
| Wolverine 39                  | 34.6       | 35     | 118.7            | 102    | 0.0             | —      | 0.0     |
| Green Belt 41                 | 34.6       | —      | 130.7            | —      | 4.0             | —      | 0.0     |
| Funk Bros. G 4350 (2X)        | 34.8       | —      | 113.6            | —      | 0.7             | —      | 0.0     |
| P.A.G. 45                     | 34.9       | 36     | 115.0            | 98     | 1.5             | 4      | 3.8     |
| Northrup King PX 487 (3X)     | 35.0       | 35     | 110.3            | 98     | 6.6             | 6      | 0.0     |
| Green Belt E 16               | 35.2       | —      | 106.9            | —      | 0.0             | —      | 0.0     |
| Weather Master EP 30          | 36.0       | —      | 110.2            | —      | 0.0             | —      | 0.7     |
| Northrup King PX 480 (Sp)*    | 36.5       | —      | 137.1            | —      | 2.9             | —      | 0.0     |
| Michigan 430                  | 36.6       | 40     | 115.4            | 94     | 0.0             | 5      | 0.0     |
| Michigan 425                  | 36.9       | 41     | 118.2            | 101    | 1.5             | 2      | 0.8     |
| Northrup King PX 525 (Sp)     | 37.6       | —      | 127.2            | —      | 0.7             | —      | 0.0     |
| Michigan 463-3X (3X)          | 37.7       | —      | 129.8            | —      | 0.7             | —      | 0.0     |
| Northrup King PX 527 (3X)     | 37.8       | 42     | 131.2            | 91     | 0.0             | 3      | 0.0     |
| Michigan 550                  | 38.2       | 38     | 123.6            | 101    | 2.8             | 3      | 2.1     |
| Northrup King KE 497          | 38.3       | 40     | 119.9            | 102    | 2.1             | 3      | 0.0     |
| Michigan 570                  | 38.8       | —      | 113.9            | —      | 1.1             | —      | 6.5     |
| Michigan 490                  | 39.7       | 42     | 109.5            | 89     | 1.7             | 2      | 0.8     |
| Pioneer 3775 (2X)             | 40.0       | —      | 106.9            | —      | 2.1             | —      | 1.4     |
| Michigan 500-2X (2X)*         | 40.0       | —      | 140.3            | —      | 0.0             | —      | 0.0     |
| Pioneer 3773 (2X)             | 40.2       | —      | 130.9            | —      | 0.7             | —      | 0.7     |
| Taylor-Evans Profitmaker (2X) | 40.2       | —      | 100.3            | —      | 0.0             | —      | 0.0     |
| Supercrost S 268 (2X)         | 40.3       | —      | 109.9            | —      | 0.7             | —      | 0.0     |
| Green Belt SX 44 (2X)         | 41.0       | 43     | 108.3            | 96     | 0.0             | 2      | 0.0     |
| Pioneer 368                   | 41.2       | 41     | 104.2            | 89     | 0.7             | 0      | 2.0     |
| Average                       | 35.6       | 37     | 118.9            | 99     | 1.4             | 4      | 0.7     |

Table 13 — SANILAC COUNTY (Continued)

| Hybrid                       | % Moisture   |          | Bushels Per Acre |           | % Stalk Lodging |        | % Root     |
|------------------------------|--------------|----------|------------------|-----------|-----------------|--------|------------|
|                              | 1967         | 2 Yrs.   | 1967             | 2 Yrs.    | 1967            | 2 Yrs. | Lodging    |
| Range                        | 29.2 to 41.2 | 31 to 43 | 89.7 to 140.3    | 82 to 112 | 0.0 to 6.6      | 0 to 8 | 0.0 to 6.5 |
| Least significant difference | 2.0          | 1        | 13.5             | 5         |                 |        |            |

\* Significantly better than average yield in 1967.

|               | 1967                | 1965                |
|---------------|---------------------|---------------------|
| Planted       | May 6               | May 18              |
| Harvested     | Oct. 26             | Nov. 6              |
| Soil type     | Brookston clay loam | Brookston clay loam |
| Previous crop | Corn                | Corn                |
| Rows          | 36"                 | 36"                 |
| Population    | 17,100              | 17,500              |
| Fertilizer    | 115-60-30           | 99-55-55            |
| Soil test: pH | 6.8                 | 6.1                 |
| P             | 52 (high)           | 32 (medium)         |
| K             | 175 (medium)        | 156 (medium)        |

Farm Cooperator: Orville Orchard, Applegate.  
County Agricultural Agent: Keith Sowerby, Sandusky.

Table 14

Zone 3

**NORTH CENTRAL MICHIGAN  
GRAIN — HURON COUNTY TRIAL**  
One and Two Year Averages

| Hybrid                     | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root  |
|----------------------------|------------|--------|------------------|--------|-----------------|--------|---------|
|                            | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | Lodging |
| Michigan 270               | 29.1       | 26     | 115.4            | 92     | 5.2             | 9      | 0.0     |
| Teweles 232                | 30.4       | 27     | 111.7            | 85     | 0.6             | 6      | 0.0     |
| Northrup King KE 449       | 30.5       | 30     | 96.3             | 70     | 14.1            | 17     | 0.6     |
| Michigan 250               | 30.5       | —      | 112.2            | —      | 3.2             | —      | 0.0     |
| Green Belt 41              | 30.9       | 28     | 120.4            | 87     | 5.4             | 10     | 0.0     |
| Michigan 280*              | 31.3       | —      | 137.4            | —      | 1.9             | —      | 0.0     |
| Taylor-Evans Hastymaker    | 31.3       | —      | 93.8             | —      | 1.4             | —      | 0.0     |
| Jacques 951                | 31.4       | —      | 118.7            | —      | 7.3             | —      | 0.6     |
| Funk Bros. G 10 A          | 31.6       | 29     | 107.2            | 81     | 11.7            | 10     | 0.6     |
| Pioneer 3675               | 31.7       | 29     | 106.5            | 73     | 2.4             | 5      | 0.0     |
| Northrup King KE 477       | 31.7       | 29     | 92.5             | 84     | 18.4            | 17     | 0.0     |
| Green Belt 40              | 31.9       | 30     | 112.5            | 83     | 4.5             | 6      | 0.0     |
| Haapala SX 205 (3X)        | 31.9       | —      | 123.3            | —      | 0.6             | —      | 0.0     |
| Michigan 300               | 32.0       | 29     | 118.8            | 92     | 3.8             | 8      | 0.0     |
| Haapala H 358              | 32.3       | —      | 90.7             | —      | 4.6             | —      | 0.0     |
| Northrup King PX 480 (Sp)* | 32.7       | 31     | 134.3            | 94     | 1.8             | 12     | 0.0     |
| Wolverine 46 A             | 32.8       | 31     | 122.7            | 87     | 0.0             | 5      | 0.0     |
| Funk Bros. G 4350 (2X)*    | 32.8       | —      | 132.2            | —      | 0.0             | —      | 0.0     |
| P.A.G. 41                  | 32.9       | 28     | 120.1            | 104    | 1.8             | 8      | 0.0     |
| Funk Bros. G 18 A          | 33.1       | 30     | 108.3            | 88     | 10.3            | 12     | 0.0     |
| Northrup King X 122 (2X)   | 33.2       | —      | 111.7            | —      | 1.4             | —      | 0.0     |
| Green Belt 34              | 33.3       | 29     | 99.9             | 83     | 0.6             | 2      | 0.0     |
| Wolverine 39               | 33.4       | 29     | 101.2            | 86     | 3.6             | 5      | 0.0     |
| P.A.G. 45                  | 33.5       | 30     | 115.4            | 86     | 0.0             | 5      | 0.0     |
| Michigan 402-2X (2X)       | 33.5       | 30     | 122.9            | 99     | 3.1             | 4      | 0.0     |
| Northrup King PX 446 (2X)  | 33.6       | —      | 123.9            | —      | 0.0             | —      | 0.0     |

Table 14 — HURON COUNTY (Continued)

| Hybrid                        | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root Lodging |        |
|-------------------------------|------------|--------|------------------|--------|-----------------|--------|----------------|--------|
|                               | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | 1967           | 2 Yrs. |
| Michigan 400                  | 33.6       | 30     | 122.4            | 95     | 0.6             | 2      | 0.0            |        |
| Funk Bros. G 17 A             | 33.6       | 30     | 124.9            | 98     | 4.1             | 7      | 0.0            |        |
| Michigan 370                  | 33.7       | 30     | 103.9            | 88     | 2.5             | 6      | 0.0            |        |
| Michigan 430                  | 33.8       | 31     | 110.3            | 91     | 1.6             | 8      | 0.0            |        |
| Pioneer 3773 (2X)*            | 33.9       | 33     | 126.8            | 94     | 10.8            | 8      | 0.0            |        |
| DeKalb XL 306 (3X)            | 34.5       | 29     | 104.0            | 89     | 0.0             | 7      | 0.0            |        |
| Green Belt SX 362 (2X)*       | 34.7       | —      | 145.1            | —      | 0.0             | —      | 0.0            |        |
| DeKalb 59                     | 35.2       | 32     | 99.5             | 72     | 2.4             | 8      | 0.0            |        |
| Michigan 463-3X (3X)*         | 35.3       | 32     | 132.6            | 104    | 0.0             | 3      | 0.0            |        |
| Pride 495                     | 35.3       | —      | 99.2             | —      | 3.1             | —      | 0.0            |        |
| Michigan 425                  | 35.3       | 31     | 108.2            | 94     | 0.0             | 3      | 0.0            |        |
| Michigan 500-2X (2X)*         | 35.4       | 33     | 147.3            | —      | 0.6             | 1      | 0.0            |        |
| Pioneer 3775 (2X)             | 35.5       | —      | 115.8            | —      | 0.0             | —      | 0.0            |        |
| Green Belt 12 A               | 36.5       | —      | 105.4            | —      | 1.9             | —      | 0.0            |        |
| Green Belt 20                 | 36.8       | 33     | 118.8            | 99     | 1.2             | 6      | 0.0            |        |
| Michigan 550                  | 37.0       | 33     | 122.8            | 97     | 3.8             | 3      | 0.0            |        |
| Michigan 570                  | 37.1       | 34     | 106.0            | 92     | 1.4             | 7      | 0.0            |        |
| Taylor-Evans Profitmaker (2X) | 37.3       | —      | 116.1            | —      | 3.8             | —      | 0.0            |        |
| P.A.G. 70                     | 37.9       | 34     | 93.1             | 73     | 0.0             | 5      | 0.0            |        |
| Northrup King PX 44 (2X)      | 38.6       | 34     | 94.6             | 88     | 1.9             | 4      | 0.0            |        |
| Green Belt SX 44 (2X)         | 39.0       | 35     | 104.5            | 90     | 0.7             | 4      | 0.0            |        |

| Hybrid                       | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root Lodging |        |
|------------------------------|------------|--------|------------------|--------|-----------------|--------|----------------|--------|
|                              | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | 1967           | 2 Yrs. |
| Jacques 1052 (2X)*           | 39.1       | —      | 129.7            | —      | 0.0             | —      | 0.0            |        |
| Michigan 490                 | 39.3       | 37     | 108.7            | 89     | 0.8             | 4      | 0.0            |        |
| DeKalb XL 45 (2X)            | 39.5       | 35     | 124.5            | 98     | 0.6             | 2      | 0.0            |        |
| Average                      | 34.4       | 31     | 116.0            | 90     | 2.9             | 6      | 0.0            |        |
| Range                        | 29.1       | 26     | 90.7             | 70     | 0.0             | 1      | 0.0            |        |
|                              | 39.5       | 37     | 147.3            | 104    | 18.4            | 17     | 0.6            |        |
| Least significant difference | 1.6        | 1      | 10.8             | 5      |                 |        |                |        |

\* Significantly better than average yield in 1967.

|               | 1967        | 1966       |
|---------------|-------------|------------|
| Planted       | May 2       | May 4      |
| Harvested     | Oct. 21     | Oct. 27    |
| Soil type     | Brookston   | Brookston  |
| Previous crop | Corn        | Corn       |
| Rows          | 36"         | 36"        |
| Population    | 18,300      | 17,500     |
| Fertilizer    | 170-126-105 | 128-112-56 |
| Soil test: pH | 7.4         | 7.4        |
| P             | 83 (high)   | 63 (high)  |
| K             | 289 (high)  | 186 (high) |

Farm Cooperator: William McCrea, Bad Axe.  
County Agricultural Agent: Lee Warschefskey, Bad Axe.

Table 15

Zone 3

**NORTH CENTRAL MICHIGAN  
SILAGE — HURON COUNTY TRIAL  
One and Two Year Averages**

|                           | % Moisture in ears |        | Tons Per Acre |        |      |        | % Ears in Dry Weight |        |
|---------------------------|--------------------|--------|---------------|--------|------|--------|----------------------|--------|
|                           | 1967               | 2 yrs. | 1967          | 2 yrs. | 1967 | 2 yrs. | 1967                 | 2 yrs. |
| Northrup King KE 449      | 42.1               | 39     | 18.0          | 14.3   | 8.3  | 6.7    | 42.1                 | 49     |
| Haapala H 358             | 42.7               | —      | 14.7          | —      | 6.0  | —      | 54.8                 | —      |
| Jacques 951               | 43.1               | —      | 20.1          | —      | 7.8  | —      | 47.6                 | —      |
| Michigan 270              | 43.7               | 38     | 22.9          | 17.2   | 8.1  | 7.1    | 47.9                 | 49     |
| Teweles 232               | 44.4               | —      | 18.5          | —      | 7.0  | —      | 53.1                 | —      |
| Northrup King X 122 (2X)  | 44.4               | —      | 17.7          | —      | 6.4  | —      | 59.5                 | —      |
| Michigan 280              | 44.6               | —      | 24.6          | —      | 8.5  | —      | 48.9                 | —      |
| Haapala SX 205 (3X)       | 44.6               | —      | 18.8          | —      | 6.7  | —      | 50.6                 | —      |
| Northrup King PX 446 (2X) | 44.7               | —      | 18.9          | —      | 7.0  | —      | 50.9                 | —      |
| Michigan 250              | 44.8               | 41     | 22.7          | 17.4   | 7.8  | 6.8    | 46.1                 | 44     |
| Michigan 370              | 45.5               | 43     | 22.2          | 17.6   | 7.4  | 6.7    | 47.3                 | 47     |
| Taylor-Evans Hastymaker   | 46.1               | —      | 13.8          | —      | 6.6  | —      | 41.4                 | —      |
| Green Belt SX 362 (2X)    | 46.4               | —      | 21.8          | —      | 7.9  | —      | 47.2                 | —      |
| Wolverine 46 A            | 46.5               | 43     | 19.2          | 15.2   | 6.7  | 5.8    | 50.7                 | 45     |
| Wolverine 39              | 46.6               | 41     | 19.9          | 15.5   | 7.3  | 6.4    | 49.4                 | 46     |
| P.A.G. 41                 | 46.7               | 42     | 22.7          | 17.9   | 8.5  | 7.2    | 44.7                 | 42     |
| Green Belt 40             | 46.8               | 42     | 20.2          | 15.2   | 7.2  | 6.0    | 50.2                 | 48     |
| Funk Bros. G 10A          | 47.4               | 44     | 20.4          | 16.6   | 7.0  | 6.2    | 51.4                 | 48     |
| Funk Bros. G 4350 (2X)    | 47.5               | —      | 20.7          | —      | 7.1  | —      | 46.5                 | —      |
| Green Belt 34             | 47.7               | 43     | 20.2          | 15.4   | 7.3  | 6.1    | 50.4                 | 43     |
| Northrup King KE 477      | 47.7               | 43     | 15.6          | 13.2   | 6.2  | 5.7    | 51.8                 | 50     |
| Green Belt 41             | 48.2               | 42     | 19.8          | 15.4   | 6.8  | 6.0    | 53.0                 | 50     |
| Funk Bros. G 18A          | 49.3               | 45     | 22.8          | 18.6   | 7.3  | 6.8    | 47.0                 | 46     |
| DeKalb XL 306 (3X)        | 49.5               | 45     | 20.2          | 18.0   | 6.8  | 7.1    | 48.3                 | 45     |
| Michigan 300              | 49.6               | 44     | 21.6          | 17.2   | 8.1  | 7.1    | 48.2                 | 49     |
| Michigan 402-2X (2X)      | 49.7               | 45     | 23.1          | 19.0   | 8.5  | 7.7    | 50.3                 | 45     |
| P.A.G. 45                 | 49.7               | 45     | 22.8          | 17.4   | 7.8  | 6.5    | 48.5                 | 47     |
| Michigan 400              | 49.8               | 44     | 20.4          | 17.6   | 7.6  | 7.3    | 46.7                 | 48     |
| Pride 495                 | 49.9               | —      | 23.9          | —      | 8.2  | —      | 47.1                 | —      |
| Northrup King PX 480 (Sp) | 50.2               | 45     | 23.4          | 18.7   | 8.0  | 7.1    | 45.9                 | 45     |
| Michigan 463-3X (3X)      | 50.3               | 47     | 22.0          | 19.3   | 9.1  | 8.1    | 45.3                 | 46     |
| Funk Bros. G 17A          | 50.5               | 44     | 22.7          | 19.2   | 7.7  | 7.5    | 43.3                 | 43     |

Table 15 — HURON COUNTY (Continued)

|                               | % Moisture in ears |        | Tons Per Acre |        |      |        | % Ears in Dry Weight |        |
|-------------------------------|--------------------|--------|---------------|--------|------|--------|----------------------|--------|
|                               | 1967               | 2 yrs. | 1967          | 2 yrs. | 1967 | 2 yrs. | 1967                 | 2 yrs. |
| Taylor-Evans Profitmaker (2X) | 50.9               | —      | 21.2          | —      | 7.1  | —      | 49.5                 | —      |
| Pioneer 3675                  | 51.1               | 46     | 23.1          | 18.9   | 7.7  | 7.1    | 47.0                 | 45     |
| Michigan 550                  | 51.2               | 47     | 24.2          | 20.0   | 8.7  | 7.7    | 48.1                 | 48     |
| Michigan 425                  | 51.3               | 47     | 24.0          | 18.1   | 8.1  | 7.1    | 44.4                 | 44     |
| Pioneer 3773 (2X)             | 51.4               | 47     | 21.5          | 18.3   | 7.6  | 7.2    | 49.4                 | 48     |
| Michigan 500-2X (2X)          | 51.9               | 47     | 23.7          | 19.8   | 8.3  | 7.7    | 47.8                 | 49     |
| Pioneer 3775 (2X)             | 52.7               | —      | 23.1          | —      | 8.0  | —      | 42.0                 | —      |
| Green Belt 12A                | 52.7               | —      | 23.6          | —      | 8.0  | —      | 41.3                 | —      |
| DeKalb 59                     | 52.9               | 46     | 21.6          | 16.8   | 7.7  | 6.5    | 44.6                 | 43     |
| Michigan 430                  | 53.6               | 48     | 22.6          | 18.9   | 7.8  | 7.2    | 45.9                 | 47     |
| Green Belt SX 44 (2X)         | 53.9               | 48     | 19.5          | 17.2   | 5.9  | 6.3    | 44.1                 | 46     |
| P.A.G. 70                     | 54.1               | 48     | 24.5          | 19.7   | 8.0  | 7.4    | 43.2                 | 41     |
| DeKalb XL 45 (2X)             | 54.5               | 48     | 22.6          | 19.3   | 7.7  | 7.3    | 47.2                 | 46     |
| Green Belt 20                 | 55.0               | 50     | 24.3          | 19.0   | 7.9  | 6.8    | 41.1                 | 42     |
| Michigan 570                  | 55.3               | 50     | 26.1          | 21.4   | 8.1  | 7.5    | 42.0                 | 41     |
| Jacques 1052 (2X)             | 55.7               | —      | 27.5          | —      | 8.6  | —      | 45.9                 | —      |
| Northrup King PX 44 (2X)      | 56.2               | 51     | 24.9          | 21.2   | 7.7  | 7.4    | 45.1                 | 44     |
| Michigan 490                  | 58.2               | 51     | 24.6          | 20.9   | 8.5  | 7.8    | 40.7                 | 41     |
| Average                       | 49.2               | 45     | 21.7          | 17.9   | 7.8  | 6.9    | 47.6                 | 46     |
| Range                         | 42.1               | 38     | 13.8          | 13.2   | 5.9  | 5.7    | 40.7                 | 41     |
|                               | 58.2               | 51     | 27.5          | 21.4   | 9.1  | 8.1    | 59.5                 | 50     |
| Least significant difference  | 2.8                | 2.0    | 1.6           | 1.0    | .5   | .3     | 2.8                  | 2      |

|               | 1967        | 1966       |
|---------------|-------------|------------|
| Planted       | May 2       | May 4      |
| Harvested     | Sept. 12    | Sept. 19   |
| Soil Type     | Brookston   | Brookston  |
| Previous crop | Corn        | Corn       |
| Rows          | 36"         | 36"        |
| Population    | 18,100      | 17,500     |
| Fertilizer    | 170-126-105 | 128-112-56 |
| Soil test: pH | 7.4         | 7.4        |
| P             | 83 (high)   | 63 (high)  |
| K             | 289 (high)  | 186 (high) |

Farm Cooperator: William McCrea, Bad Axe.  
County Agricultural Agent: Lee Warschefskey, Bad Axe.



Table 16

Zone 3

**NORTH CENTRAL MICHIGAN  
NEWAYGO COUNTY TRIAL  
One, Two, and Three Year Averages—  
1967, 1966, 1965**

|                                | % Moisture |           | Bushels Per Acre |           | % Stalk Lodging |           | % Root Lodging |           |
|--------------------------------|------------|-----------|------------------|-----------|-----------------|-----------|----------------|-----------|
|                                | 2          | 3         | 2                | 3         | 2               | 3         | 2              | 3         |
|                                | 1967       | yrs. yrs. | 1967             | yrs. yrs. | 1967            | yrs. yrs. | 1967           | yrs. yrs. |
| Michigan 270                   | 30.1       | 27 26     | 91.7             | 94 92     | 0.0             | 6 11      | 0.0            |           |
| Funk Bros. G4170 (2X)          | 32.1       | — —       | 68.7             | — —       | 0.0             | — —       | 0.0            |           |
| Pioneer 3862                   | 32.3       | 28 —      | 92.1             | 90 —      | 0.0             | 8 —       | 0.0            |           |
| Michigan 280 *                 | 32.7       | — —       | 110.1            | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 250                   | 32.9       | 29 28     | 98.0             | 93 88     | 0.0             | 2 5       | 1.4            |           |
| Northrup King X122 (2X)        | 33.1       | — —       | 100.7            | — —       | 0.0             | — —       | 2.2            |           |
| Michigan 370                   | 33.1       | 29 29     | 96.9             | 94 88     | 0.0             | 5 6       | 0.0            |           |
| DeKalb XL15 (2X)               | 33.3       | 31 31     | 98.4             | 102 96    | 0.0             | 8 9       | 0.0            |           |
| Michigan 300                   | 33.5       | 29 29     | 106.2            | 100 92    | 0.0             | 3 8       | 0.0            |           |
| Northrup King PX446 (2X)       | 33.8       | — —       | 102.9            | — —       | 0.0             | — —       | 0.0            |           |
| Pioneer 3854                   | 33.9       | 30 29     | 102.6            | 95 90     | 0.0             | 1 5       | 0.7            |           |
| Taylor-Evans Hastymaker        | 34.7       | — —       | 90.3             | — —       | 0.0             | — —       | 0.7            |           |
| Northrup King KE 449           | 34.7       | 31 31     | 79.0             | 79 74     | 0.0             | 4 8       | 0.0            |           |
| Haapala SX 520 (2X) *          | 34.7       | — —       | 112.8            | — —       | 0.0             | — —       | 1.5            |           |
| Funk Bros. G 10A *             | 34.7       | 32 32     | 112.2            | 109 98    | 0.0             | 6 9       | 0.0            |           |
| Funk Bros. G 4287 (3X) *       | 34.7       | 31 —      | 111.9            | 114 —     | 0.0             | 2 —       | 0.6            |           |
| Pioneer 3911 (2X)              | 34.8       | — —       | 100.1            | — —       | 0.0             | — —       | 0.7            |           |
| DeKalb XL 306 (3X) *           | 35.1       | 31 —      | 111.2            | 104 —     | 0.0             | 1 —       | 0.0            |           |
| Pioneer 385 *                  | 35.3       | 31 32     | 112.6            | 107 101   | 0.0             | 3 5       | 0.0            |           |
| Pride R2 (2X)                  | 35.4       | — —       | 107.3            | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 400                   | 35.6       | 31 31     | 95.2             | 97 96     | 0.0             | 1 2       | 0.0            |           |
| Weather Master EP 30           | 35.7       | — —       | 93.8             | — —       | 0.0             | — —       | 0.0            |           |
| Tomco 180                      | 35.8       | — —       | 100.0            | — —       | 0.0             | — —       | 0.0            |           |
| Northrup King KE 477           | 36.1       | — —       | 90.4             | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 402-2X (2X) *         | 37.0       | — —       | 120.4            | — —       | 0.0             | — —       | 0.7            |           |
| Funk Bros. G 18A               | 37.0       | — —       | 93.1             | — —       | 0.0             | — —       | 0.0            |           |
| Pioneer 3675                   | 37.0       | 32 31     | 87.8             | 101 95    | 0.0             | 1 2       | 0.0            |           |
| Funk Bros. G 17A               | 37.2       | 33 33     | 96.6             | 96 93     | 0.0             | 4 10      | 0.0            |           |
| Michigan 463-3X (3X) *         | 37.2       | — —       | 115.4            | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 425                   | 37.3       | 32 32     | 93.5             | 100 95    | 0.0             | 2 3       | 0.0            |           |
| Michigan 550                   | 38.2       | 34 33     | 101.3            | 115 106   | 0.0             | 2 3       | 1.3            |           |
| Northrup King PX 527 (3X) *    | 38.6       | 33 —      | 112.0            | 111 —     | 0.0             | 2 —       | 0.0            |           |
| DeKalb XL 315 (3X)             | 38.6       | 34 33     | 92.8             | 95 91     | 0.0             | 4 5       | 0.7            |           |
| Michigan 430                   | 38.9       | 33 33     | 98.9             | 104 97    | 0.0             | 4 10      | 0.0            |           |
| Michigan 570                   | 39.0       | 37 38     | 90.3             | 92 85     | 0.0             | 2 8       | 0.0            |           |
| Northrup King PX 480 (Sp) *    | 39.7       | 34 —      | 116.3            | 103 —     | 0.0             | 9 —       | 0.0            |           |
| Haapala SX 406 (3X)            | 39.8       | — —       | 87.3             | — —       | 0.0             | — —       | 0.0            |           |
| Pioneer 3773 (2X)              | 39.9       | — —       | 92.5             | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 500-2X (2X)           | 40.0       | 35 —      | 105.0            | 112 —     | 0.0             | 0 —       | 0.0            |           |
| Funk Bros. G 4350 (2X)         | 40.0       | 35 34     | 102.3            | 100 92    | 0.0             | 0 4       | 0.7            |           |
| Taylor-Evans Profit-maker (2X) | 40.2       | — —       | 78.6             | — —       | 0.0             | — —       | 0.0            |           |
| Michigan 490                   | 40.3       | 38 39     | 85.9             | 87 82     | 0.0             | 1 0       | 0.0            |           |
| Tomco 144                      | 40.3       | — —       | 90.4             | — —       | 0.0             | — —       | 0.0            |           |
| Average                        | 36.3       | 32 32     | 98.6             | 100 92    | 0.0             | 3 6       | 0.2            |           |
| Range                          | 30.1       | 27 26     | 68.7             | 79 74     | 0.0             | 0 0       | 0.0            |           |
|                                | 40.3       | 35 39     | 120.4            | 115 106   | 0.0             | 9 11      | 2.2            |           |
| Least significant difference   | 1.6        | 1 1       | 10.4             | 5 4       |                 |           |                |           |

Table 16 — NEWAYGO COUNTY (Continued)

\* Significantly better than average yield in 1967.

|               | 1967           | 1966         | 1965         |
|---------------|----------------|--------------|--------------|
| Planted       | May 22         | May 21       | May 19       |
| Harvested     | Oct. 21        | Nov. 8       | Nov. 4       |
| Soil type     | Selkirk loam   | Selkirk loam | Selkirk loam |
| Previous crop | Corn           | Corn         | Corn         |
| Rows          | 36"            | 36"          | 36"          |
| Population    | 17,000         | 17,500       | 16,700       |
| Fertilizer    | 20-80-40       | 100-84-42    | 121-84-42    |
| Soil test: pH | 7.1            | 7.3          | 7.2          |
| P             | 36 (med. high) | 62 (high)    | 23 (medium)  |
| K             | 226 (high)     | 187 (high)   | 108 (low)    |

Farm Cooperator: Ivan Norris, Hesperia  
County Agricultural Agent: Lane Rushmore, Fremont

Table 17

Zone 4

**NORTHERN MICHIGAN  
GRAIN — GRAND TRAVERSE COUNTY  
One and Two Year Averages— 1967 and 1965  
(1966 Trial not harvested for grain yields)**

| Hybrid                       | % Moisture |        | Bushels Per Acre |        | % Stalk Lodging |        | % Root Lodging |        |
|------------------------------|------------|--------|------------------|--------|-----------------|--------|----------------|--------|
|                              | 1967       | 2 Yrs. | 1967             | 2 Yrs. | 1967            | 2 Yrs. | 1967           | 2 Yrs. |
| Seneca XX 155                | 27.7       | —      | 64.7             | —      | 0.0             | —      | 0.0            |        |
| A.E.S. 202                   | 27.8       | 31     | 64.3             | 55     | 0.0             | 23     | 0.0            |        |
| Michigan 200                 | 28.2       | 32     | 73.9             | 65     | 1.6             | 7      | 0.0            |        |
| Weather Master EPX-2 (2X)    | 28.9       | —      | 72.5             | —      | 0.9             | —      | 0.0            |        |
| Northrup King KE 435         | 29.1       | 36     | 55.7             | 48     | 6.5             | 19     | 0.0            |        |
| Michigan 270                 | 29.4       | 36     | 66.4             | 58     | 0.0             | 16     | 0.0            |        |
| Michigan 250                 | 29.4       | —      | 68.1             | —      | 2.3             | —      | 0.0            |        |
| Northrup King PX 446 (2X)    | 29.4       | —      | 64.3             | —      | 0.0             | —      | 0.0            |        |
| Pride 137                    | 29.4       | —      | 67.7             | —      | 0.8             | —      | 0.0            |        |
| Pioneer 3956*                | 29.5       | —      | 76.7             | —      | 0.0             | —      | 0.0            |        |
| Michigan 280                 | 29.6       | —      | 72.8             | —      | 0.8             | —      | 0.0            |        |
| Funk Bros. G 4170 (3X)       | 30.1       | —      | 58.9             | —      | 0.8             | —      | 0.0            |        |
| Seneca SR 155                | 30.6       | —      | 52.8             | —      | 0.0             | —      | 0.0            |        |
| DeKalb 45                    | 30.8       | 37     | 65.2             | 57     | 0.0             | 5      | 0.0            |        |
| Pride 132                    | 30.8       | —      | 68.3             | —      | 4.2             | —      | 0.0            |        |
| Haapala SX 205 (3X)          | 31.3       | —      | 64.5             | —      | 0.0             | —      | 0.0            |        |
| Haapala H 358*               | 31.6       | —      | 76.1             | —      | 3.3             | —      | 0.0            |        |
| Michigan 300*                | 32.3       | 38     | 76.4             | 63     | 1.8             | 16     | 0.0            |        |
| Michigan 402-2X (2X)         | 32.8       | 39     | 69.3             | 62     | 0.0             | 15     | 0.0            |        |
| Michigan 370                 | 33.0       | 39     | 58.6             | 53     | 2.4             | 16     | 0.0            |        |
| Michigan 400                 | 34.2       | 39     | 56.5             | 52     | 0.0             | 13     | 0.0            |        |
| Northrup King PX 480 (Sp)    | 35.2       | —      | 60.5             | —      | 0.8             | —      | 0.0            |        |
| Pride 232                    | 35.3       | —      | 65.0             | —      | 0.0             | —      | 0.0            |        |
| Northrup King PX 527 (3X)    | 35.4       | —      | 63.1             | —      | 0.0             | —      | 0.0            |        |
| Northrup King KE 497         | 35.8       | 41     | 55.2             | 52     | 0.8             | 14     | 0.0            |        |
| Haapala SX 420 (3X)          | 41.9       | —      | 49.7             | —      | 0.8             | —      | 0.0            |        |
| Average                      | 32.0       | 37     | 66.5             | 57     | 0.9             | 14     | 0.0            |        |
| Range                        | 27.7       | 31     | 49.7             | 48     | 0.0             | 5      | 0.0            |        |
|                              | 41.9       | 41     | 76.7             | 65     | 6.5             | 23     | 0.0            |        |
| Least significant difference | 1.7        | 1      | 7.8              | 4      |                 |        |                |        |

\* Significantly better than average yield in 1967.

|               | 1967             | 1965              |
|---------------|------------------|-------------------|
| Planted       | May 23           | May 14            |
| Harvested     | Oct. 25          | Nov. 16           |
| Soil type     | Emett sandy loam | Emmett sandy loam |
| Previous crop | Corn             | Corn              |
| Rows          | 38"              | 38"               |
| Population    | 18,000           | 17,000            |
| Fertilizer    | 81-81-81         | 120-120-120       |
| Soil test: pH | 5.9              | 6.8               |
| P             | 62 (high)        | 49 (high)         |
| K             | 171 (medium)     | 113 (low)         |

Farm Cooperator: Karl Wagner, Grawn.  
County Agricultural Agent: George McManus, Traverse City.

Table 18

Zone 4

**NORTHERN MICHIGAN  
SILAGE — GRAND TRAVERSE COUNTY TRIAL**  
One, Two, and Three Year Averages —  
1967, 1966, 1965

| Hybrid                          | % Moisture<br>in Ears |      | Tons Per Acre |      |         |      | % Ears in<br>Dry Weight |      |      |      |    |    |
|---------------------------------|-----------------------|------|---------------|------|---------|------|-------------------------|------|------|------|----|----|
|                                 | 2                     | 3    | Green wt.     |      | Dry wt. |      | 2                       |      | 3    |      |    |    |
|                                 | 1967                  | 1966 | 1967          | 1966 | 1967    | 1966 | 1967                    | 1966 | 1967 | 1966 |    |    |
| A.E.S. 202                      | 44.0                  | 40   | 44            | 10.4 | 8.3     | 9.4  | 4.1                     | 3.4  | 3.4  | 46.2 | 49 | 49 |
| Seneca XX 155                   | 46.9                  | —    | —             | 14.4 | —       | —    | 4.8                     | —    | —    | 42.6 | —  | —  |
| Michigan 200                    | 47.9                  | —    | —             | 12.5 | —       | —    | 5.0                     | —    | —    | 45.4 | —  | —  |
| Northrup King KE 435            | 48.1                  | 46   | 49            | 11.2 | 8.2     | 9.3  | 4.3                     | 3.2  | 3.3  | 48.9 | 43 | 45 |
| Haapala H358                    | 48.2                  | —    | —             | 12.8 | —       | —    | 4.9                     | —    | —    | 47.5 | —  | —  |
| Weather Master EPX-2<br>(2X)    | 49.9                  | —    | —             | 12.3 | —       | —    | 4.3                     | —    | —    | 47.4 | —  | —  |
| Seneca SR 155                   | 50.0                  | —    | —             | 13.4 | —       | —    | 4.6                     | —    | —    | 42.8 | —  | —  |
| Michigan 270                    | 50.3                  | 45   | 48            | 13.9 | 10.8    | 11.6 | 4.7                     | 3.9  | 3.9  | 48.1 | 49 | 47 |
| Michigan 250                    | 50.8                  | 46   | 50            | 14.5 | 12.2    | 13.1 | 5.1                     | 4.3  | 4.4  | 48.9 | 49 | 46 |
| Michigan 280                    | 50.9                  | —    | —             | 15.3 | —       | —    | 5.6                     | —    | —    | 47.0 | —  | —  |
| Haapala SX 205 (3X)             | 52.1                  | —    | —             | 14.2 | —       | —    | 4.7                     | —    | —    | 45.1 | —  | —  |
| Pioneer 3956                    | 52.3                  | —    | —             | 14.4 | —       | —    | 5.1                     | —    | —    | 46.6 | —  | —  |
| Pride 137                       | 52.5                  | —    | —             | 13.2 | —       | —    | 5.0                     | —    | —    | 44.6 | —  | —  |
| Pride 132                       | 52.6                  | —    | —             | 13.1 | —       | —    | 4.4                     | —    | —    | 44.5 | —  | —  |
| Michigan 370                    | 52.7                  | 50   | 53            | 13.4 | 11.1    | 12.9 | 4.6                     | 4.0  | 4.2  | 42.9 | 42 | 40 |
| DeKalb 45                       | 53.5                  | —    | —             | 11.6 | —       | —    | 4.0                     | —    | —    | 45.3 | —  | —  |
| Funk Bros. G 4170<br>(3X)       | 53.5                  | 47   | —             | 11.0 | 8.9     | —    | 3.8                     | 3.4  | —    | 42.9 | 45 | —  |
| Michigan 300                    | 54.7                  | 50   | 53            | 16.2 | 13.3    | 14.4 | 5.4                     | 4.5  | 4.6  | 40.9 | 41 | 40 |
| Northrup King PX 446<br>(2X)    | 55.0                  | —    | —             | 10.6 | —       | —    | 3.6                     | —    | —    | 42.0 | —  | —  |
| Northrup King KE 497            | 55.4                  | 52   | 57            | 15.0 | 12.3    | 13.4 | 5.0                     | 4.2  | 4.3  | 37.3 | 38 | 37 |
| Northrup King PX 480<br>(Sp)    | 55.7                  | 49   | —             | 13.6 | 11.0    | —    | 4.8                     | 3.9  | —    | 39.6 | 37 | —  |
| Pride 232                       | 57.4                  | —    | —             | 14.1 | —       | —    | 4.8                     | —    | —    | 44.0 | —  | —  |
| Northrup King PX 527<br>(3X)    | 58.7                  | —    | —             | 14.6 | —       | —    | 4.9                     | —    | —    | 35.6 | —  | —  |
| Michigan 402-2X (2X)            | 60.2                  | 55   | 56            | 15.5 | 13.0    | 14.3 | 5.2                     | 4.5  | 4.6  | 40.3 | 42 | 42 |
| Michigan 400                    | 60.7                  | 54   | 57            | 13.3 | 12.0    | 13.2 | 4.9                     | 4.5  | 4.4  | 39.6 | 40 | 38 |
| Haapala SX 420 (3X)             | 63.0                  | —    | —             | 15.8 | —       | —    | 4.8                     | —    | —    | 34.0 | —  | —  |
| Average                         | 53.3                  | 49   | 52            | 13.6 | 11.0    | 12.4 | 4.7                     | 4.0  | 4.1  | 43.9 | 43 | 43 |
| Range                           | 44.0                  | 40   | 44            | 10.4 | 8.2     | 9.3  | 3.6                     | 3.2  | 3.3  | 34.0 | 37 | 37 |
|                                 | to                    | to   | to            | to   | to      | to   | to                      | to   | to   | to   | to | to |
|                                 | 63.0                  | 55   | 57            | 16.2 | 13.3    | 14.4 | 5.6                     | 4.5  | 4.6  | 48.9 | 49 | 49 |
| Least significant<br>difference | 2.2                   | 1    | 1             | 1.3  | .6      | .5   | .4                      | .3   | .2   | 2.5  | 2  | 2  |

|               | 1967              | 1966              | 1965              |
|---------------|-------------------|-------------------|-------------------|
| Planted       | May 23            | May 13            | May 14            |
| Harvested     | Sept. 15          | Sept. 14          | Sept. 16          |
| Soil type     | Emmett sandy loam | Emmett sandy loam | Emmett sandy loam |
| Previous crop | Corn              | Alfalfa           | Corn              |
| Rows          | 38"               | 38"               | 38"               |
| Population    | 17,800            | 15,900            | 17,000            |
| Fertilizer    | 81-81-81          | 36-36-36          | 120-120-120       |
| Soil test: pH | 5.9               | 6.8               | 6.8               |
| P             | 62 (high)         | 40 (high)         | 49 (high)         |
| K             | 171 (medium)      | 49 (very low)     | 113 (low)         |

Farm Cooperator: Karl Wagner, Crawn  
County Agricultural Agent: George McManus, Traverse City

Table 19

Zone 4

**NORTHERN MICHIGAN  
GRAIN — ALPENA COUNTY TRIAL**  
One Year Averages — 1967

| Hybrid                        | % Moisture   | Bushels Per Acre | % Stalk Lodging | % Root Lodging |
|-------------------------------|--------------|------------------|-----------------|----------------|
| Jacques 750                   | 31.3         | 59.8             | 5.4             | 1.1            |
| Michigan 200*                 | 34.7         | 80.1             | 3.7             | 0.0            |
| Seneca XX 155                 | 35.4         | 70.0             | 0.0             | 0.0            |
| A.E.S. 202*                   | 36.0         | 77.8             | 1.1             | 1.1            |
| Seneca SR 155                 | 36.3         | 67.5             | 0.0             | 0.0            |
| Funk Bros. G 43               | 37.4         | 74.9             | 2.3             | 0.0            |
| Funk Bros. G 4170 (3X)        | 38.2         | 54.0             | 2.2             | 0.0            |
| Weather Master EP 10*         | 38.3         | 77.4             | 1.1             | 0.0            |
| Pioneer 3956*                 | 38.6         | 77.8             | 1.1             | 0.0            |
| DeKalb 45                     | 39.4         | 64.7             | 7.2             | 1.2            |
| Northrup King PX 446 (3X)     | 40.2         | 73.1             | 3.5             | 0.0            |
| Jacques 851 J                 | 40.3         | 81.1             | 3.5             | 1.2            |
| Michigan 270                  | 41.3         | 73.1             | 1.2             | 2.4            |
| DeKalb XL 307 (3X)            | 41.4         | 56.9             | 2.2             | 0.0            |
| Pride 137                     | 41.5         | 74.7             | 4.3             | 1.1            |
| Michigan 300                  | 43.1         | 72.4             | 1.1             | 0.0            |
| Funk Bros. G 10 A             | 43.2         | 75.8             | 2.7             | 1.3            |
| Michigan 250                  | 43.2         | 71.5             | 0.0             | 0.0            |
| Jacques 951                   | 43.7         | 65.3             | 4.2             | 1.4            |
| DeKalb XT 138                 | 44.7         | 55.6             | 3.2             | 0.0            |
| Northrup King PX 527 (3X)     | 45.9         | 64.0             | 3.0             | 1.0            |
| Michigan 280                  | 45.9         | 73.4             | 0.0             | 0.0            |
| Northrup King PX 480 (Sp)     | 48.0         | 64.7             | 0.0             | 1.1            |
| Funk Bros. G 17 A             | 48.5         | 65.9             | 6.8             | 1.4            |
| Northrup King KE 497          | 48.6         | 69.4             | 2.5             | 1.2            |
| DeKalb XL 325 (3X)            | 48.7         | 72.8             | 0.0             | 0.0            |
| Funk Bros. G 44               | 59.7         | 51.9             | 1.3             | 1.3            |
| Average                       | 42.1         | 69.1             | 2.5             | 0.8            |
| Range                         | 31.3 to 59.7 | 51.9 to 81.1     | 0.0 to 7.2      | 0.0 to 2.4     |
| Least significant differences | 2.0          | 8.0              |                 |                |

\* Significantly better than average yield in 1967.

Planted — May 17 Harvested — November 7  
Previous crop — Beans Soil type — Onaway sandy loam  
Rows — 28" Population — 17,200  
Fertilizer — 250 pounds 12-12-12  
Farm Cooperator — A. H. Nickels, Alpena,  
County Agricultural Agent — A. H. Nickels, Alpena.

Table 20

Zone 4

**NORTHERN MICHIGAN**  
**SILAGE — ALPENA COUNTY TRIAL**  
 One and Two Year Averages — 1967 and 1966  
 (No trials conducted 1965)

|                              | % Moisture in ears |        | Tons Per Acre |        |      |        | % Ears in Dry Weight |        |
|------------------------------|--------------------|--------|---------------|--------|------|--------|----------------------|--------|
|                              | 1967               | 2 yrs. | 1967          | 2 yrs. | 1967 | 2 yrs. | 1967                 | 2 yrs. |
| Jacques 750                  | 47.8               | —      | 10.2          | —      | 4.1  | —      | 34.0                 | —      |
| A.E.S. 202                   | 48.0               | 45     | 10.8          | 8.3    | 4.0  | 3.3    | 40.6                 | 39     |
| Michigan 200                 | 49.7               | 44     | 11.4          | 9.2    | 4.5  | 3.9    | 41.4                 | 41     |
| Funk Bros. G 43              | 51.4               | 47     | 10.2          | 8.6    | 3.5  | 3.3    | 42.4                 | 32     |
| Jacques 851 J                | 52.2               | 47     | 13.4          | 9.7    | 4.3  | 3.5    | 36.4                 | 35     |
| Seneca XX 155                | 52.6               | —      | 13.5          | —      | 4.6  | —      | 32.2                 | —      |
| Funk Bros. G 4170 (3X)       | 53.1               | —      | 7.8           | —      | 2.7  | —      | 33.6                 | —      |
| DeKalb XT 138                | 53.5               | 49     | 9.5           | 8.8    | 3.4  | 3.3    | 35.8                 | 37     |
| Seneca SR 155                | 53.8               | —      | 10.3          | —      | 3.6  | —      | 30.5                 | —      |
| Michigan 270                 | 54.5               | 48     | 13.0          | 10.0   | 4.5  | 3.7    | 39.9                 | 38     |
| Michigan 280                 | 56.6               | —      | 13.9          | —      | 4.8  | —      | 40.1                 | —      |
| DeKalb 45                    | 57.1               | 50     | 11.3          | 9.4    | 3.8  | 3.7    | 34.2                 | 32     |
| Pride 137                    | 57.8               | —      | 12.3          | —      | 4.2  | —      | 32.4                 | —      |
| Michigan 250                 | 58.5               | 51     | 11.6          | 10.9   | 3.8  | 4.0    | 31.3                 | 35     |
| Weather Master EP 10         | 59.6               | —      | 11.3          | —      | 3.6  | —      | 34.5                 | —      |
| DeKalb XL 307 (3X)           | 60.2               | 53     | 7.9           | 6.9    | 2.8  | 2.7    | 35.9                 | 32     |
| Jacques 951                  | 60.5               | —      | 11.9          | —      | 3.6  | —      | 28.8                 | —      |
| Michigan 300                 | 60.8               | 53     | 12.9          | 11.8   | 4.8  | 4.5    | 28.6                 | 36     |
| Northrup King PX 446 (2X)    | 61.0               | —      | 11.9          | —      | 4.1  | —      | 28.8                 | —      |
| Pioneer 3956                 | 61.6               | —      | 11.7          | —      | 3.4  | —      | 43.3                 | —      |
| Funk Bros. G 10A             | 62.3               | 54     | 13.1          | 11.4   | 4.0  | 4.0    | 34.8                 | 38     |
| Northrup King KE 497         | 64.9               | 56     | 11.8          | 11.0   | 3.8  | 4.0    | 22.7                 | 30     |
| DeKalb XL 325 (3X)           | 65.5               | —      | 12.0          | —      | 3.6  | —      | 31.7                 | —      |
| Northrup King PX 527 (3X)    | 65.7               | —      | 14.2          | —      | 4.8  | —      | 23.7                 | —      |
| Northrup King PX 480 (Sp)    | 66.1               | 57     | 9.7           | 10.3   | 2.9  | 3.5    | 22.7                 | 31     |
| Funk Bros. G 17A             | 67.8               | 56     | 11.1          | 10.7   | 3.1  | 3.2    | 31.3                 | 37     |
| Funk Bros. G 44              | 79.0               | 69     | 14.2          | 11.8   | 3.5  | 3.7    | 12.2                 | 20     |
| Average                      | 58.4               | 52     | 11.4          | 9.9    | 3.8  | 3.6    | 33.3                 | 34     |
| Range                        | 47.8               | 44     | 7.8           | 6.9    | 2.8  | 2.7    | 12.2                 | 20     |
|                              | to                 | to     | to            | to     | to   | to     | to                   | to     |
|                              | 79.0               | 69     | 14.2          | 11.8   | 4.8  | 4.5    | 43.3                 | 41     |
| Least significant difference | 2.4                | 2      | 1.2           | .7     | .3   | .2     | 2.0                  | 2      |

|            | 1967                | 1966        |
|------------|---------------------|-------------|
| Planted    | May 17              | May 11      |
| Harvested  | Sept. 13            | Sept. 21    |
| Soil Type  | Onaway sandy loam   | Onaway loam |
| Rows       | 25"                 | 38"         |
| Population | 17,200              | 14,000      |
| Fertilizer | 250 pounds 12-12-12 | 30-60-30    |

Farm Cooperators: (1967) A. H. Nickel, Alpena; (1966) Esley Van Wagoner, Rt. 2, Alpena.  
 County Agricultural Agent: A. H. Nickel, Alpena.

Table 21

Zone 4

**NORTHERN MICHIGAN**  
**SILAGE — ALGER COUNTY TRIAL**  
 One, Two, and Three Year Averages —  
 1967, 1966, 1965

|                              | % Moisture in Ears |    |    | Tons Per Acre |      |      |      |     |     | % Ears in Dry Weight |    |    |
|------------------------------|--------------------|----|----|---------------|------|------|------|-----|-----|----------------------|----|----|
|                              | 1967               | 2  | 3  | 1967          | 2    | 3    | 1967 | 2   | 3   | 1967                 | 2  | 3  |
| Pioneer PXE-1                | 54.8               | —  | —  | 8.4           | —    | —    | 3.0  | —   | —   | 47.2                 | —  | —  |
| Trojan D31 (6-10)            | 59.5               | —  | —  | 6.8           | —    | —    | 2.5  | —   | —   | 47.2                 | —  | —  |
| Trojan 331 (6-8)             | 61.8               | —  | —  | 8.8           | —    | —    | 2.8  | —   | —   | 44.2                 | —  | —  |
| Trojan D31 (6-8)             | 64.3               | —  | —  | 8.3           | —    | —    | 2.4  | —   | —   | 43.2                 | —  | —  |
| DeKalb 29                    | 70.8               | 55 | 59 | 8.5           | 9.0  | 8.8  | 2.4  | 3.3 | 3.0 | 31.4                 | 51 | 46 |
| Michigan 200                 | 71.5               | 57 | 62 | 10.5          | 10.0 | 9.1  | 2.7  | 3.3 | 2.8 | 29.4                 | 46 | 44 |
| Seneca SR 155                | 74.2               | 58 | —  | 10.6          | 10.7 | —    | 2.9  | 3.7 | —   | 22.7                 | 42 | —  |
| Wisconsin 263                | 74.4               | 60 | —  | 8.3           | 10.0 | —    | 2.2  | 3.5 | —   | 25.7                 | 45 | —  |
| Northrup King KC3            | 75.0               | 65 | 66 | 10.8          | 10.4 | 9.2  | 3.0  | 3.6 | 3.2 | 29.7                 | 48 | 44 |
| Pride 11                     | 75.7               | 59 | 64 | 12.1          | 11.2 | 10.3 | 3.0  | 3.7 | 3.2 | 29.4                 | 47 | 45 |
| Wisconsin 243                | 75.7               | 58 | —  | 9.6           | 10.1 | —    | 2.5  | 3.5 | —   | 25.9                 | 46 | —  |
| Wisconsin 273                | 76.0               | 59 | —  | 11.0          | 10.7 | —    | 2.7  | 3.4 | —   | 23.4                 | 46 | —  |
| Wisconsin 335A               | 76.4               | 61 | —  | 10.7          | 9.6  | —    | 2.8  | 3.2 | —   | 26.7                 | 45 | —  |
| Wisconsin 1709               | 77.0               | 61 | —  | 7.0           | 8.1  | —    | 1.7  | 2.7 | —   | 27.2                 | 46 | —  |
| Wisconsin 346                | 77.4               | 61 | —  | 11.6          | 11.5 | —    | 3.0  | 3.8 | —   | 23.3                 | 43 | —  |
| Wolverine 29                 | 77.4               | —  | —  | 11.4          | —    | —    | 2.8  | —   | —   | 25.2                 | —  | —  |
| A.E.S. 202                   | 77.5               | 59 | 62 | 10.0          | 10.3 | 9.7  | 3.8  | 4.3 | 3.6 | 26.1                 | 47 | 45 |
| Northrup King PX 446 (2X)    | 78.4               | —  | —  | 10.9          | —    | —    | 3.0  | —   | —   | 18.6                 | —  | —  |
| Weather Master EP10          | 78.8               | —  | —  | 11.3          | —    | —    | 2.9  | —   | —   | 21.0                 | —  | —  |
| Michigan 270                 | 80.4               | 62 | 66 | 10.8          | 11.0 | 10.0 | 2.7  | 3.8 | 3.3 | 16.5                 | 40 | 39 |
| Pioneer 3956                 | 80.6               | —  | —  | 10.2          | —    | —    | 2.7  | —   | —   | 18.6                 | —  | —  |
| Michigan 250                 | 81.3               | 63 | 66 | 9.8           | 10.9 | 10.4 | 2.5  | 3.9 | 3.4 | 17.5                 | 39 | 36 |
| Michigan 280                 | 82.8               | 64 | —  | 11.5          | 11.9 | —    | 2.8  | 4.0 | —   | 15.7                 | 38 | —  |
| Northrup King KE 497         | 84.3               | —  | —  | 10.1          | —    | —    | 2.6  | —   | —   | 14.4                 | —  | —  |
| Northrup King PX 480 (Sp)    | 84.8               | —  | —  | 10.5          | —    | —    | 2.8  | —   | —   | 11.2                 | —  | —  |
| Michigan 300                 | 85.1               | 68 | 72 | 10.0          | 11.5 | 11.0 | 2.5  | 3.9 | 3.3 | 10.0                 | 35 | 31 |
| DeKalb XL 15 (2X)            | 86.5               | 67 | 73 | 10.1          | 11.1 | 10.1 | 2.4  | 3.6 | 3.0 | 13.6                 | 38 | 35 |
| Northrup King PX 527 (3X)    | 86.7               | —  | —  | 10.9          | —    | —    | 2.7  | —   | —   | 6.7                  | —  | —  |
| Average                      | 76.3               | 61 | 65 | 10.0          | 10.5 | 9.8  | 2.7  | 3.6 | 3.2 | 24.0                 | 44 | 41 |
| Range                        | 54.8               | 55 | 59 | 6.8           | 8.1  | 8.8  | 1.7  | 2.7 | 2.8 | 6.7                  | 35 | 31 |
|                              | to                 | to | to | to            | to   | to   | to   | to  | to  | to                   | to | to |
|                              | 86.7               | 68 | 73 | 12.1          | 11.9 | 11.0 | 3.8  | 4.3 | 3.6 | 47.2                 | 51 | 46 |
| Least significant difference | 3.6                | 2  | 1  | 1.2           | 0.7  | 0.4  | 0.3  | 0.2 | .2  | 3.0                  | 2  | 2  |

|            | 1967                | 1966                | 1965                |
|------------|---------------------|---------------------|---------------------|
| Planted    | May 29              | May 23              | May 21              |
| Harvested  | Sept. 21-22         | Oct. 18             | Oct. 14-15          |
| Soil type  | Chatham stoney loam | Chatham stoney loam | Chatham stoney loam |
| Population | 16,600              | 16,200              | 15,900              |
| Fertilizer | 75-100-100          | 70-78-78            | 74-96-48            |

Cooperator: Dr. Don Reid, Michigan State University, Chatham.

Table 22 Index for 238 hybrids entered as 1,130 entries in the 1967 Michigan Corn Performance Trials. Numbers within parenthesis refer to table numbers in which the hybrid appears. (2X) indicates a single cross hybrid, (3X) indicates a three-way hybrid, and all others are double-cross hybrids.

|   |   |  |  |
|---|---|--|--|
| <b>Anderson Elevator Co., Maumee, Ohio</b><br>Anderson AX3 (2X) (3)<br>Anderson AX5 (3)<br>Anderson A 105 (3)   | <b>Supercrost 2610 (10)</b><br>Supercrost 15563 (13)  | <b>Michigan Hybrid Seed Co., 974 Rosewood, East Lansing, Michigan</b><br>Wolverine 39 (13, 14, 15)<br>Wolverine 46A (13, 14, 15)<br>Wolverine 61 (11, 12)<br>Wolverine 66 A (7, 8, 9)<br>Wolverine 69 (11, 12)<br>Wolverine W 135 (2X) (8)<br>Wolverine W 175 (9, 11, 12)  | <b>Pioneer 368 (3, 5, 8, 9, 11, 12, 13)</b><br>Pioneer 371 (1, 2, 4, 5, 6, 7, 9)<br>Pioneer 385 (8, 16)<br>Pioneer 388 (10, 13)<br>Pioneer 3414 (4)<br>Pioneer 3466 (4, 6)<br>Pioneer 3567 (1, 2, 3, 4, 5, 6)<br>Pioneer 3658 (3)<br>Pioneer 3675 (11, 12, 14, 15, 16)<br>Pioneer 3715 (3X) (4, 6, 9, 11, 12)<br>Pioneer 3773 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Pioneer 3775 (2X) (1, 2, 3, 5, 8, 9, 10, 11, 12, 13, 14, 15)<br>Pioneer 3854 (8, 10, 11, 12, 16)<br>Pioneer 3862 (16)<br>Pioneer 3911 (2X) (16)<br>Pioneer 3943 (3X) (11, 12)<br>Pioneer 3956 (17, 18, 19, 20, 21) |
| <b>Asgrow Seed Co., Mechanicsburg, Penn.</b><br>Asgrow ATC 35 (3X) (11, 12)   | <b>Garmo Seed Co., Deerfield, Michigan</b><br>Garmo S 95 (2X) (1, 2, 11, 12)  | <b>Midwest Research Associates, Box J, Dassel, Minnesota</b><br>Weathermaster EPX-2 (2X) (17, 18)<br>Weathermaster EPX-6 (2X) (1, 2, 4, 6, 11, 12)<br>Weathermaster EP 10 (19, 20, 21)<br>Weathermaster EP 30 (5, 7, 9, 10, 11, 12, 13, 16)<br>Weathermaster EP 40 (7, 9, 10)<br>Weathermaster EP 50 (5, 8)<br>Weathermaster EP 60 (3, 8)  | <b>Pride Seed Co., Glen Haven, Wisconsin</b><br>Pride R 2 (2X) (10, 13, 16)<br>Pride 11 (21)<br>Pride A 40 (9)<br>Pride 132 (17, 18)<br>Pride 137 (17, 18, 19, 20)<br>Pride 232 (17, 18)<br>Pride 305 (10)<br>Pride R 407 (2X) (8, 11, 12)<br>Pride R 450 (2X) (3, 5, 7, 11, 12)<br>Pride 495 (9, 14, 15)<br>Pride 568 (5, 9)<br>Pride 724 (1, 2)<br>Pride R 725 (3X) (1, 2)<br>Pride XR 750 (3X) (3)  |
| <b>Bayless &amp; Sons, Route 1, Bluffton, Indiana</b><br>Bayless SX 415 (2X) (3, 4, 6)<br>Bayless SX 433-7 (2X) (4, 6)<br>Bayless 3X 435 (3X) (4, 6)<br>Bayless 3X 485 (3X) (4, 6)<br>Bayless SX 601 (2X) (4, 6)<br>Bayless SX 615-5 (2X) (4, 6)  | <b>Green Belt Fertilizer Co., Applegate, Mich.</b><br>Green Belt 12 A (14, 15)<br>Green Belt E 16 (13)<br>Green Belt 20 (14, 15)<br>Green Belt 31 (13)<br>Green Belt 34 (13)<br>Green Belt 40 (13, 14, 15)<br>Green Belt 41 (13, 14, 15)<br>Green Belt 44 (2X) (13, 14, 15)<br>Green Belt SX 362 (2X) (13, 14, 15)  | <b>Midwest Seed Growers Assn., Mitchell, Ind.</b><br>Migro M 12 SX (2X) (1, 2, 3, 4, 5, 6, 9)<br>Migro M 22 SX (2X) (1, 2, 3, 4, 5, 6, 9)<br>Migro M 43 SX (2X) (1, 2)<br>Migro M 45-3X (3X) (1, 2, 3, 4, 5, 6)<br>Migro M 140 (1, 2, 3, 4, 5, 6, 9)<br>Migro M 540 (1, 2, 4, 6)   | <b>Robson Seed Co., Hall, New York</b><br>Seneca SR 155 (17, 18, 19, 20, 21)<br>Seneca XX 155 (17, 18, 19, 20)   |
| <b>Blaney Farms, Inc., Route 3, Madison, Wis.</b><br>Blaney B44A (3X) (10)<br>Blaney B330 (3X) (10)<br>Blaney B401 (2X) (9, 10, 11, 12)<br>Blaney B441 (3X) (11, 12)<br>Blaney B500 (2X) (9)<br>Blaney B 601 (2X) (1, 2, 9)<br>Blaney B 772 (3X) (1, 2)<br>Blaney B 800E (2X) (1, 2)<br>Blaney 6606A (2X) (1, 2, 9, 10)<br>Blaney 6616 (3X) (9)   | <b>Gries Seed Co., Rt. 4, Fremont, Ohio</b><br>Gries 475 (2X) (1)<br>Gries 640 (1)  | <b>Mitchell Farms, Windfall, Indiana</b><br>Crib Filler 17 (5)<br>Crib Filler 22 (1, 2, 3, 5, 9)<br>Crib Filler 29 (3)<br>Crib Filler 40 (2X) (1, 2, 5, 9)   | <b>Simons Seed Farms, Elkhorn, Wisconsin</b><br>Simons W 601 (2X) (1, 2)<br>Simons M 1115 A (1, 2)<br>Simons M 310 S (1, 2)<br>Simons M 3112 A (1, 2)<br>Simons M 4115 (1, 2)  |
| <b>Cowbell Seeds, Inc. Wayland, Michigan</b><br>Cowbell 55 (5, 7)<br>Cowbell SX 107 (2X) (3, 5, 9)<br>Cowbell SX 112 (2X) (4, 6, 7, 9)<br>Cowbell HK 271 (2X) (5)   | <b>Fred Gutwein &amp; Sons, Francesville, Indiana</b><br>Cutwein 10 (2X) (4)<br>Cutwein 17 (3X) (4)<br>Cutwein 20 (2X) (4)<br>Cutwein 222 (4)   | <b>Northrup King &amp; Co., 1500 Jackson N.E., Minneapolis, Minnesota</b><br>Northrup King KC 3 (21)<br>Northrup King PX 44 (2X) (1, 2, 3, 4, 5, 6, 7, 11, 12, 14, 15)<br>Northrup King PX 50 (2X) (1, 2, 3, 4, 5, 7, 8, 9)<br>Northrup King PX 52 (2X) (1, 2, 3, 4, 5, 6, 9)<br>Northrup King X 122 (2X) (10, 11, 12, 13, 14, 15, 16)<br>Northrup King X 138 (2X) (1, 2, 3, 4, 5, 6)<br>Northrup King KE 435 (17, 18)<br>Northrup King PX 446 (2X) (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Northrup King KE 449 (11, 12, 13, 14, 15, 16)<br>Northrup King KE 477 (14, 15, 16)<br>Northrup King PX 480 (Sp) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Northrup King PX 487 (3X) (8, 13)<br>Northrup King KE 497 (4, 7, 8, 9, 10, 11, 12, 13, 17, 18, 19, 20, 21)<br>Northrup King PX 525 (Sp) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)<br>Northrup King PX 527 (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 21)<br>Northrup King PX 560 (Sp.) (1, 2, 3, 4, 5, 7)<br>Northrup King KM 567 (1, 2, 3, 4, 5, 6, 7)<br>Northrup King PX 610 (3X) (1, 2, 3, 4, 5, 6) | <b>Taylor-Evans Seed Co., Box 480, Tulia, Texas</b><br>Taylor-Evans Bonusmaker (2X) (1, 2, 3, 4, 5, 7, 8, 9, 10)<br>Taylor-Evans Hastymaker (7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Taylor-Evans Profitmaker (2X) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16)   |
| <b>Crow's Hybrid Corn Co., Milford, Illinois</b><br>Crow 420 (2X) (7)<br>Crow 428 (2X) (7)  | <b>Levi Haapala &amp; Sons Inc., Dassel, Minn.</b><br>Haapala SX 205 (3X) (14, 15, 17, 18)<br>Haapala H 277 (1, 2)<br>Haapala SX 333 (9, 16)<br>Haapala H 358 (14, 15, 17, 18)<br>Haapala SX 406 (3X) (16)<br>Haapala SX 420 (3X) (17, 18)<br>Haapala SX 475 (2X) (5)<br>Haapala H 508 (8)<br>Haapala SX 525 (3X) (3, 5)<br>Haapala SX 621 (2X) (1, 2, 8, 10)<br>Haapala SX 626 (2X) (3, 9)<br>Haapala H 1301 (10)  | <b>Teweles Seed Co., Milwaukee, Wisconsin</b><br>Teweles 232 (14, 15)  | <b>Todd Hybrid Corn Co., Burlington, Indiana</b><br>Todd M 40 (2X) (1, 2, 3)<br>Todd M 55 (2X) (1, 2, 3)<br>Todd M 60 (2X) (1, 2, 3)<br>Todd 130 A (3X) (1, 2, 3)  |
| <b>DeKalb Agricultural Assoc., Inc., DeKalb, Ill.</b><br>DeKalb 59 (8, 14, 15)<br>DeKalb XT 138 (19, 20)<br>DeKalb 224 (7, 11, 12)<br>DeKalb XL 304 (3X) (3, 11, 12)<br>DeKalb XL 306 (3X)<br>(1, 2, 3, 4, 6, 11, 12, 14, 15, 16)<br>DeKalb XL 307 (3X) (8, 19, 20)<br>DeKalb XL 315 (3X) (4, 8, 9, 10, 16)<br>DeKalb XL 325 (3X)<br>(1, 2, 3, 4, 6, 9, 10, 11, 12, 19, 20)<br>DeKalb XL 341 (3X) (1, 2, 3, 6)<br>DeKalb XL 344 (3X) (9)<br>DeKalb 409 (1, 2, 5, 6, 11, 12)<br>DeKalb 414 (5)<br>DeKalb 415 A (5)<br>DeKalb 427 (7, 8)<br>DeKalb 441 A (7)<br>DeKalb XL 15 (2X) (8, 11, 12, 21)<br>DeKalb 29 (21)<br>DeKalb XL 45 (2X)<br>(1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15)<br>DeKalb 45 (17, 18, 19, 20)<br>DeKalb 57 (7)<br>DeKalb 58 (13) | <b>C. E. Hulting &amp; Sons, Geneseo, Illinois</b><br>Hulting X 214 (4)<br>Hulting 218 (4)<br>Hulting X 536 (4)<br>Hulting X 537 (4)<br>Hulting 928 (2X) (4)  | <b>Tomco Genetic Giant Seed Co., Belmond, Iowa</b><br>Tomco 144 (16)<br>Tomco 180 (16)<br>Tomco 440 (4, 5)<br>Tomco 2600 (4, 8)  | <b>Trojan Seed Co., Olivia, Minnesota</b><br>Trojan D 31 (6-8) (21)<br>Trojan D 31 (6-10) (21)<br>Trojan 331 (6-8) (21)  |
| <b>Cowbell Seeds, Inc. Wayland, Michigan</b><br>Cowbell 55 (5, 7)<br>Cowbell SX 107 (2X) (3, 5, 9)<br>Cowbell SX 112 (2X) (4, 6, 7, 9)<br>Cowbell HK 271 (2X) (5)   | <b>Jacques Seed Co., Prescott, Wisconsin</b><br>Jacques 750 (19, 20)<br>Jacques 851 J (19, 20)<br>Jacques 900 J (13)<br>Jacques 951 (14, 15, 19, 20)<br>Jacques JX 1052 (2X) (11, 12, 14, 15)   | <b>University of Wisconsin, Madison, Wisconsin</b><br>Wisconsin 243 (21)<br>Wisconsin 263 (21)<br>Wisconsin 273 (21)<br>Wisconsin 335 A (21)<br>Wisconsin 346 (21)<br>Wisconsin 1709 (21)  | <b>Wyckoff Hybrids, Inc., Route 3, Valparaiso, Indiana</b><br>Wyckoff W 5 X (3, 4, 6)<br>Wyckoff W 9 X (3)<br>Wyckoff W 10 A (3, 4, 6)   |
| <b>Funk Bros. Seed Co., Bloomington, Illinois</b><br>Funk Bros. C 10 A<br>(7, 8, 9, 10, 11, 12, 14, 15, 16, 19, 20)<br>Funk Bros. C 17 A<br>(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 19, 20)<br><br>Funk Bros. C 18 A<br>(7, 8, 9, 11, 12, 14, 15, 16)<br>Funk Bros. C 34 (1, 2, 3)<br>Funk Bros. C 43 (19, 20)<br>Funk Bros. C 44 (19, 20)<br>Funk Bros. C 4170 (3X) (16, 17, 18, 19, 20)<br>Funk Bros. C 4287 (3X) (7, 16)<br>Funk Bros. C 4289 (3, 4, 5)<br>Funk Bros. C 4350 (2X)<br>(1, 2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Funk Bros. C 4384 (2X) (3, 4, 6)<br>Funk Bros. C 4390 (3X)<br>(1, 2, 3, 4, 5, 6, 11, 12)<br>Funk Bros. C 4401 (2X) (4, 6)   | <b>Landmark Seed Plant, South Charleston, Ohio</b><br>Landmark C 700 X (1, 2, 3, 4, 5, 6)   | <b>Pfister Associated Growers, Inc., Box 470, Aurora, Illinois</b><br>P.A.C. SX 9 (2X) (1, 2, 3)<br>P.A.C. SX 36 (2X) (3, 4, 6)<br>P.A.C. 41 (8, 13, 14, 15)<br>P.A.C. 45 (8, 10, 13, 14, 15)<br>P.A.C. SX 48 (2X) (8, 9, 13)<br>P.A.C. SX 52 (2X) (4, 6)<br>P.A.C. 70 (8, 9, 11, 12, 14, 15)<br>P.A.C. 272 (3X) (1, 2, 3, 4, 6, 8, 9)<br>P.A.C. SX 310 (2X) (1, 2, 8)   | <b>Wycokff W 5 X (3, 4, 6)</b><br><b>Wycokff W 9 X (3)</b><br><b>Wycokff W 10 A (3, 4, 6)</b>  |
| <b>Edward J. Funk &amp; Sons, Kentland, Indiana</b><br>Supercrost S 30 A (2X) (1, 2, 9, 10)<br>Supercrost S 35 (2X) (11, 12)<br>Supercrost S 268 (2X) (1, 2, 11, 12, 13)<br>Supercrost 2570 (9)   | <b>Michigan Crop Improvement Association, East Lansing, Michigan</b><br>Michigan 200 (10, 17, 18, 19, 20, 21)<br>Michigan A.E.S. 202 (10, 17, 18, 19, 20, 21)<br>Michigan 250 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Michigan 270 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Michigan 280 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Michigan 300 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21)<br>Michigan 370 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18)<br>Michigan 400 (1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18)<br>Michigan 402-2x (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18)<br>Michigan 425 (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 430 (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 463-3x (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 490 (1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 500-2X (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 550 (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 570 (1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16)<br>Michigan 620 (1, 2, 3, 4, 5, 9, 12) | <b>Pioneer Corn Co., Inc., Tipton, Indiana</b><br>Pioneer PXE-1 (21)<br>Pioneer 354 A (1, 2)   |  |