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Michigan State University Extension Service
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Michigan Corn Production

HYBRIDS COMPARED 1975

COOPERATIVE EXTENSION
MICHIGAN STATE UNIVERSITY

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HYBRID CORN TRIALS are conducted each year by the Michigan Experiment Station in cooperation with the Cooperative Extension Service, Michigan Crop Improvement Association, seed corn companies and farmers.

Many different hybrids are offered for sale in Michigan. They differ in yield ability, maturity, lodging resistance and other characteristics. Choosing the best corn hybrids is an important part of profitable corn production. Higher yields and other improvements from planting the best hybrids are obtained with little or no increase in production costs. Seed of the best hybrids generally cost no more than seed of hybrids with lower performance.

Highest yielding corn hybrids in the 1974 trials produced 23 bushels more corn per acre than the average of 339 hybrids tested and 54 bushels more than the lowest yield hybrids tested (Table A, page 4). The respective yields were 128, 105 and 74 for the highest, average and lowest yielding hybrids at the 16 testing locations. The driest hybrids at harvest contained 7% less moisture than the average and 16% less moisture than the wettest hybrids tested. Stalk breakage averaged 7%, 1% and 0% for hybrids with highest, average and lowest amounts of stalk lodging.

ENTRIES

Two groups of entries are included in the trials:

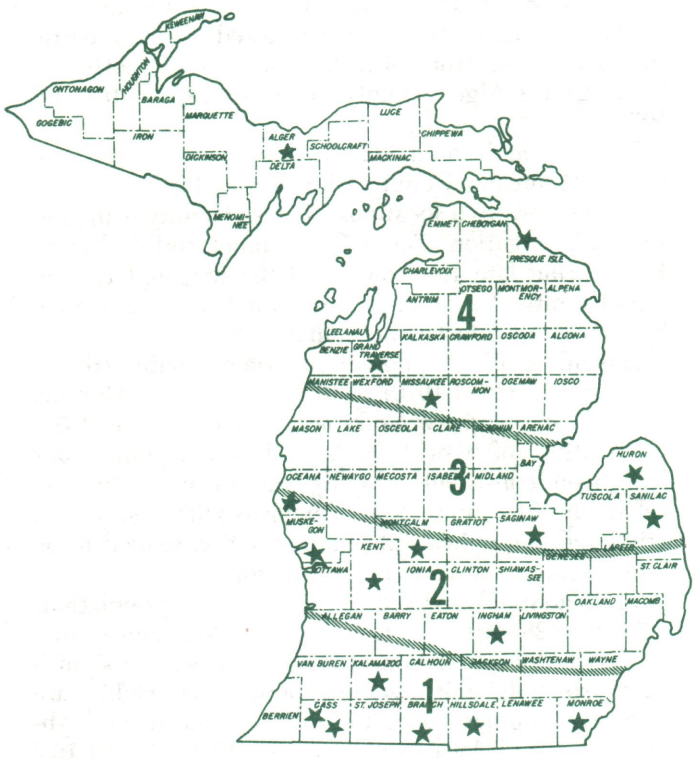
1) **Voluntary entries** – all seed companies are invited each year to enter hybrids in the trials. A fee is charged to cover some of the direct expenses.
2) **Extension entries** – Extension entries are included to provide performance data on some of the hybrids not entered as voluntary entries. They are hybrids suggested by County Extension personnel on the basis of extent of use in the various areas of the state.

No distinction between, or identification of, Voluntary and Extension entries is made in reporting the results.

All hybrids were randomized and compared in the same field using the same procedures for all.

Table 22 presents an index of all hybrids entered in the 1974 trials. 339 hybrids were tested as 1,554 entries at 16 testing locations. Company names used in association with hybrid numbers refer to the brand and the number is the hybrid designation.

Single-cross hybrids are indicated with (2X), three-way hybrids with (3X), double-cross hybrids with (4X)



Corn Maturity Zones and Locations (★) of Trials

and special cross hybrids with (Sp) following the hybrid name and number in the tables. A few waxy and high lysine (opaque) hybrids were included in the 1974 trials. These are indicated by the letters WX (waxy) and HL (high lysine) at the end of the appropriate hybrid designation in the table.

Michigan experimental hybrids are not listed since seed is not yet available for farm use.

METHODS

Scientific procedures are followed in conducting these trials to give all hybrids equal opportunity to 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 seed companies. An equal number 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 the chance of 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 Ingham, Huron, Missaukee and Presque Isle County trials (Tables 10, 14, 18 and 20). The 1974 silage trial in Alger County was not harvested due to eratic stands resulting from bird damage. Data reported in Table 21 for Alger County are from 1973, 1972 and 1971.

Irrigated and non-irrigated comparisons were made in the Montcalm County trial (Table 15).

There were two locations in Cass County – upland soil with irrigation (Table 5) and muck soil (Table 6). Hail during late June damaged the irrigated trial in Cass County. Visual observations indicated that some hybrids were injured more than others.

Hybrid x plant population trials conducted for seven years (1964-1970) at three locations (Monroe, Ingham, and Saginaw Counties) were omitted in 1974. Correlations of hybrid yields at different populations had been consistently highly significant, indicating relatively little interaction of hybrids with population. High yielding hybrids at one population tended to be high yielding at another population.

Five adapted hybrids at four plant populations (15,000 to 28,000) were tested at most locations (Table B). Hybrid x population interactions were not significant; so only the average population yields are reported. Populations of 18-19,000 produced the highest yields at all locations, averaging 12.4, 5.6 and 12.7 bushels more than populations of 15,500, 23,400, and 28,200 respectively. In general, moisture content averaged .5 to 2.0% higher for the higher populations. There was slightly more stalk lodging at the higher populations but the differences were small at most locations in 1974.

Hybrid x row width (36-, 30- and 18-inch row spacings) trials conducted for six years at Ingham County were also omitted in 1974. Correlations of hybrid yields at different row spacings had been consistently highly significant indicating that hybrids tended to respond relatively alike regardless of row spacing.

Planting of all trials was completed between April 25 and June 1. Heavy rain during the last half of May delayed planting at some locations. On May 18, only 34% of the corn acreage was planted, compared with 37% in 1973 and an average of 49%. 90% of the acreage was planted by the end of the first week of June, compared with only 68% in 1973 and the average of 93%.

Temperatures during April were about normal, up to 4° below normal for May and June, near normal during July and August, up to 4° below normal in September, and 3-5° below normal in October. Seasonal precipitation varied from 4-6 inches below normal in southern Michigan to 6-8 inches above normal in northern Michigan. Dry weather during July and August delayed plant development and reduced yields at most testing locations. Adequate or near adequate rainfall occurred at testing locations in the "thumb" and northern Michigan.

Tasseling and maturity were delayed about 10 days compared to normal due to cool wet weather in May and June followed by dry weather stress in July and August and cool temperatures, in the low 30's, in early September. Killing frosts occurred on September 22 and 23 with heavy frosts in early October.

Moisture contents at harvest were unusually high due to late maturity and pre-mature frosts which slowed the rate of dry-down in the field. Some hybrids at most locations failed to reach complete maturity before frost. Grain corn was 35% harvested by November 4 compared with 67% in 1973 and 57% for the five-year average.

The Michigan Crop Reporting Service estimates the 1974 average corn yield at 63 bushels per acre compared to 79 in 1973, 83 (a record high) in 1972, 65 in 1971, and 79 in 1970. 1,730,000 acres were indicated for grain harvest and about 580,000 acres for silage in 1974. A grain corn crop of 108,990,000 bushels was forecast, 18% smaller than 1973 and 31% smaller than the 1972 crop.

HOW TO USE THIS BULLETIN

One-, two-, and three-year averages are presented for all hybrids tested during 1974, 1973, and 1972. 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 the number of 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 content was 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 as "least significant difference", 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 HYBRID

Adaptation – The map on the cover shows the location of the trials 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.

Planting Rate – High plant populations (20,000 or more per acre) should be considered only for soils consistently producing more than 100 bushels per acre. Rainfall deficiencies with high plant populations usually result in no increase and frequently a decrease in yield compared to 18,000 to 19,000 plants per acre. Lodging and harvest losses are often greater at higher populations.

Maturity – Hybrids are listed in the tables in order of maturity – early to late – based on moisture content of the grain at harvest. This is usually a reasonably accurate measure of relative maturity in most years in Michigan. Early maturing hybrids will be generally lower in moisture content than later maturing hybrids. Difference among hybrids in rate of drying in the field also affects moisture content at harvest but usually does not greatly disturb the relative maturity ratings as determined by moisture content.

Moisture contents at harvest were unusually high in 1974 due to late maturity and pre-mature frosts which slowed rate of drying in the field.

One percent more moisture at harvest means a delay in maturity of about two days. Corn is mature when moisture is down to about 32% in the grain or 38% in the ear.

For Grain – It is better to choose an early corn (below average moisture content) than a late corn for grain. The tables show that good yields do 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 reduce drying costs and market discounts for moisture.
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.

TO AVOID MOLDY CORN IN 1975

The following recommendations will help avoid a moldy corn problem in 1975:

1. Plant early.
2. Plant early to medium-early maturing hybrids.
3. Harvest early – during October. Weather problems and harvest losses increase with later harvests.
4. Plan for adequate artificial drying. Drying in the field and in the crib is slow and undependable in Michigan. Ready access to drying facilities will permit more timely harvest with less harvest loss and more corn profits.

HYBRID SEED CORN FOR 1975

Supplies of hybrid seed corn for 1975 will be tight and some of it will be below 90% in germination. Delayed planting due to wet weather in May, drouth in July and August, and frost in September and October seriously reduced the quantity and quality of seed corn in most of the major seed producing states.

Farmers may not be able to obtain all the seed they want of some hybrids and may have to switch part of their acreage to other hybrids where the seed supply may be more adequate and/or better quality.

There will probably not be enough seed with 90%, or better, germination to plant the entire 1975 crop. Some seed with germinations in the 80's and 70's (possibly even lower) will have to be planted. In addition to reduced germination, some of the seed is immature and may have low seedling vigor under adverse field conditions.

State and federal seed laws require that the germination precentage be correctly labeled on the seed tag. This germination test is conducted in the seed laboratory with optimum conditions of temperature and moisture. These conditions seldom exist in the field and field germination is usually less than the laboratory germination. The difference between laboratory and field germination increases when adverse (cold and wet) conditions occur in the field.

The best seed should be used for early planting (April 25-May 15) and seed with low germination used for later plantings. For early planting with 90% or better germination seed, 20% more seed than the desired harvest plant population should be planted. For late plantings, the seed count per acre should be 10% more than the desired harvest-time population. Seeding rates should be increased proportionately for seed with low germination. For example, with seed germinating 80% and planted early, at least 26,000 seeds per acre should be planted to obtain 20,000 plants at harvest.

Plant population will be difficult to adjust with the usual precision when low germination seed is planted. More variability in plant spacing within the row may occur.

F_2 (second generation) seed is seed that was harvested from a commercial grain production field that was planted with F_1 hybrid seed. F_2 seed is rarely recommended or used and then only in an emergency where F_1 seed is not available. Theoretically, corn grown from F_2 seed will yield 25% less (and up to 50% less in some field comparisons) than a crop planted with F_1 seed.

Farmers who might contemplate using F_2 seed from a crib or bin should have it tested for germination. Most crib or bin stored grain is likely to have a low germination.

As long as F_1 seed of useable quality is available, F_2 seed should not be planted.

Table A. Average, highest, and lowest moisture content, grain yield and stalk lodging at 16 locations in 1974.

Location	No. of hybrids	% Moisture			Bushels per acre			% Stalk lodging		
		Avg.	Highest	Lowest	Avg.	Highest	Lowest	Avg.	Highest	Lowest
Monroe	95	32.4	43.4	22.7	87.6	120.2	60.5	0.8	7.2	0.0
Hillsdale	114	28.6	35.3	21.7	114.7	141.4	84.0	0.2	4.9	0.0
Branch	123	25.3	31.0	19.2	128.0	158.7	94.4	1.0	6.4	0.0
Kalamazoo	74	33.1	40.5	24.4	91.0	110.9	72.3	1.7	5.8	0.0
Cass—Upland Irrigated	75	26.7	39.1	20.1	86.9	118.7	61.8	1.8	12.8	0.0
Cass—Muck	70	34.7	43.0	25.3	121.9	152.0	73.8	1.9	6.6	0.0
Kent	74	27.4	40.6	20.2	100.4	118.7	76.5	1.4	5.8	0.0
Muskegon	63	33.3	46.1	26.3	78.5	97.7	57.9	0.0	0.0	0.0
Ingham	104	34.6	41.4	26.8	119.0	143.4	95.2	0.3	3.5	0.0
Sanilac	86	32.5	39.4	25.6	102.8	121.0	80.9	0.2	3.2	0.0
Saginaw	101	27.4	36.5	22.5	139.5	163.8	103.6	2.2	13.3	0.0
Huron	105	29.2	38.4	21.8	128.0	155.4	95.1	1.9	10.0	0.0
Montcalm—Irrigated	76	35.0	40.4	27.4	112.1	133.7	65.3	0.4	5.1	0.0
Montcalm—Not Irrigated	76	35.0	40.4	27.4	102.7	121.9	57.8	0.7	5.6	0.0
Oceana	63	32.7	44.5	24.9	93.0	109.7	65.0	0.9	10.7	0.0
Grand Traverse	37	32.4	38.6	26.1	82.1	105.7	54.4	2.1	13.4	0.0
Presque Isle	37	48.7	56.3	40.5	87.0	100.3	65.1	1.1	12.0	0.0
Average		32.1	40.9	24.7	104.4	127.8	74.3	1.1	7.4	0.0

Table B. Average yield, % moisture, and % stalk lodging at four plant populations for 16 locations in 1974.

Location	Bushels per acre				% Moisture in grain				% Stalk lodging			
	15,500	19,200	23,400	28,200	15,400	19,200	23,400	28,200	15,400	19,200	23,400	28,200
Monroe	83.5	101.4	93.6	90.9	31.2	31.8	32.0	32.8	0.1	0.4	1.8	3.3
Hillsdale	105.7	121.3	115.7	110.1	26.7	26.9	27.7	28.5	1.1	2.8	4.0	2.4
Branch	126.8	141.3	147.8	138.0	24.9	25.7	27.2	27.7	0.5	2.8	3.0	4.8
Kalamazoo	84.9	93.8	80.3	72.4	31.4	32.1	33.3	34.1	2.1	3.0	5.1	4.0
Cass—Irrigated	75.9	88.8	90.3	80.5	27.3	27.3	28.2	29.1	0.8	2.0	2.9	4.2
Cass—Muck	123.2	140.7	130.1	127.6	32.4	32.9	33.1	34.2	1.5	1.4	4.4	4.9
Kent	103.7	111.2	102.0	96.9	24.3	25.0	26.2	26.6	0.8	1.8	2.0	4.0
Muskegon	80.8	88.1	85.8	75.3	32.9	33.0	34.4	34.7	0.0	0.2	1.0	0.9
Ingham	121.1	133.5	128.2	120.2	31.0	31.8	32.2	33.1	0.1	2.1	1.8	2.2
Sanilac	96.9	110.4	111.5	100.4	32.0	32.9	33.9	34.6	1.2	1.2	3.0	4.4
Saginaw	143.6	159.1	150.4	144.3	25.9	26.7	28.0	28.4	3.5	4.9	5.4	7.0
Huron	123.7	141.2	135.7	130.4	27.8	28.0	29.2	30.1	1.3	3.6	4.6	5.9
Montcalm—Irrigated	117.9	129.8	135.3	120.4	33.7	33.7	35.0	35.8	0.0	0.7	1.0	2.9
Montcalm—Not Irrigated	100.4	111.2	97.5	93.9	32.2	33.4	34.2	35.0	0.3	2.0	1.8	3.4
Oceana	89.5	104.7	91.3	80.6	28.4	28.4	30.2	31.3	0.9	2.0	2.1	4.4
Grand Traverse	90.1	101.7	88.2	80.3	29.9	31.0	31.5	33.0	3.0	4.6	6.0	8.8
Average	98.1	110.5	104.9	97.8	27.8	28.3	29.2	29.9	1.0	2.0	2.9	4.0

Table 1. SOUTHERN MICHIGAN Zone 1
MONROE COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture			Bushels per acre			% Stalk lodging		
	1974	2 Yrs	3 Yrs	1974	2 Yrs	3 Yrs	1974	2 Yrs	3 Yrs
Michigan 280 (4X)	22.7	21	21	76.5	83	94	0.0	4	3
Michigan 333-3X (3X)	23.7	21	22	83.1	94	107	0.0	1	1
DeKalb XL 12 (2X)	25.2	—	—	87.7	—	—	0.0	—	—
Migro M-0101 (2X)	25.4	—	—	80.0	—	—	0.0	—	—
Golden Harvest H-2355 (2X)	26.4	—	—	93.5	—	—	0.0	—	—
Pioneer 3784 (2X)	26.5	23	—	80.9	94	—	0.0	1	—
Michigan 396-3X (3X)	26.7	23	23	92.5	111	120	0.0	0	0
Funk G 4404 (2X)	26.9	23	—	85.6	106	—	0.0	1	—
Super Crost S25 (2X)	27.0	23	—	91.2	120	—	0.0	1	—
*Blaney 7305 (2X)	27.1	—	—	103.0	—	—	2.3	—	—
Migro M-1020 (Sp)	27.4	—	—	71.6	—	—	0.0	—	—
Adler 23X (2X)	27.6	24	24	84.2	109	117	0.0	0	1
Taylor-Evans Timemaster (4X)	27.9	25	25	56.7	82	91	0.8	1	1
Golden Harvest H-2420 (2X)	27.9	—	—	88.4	—	—	2.8	—	—
*Pioneer 3780 (2X)	27.9	24	—	120.2	133	—	0.0	2	—
*Michigan 407-2X (2X)	28.0	24	—	112.9	134	—	0.0	2	—
*Michigan 410-2X (2X)	28.2	24	25	101.3	124	132	0.0	1	1
Funk G 4343 (2X)	28.2	25	—	93.1	107	—	7.2	4	—
Gutwein 40 (2X)	28.4	24	25	92.0	123	130	1.4	1	1
Funk G 4288 (3X)	28.4	—	—	91.3	—	—	1.4	—	—
Wolverine W172 (2X)	28.6	24	25	80.4	114	122	0.7	1	1
*Blaney 8606 (2X)	28.8	—	—	102.3	—	—	0.0	—	—
Todd M 22 (2X)	29.1	—	—	74.7	—	—	0.0	—	—
*Pioneer 3535 (2X)	29.2	—	—	118.2	—	—	0.0	—	—
Gutwein 27 (2X)	29.2	26	26	90.6	115	129	0.7	2	2
Acco DC 394 (3X)	29.4	26	—	84.7	95	—	0.0	3	—
*Michigan 572-3X (3X)	29.4	26	26	113.9	131	138	0.0	2	3
*Wolverine W174 (2X)	29.4	—	—	104.5	—	—	0.0	—	—
Funk GWX 520 (2X)	29.4	—	—	89.7	—	—	2.2	—	—
*Funk G 4321 (2X)	29.5	—	—	112.9	—	—	0.7	—	—
Pride R 728 (3X)	29.7	26	27	93.2	117	124	1.5	1	1
Super Crost 2890 (2X)	29.8	—	—	85.2	—	—	0.0	—	—
O's Gold SX-1100 (2X)	30.0	—	—	94.1	—	—	0.7	—	—
*DeKalb XL 42 (2X)	30.0	—	—	111.3	—	—	0.0	—	—
Voris V 2452 (2X)	30.1	—	—	76.9	—	—	0.8	—	—

(Continued)

TABLE 1. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Golden Harvest H 2385 (3X)	30.2	—	—	82.5	—	—	0.8	—	—
Funk Exp. 26529 (2X)	30.3	—	—	81.3	—	—	1.5	—	—
Migro M-1212 (2X)	30.6	26	26	74.7	102	105	0.0	1	1
*Funk G 4366 (3X)	30.6	27	—	100.5	118	—	3.8	6	—
*Wolverine W 177 (2X)	30.8	—	—	101.4	—	—	0.8	—	—
Acco DC 441 (4X)	30.8	27	26	73.1	95	103	0.0	1	1
*Michigan 500-2X (2X)	30.8	27	27	98.0	120	127	0.0	3	3
Super Crost S 27 (2X)	31.0	27	28	85.0	120	121	0.0	0	0
Gutwein 46 (2X)	31.1	—	—	84.3	—	—	0.0	—	—
O's Gold SC-2145 (2X)	31.2	—	—	79.3	—	—	0.7	—	—
*Cowbell 7480 (2X)	31.4	—	—	97.8	—	—	0.8	—	—
*Migro M-1130 (2X)	31.7	27	—	115.2	129	—	0.7	1	—
*Funk G 4444 (2X)	31.8	27	28	100.0	121	124	2.2	3	2
Taylor-Evans Marketmaker (2X)	31.8	28	28	93.1	115	123	0.8	1	1
Funk G-L 2384 (Sp) HL	32.0	—	—	96.3	—	—	3.1	—	—
Super Crost 4242 (2X)	32.1	28	28	75.4	102	116	2.2	2	2
*Michigan 575-2X (2X)	32.2	27	27	98.1	125	135	1.9	2	2
Pioneer 3518 (Sp.)	32.6	28	28	88.3	113	124	0.8	1	0
Adler 413 (3X)	32.7	28	28	81.7	105	114	0.0	0	0
*Cardinal SX 112 (2X)	32.7	—	—	101.4	—	—	0.0	—	—
*Northrup King PX 50A (2X)	32.8	—	—	102.7	—	—	0.0	—	—
*Funk G4384A (Sp)	32.9	28	—	100.9	117	—	1.5	3	—
OYO 220 (2X)	32.9	27	26	78.8	86	100	0.0	3	2
*Acco UC 3201 (2X)	33.0	27	28	98.5	122	123	0.0	2	2
*Gutwein 69A (2X)	33.0	29	28	97.8	125	132	3.5	2	2
*Cargill 890 (2X)	33.0	—	—	97.8	—	—	1.4	—	—
*Northrup King PX 48 (2X)	33.1	—	—	102.2	—	—	3.0	—	—
Gutwein 58 (2X)	33.1	—	—	96.6	—	—	1.6	—	—
OYO 333 (2X)	33.6	29	29	82.4	106	118	0.7	5	4
Super Crost 2772 (2X)	33.7	28	—	95.2	120	—	0.0	1	—
Pioneer 3517 (Sp.)	33.7	—	—	88.6	—	—	0.0	—	—
Migro M-3020 (4X)	33.8	29	29	71.7	104	120	2.2	3	2
Migro M-1010A (2X)	33.8	—	—	71.4	—	—	0.0	—	—
Todd M58 (2X)	34.1	—	—	72.0	—	—	0.8	—	—
Northrup King PX610A (3X)	34.2	—	—	69.6	—	—	0.0	—	—
Acco UC 3301 (2X)	34.3	28	28	78.2	110	116	0.0	0	1
O's Gold 3104 (3X)	34.6	—	—	68.0	—	—	1.5	—	—
*Garno S110 (2X)	34.7	29	—	103.6	121	—	1.4	1	—
Super Crost 2572 (2X)	35.0	29	—	87.9	110	—	0.0	0	—
Blaney B 705 (2X)	35.5	31	—	74.2	116	—	0.0	0	—
Northrup King PX65	36.1	—	—	78.0	—	—	0.0	—	—
DeKalb XL 43A (2X)	36.9	—	—	80.5	—	—	0.0	—	—
*Super Crost S 63 (2X)	37.2	30	29	104.6	128	133	0.0	1	1
Golden Harvest H-2450 (2X)	37.2	—	—	95.3	—	—	2.2	—	—
*Pride 6694 (2X)	38.5	—	—	100.8	—	—	0.0	—	—
Adler 63X (2X)	39.1	—	—	84.5	—	—	0.0	—	—
Northrup King PX 606 (3X)	39.1	—	—	69.6	—	—	1.6	—	—
Gutwein 48 (2X)	39.2	31	—	70.7	113	—	1.5	2	—
P.A.G. SX397 (2X)	39.4	—	—	77.8	—	—	1.5	—	—
Golden Harvest H-2500 (2X)	39.4	—	—	76.7	—	—	0.0	—	—
Migro M-0501 (2X)	39.4	32	31	73.3	106	122	0.0	1	0
Northrup King PX74 (2X)	39.5	—	—	84.4	—	—	0.0	—	—
*Voris V2532 (2X)	39.5	—	—	97.8	—	—	0.0	—	—
Taylor-Evans Bonusmaker (2X)	40.1	—	—	60.5	—	—	2.4	—	—
Gutwein 62 (2X)	40.4	—	—	63.7	—	—	0.7	—	—
Super Crost 5440 (2X)	40.9	34	—	63.7	104	—	0.0	1	—
Voris V2562 (2X)	41.6	—	—	70.3	—	—	0.0	—	—
OYO 375 (2X)	42.1	—	—	71.9	—	—	0.0	—	—
Blaney B 805 (2X)	42.6	—	—	64.4	—	—	0.0	—	—
Trojan TXS 113 (2X)	43.4	34	32	72.5	100	118	0.0	0	0
Average	32.4	27	27	87.6	112	119	0.8	2	1
Range	22.7 to 43.4	21 to 34	21 to 32	60.5 to 120.2	82 to 134	91 to 138	0.0 to 7.2	0 to 6	0 to 4
Least significant difference	1.5	1	1	10.1	7	6			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 24	May 7	May 12
Harvested	Oct. 29	Oct. 20	Nov. 8
Soil Type	Pewamo	Pewamo	Brookston clay loam
Previous crop	Wheat seeded to clover	Corn	Corn
Population	20,000	18,800	19,800
Rows	30"	30"	38"
Fertilizer	96-92-92	120-80-90	166-126-126
Soil test: pH	6.5	6.3	7.2
P	57 (very high)	34 (medium)	43 (high)
K	234 (high)	250 (high)	194 (high)

Farm Cooperators: Earnest LaPointe, Ottawa Lake (1974, 1973); Harley Lievens, Riga (1972)

County Extension Director: Paul Nevel, Monroe

Table 2. SOUTHERN MICHIGAN Zone 1
HILLSDALE COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Migro M-0101 (2X)	21.7	—	—	92.7	—	—	0.0	—	—
Michigan 333-3X (3X)	21.9	21	22	111.1	107	110	1.0	2	3
Michigan 280 (4X)	22.1	21	22	109.4	102	105	0.0	1	5
Migro M-1020 (Sp)	23.1	—	—	85.3	—	—	0.0	—	—
Blaney B-302 (2X)	24.0	22	23	101.6	103	109	0.0	0	1
Blaney 7305 (2X)	24.9	—	—	94.4	—	—	0.0	—	—
Todd MX 22 (2X)	24.9	—	—	114.1	—	—	0.0	—	—
Michigan 396-3X (3X)	25.0	23	24	125.2	115	121	0.0	0	2
*Gutwein 40 (2X)	25.2	23	—	128.6	117	—	0.0	2	—
Todd 330 (3X)	25.2	24	24	90.5	86	99	0.0	2	6
Lowe LTX-1 (3X)	25.2	24	—	111.3	107	—	0.0	1	—
Funk G 4343 (2X)	25.3	24	24	118.5	111	117	0.0	1	3
Todd M 20 (2X)	25.5	23	25	88.2	85	92	0.0	0	2
Warwick TX 32 (3X)	25.6	—	—	84.0	—	—	0.9	—	—
Michigan 407-2X (2X)	25.7	24	25	122.0	123	131	0.8	3	4
Blaney BX-AA (2X)	26.0	24	—	107.1	106	—	0.0	1	—
Super Crost 1901 (2X)	26.2	—	—	119.7	—	—	0.0	—	—
Warwick SL 501 (Sp)	26.4	24	25	111.6	108	115	0.0	1	2
Jacques JX 122 A (2X)	26.4	—	—	115.3	—	—	0.0	—	—
Funk G 4288 (3X)	26.5	—	—	125.3	—	—	0.0	—	—
*Funk G 4404 (2X)	26.5	24	—	131.4	119	—	0.8	2	—
Migro M-1212 (2X)	26.7	25	—	120.5	113	—	0.0	1	—
*Wolverine W 177 (2X)	26.8	—	—	139.2	—	—	0.0	—	—
Migro M-1101 (2X)	26.9	24	25	100.5	104	113	0.0	1	5
*Michigan 410-2X (2X)	26.9	24	25	139.0	129	131	0.0	2	3
Northrup King PX 545 (3X)	26.9	25	27	116.7	108	118	0.0	1	2
*Funk G 4321 (2X)	27.1	—	—	135.2	—	—	0.0	—	—
Super Crost W-1900 (2X)	27.4	24	—	111.1	107	—	0.0	2	—
Super Crost S 25 (2X)	27.5	25	27	104.6	114	125	0.0	0	2
Todd M 50 (2X)	27.5	25	—	124.0	106	—	0.0	1	—
Pioneer 3773 (2X)	27.5	25	27	117.8	106	116	0.0	0	3
Hulting X 537 (2X)	27.5	26	27	105.7	94	104	0.0	1	1
OYO 220 (2X)	27.5	25	28	110.4	98	110	1.5	1	3
*Michigan 572-3X (3X)	27.5	25	26	134.6	126	132	0.0	1	2
*Wolverine W 170 (2X)	27.7	25	—	133.4	127	—	0.0	0	—
Wolverine W 176 (2X)	27.8	—	—	112.3	—	—	0.0	—	—
*Funk GWX 302 (Sp) WX	27.9	—	—	141.2	—	—	0.0	—	—
Super Crost S 29 (2X)	27.9	26	—	103.8	106	—	0.0	2	—
Super Crost 4242 (2X)	27.9	26	29	122.6	117	123	0.0	1	1
Super Crost S 27 (2X)	28.0	26	28	124.1	115	126	0.0	2	2
Blaney B-501 A (2X)	28.0	25	27	112.2	101	111	0.0	3	3
Gutwein 46 (2X)	28.0	—	—	112.2	—	—	0.0	—	—
*Pioneer 3780 (2X)	28.0	26	—	127.9	116	—	0.0	1	—
Super Crost 2572 (2X)	28.0	27	—	114.2	104	—	0.0	3	—
Cowbell SX 7480 (2X)	28.0	—	—	120.0	—	—	0.0	—	—
*Cowbell SX 7300 (2X)	28.0	—	—	131.9	—	—	0.0	—	—
Muncy Chief SX 440 (2X)	28.3	26	28	101.8	96	110	0.0	1	1
Warwick SL 601 (2X)	28.4	—	—	117.3	—	—	0.8	—	—
*Wyckoff 2414 SX (2X)	28.5	26	29	132.2	121	126	0.0	3	3
Todd M 58 (2X)	28.5	—	—	119.2	—	—	0.0	—	—
Pride R 728 (3X)	28.6	26	—	107.1	115	—	0.0	0	—
Garno S 96 (2X)	28.6	26	—	106.1	96	—	0.0	2	—
Funk G-2384 (Sp) HL	28.7	—	—	97.5	—	—	4.9	—	—
Pioneer 3535 (2X)	28.7	—	—	122.9	—	—	0.8	—	—
Garno S 106 (2X)	28.7	—	—	124.9	—	—	0.0	—	—
Michigan 500-2X (2X)	28.7	26	27	116.6	115	122	0.0	1	2
Funk G 4366 (3X)	28.7	27	—	113.2	114	—	0.0	1	—
Garno S 110 (2X)	28.8	—	—	122.8	—	—	0.0	—	—
Funk G 4444 (2X)	28.9	26	29	124.9	114	122	0.8	1	2
*Lowe LSX2TP (2X)	28.9	27	29	132.0	124	127	0.8	5	4
*Blaney B-AA (2X)	28.9	27	28	128.3	121	128	0.0	2	3
Migro M-3020 (4X)	28.9	27	29	116.0	106	117	0.0	1	1
DeKalb XL 44 (2X)	28.9	27	29	106.4	108	108	0.0	2	3
Acco UC 4201 (2X)	29.0	28	—	119.8	122	—	0.0	0	—
P.A.G. SX 7 (2X)	29.0	28	—	126.6	122	—	0.0	1	—
DeKalb XL 22 (2X)	29.1	27	29	114.8	107	117	0.0	2	2
Funk Exp. 26529 (2X)	29.1	—	—	103.2	—	—	0.0	—	—
OYO 333 (2X)	29.3	27	29	113.4	105	115	0.0	1	1
Michigan 575-2X (2X)	29.3	27	29	126.4	120	129	1.1	1	1
Adler 23X (2X)	29.3	25	27	101.4	100	110	0.0	3	4
Bayless Exp. SX 72-3-18 (2X)	29.6	—	—	114.8	—	—	0.0	—	—
Northrup King PX50A (2X)	29.7	27	—	126.5	121	—	0.0	2	—
Gutwein 69A (2X)	29.7	28	—	121.1	114	—	0.8	3	—
Super Crost S 63 (2X)	29.8	28	28	113.9	117	126	0.0	2	3
Wolverine W 174 (2X)	29.8	—	—	116.0	—	—	0.0	—	—

(Continued)

TABLE 2. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Hulting 9761 (3X)	29.8	—	—	113.9	—	—	0.0	—	—
Migro M-1010 A (2X)	29.8	—	—	91.2	—	—	0.0	—	—
Super Crost 2772 (2X)	29.9	27	—	98.5	110	—	0.0	2	—
Cardinal SX 112 (2X)	29.9	—	—	106.3	—	—	0.0	—	—
Todd M 30 (2X)	29.9	—	—	109.6	—	—	0.8	—	—
*Bayless SX 434 (2X)	29.9	—	—	135.5	—	—	0.0	—	—
Hulting X 534 (2X)	29.9	28	29	101.7	94	108	0.8	1	1
*Acco UC 3301 (2X)	29.9	27	30	131.1	115	122	0.0	1	4
Blaney B 606 (2X)	30.0	—	—	113.7	—	—	0.7	—	—
*Trojan TXS102A (2X)	30.0	—	—	128.4	—	—	0.0	—	—
Northrup King PX 48 (2X)	30.0	—	—	99.7	—	—	0.0	—	—
Hulting X9770 (3X)	30.1	27	30	110.6	104	112	0.8	6	5
Pioneer 3518 (Sp)	30.2	28	30	102.8	111	119	0.0	1	3
Funk GWX 520 (2X)	30.2	—	—	105.6	—	—	0.0	—	—
Funk G 4384A (Sp.)	30.2	27	—	108.7	114	—	0.7	1	—
Adler 413 (3X)	30.4	28	30	96.4	98	102	0.0	2	3
*Trojan TXS 102 (2X)	30.4	27	28	135.1	126	132	0.0	2	2
Northrup King PX610A (3X)	30.5	—	—	126.6	—	—	0.0	—	—
Super Crost 2890 (2X)	30.5	—	—	111.0	—	—	0.0	—	—
*Migro M-1130 (2X)	30.6	28	—	136.0	121	—	0.0	0	—
*Trojan TXS113 (2X)	30.7	28	31	140.0	132	137	0.7	1	3
Northrup King PX 606 (3X)	30.8	—	—	107.7	—	—	0.8	—	—
*Wyckoff 3537 SX (2X)	31.0	—	—	141.4	—	—	0.0	—	—
DeKalb XL 38 (2X)	31.3	—	—	101.2	—	—	0.0	—	—
Pioneer 3517 (Sp.)	31.4	—	—	122.4	—	—	0.0	—	—
Muncy Chief SX 550 (2X)	31.6	28	31	92.6	101	101	0.0	0	2
Adler 63X (2X)	31.6	—	—	94.3	—	—	0.0	—	—
Trojan TXS 108A (2X)	31.7	—	—	115.1	—	—	1.5	—	—
Hulting X770 (2X)	31.8	28	30	99.0	110	121	0.0	2	3
Northrup King PX 65 (2X)	31.8	—	—	122.7	—	—	0.0	—	—
Migro M-0501 (2X)	32.1	30	32	108.3	97	114	0.0	0	1
Hulting X 6861 (3X)	32.2	—	—	95.6	—	—	0.0	—	—
OYO 375 (2X)	32.4	—	—	119.1	—	—	0.0	—	—
Watson 416-H (2X)	32.5	—	—	111.6	—	—	0.0	—	—
Blaney B805 (2X)	32.8	—	—	91.2	—	—	0.0	—	—
*Gutwein 62 (2X)	32.8	—	—	133.2	—	—	0.0	—	—
Muncy Chief SX 662 (2X)	33.3	31	33	118.4	114	122	0.0	0	2
Northrup King PX 74 (2X)	33.5	—	—	114.0	—	—	0.8	—	—
Super Crost 5440 (2X)	35.3	32	—	93.8	100	—	0.0	0	—
Average	28.6	26	28	114.7	110	117	0.2	1	3
Range	21.7 to 35.3	21 to 32	22 to 33	84.0 to 141.4	85 to 132	92 to 137	0 to 4.9	0 to 6	1 to 6
Least significant difference	1.3	0.8	0.7	12.8	8	6			

*Significantly better than average yield in 1974

	1974	1973	1972
Planted	May 6	May 14	May 23
Harvested	Oct. 18	Oct. 17	Nov. 11-29
Soil type	Griffin sandy loam	Griffin sandy loam	Griffin sandy loam
Previous crop	Corn	Corn	Corn
Population	20,200	19,800	19,800
Rows	30"	30"	30"
Fertilizer	105-60-180	18-72-72	116-65-185
Soil test: pH	6.6	6.5	5.9
P	84 (high)	63 (high)	60 (high)
K	150 (medium)	154 (medium)	170 (medium)

Farm Cooperator: Dean Shamplo, Pittsford

County Extension Agent: E. A. Netherton, Hillsdale

Table 3. SOUTHERN MICHIGAN Zone 1
BRANCH COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Michigan 280 (4X)	19.2	19	20	107.2	115	109	1.0	4	16
Migro M-0101 (2X)	20.4	—	—	105.8	—	—	0.0	—	—
Garno S85 (2X)	20.6	21	—	99.8	111	—	0.9	0	—
Michigan 333-3X (3X)	20.7	20	21	117.7	128	125	0.9	0	9
Michigan 396-3X (3X)	21.0	21	22	124.7	134	132	0.0	0	10
Michigan 407-2X (2X)	21.7	22	—	138.1	152	—	3.1	3	—
Golden Harvest H-2355 (2X)	21.8	—	—	124.7	—	—	0.0	—	—
Migro M-1020 (Sp.)	22.0	—	—	110.5	—	—	4.0	—	—
Gutwein 40 (2X)	22.0	22	—	134.8	151	—	1.5	1	—
Golden Harvest H-2420 (2X)	22.1	—	—	123.9	—	—	1.5	—	—
Moews WM 220 (2X) WX	22.3	22	—	110.2	133	—	1.6	1	—
Super Crost S25 (2X)	22.4	22	24	135.8	149	148	0.0	0	8
Wyckoff 1212 SX (2X)	22.6	22	23	94.4	121	123	3.9	3	10
Bayless 3X219-3 (3X)	22.8	22	—	117.8	131	—	0.0	2	—
Adler 23X (2X)	22.9	25	25	126.9	134	130	2.2	1	7
Golden Harvest H2385 (3X)	22.9	—	—	117.6	—	—	0.8	—	—
Funk G4404 (2X)	22.9	23	—	118.5	137	—	4.7	6	—
Bayless SX 4395 (2X)	22.9	24	24	138.1	138	133	0.0	0	8
Pioneer 3780 (2X)	22.9	23	—	133.6	140	—	0.0	2	—
Trojan TXS 102 (2X)	22.9	23	25	137.8	155	147	0.8	1	6
Pioneer 3773 (2X)	22.9	23	24	125.1	132	128	1.6	1	12
Funk G4444 (2X)	22.9	24	25	131.5	149	146	1.5	1	7
Funk G4343 (2X)	23.0	23	—	128.7	144	—	0.7	1	—
*Michigan 410-2X (2X)	23.0	23	23	142.4	151	148	0.0	0	10
Pride R728 (2X)	23.2	24	26	116.0	144	136	0.0	1	12
Pride R522 (2X)	23.3	24	—	112.5	136	—	1.5	2	—
Funk G4288 (3X)	23.3	—	—	111.1	—	—	0.8	—	—
*Renk RK44 (2X)	23.3	24	25	146.1	154	151	0.8	2	8
Funk G4321 (2X)	23.3	—	—	127.2	—	—	0.0	—	—
*Funk G4384A (Sp.)	23.3	25	—	147.9	164	—	1.5	1	—
Pride R407 (2X)	23.6	23	25	107.3	127	129	0.0	2	11
Gutwein 27 (2X)	23.7	26	26	124.6	137	141	0.0	1	10
Michigan 572-3X (3X)	23.7	24	25	136.7	154	151	0.0	2	10
*Funk Exp. 26529 (2X)	23.8	—	—	149.4	—	—	0.0	—	—
Cowbell SX7300 (2X)	23.8	—	—	117.2	—	—	0.0	—	—
Hulting X9770 (3X)	23.8	24	27	135.1	154	149	0.0	1	12
Voris V2402 (2X)	23.8	—	—	129.5	—	—	0.0	—	—
Lowe LSX2TP (2X)	23.8	24	—	126.2	136	—	0.0	0	—
Teweles 2800 (2X)	23.9	—	—	102.8	—	—	0.0	—	—
Golden Harvest H-2450 (2X)	23.9	—	—	132.5	—	—	0.8	—	—
DeKalb XL45A (2X)	24.0	25	26	116.7	135	132	1.5	2	10
P.A.G. SX 69 (2X)	24.0	25	26	112.0	128	133	0.8	2	7
DeKalb XL44 (2X)	24.1	25	27	113.9	124	123	1.6	3	12
Gutwein 48 (2X)	24.2	25	—	119.8	135	—	0.0	0	—
Michigan 500-2X (2X)	24.2	24	25	135.9	150	147	0.0	0	10
Migro M-1212 (2X)	24.3	24	—	113.3	137	—	1.5	1	—
Funk G4366 (3X)	24.3	24	—	119.7	148	—	1.5	2	—
Trojan TXS102 A (2X)	24.3	—	—	106.2	—	—	0.8	—	—
Migro M-1010A (2X)	24.3	—	—	101.6	—	—	1.5	—	—
Moews WM229 (2X) WX	24.4	—	—	121.5	—	—	0.7	—	—
Funk G-2384 (Sp.) HL	24.7	—	—	115.8	—	—	6.4	—	—
Funk GWX 302 (Sp.) WX	24.7	—	—	136.6	—	—	1.6	—	—
*Acco UC 4561 (2X)	24.8	26	—	144.2	150	—	0.0	3	—
Cowbell SX7480 (2X)	24.8	—	—	112.6	—	—	0.8	—	—
DeKalb XL38 (2X)	24.8	—	—	121.7	—	—	0.0	—	—
Taylor-Evans Marketmaker (2X)	24.8	—	—	110.0	—	—	1.5	—	—
Northrup King PX48 (2X)	24.9	—	—	140.4	—	—	0.0	—	—
Acco UC3201 (2X)	25.0	25	26	124.6	139	135	0.0	0	5
Bayless SX434 (2X)	25.1	25	26	130.5	155	140	0.0	0	9
O's Gold SX1100 (2X)	25.1	—	—	137.5	—	—	2.2	—	—
Super Crost S27 (2X)	25.2	24	26	131.3	141	136	0.0	1	6
Wyckoff 2414 SX (2X)	25.2	25	25	134.7	150	145	0.0	0	6
*Michigan 575-2X (2X)	25.2	25	26	144.7	161	155	2.3	1	5
Cowbell SX7440 (2X)	25.2	26	—	120.8	136	—	4.6	3	—
P.A.G. SX 237 (2X)	25.3	—	—	130.4	—	—	0.7	—	—
DeKalb XL22 (2X)	25.4	25	—	115.2	135	—	0.0	1	—
Renk RK66 (2X)	25.5	—	—	135.0	—	—	0.0	—	—
Hulting X9761 (2X)	25.5	26	28	117.5	136	126	0.0	1	8
Adler 413 (3X)	25.5	27	28	123.2	144	137	0.0	0	10
*Migro M-3020 (4X)	25.6	26	27	149.8	162	156	3.8	2	9
Teweles 2400 (2X)	25.6	—	—	118.3	—	—	0.0	—	—
Lowe LTX-2X (3X)	25.6	25	—	104.5	136	—	5.0	8	—
Blaney B606 (2X)	25.7	—	—	126.1	—	—	0.0	—	—
Pioneer 3517 (Sp.)	25.7	—	—	109.2	—	—	3.0	—	—
Garno S96 (2X)	25.7	26	—	135.2	143	—	0.0	0	—
Voris V2432 (2X)	25.8	—	—	122.2	—	—	0.8	—	—
Northrup King PX50A (2X)	25.9	—	—	139.9	—	—	0.0	—	—
Gutwein 69A (2X)	26.0	26	27	120.3	147	143	3.8	3	10
Cardinal SX112 (2X)	26.0	—	—	120.9	—	—	0.0	—	—
Hulting X537 (2X)	26.0	25	26	120.4	132	132	1.6	2	6
Hulting X534 (2X)	26.0	27	27	116.9	128	132	0.0	0	9
*Gutwein 128 (Sp.)	26.1	26	—	141.8	143	—	0.0	0	—
Acco UC 3301 (2X)	26.1	25	—	108.7	137	—	0.8	2	—
Funk GWX520 (2X) WX	26.1	—	—	114.4	—	—	0.0	—	—
Pride R450 (2X)	26.1	28	29	113.5	126	125	0.0	0	6

(Continued)

TABLE 3. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
*Garno S110 (2X)	26.2	—	—	143.2	—	—	0.0	—	—
Super Crost 4242 (2X)	26.2	26	27	127.2	149	144	0.7	0	11
*Super Crost 2890 (2X)	26.3	—	—	148.3	—	—	1.5	—	—
Hulting X770 (2X)	26.3	26	26	128.0	142	143	0.8	1	9
Bayless Exp. SX72-3-18 (2X)	26.4	—	—	135.5	—	—	2.2	—	—
Cargill 449 (3X)	26.5	26	—	125.5	145	—	0.0	0	—
*Pioneer 3535 (2X)	26.6	—	—	151.9	—	—	0.0	—	—
Cargill 890 (2X)	26.7	—	—	107.1	—	—	3.8	—	—
Super Crost S63 (2X)	26.7	26	26	119.7	143	146	0.8	1	8
Acco U370 (3X)	26.8	27	—	137.2	149	—	2.3	1	—
Migro M-1130 (2X)	26.8	27	—	130.4	134	—	1.5	1	—
Pioneer 3518 (Sp.)	26.9	27	29	134.6	148	144	0.0	0	9
Gutwein 46 (2X)	27.0	—	—	138.1	—	—	0.0	—	—
*Northrup King PX610A (3X)	27.0	—	—	152.3	—	—	1.5	—	—
*Bayless SX434-3 (2X)	27.4	27	—	141.3	140	—	0.0	1	—
*Bayless SX617 (2X)	27.4	—	—	141.0	—	—	1.5	—	—
Bayless SX1795 (2X)	27.6	27	27	139.7	152	150	0.8	1	8
Blaney B705 (2X)	27.6	28	—	129.7	144	—	0.8	0	—
*Bayless SX 447 (2X)	27.8	—	—	146.2	—	—	0.7	—	—
Hulting X6861 (3X)	27.8	—	—	137.9	—	—	2.3	—	—
Taylor-Evans Bonusmaker (2X)	27.8	26	27	108.3	132	128	3.4	3	8
*Adler 63X (2X)	28.2	—	—	154.2	—	—	1.6	—	—
*Teweles 3500A (2X)	28.2	—	—	144.3	—	—	0.8	—	—
*P.A.G. SX397 (2X)	28.3	—	—	141.0	—	—	0.0	—	—
P.A.G. SX7 (2X)	28.8	28	30	127.5	151	148	0.0	3	13
Acco UC 3601 (2X)	28.9	27	—	119.6	141	—	2.3	2	—
*Northrup King PX74 (2X)	28.9	—	—	148.5	—	—	0.8	—	—
Northrup King PX606 (3X)	29.7	—	—	122.5	—	—	0.8	—	—
Trojan TX S111 (2X)	29.7	29	29	131.5	149	150	0.8	1	5
Northrup King PX65 (2X)	29.7	—	—	135.0	—	—	1.6	—	—
*Gutwein 62 (2X)	30.1	—	—	158.7	—	—	0.0	—	—
*Super Crost 5440 (2X)	30.2	29	—	147.1	159	—	0.8	0	—
*Teweles 3200 (2X)	30.3	—	—	145.6	—	—	1.5	—	—
Migro M-0501 (2X)	30.5	30	30	137.9	150	150	0.0	0	6
O's Gold SX5500A (2X)	30.5	—	—	139.4	—	—	0.0	—	—
*Voris V2532 (2X)	30.7	—	—	153.3	—	—	2.3	—	—
*Golden Harvest H-2500 (2X)	30.9	—	—	153.3	—	—	0.0	—	—
*Blaney B805 (2X)	31.0	—	—	145.0	—	—	0.0	—	—
Average	25.3	25	26	128.0	141	139	1.0	1	9
Range	19.2 to 31.0	19 to 30	20 to 30	94.4 to 158.7	111 to 164	109 to 156	0.0 to 6.4	0 to 6	5 to 16
Least significant difference	1.0	0.7	0.6	13.0	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	April 27	May 11	May 22
Harvested	October 16	October 18	November 30
Soil Type	Gilford sandy loam	Gilford sandy loam	Gilford sandy loam
Previous Crop	Corn	Corn	Corn
Population	20,500	20,100	20,000
Rows	30"	30"	30"
Fertilizer	182-184-0	167-69-0	128-55-60
Soil test: pH	6.5	6.8	6.6
P	199 (very high)	190 (very high)	151 (very high)
K	329 (very high)	332 (very high)	384 (very high)

Farm Cooperator: George Matthews, Union City

County Extension Director: Paul Thompson, Coldwater

Table 4. **SOUTHERN MICHIGAN** Zone 1
KALAMAZOO COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Northrup King PX20 (2X)	24.4	—	—	92.7	—	—	1.5	—	—
Asgrow RX42 (2X)	25.0	—	—	90.9	—	—	1.6	—	—
Michigan 280 (4X)	25.1	23	23	86.9	90	103	3.6	3	5
Michigan 333-3X (3X)	25.2	23	24	94.3	95	110	0.9	0	2
Migro M-0101 (2X)	25.5	—	—	93.4	—	—	0.8	—	—
Michigan 396-3X (3X)	26.3	24	25	100.8	101	120	0.8	2	2
Migro M-1020 (Sp.)	26.3	—	—	85.1	—	—	0.0	—	—
DeKalb XL315A (3X)	27.2	—	—	85.1	—	—	1.6	—	—
Jacques JX62 (2X)	27.5	—	—	90.3	—	—	0.0	—	—
*Blaney 7305 (2X)	28.4	—	—	106.3	—	—	0.8	—	—
Asgrow RX53 (2X)	28.6	27	29	95.7	92	111	0.0	1	2
*Funk G4404 (2X)	29.0	26	—	105.6	112	—	2.9	2	—
*Michigan 407-2X (2X)	29.1	27	—	106.2	112	—	3.3	3	—
*Jacques JX122A (2X)	29.2	—	—	109.5	—	—	2.3	—	—
*Funk G4343 (2X)	29.2	27	28	110.7	107	116	2.2	2	3
Michigan 410-2X (2X)	29.3	27	27	98.0	106	122	1.7	1	2
Cowbell SX4095 (2X)	29.5	—	—	88.7	—	—	0.8	—	—
Migro M-1101 (2X)	30.0	27	28	76.9	87	95	0.0	1	2
Moews WM220 (2X) WX	30.0	26	—	99.5	96	—	2.2	3	—
Cardinal SX105 (2X)	30.4	—	—	85.7	—	—	4.0	—	—
Super Crost S25 (2X)	30.4	28	30	100.5	96	111	0.7	0	1
Northrup King PX525 (3X)	30.9	—	—	85.7	—	—	4.4	—	—
Renk RK44 (2X)	31.6	—	—	91.9	—	—	0.0	—	—
Wyckoff W-5X (4X)	31.6	29	30	75.1	88	104	4.6	4	6
Adler 23X (2X)	31.6	28	30	89.2	85	104	0.8	1	1
Cowbell SX4100 (2X)	31.7	—	—	86.6	—	—	0.8	—	—
DeKalb XL21 (2X)	31.9	—	—	83.3	—	—	0.8	—	—
Michigan 572-3X (3X)	31.9	29	30	99.8	106	122	0.0	2	3
Funk G4288 (3X)	32.0	—	—	99.6	—	—	1.5	—	—
Acco UC4201 (2X)	32.2	30	—	99.1	98	—	0.8	3	—
Funk G4366 (3X)	32.3	29	—	91.8	104	—	3.2	2	—
Migro M-1212 (2X)	32.3	29	30	81.8	86	104	5.8	6	6
Cowbell SX7440 (2X)	32.5	30	—	88.2	90	—	1.6	2	—
Asgrow RX58 (2X)	32.5	30	32	97.2	102	111	3.8	3	3
*Funk G4321 (2X)	32.6	—	—	108.6	—	—	0.8	—	—
Michigan 500-2X (2X)	32.6	30	31	98.3	98	116	2.8	2	3
DeKalb XL44 (2X)	32.7	—	—	85.1	—	—	4.7	—	—
*Trojan TXS102 (2X)	32.7	30	32	110.9	110	122	0.8	1	1
Michigan 575-2X (2X)	32.8	31	32	99.6	102	119	0.0	0	1
Pioneer 3780 (2X)	33.0	29	—	99.7	100	—	3.0	2	—
Cowbell SX7300 (2X)	33.3	30	—	92.8	90	—	1.5	2	—
Moews WM229 (2X) WX	33.6	—	—	91.7	—	—	0.8	—	—
Super Crost S27 (2X)	33.9	31	33	88.7	93	110	0.0	1	2
Blaney B701 (2X)	33.9	—	—	90.7	—	—	5.4	—	—
Funk G4444 (2X)	34.1	30	31	98.2	96	116	0.8	1	3
Super Crost 2890 (2X)	34.2	—	—	100.5	—	—	0.8	—	—
Pride 6694 (2X)	34.4	—	—	86.3	—	—	0.0	—	—
Northrup King PX48 (3X)	34.9	—	—	93.6	—	—	0.8	—	—
*Migro M-1130 (2X)	35.1	31	—	108.2	101	—	0.0	0	—
Cardinal SX112 (2X)	35.1	—	—	93.4	—	—	4.9	—	—
Pioneer 3535 (2X)	35.4	—	—	93.4	—	—	0.0	—	—
O's Gold SX1100 (2X)	35.4	—	—	85.0	—	—	0.0	—	—
Acco UC3301 (2X)	35.6	31	—	87.4	102	—	0.0	1	—
Super Crost S29 (2X)	35.8	31	33	79.9	90	103	3.8	2	3
Pioneer 3518 (Sp.)	36.0	32	—	78.8	93	—	0.0	0	—
Cowbell SX7480 (2X)	36.1	—	—	84.8	—	—	0.0	—	—
Bayless Exp. SX72-3-18 (2X)	36.3	—	—	77.0	—	—	0.8	—	—
Adler 413 (3X)	36.5	34	34	72.3	78	99	0.8	1	1
Migro M-3020 (4X)	37.1	33	34	100.9	104	120	1.5	1	3
Blaney B606 (2X)	37.4	—	—	100.0	—	—	0.7	—	—
DeKalb XL343 (3X)	37.6	—	—	82.6	—	—	2.4	—	—
Migro M-1010A (2X)	37.7	—	—	75.0	—	—	0.8	—	—
Funk G4384A (Sp.)	37.7	32	—	77.9	87	—	5.5	3	—
Renk RK66 (2X)	38.3	—	—	89.4	—	—	5.6	—	—
Super Crost 5440 (2X)	38.5	34	—	78.9	85	—	0.8	2	—
Northrup King PX 610 A (3X)	38.7	—	—	79.8	—	—	3.6	—	—
Northrup King PX65 (2X)	39.2	—	—	93.8	—	—	0.0	—	—
Super Crost S63 (2X)	39.4	33	34	84.6	101	114	1.6	2	2
Super Crost S4242 (2X)	39.6	33	34	83.5	90	110	2.3	2	5
Northrup King PX606 (3X)	39.6	—	—	77.0	—	—	3.1	—	—
Adler 63X (2X)	39.7	—	—	75.5	—	—	0.8	—	—
Migro M-0501 (2X)	39.8	35	36	93.6	91	110	1.4	1	1
Northrup King PX 74 (2X)	39.8	—	—	75.2	—	—	0.8	—	—
O's Gold SX5500A (2X)	40.5	—	—	76.7	—	—	0.8	—	—
Average	33.1	29	30	91.0	96	111	1.7	2	3
Range	24.4 to 40.5	23 to 35	23 to 36	72.3 to 110.9	78 to 112	95 to 122	0.0 to 5.8	0 to 6	1 to 6
Least significant difference	1.5	0.8	0.6	10.3	7	5			

*Significantly better than average yield in 1974.

(Continued)

TABLE 4. (Continued)

	1974	1973	1972
Planted	May 20	May 17	May 22
Harvested	October 22	October 20	October 27
Soil type	Fox sandy loam	Fox sandy loam	Fox sandy loam
Previous crop	wheat seeded to clover	corn	corn
Population	21,300	18,200	19,900
Rows	30″	30″	30″
Fertilizer	100-48-102	129-48-144	131-63-127
Soil test: pH	6.7	6.7	6.3
P	111 (very high)	83 (very high)	45 (high)
K	324 (very high)	240 (high)	243 (high)

Farm Cooperator: Richard Van Vrancken, Climax

County Extension Agent: Richard Bailey, Kalamazoo

Table 5. SOUTHERN MICHIGAN Zone 1
CASS COUNTY TRIAL — IRRIGATED UPLAND SOIL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	3 Yrs	Bushels per acre 1974	2 Yrs	3 Yrs	% Stalk lodging 1974	2 Yrs	3 Yrs
Michigan 280 (4X)	20.1	19	21	62.7	87	93	8.1	7	9
Michigan 333-3X (3X)	21.1	20	21	75.2	102	111	0.0	2	3
Migro M-0101 (2X)	21.2	—	—	61.8	—	—	1.9	—	—
Blaney 7305 (2X)	21.6	—	—	67.6	—	—	1.1	—	—
Michigan 396-3X (3X)	21.6	20	22	81.5	117	128	2.8	4	4
Golden Harvest H-2355 (2X)	22.0	—	—	75.8	—	—	12.8	—	—
Pioneer 3780 (2X)	22.0	21	—	83.0	110	—	2.8	4	—
Michigan 407-2X (2X)	22.5	21	—	88.7	126	—	8.3	8	—
Blaney B 302 (2X)	22.9	—	—	76.2	—	—	0.9	—	—
Migro M-1020 (Sp.)	23.3	—	—	74.5	—	—	7.3	—	—
Funk G 4444 (2X)	23.5	22	24	83.9	120	126	2.4	4	3
Funk G 4321 (2X)	23.5	—	—	88.2	—	—	3.1	—	—
Super Crost 2890 (2X)	23.5	—	—	91.8	—	—	0.9	—	—
Michigan 410-2X (2X)	23.6	22	23	92.2	123	135	0.8	3	2
Golden Harvest H-2450 (2X)	23.6	—	—	80.1	—	—	0.8	—	—
Renk RK 44 (2X)	23.9	23	25	75.7	108	115	0.0	2	2
Michigan 572-3X (3X)	24.0	23	24	95.6	125	134	0.0	0	2
Funk G 4404 (2X)	24.1	21	—	96.2	128	—	0.0	1	—
Super Crost S25 (2X)	24.1	21	23	94.2	126	139	0.8	3	3
Funk G 4343 (2X)	24.1	22	—	77.6	110	—	0.0	3	—
Moews WM 229 (2X) WX	24.6	—	—	67.5	—	—	0.8	—	—
Renk RK 66 (2X)	24.7	—	—	94.5	—	—	3.4	—	—
Super Crost 1901 (2X)	24.7	—	—	78.5	—	—	1.9	—	—
Golden Harvest H-2420 (2X)	24.7	—	—	93.4	—	—	0.9	—	—
*Blaney B 606 (2X)	24.8	—	—	101.4	—	—	0.0	—	—
Migro M-1212 (2X)	24.9	23	—	70.2	106	—	0.0	1	—
Super Crost 2772 (2X)	25.0	23	—	75.5	103	—	0.0	3	—
Super Crost S27 (2X)	25.0	23	26	67.9	105	111	6.4	5	4
Moews WM 220 (2X) WX	25.2	22	—	67.3	93	—	6.5	5	—
Bayless Exp. 72-3-18 (2X)	25.2	—	—	92.4	—	—	0.0	—	—
Pride R 522 (2X)	25.3	—	—	90.0	—	—	0.9	—	—
*Blaney BX-AA (2X)	25.3	—	—	108.2	—	—	2.6	—	—
Golden Harvest H2385 (3X)	25.3	—	—	78.7	—	—	1.1	—	—
O's Gold SX 1100 (2X)	25.4	—	—	71.8	—	—	0.0	—	—
Cowbell SX 7440 (2X)	25.5	23	—	86.5	123	—	1.1	3	—
*Prairie Stream SX3 (2X)	25.6	23	25	114.6	130	140	2.5	3	3
Pride R 450 (2X)	25.8	—	—	70.9	—	—	5.2	—	—
Northrup King PX48 (2X)	25.8	—	—	67.7	—	—	1.0	—	—
Michigan 500-2X (2X)	25.8	24	25	95.5	122	131	1.4	3	4
Cowbell SX 7300 (2X)	25.9	—	—	73.4	—	—	3.0	—	—
*Cowbell SX 7480 (2X)	26.0	—	—	104.7	—	—	0.9	—	—
*Pioneer 3535 (2X)	26.7	—	—	114.9	—	—	0.0	—	—
Bayless SX434 (2X)	26.8	—	—	94.1	—	—	5.3	—	—
*Michigan 575-2X (2X)	26.8	24	26	99.2	133	138	1.3	4	3
Funk-Exp. 26529 (2X)	26.9	—	—	74.8	—	—	2.1	—	—
Funk GWX 520 (2X) WX	26.9	—	—	81.6	—	—	1.8	—	—
*Northrup King PX610A (3X)	27.2	—	—	104.4	—	—	0.8	—	—
*Bayless SX434-3 (2X)	27.3	24	—	110.2	135	—	0.0	2	—
Pioneer 3518 (Sp.)	27.5	25	27	79.5	119	129	0.0	0	1
Prairie Stream SX 1B (2X)	27.6	25	27	89.9	123	129	3.4	4	6
Voris V 2452 (2X)	27.6	—	—	82.3	—	—	0.0	—	—
Funk G 4366 (3X)	27.7	25	—	84.9	122	—	0.0	3	—
Funk G 4288 (3X)	27.9	—	—	75.4	—	—	0.0	—	—
*Voris V 2442 (2X)	27.9	—	—	104.3	—	—	0.0	—	—
Migro M-1130 (2X)	27.9	25	—	75.9	122	—	0.0	2	—
Garno S 110 (2X)	28.0	25	—	78.6	119	—	5.9	3	—
Prairie Stream SX3A (2X)	28.1	—	—	94.2	—	—	0.0	—	—
*Super Crost S 63 (2X)	29.0	26	26	105.1	127	134	2.7	3	3
Acco UC 3201 (2X)	29.3	26	26	75.1	113	122	3.1	5	4
*Migro M-3020 (4X)	29.3	27	27	118.7	134	139	0.0	3	4
*Super Crost 4242 (2X)	29.6	26	27	102.5	124	136	0.0	2	1
Northrup King PX606 (3X)	29.9	—	—	81.3	—	—	0.0	—	—
Funk GWX302 (Sp.) WX	30.0	—	—	79.5	—	—	0.9	—	—
Migro M-1010A (2X)	30.8	—	—	81.3	—	—	0.8	—	—
Funk G4384A (Sp.)	31.4	27	—	88.4	123	—	3.9	3	—
*Northrup King PX 65 (2X)	31.4	—	—	108.1	—	—	0.0	—	—
*Northrup King PX74 (2X)	31.8	—	—	118.7	—	—	0.0	—	—
Funk G-L2384 HL	32.1	—	—	85.3	—	—	1.7	—	—
Acco UC 3601 (2X)	32.4	28	—	72.8	120	—	0.9	4	—
Garno S 114 (2X)	32.8	—	—	72.6	—	—	2.4	—	—
Voris V 2552 (2X)	33.6	—	—	95.0	—	—	1.9	—	—
*O's Gold SX 5500 A (2X)	34.5	—	—	101.1	—	—	0.0	—	—
*Migro M-0501 (2X)	34.7	29	30	99.4	127	136	1.9	2	1
*Golden Harvest H-2500 (2X)	38.9	—	—	99.4	—	—	0.0	—	—
Super Crost 5440 (2X)	39.1	32	—	96.3	123	—	0.9	1	—
Average	26.7	24	25	86.9	118	128	1.8	3	3
Range	20.1 to 39.1	19 to 32	21 to 30	61.8 to 118.7	87 to 135	93 to 140	0.0 to 12.8	0 to 8	1 to 9
Least significant difference	0.9	0.5	0.5	12.1	8	6			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 5	May 12	May 17
Harvested	Oct. 24	Oct. 23	Nov. 1
Soil type	Kalamazoo sandy loam	Kalamazoo sandy loam	Kalamazoo sandy loam
Previous crop	Soybeans	Soybeans	Soybeans
Population	19,200	23,300	22,900
Rows	28″	28″	28″
Fertilizer	150-45-15	200-63-9	214-54-18
Irrigation	8 inches	7.5 inches	8 inches
Soil test: pH	7.0	6.3	6.5
P	119 (very high)	95 (very high)	67 (very high)
K	235 (high)	294 (high)	274 (high)

Farm Cooperator: Dave Cripe, Cassopolis

County Extension Director: G. Wayne Hothem (1974), Fred Sackrider (1973, 1972), Cassopolis

Table 6. SOUTHERN MICHIGAN Zone 1
CASS COUNTY TRIAL — MUCK SOIL
One and Two Year Averages — 1974 and 1973
No results from 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	Bushels per acre 1974	2 Yrs	% Stalk lodging 1974	2 Yrs
Blaney B100 (2X)	25.3	—	85.6	—	2.2	—
Michigan 280 (4X)	25.5	22	94.1	99	2.2	4
Blaney B302 (2X)	26.3	—	112.7	—	1.5	—
Voris V 2382 (2X)	26.3	—	102.3	—	0.0	—
Michigan 275-2X (2X)	26.4	23	107.3	106	5.2	7
Super Crost 1692 (2X)	26.4	—	112.6	—	0.0	—
Michigan 2833 (3X)	26.4	24	113.8	121	3.6	6
Michigan 333-3X (3X)	27.3	24	122.7	124	0.8	2
Blaney B 401 (2X)	28.1	—	121.3	—	0.7	—
Migro M-0101 (2X)	28.5	—	125.5	—	1.5	—
Blaney 7305 (2X)	28.7	—	127.9	—	3.6	—
Michigan 396-3X (3X)	28.9	25	123.2	131	0.0	1
Gutwein 08 (2X)	28.9	—	102.3	—	3.0	—
Bayless 3X219-3 (2X)	28.9	26	103.0	108	2.2	4
Golden Harvest H-2355 (2X)	29.0	—	132.0	—	0.0	—
Golden Harvest H-2385 (3X)	29.2	—	114.7	—	3.7	—
*Michigan 407-2X (2X)	29.5	26	140.2	147	2.9	5
Cowbell SX 4100 (2X)	30.1	—	117.7	—	2.2	—
*Golden Harvest H-2450 (2X)	31.2	—	142.3	—	2.3	—
*Acco UC 2301 (2X)	31.2	26	139.5	140	0.7	3

(Continued)

TABLE 6. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs
*Michigan 410-2X (2X)	31.9	27	149.4	147	4.5	4
*Michigan 572-3X (3X)	32.5	28	141.3	143	1.4	1
Moews WM 220 (2X) WX	32.8	27	129.7	127	2.9	3
Wyckoff 1266 SX (2X)	32.9	—	123.1	—	1.5	—
*Funk G4288 (3X)	33.2	—	140.7	—	6.6	—
*Northrup King PX48 (2X)	33.4	—	138.1	—	2.2	—
*Funk G4444 (2X)	33.6	28	135.6	146	0.0	5
Super Crost S27 (2X)	33.6	29	130.9	140	2.9	5
*Funk G4404 (2X)	33.6	27	150.5	150	1.4	3
Migro M-1020 (Sp.)	33.7	—	100.2	—	2.9	—
*Gutwein 40 (2X)	34.1	—	146.2	—	4.4	—
*Funk G4343 (2X)	34.4	29	152.0	151	2.2	3
*Pioneer 3780 (2X)	34.7	29	136.4	139	3.7	5
Funk G4321 (2X)	34.8	—	114.9	—	2.2	—
Golden Harvest H-2420 (2X)	35.0	—	116.2	—	2.9	—
Cowbell SX 7300 (2X)	35.0	29	118.3	123	2.2	7
Moews WM 229 (2X) WX	35.0	—	118.6	—	0.7	—
Super Crost S25 (2X)	35.2	29	129.8	133	0.0	2
Wyckoff W-5 X(4X)	35.4	29	101.3	110	4.4	4
Funk G4384A (Sp.)	35.6	30	123.1	136	1.5	3
Trojan TXS 102A (2X)	36.3	—	103.0	—	2.1	—
Michigan 500-2X (2X)	36.5	30	113.1	126	0.8	2
Acco UC 3301 (2X)	36.7	30	123.7	131	6.0	5
*Migro M-1212 (2X)	36.7	30	134.0	132	0.0	1
Northrup King PX 50 A (2X)	37.2	—	127.4	—	0.7	—
Michigan 575-2X (2X)	37.3	31	132.9	142	2.3	2
Garno S 100 (2X)	37.3	—	123.2	—	0.0	—
Pioneer 3535 (2X)	37.4	—	129.3	—	0.7	—
Super Crost 2890 (2X)	37.6	—	115.1	—	0.0	—
Funk G4366 (3X)	37.7	31	127.6	135	2.2	2
Bayless SX 4395 (2X)	38.0	31	121.4	129	0.7	1
*Migro M-1130 (2X)	38.2	32	148.7	150	1.5	3
Wyckoff 2414 SX (2X)	38.4	—	132.5	—	2.9	—
Pioneer 3518 (Sp.)	38.5	32	122.6	136	0.0	1
Cowbell SX 4095 (2X)	38.6	—	73.8	—	5.2	—
*Gutwein 48 (2X)	39.0	—	134.4	—	3.5	—
Voris V 2442 (2X)	39.0	—	116.8	—	0.7	—
*Super Crost 2572 (2X)	39.0	33	133.8	120	0.7	1
Bayless Exp. SX 72-3-18 (2X)	39.1	—	129.7	—	0.7	—
Migro M-3020 (4X)	39.4	33	113.9	128	0.0	4
Funk Exp. 26529 (2X)	39.4	—	117.8	—	1.5	—
Garno S 96 (2X)	39.8	31	108.5	128	1.5	2
Prairie Stream SX3A (2X)	41.2	—	125.5	—	0.7	—
Migro M-1010A (2X)	42.0	—	84.8	—	2.2	—
Voris V2532 (2X)	42.4	—	106.9	—	1.4	—
Northrup King PX 65 (2X)	42.9	—	132.8	—	0.7	—
Golden Harvest H-2500 (2X)	42.9	—	121.4	—	0.0	—
Northrup King PX 610A (3X)	42.9	—	99.4	—	1.4	—
Northrup King PX 606 (3X)	43.0	—	128.8	—	0.8	—
Migro M-0501 (2X)	43.0	35	116.2	120	0.0	1
Average	34.7	29	121.9	131	1.9	3
Range	25.3 to 43.0	22 to 35	73.8 to 152.0	99 to 151	0.0 to 6.6	1 to 7
Least significant difference	1.6	0.8	11.7	6		

*Significantly better than average yield in 1974.

	1974	1973
Planted	June 1	May 26
Harvested	Oct. 23	Oct. 22
Soil Type	Carlisle muck	Carlisle muck
Previous crop	Corn	Corn
Population	20,800	20,900
Rows	30"	30"
Fertilizer	87-69-105	87-69-105
Soil test: pH	5.5	5.5
P	102 (very high)	60 (very high)
K	535 (very high)	483 (very high)

Farm Cooperators: Oliver, Russell, and Roger Anderson, Cassopolis

County Extension Directors: G. Wayne Hothem (1974), Fred Sackrider (1973), Cassopolis

Table 7. SOUTH CENTRAL MICHIGAN Zone 2

KENT COUNTY TRIAL

One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Michigan 2833 (3X)	20.2	—	—	95.9	—	—	0.8	—	—
Funk G4195 (3X)	20.7	21	—	100.8	116	—	0.0	2	—
Michigan 275-2X (2X)	20.8	21	21	100.5	110	109	4.0	3	9
Northrup King PX 20 (2X)	21.2	—	—	90.2	—	—	0.0	—	—
Michigan 280 (4X)	21.2	21	22	92.2	108	114	1.6	3	12
Michigan 2853 (3X)	21.5	—	—	103.1	—	—	1.0	—	—
Migro M-0101 (2X)	23.1	—	—	99.0	—	—	0.8	—	—
Michigan 333-3X (3X)	23.1	22	23	102.7	115	118	2.6	3	7
Trojans TXS 94 (2X)	23.2	25	25	87.8	105	109	0.0	0	10
Michigan 3102 (2X)	23.7	—	—	109.8	—	—	0.0	—	—
DeKalb XL 12 (2X)	23.9	—	—	92.6	—	—	0.0	—	—
Migro M-1020 (Sp.)	23.9	—	—	96.4	—	—	0.8	—	—
Northrup King PX 32 (2X)	24.1	—	—	107.9	—	—	0.0	—	—
Super Crost 1692 (2X)	24.5	—	—	91.3	—	—	3.9	—	—
Michigan 396-3X (3X)	24.5	24	24	101.5	118	124	0.0	0	7
Golden Harvest H-2355 (2X)	24.6	—	—	103.5	—	—	3.7	—	—
Funk G4343 (2X)	24.6	24	25	107.5	124	132	0.8	0	9
Golden Harvest H-2385 (3X)	24.9	—	—	101.8	—	—	0.8	—	—
Funk G4252 (3X)	24.9	24	24	101.1	110	107	0.8	1	9
Voris V 2383 (2X)	25.0	—	—	99.4	—	—	0.8	—	—
*Trojan TXS 105A (2X)	25.1	—	—	111.6	—	—	1.5	—	—
Pioneer 3784 (2X)	25.4	24	25	96.6	111	117	1.9	1	6
DeKalb XL 316 (3X)	25.5	—	—	92.9	—	—	0.8	—	—
Super Crost 1901 (2X)	25.6	—	—	85.3	—	—	5.3	—	—
*Michigan 410-2X (2X)	25.7	25	25	118.7	131	136	0.0	0	3
Migro M-1212 (2X)	25.8	26	—	94.2	113	—	5.6	3	—
Acco U 334 (3X)	25.8	25	26	95.8	117	122	0.8	0	3
Funk Exp. 26190 (3X)	26.1	—	—	99.8	—	—	0.0	—	—
Migro M-1101 (2X)	26.1	24	25	93.0	116	126	5.8	3	8
Renk RK 11AA (2X)	26.2	25	—	89.2	112	—	0.0	0	—
*Michigan 407-2X (2X)	26.2	25	26	111.6	130	141	1.6	1	4
Pioneer 3780 (2X)	26.5	26	26	108.7	129	135	1.5	1	3
Michigan 572-3X (3X)	26.6	25	27	109.6	125	133	0.0	0	8
DeKalb XL 21 (2X)	26.6	—	—	91.8	—	—	2.4	—	—
Cowbell SX 4095 (2X)	26.8	—	—	76.5	—	—	0.9	—	—
Northrup King PX 525 (3X)	26.8	25	25	94.7	107	112	3.1	2	10
Funk G 4404 (2X)	26.9	25	—	104.9	122	—	0.8	1	—
Golden Harvest H-2420 (2X)	26.9	—	—	95.3	—	—	0.8	—	—
*Bayless SX 434 (2X)	26.9	—	—	117.2	—	—	0.7	—	—
Wolverine W 166 (2X)	27.2	—	—	94.2	—	—	2.2	—	—
Cowbell SX 7300 (2X)	27.4	26	—	104.5	121	—	0.7	1	—
Funk G 4366 (3X)	27.5	26	—	102.9	122	—	1.5	1	—
Funk G 4288 (3X)	27.7	25	—	106.6	124	—	0.0	0	—
Acco UC 2301 (2X)	27.9	25	25	98.8	116	127	2.3	1	7
*Funk G4321 (2X)	28.2	26	—	111.9	123	—	0.7	0	—
Funk G 4444 (2X)	28.5	27	28	101.6	121	131	3.1	4	9
Golden Harvest H-2450 (2X)	28.7	—	—	104.5	—	—	3.8	—	—
Michigan 500-2X (2X)	28.7	27	27	103.1	117	123	2.4	2	7
DeKalb XL 22B (Sp.)	28.8	27	—	91.3	107	—	3.2	2	—
Bayless Exp SX 72-3-18 (2X)	28.8	—	—	102.8	—	—	1.6	—	—
Cowbell SX 4100 (2X)	28.9	—	—	92.1	—	—	1.7	—	—
Michigan 575-2X (2X)	29.0	27	28	110.3	131	136	0.8	0	4
Northrup King PX 48 (2X)	29.2	—	—	95.8	—	—	0.0	—	—
Northrup King PX 529 (3X)	29.3	—	—	102.3	—	—	2.3	—	—
Wolverine W 174 (2X)	29.3	—	—	92.1	—	—	0.0	—	—
Cowbell SX 7480 (2X)	29.5	—	—	104.5	—	—	0.0	—	—
DeKalb XL 45A (2X)	29.6	28	28	105.0	114	120	0.0	0	10
Blaney B-AA (2X)	30.1	27	28	103.8	123	131	1.9	2	6
Stewart 3-3301 (2X)	30.2	—	—	97.0	—	—	2.3	—	—
*Cowbell SX 7440 (2X)	30.2	28	—	110.3	128	—	1.5	1	—
Trojan TXS 102 (2X)	30.2	—	—	109.4	—	—	3.8	—	—
Funk G4384 A (Sp)	30.6	28	—	105.8	120	—	1.5	1	—
*DeKalb XL 42 (2X)	31.0	—	—	113.2	—	—	1.5	—	—
*Super Crost S27 (2X)	31.0	28	—	114.1	117	—	1.4	1	—
Pioneer 3517 (Sp.)	31.0	—	—	100.2	—	—	1.6	—	—
Northrup King PX 50A (2X)	31.1	29	30	95.4	114	128	1.6	1	2
*Voris V2402 (2X)	31.2	—	—	113.8	—	—	0.7	—	—
Voris V2432 (2X)	31.6	—	—	78.4	—	—	0.0	—	—
Migro M-3020 (4X)	31.8	28	29	99.0	118	129	0.8	1	5
Migro M-1130 (2X)	32.7	29	—	101.9	115	—	1.5	1	—

(Continued)

TABLE 7. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	3 Yrs	Bushels per acre 1974	2 Yrs	3 Yrs	% Stalk lodging 1974	2 Yrs	3 Yrs
Migro M-1010A (2X)	32.8	—	—	82.2	—	—	0.0	—	—
Northrup King PX 65 (2X)	35.1	—	—	103.0	—	—	0.7	—	—
Migro M-0501 (2X)	37.7	33	32	100.0	124	136	0.0	0	1
Golden Harvest H-2500 (2X)	40.6	—	—	106.7	—	—	0.0	—	—
Average	27.4	26	26	100.4	118	125	1.4	1	7
Range	20.2 to 40.6	21 to 33	21 to 32	76.5 to 118.7	105 to 131	106 to 140	0.0 to 5.8	0 to 4	1 to 12
Least significant difference	1.1	0.7	0.6	9.9	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 4	May 17	May 11
Harvested	Oct. 25	Nov. 2	Oct. 31
Soil Type	Belville loam	Belville loam	Belville loam
Previous Crop	Corn	Corn	Corn
Population	22,100	22,300	21,800
Rows	30"	30"	30"
Fertilizer	142-58-120, manure	123-58-120, manure	123-58-120, manure
Soil test: pH	6.5	7.2	6.9
P	38 (high)	53 (very high)	28 (medium)
K	240 (high)	337 (very high)	301 (high)

Farm Cooperator: Gerald Kayser, Caledonia

County Extension Agent: Robert Knisely, Grand Rapids

Table 8. SOUTH CENTRAL MICHIGAN Zone 2
MUSKEGON AND OTTAWA COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	3 Yrs	Bushels per acre 1974	2 Yrs	3 Yrs	% Stalk lodging 1974	2 Yrs	3 Yrs
Michigan 2853 (3X)	26.3	—	—	83.7	—	—	0.0	—	—
Michigan 2833 (3X)	26.9	—	—	85.8	—	—	0.0	—	—
Funk G4195 (3X)	27.6	27	—	84.4	93	—	0.0	2	—
Michigan 280 (4X)	27.7	27	26	77.4	83	85	0.0	1	14
DeKalb XL304 (3X)	27.7	—	—	77.7	—	—	0.0	—	—
Michigan 275-2X (2X)	27.8	26	25	76.8	85	86	0.0	2	14
Teweles 232 (4X)	28.9	—	—	59.2	—	—	0.0	—	—
Northrup King PX20 (2X)	28.9	—	—	69.7	—	—	0.0	—	—
Teweles 1600 (Sp)	29.2	—	—	84.6	—	—	0.0	—	—
*Michigan 333-3X (3X)	29.3	27	26	88.1	94	98	0.0	0	11
*Migro M-0101 (2X)	29.4	—	—	88.2	—	—	0.0	—	—
*Jacques JX62 (2X)	29.5	—	—	91.9	—	—	0.0	—	—
DeKalb XL12 (2X)	29.7	—	—	74.7	—	—	0.0	—	—
Migro M-1101 (2X)	29.7	30	29	70.7	90	105	0.0	1	14
*Funk Exp. 26190 (3X)	29.7	—	—	90.2	—	—	0.0	—	—
*Michigan 3102 (2X)	29.8	—	—	92.0	—	—	0.0	—	—
*Pride 2264 (2X)	30.0	—	—	90.3	—	—	0.0	—	—
Migro M-1020 (Sp)	30.1	—	—	57.9	—	—	0.0	—	—
Cowbell SX4095 (2X)	30.1	—	—	58.1	—	—	0.0	—	—
Funk G4252 (3X)	30.2	30	28	78.5	96	94	0.0	0	13
Jacques JX122A (2X)	30.9	—	—	81.6	—	—	0.0	—	—
Acco UC2301 (2X)	30.9	30	29	84.4	109	113	0.0	0	14
Michigan 396-3X (3X)	30.9	29	28	85.7	105	111	0.0	0	8
Funk G4343 (2X)	31.4	30	30	81.5	101	109	0.0	1	7
Northrup King PX30 (2X)	31.7	—	—	70.5	—	—	0.0	—	—
Northrup King PX32 (2X)	32.0	—	—	81.0	—	—	0.0	—	—
Super Crost S25 (2X)	32.6	32	31	74.7	91	108	0.0	0	10
*Michigan 407-2X (2X)	32.7	31	30	97.7	115	125	0.0	1	9
Acco U334 (3X)	32.9	32	30	73.2	97	105	0.0	0	14
*Funk G4288 (3X)	32.9	—	—	88.6	—	—	0.0	—	—
DeKalb XL316 (3X)	33.2	—	—	76.0	—	—	0.0	—	—
Renk RK11AA (2X)	33.2	32	—	67.4	92	—	0.0	1	—
Michigan 410-2X (2X)	33.2	32	30	82.8	105	116	0.0	1	11
Migro M-1212 (2X)	33.3	32	—	70.6	101	—	0.0	1	—
Funk G4404 (2X)	33.4	33	—	79.5	97	—	0.0	1	—
DeKalb XL21 (2X)	33.5	33	—	78.6	95	—	0.0	1	—
Michigan 572-3X (3X)	33.8	32	31	83.0	105	113	0.0	1	13
Northrup King PX529 (3X)	34.0	—	—	70.1	—	—	0.0	—	—
*DeKalb XL21A (2X)	34.1	—	—	95.7	—	—	0.0	—	—
Funk G4444 (2X)	34.3	33	33	85.4	105	115	0.0	1	7
Michigan 500-2X (2X)	34.3	33	31	81.7	104	112	0.0	0	13
DeKalb XL45A (2X)	34.3	—	—	74.0	—	—	0.0	—	—
Super Crost 1901 (2X)	34.5	—	—	68.2	—	—	0.0	—	—
*Pioneer 3780 (2X)	34.5	33	31	91.8	112	123	0.0	0	12
*Cowbell SX7300 (2X)	35.1	34	—	87.0	100	—	0.0	0	—
Cowbell SX4100 (2X)	36.1	—	—	65.3	—	—	0.0	—	—
Cowbell SX7440 (2X)	36.3	34	—	78.4	96	—	0.0	0	—
DeKalb XL22B (Sp)	36.5	34	32	73.3	95	104	0.0	0	13
Super Crost 2772 (2X)	36.7	35	—	77.4	99	—	0.0	0	—
Funk G4321 (2X)	36.7	34	—	79.8	101	—	0.0	0	—
Northrup King PX48 (2X)	36.8	—	—	81.6	—	—	0.0	—	—
Michigan 575-2X (2X)	36.8	35	33	78.3	100	114	0.0	0	7
Acco UC3301 (2X)	36.9	34	33	74.5	99	110	0.0	0	10
*Funk G4384A (Sp)	37.0	34	—	91.2	109	—	0.0	1	—
Migro M-1010A (2X)	38.0	—	—	69.1	—	—	0.0	—	—
*Funk G4366 (3X)	38.2	36	—	87.4	100	—	0.0	0	—
Super Crost S27 (2X)	38.3	36	34	74.8	92	107	0.0	0	9
Cowbell SX7480 (2X)	38.7	—	—	65.9	—	—	0.0	—	—
Super Crost 2890 (2X)	39.3	—	—	72.3	—	—	0.0	—	—
*Migro M-1130 (2X)	39.6	36	—	91.6	106	—	0.0	0	—
Migro M-3020 (4X)	40.6	37	34	70.5	90	107	0.0	0	10
Migro M-0501 (4X)	45.9	42	39	66.3	93	108	0.0	0	7
Northrup King PX65 (2X)	46.1	—	—	61.1	—	—	0.0	—	—
Average	33.3	32	30	78.5	99	108	0.0	0.4	11
Range	26.3 to 46.1	26 to 42	25 to 39	57.9 to 97.7	83 to 115	85 to 125		0 to 2	7 to 14
Least significant difference	1.5	0.9	0.7	8.4	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	June 1	June 11	May 16
Harvested	November 1	October 31	December 5-12
Soil Type	Nester loam	Allendale fine sandy loam	Allendale fine sandy loam
Previous Crop	corn	corn	corn
Population	20,400	20,100	20,200
Rows	30"	30"	30"
Fertilizer	90-90-110	100-80-40, manure	110, 80, 40 manure
Soil Test: pH	6.2	7.1	6.6
P	74 (very high)	78 (very high)	79 (very high)
K	80 (low)	234 (high)	234 (high)

Farm Cooperators: Robert Bonthuis, Ravenna (1974); James Busman, Coopersville (1973, 1972)

County Extension Directors: Harold Ferris, Muskegon (1974); Lawrence Stebbins, Grand Haven (1973, 1972)

Table 9. SOUTH CENTRAL MICHIGAN Zone 2
INGHAM COUNTY TRIAL — GRAIN
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	3 Yrs	Bushels per acre 1974	2 Yrs	3 Yrs	% Stalk lodging 1974	2 Yrs	3 Yrs
Michigan 280 (4X)	26.8	24	24	95.2	90	95	1.6	1	2
Michigan 275-2X (2X)	27.0	24	24	103.9	95	99	3.5	2	2
Asgrow RX42 (2X)	27.7	—	—	104.0	—	—	1.5	—	—
Michigan 333-3X (3X)	28.5	26	25	118.9	112	119	0.8	0	1
Voris V2382 (2X)	28.6	—	—	108.2	—	—	0.0	—	—
Migro M-0101 (2X)	29.5	—	—	109.4	—	—	0.0	—	—
Funk G4195 (3X)	30.3	28	—	104.6	98	—	0.0	0	—
Blaney B302 (2X)	30.5	27	—	104.8	106	—	0.0	0	—
Super Crost 1692 (2X)	30.8	27	—	100.6	96	—	0.0	0	—
Michigan 396-3X (3X)	31.1	29	28	128.6	118	125	0.0	0	1

(Continued)

TABLE 9. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Northrup King PX32 (2X)	31.2	—	—	128.0	—	—	0.8	—	—
DeKalb XL12 (2X)	31.2	—	—	100.4	—	—	0.0	—	—
*Golden Harvest H-2355 (2X)	31.3	—	—	131.4	—	—	0.7	—	—
*Teweles 2800 (2X)	31.4	—	—	134.5	—	—	0.9	—	—
*Funk Exp. 26190 (3X)	31.5	—	—	131.3	—	—	0.0	—	—
Blaney 7305 (2X)	31.7	—	—	118.8	—	—	1.6	—	—
*Renk RK11AA (2X)	31.7	30	—	132.2	126	—	0.8	1	—
Funk G4343 (2X)	31.8	31	30	121.5	112	121	0.0	0	1
*Michigan 407-2X (2X)	31.9	30	29	135.9	127	138	0.7	0	1
Golden Harvest H-2385 (3X)	31.9	—	—	100.3	—	—	0.0	—	—
Northrup King PX529 (3X)	31.9	—	—	110.2	—	—	0.8	—	—
Cargill 863 (2X)	31.9	31	—	125.9	121	—	0.8	1	—
Warwick TX27 (3X)	32.2	—	—	96.4	—	—	0.0	—	—
Warwick TX32 (3X)	32.2	—	—	111.1	—	—	0.0	—	—
Migro M-1020 (Sp.)	32.3	—	—	105.8	—	—	0.0	—	—
Asgrow RX53 (2X)	32.5	—	—	104.9	—	—	0.8	—	—
Warwick SL501 (Sp.)	32.5	30	30	100.9	98	111	0.8	0	1
*Funk G4288 (3X)	32.5	30	—	132.2	119	—	0.0	1	—
Funk G4252 (3X)	32.7	29	28	100.1	93	94	0.0	0	1
Garno WX-91 (2X) WX	32.9	—	—	109.7	—	—	0.0	—	—
Cowbell SX7300 (2X)	32.9	—	—	129.7	—	—	0.0	—	—
Golden Harvest H-2420 (2X)	33.1	—	—	123.4	—	—	0.0	—	—
DeKalb XL16 (2X)	33.1	—	—	121.4	—	—	0.0	—	—
*Michigan 410-2X (2X)	33.2	30	29	135.0	124	131	0.0	0	1
Muncy Chief SX440 (2X)	33.2	32	32	100.4	89	101	0.0	0	0
*Super Crost S27 (2X)	33.3	32	31	133.9	121	127	0.8	0	1
Taylor-Evans Bonusmaker (2X)	33.3	—	—	103.5	—	—	1.4	—	—
Super Crost 1901 (2X)	33.5	—	—	121.7	—	—	0.8	—	—
*Cowbell SX7440 (2X)	33.5	—	—	140.1	—	—	0.0	—	—
Super Crost W-1900 (2X)	33.5	31	—	108.1	104	—	0.0	0	—
*Wolverine W177 (2X)	33.6	—	—	134.6	—	—	0.0	—	—
Cargill 434 (3X)	33.6	—	—	112.0	—	—	0.0	—	—
Cowbell SX4100 (2X)	33.7	—	—	115.4	—	—	0.0	—	—
Michigan 500-2X (2X)	33.7	32	31	124.1	115	123	1.7	1	1
Trojan TXS105A (2X)	33.7	—	—	117.1	—	—	0.0	—	—
DeKalb XL19 (2X)	33.8	—	—	124.0	—	—	1.5	—	—
Golden Harvest H-2450 (2X)	34.0	—	—	129.2	—	—	0.0	—	—
Blaney B701 (2X)	34.0	33	32	127.4	122	132	0.0	0	2
Trojan TXS102A (2X)	34.1	—	—	121.9	—	—	0.8	—	—
Stewart 3-3301 (2X)	34.6	—	—	117.9	—	—	0.0	—	—
*Michigan 572-3X (3X)	34.6	31	30	131.2	123	132	0.0	0	1
Migro M-1212 (2X)	34.6	32	—	112.6	108	—	0.0	0	—
Wolverine W176 (2X)	34.6	32	32	117.8	113	119	0.8	0	0
Pride R522 (2X)	34.7	33	—	123.7	106	—	0.0	0	—
*Funk G4444 (2X)	34.8	32	31	138.2	128	135	0.0	0	1
Super Crost S25 (2X)	34.9	32	32	122.0	110	118	0.0	0	2
Funk G4404 (2X)	34.9	32	—	118.6	115	—	0.0	0	—
P.A.G. SX69 (2X)	34.9	33	—	108.6	110	—	0.0	0	—
*Migro M-1130 (2X)	35.0	33	—	130.2	122	—	0.0	0	—
Funk GWX520 (2X) WX	35.0	—	—	124.8	—	—	0.0	—	—
*Michigan 575-2X (2X)	35.1	33	32	137.6	128	134	0.0	0	0
Super Crost 2772 (2X)	35.1	33	—	110.3	109	—	0.0	0	—
*Northrup King PX48 (2X)	35.2	—	—	130.3	—	—	0.0	—	—
*Trojan TXS102 (2X)	35.4	—	—	139.4	—	—	0.0	—	—
*Pioneer 3780 (2X)	35.5	33	32	140.5	122	124	0.0	0	0
Funk G4384A (2X)	35.6	33	—	123.4	125	—	1.7	1	—
Cardinal SX112 (2X)	35.6	—	—	127.1	—	—	0.7	—	—
*Acco UC3301 (2X)	35.7	34	32	137.9	131	138	0.0	0	2
P.A.G. SX237 (2X)	35.7	—	—	100.7	—	—	0.0	—	—
Northrup King PX50A (2X)	35.8	—	—	115.8	—	—	0.0	—	—
Funk G-L2384 (Sp.) HL	35.8	—	—	126.5	—	—	2.4	—	—
Taylor-Evans Marketmaker (2X)	35.9	34	33	122.9	112	120	0.0	0	0
Funk G4321 (2X)	35.9	33	—	103.3	112	—	0.9	0	—
Cargill 449 (3X)	36.0	32	—	124.0	123	—	0.0	0	—
Cargill 875 (2X)	36.0	—	—	118.8	—	—	0.0	—	—
*Blaney B606 (2X)	36.1	—	—	143.4	—	—	0.0	—	—
Cardinal SX105 (2X)	36.1	—	—	115.8	—	—	0.0	—	—
Teweles 2400 (2X)	36.1	—	—	120.9	—	—	0.0	—	—
Funk G4366 (3X)	36.4	33	—	121.4	116	—	0.0	0	—
Super Crost 2890 (2X)	36.4	—	—	119.5	—	—	0.0	—	—
Funk GWX302 (Sp.) WX	36.7	—	—	116.0	—	—	0.0	—	—
Muncy Chief SX550 (2X)	36.8	35	34	101.8	96	108	0.0	0	0
DeKalb XL43A (2X)	36.8	—	—	129.7	—	—	0.0	—	—
Pride R 450 (2X)	36.9	35	34	103.6	97	112	0.0	0	0
Cowbell SX7480 (2X)	36.9	—	—	120.7	—	—	0.0	—	—
*Acco UC 2301 (2X)	37.0	32	—	131.7	116	—	0.7	0	—
Migro M-1010A (2X)	37.1	—	—	100.7	—	—	0.7	—	—
Voris V2442 (2X)	37.2	—	—	124.9	—	—	0.7	—	—
Wolverine W174 (2X)	37.6	—	—	117.9	—	—	0.0	—	—
Acco UC 3201 (2X)	37.8	34	34	114.6	108	113	0.0	0	1
Migro M-3020 (4X)	37.9	36	34	117.3	115	113	0.0	0	1
P.A.G. SX397 (2X)	38.2	—	—	117.9	—	—	3.0	—	—
Pioneer 3518 (Sp.)	38.5	35	—	117.5	120	—	0.0	0	—
Voris V 2452 (2X)	38.9	—	—	119.8	—	—	0.0	—	—
Muncy Chief SX662 (2X)	39.6	36	35	116.1	105	117	0.8	0	1
Super Crost S63 (2X)	40.4	37	—	109.4	108	—	0.0	0	—
*Voris V2532 (2X)	40.7	—	—	136.5	—	—	0.0	—	—
Migro M-0501 (2X)	40.8	38	37	115.6	114	119	0.0	0	1
Muncy Chief SX878 (2X)	40.9	37	36	106.0	93	107	0.0	0	0
*Teweles 3500A (2X)	41.0	—	—	132.1	—	—	0.0	—	—
Northrup King PX65 (2X)	41.0	—	—	120.2	—	—	0.0	—	—
Muncy Chief H764 (4X)	41.0	37	36	101.5	109	106	0.0	0	0
*Golden Harvest H-2500 (2X)	41.3	—	—	134.8	—	—	0.0	—	—
Teweles 3200 (2X)	41.4	—	—	116.6	—	—	0.0	—	—
Average	34.6	32	31	119.0	112	118	0.3	0.2	1
Range	26.8 to 41.4	24 to 38	24 to 37	95.2 to 143.4	89 to 131	94 to 138	0.0 to 3.5	0 to 2	0 to 2
Least significant difference	1.4	0.7	0.5	11.2	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	April 27	April 27	May 1
Harvested	October 7	October 1	October 10
Soil type	Conover clay loam	Conover clay loam	Conover clay loam
Previous crop	corn	corn	corn
Population	19,700	20,200	20,000
Rows	36"	36"	36"
Fertilizer	134-0-48	138-36-36	155-70-70
Soil test: pH	6.8	6.9	6.2
P	80 (very high)	39 (high)	101(very high)
K	175 (medium)	172 (medium)	287 (high)

Farm Cooperator: Michigan State University, East Lansing

County Extension Director: James Mulvaney, Mason

Table 10. SOUTH CENTRAL MICHIGAN Zone 2
INGHAM COUNTY TRIAL — SILAGE
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture in ears 1974	% Moisture in ears 2 Yrs	% Moisture in ears 3 Yrs	Tons per acre: Green weight 1974	Green weight 2 Yrs	Green weight 3 Yrs	Dry weight 1974	Dry weight 2 Yrs	Dry weight 3 Yrs	% Ears in dry weight 1974	% Ears in dry weight 2 Yrs	% Ears in dry weight 3 Yrs
Michigan 275-3X (2X)	33.6	32	32	15.6	13.4	14.2	6.0	5.4	5.6	50	56	56
Michigan 280 (4X)	35.6	32	32	17.1	14.3	15.3	6.5	5.7	6.1	49	51	53
Blaney B302 (2X)	38.4	36	—	16.9	14.8	—	6.3	6.0	—	55	56	—
Warwick TX32 (3X)	39.2	—	—	16.8	—	—	6.1	—	—	50	—	—
Super Crost 1692 (2X)	39.5	34	—	16.0	13.7	—	6.0	5.6	—	54	54	—
Michigan 333-3X (3X)	39.5	35	35	17.0	14.5	15.3	6.1	5.8	6.2	53	55	56
Migro M-0101 (2X)	39.8	—	—	17.1	—	—	6.3	—	—	43	—	—
Funk G4195 (3X)	40.1	38	—	14.6	13.3	—	5.4	5.5	—	54	55	—
Northrup King PX32 (2X)	40.2	—	—	17.9	—	—	6.4	—	—	49	—	—
Voris V2382 (2X)	40.6	—	—	15.8	—	—	5.9	—	—	53	—	—
Michigan 396-3X (3X)	40.8	37	38	18.0	15.3	17.4	6.4	6.2	6.7	51	54	54
Asgrow RX42 (2X)	41.8	—	—	15.3	—	—	5.7	—	—	55	—	—
Michigan 407-2X (2X)	42.7	40	41	18.4	16.6	18.4	6.5	6.4	6.8	53	57	57
Blaney 7305 (2X)	42.8	—	—	17.6	—	—	6.5	—	—	48	—	—
Northrup King PX529 (3X)	42.8	—	—	16.4	—	—	6.3	—	—	51	—	—
Warwick TX27 (3X)	43.0	—	—	16.7	—	—	5.6	—	—	53	—	—
DeKalb XL12 (2X)	43.1	—	—	14.4	—	—	5.0	—	—	53	—	—
Cargill 863 (2X)	43.1	42	—	17.3	15.7	—	6.1	6.1	—	50	52	—
Teweles 2800 (2X)	43.2	—	—	18.1	—	—	6.7	—	—	56	—	—
Funk G4343 (2X)	43.3	41	40	18.6	16.8	18.1	7.0	6.7	7.1	52	54	53
Golden Harvest H-2355 (2X)	43.4	—	—	14.8	—	—	5.7	—	—	53	—	—
Migro M-1020 (Sp.)	43.4	—	—	16.7	—	—	5.9	—	—	52	—	—
Asgrow RX53 (2X)	43.4	—	—	19.8	—	—	7.4	—	—	51	—	—
Warwick SL501 (Sp.)	43.5	40	40	18.0	14.5	16.1	6.3	5.7	6.2	48	53	53
Funk G4252 (3X)	43.6	40	38	17.3	14.8	15.0	6.7	6.1	6.1	48	51	51
Garno WX91 (2X) WX	43.8	—	—	18.1	—	—	5.7	—	—	49	—	—
Funk Exp. 26190 (3X)	44.0	—	—	15.0	—	—	5.5	—	—	50	—	—
Funk G4288 (3X)	44.4	42	—	18.4	16.0	—	6.3	5.3	—	52	—	—
Renk RK 11AA (2X)	44.5	41	—	18.7	17.5	—	6.1	6.4	—	49	54	—
Super Crost 1901 (2X)	45.0	42	—	19.6	14.9	—	6.6	5.4	—	48	53	—

(Continued)

TABLE 10. (Continued)

Hybrid (Brand — Variety)	% Moisture in ears 1974	% Moisture in ears 2 Yrs	% Moisture in ears 3 Yrs	Tons per acre Green weight 1974	Green weight 2 Yrs	Green weight 3 Yrs	Tons per acre Dry weight 1974	Dry weight 2 Yrs	Dry weight 3 Yrs	% Ears in dry weight 1974	% Ears in dry weight 2 Yrs	% Ears in dry weight 3 Yrs
Taylor-Evans Bonusmaker (2X)	45.0	—	—	17.1	—	—	5.8	—	—	53	—	—
Golden Harvest H-2385 (3X)	45.1	—	—	15.2	—	—	5.2	—	—	48	—	—
Super Crost W-1900 (2X)	45.3	—	—	15.1	—	—	4.6	—	—	52	—	—
Cargill 449 (3X)	45.3	42	—	18.2	17.1	—	5.6	6.2	—	47	51	—
Michigan 410-2X (2X)	45.4	41	40	19.5	17.5	19.1	5.9	6.2	6.8	54	55	54
Super Crost S25 (2X)	45.5	42	43	15.3	15.6	17.7	5.0	5.7	6.4	44	51	51
DeKalb XL16 (2X)	45.6	—	—	19.9	—	—	6.9	—	—	51	—	—
Super Crost S27 (2X)	45.7	43	43	18.1	16.2	17.3	6.8	6.6	6.7	54	56	55
DeKalb XL19 (2X)	45.7	—	—	22.3	—	—	7.3	—	—	50	—	—
Wolverine W176 (2X)	45.8	42	42	16.5	16.0	17.9	5.6	6.1	6.6	49	52	51
Michigan 572-3X (3X)	46.0	42	42	19.8	17.9	18.7	6.6	6.5	6.7	51	54	55
Trojan TXS105A (2X)	46.1	—	—	17.8	—	—	6.3	—	—	46	—	—
Cowbell SX7300 (2X)	46.1	—	—	19.1	—	—	5.9	—	—	51	—	—
Wolverine W177 (2X)	46.2	—	—	18.2	—	—	7.1	—	—	54	—	—
Cargill 434 (3X)	46.2	—	—	18.8	—	—	6.3	—	—	53	—	—
Stewart 3-3301 (2X)	46.2	—	—	20.4	—	—	7.3	—	—	45	—	—
Golden Harvest H-2420 (2X)	46.2	—	—	21.6	—	—	7.3	—	—	49	—	—
Cowbell SX4100 (2X)	46.3	—	—	16.3	—	—	5.3	—	—	48	—	—
Golden Harvest H-2450 (2X)	46.6	—	—	16.9	—	—	6.3	—	—	53	—	—
Acco UC2301 (2X)	46.6	41	—	18.0	15.3	—	6.7	6.1	—	50	55	—
Trojan TXS102A (2X)	46.7	—	—	16.0	—	—	5.8	—	—	51	—	—
Funk G4404 (2X)	46.8	43	—	21.3	18.6	—	7.6	7.4	—	49	51	—
Michigan 500-2X (2X)	47.0	43	42	17.6	15.8	17.2	5.5	5.7	6.0	54	57	57
Cowbell SX7440 (2X)	47.0	—	—	19.0	—	—	6.7	—	—	54	—	—
Trojan TXS102 (2X)	47.1	—	—	17.1	—	—	6.1	—	—	56	—	—
Michigan 575-2X (2X)	47.1	43	43	21.9	19.2	20.1	7.3	7.0	7.3	49	53	54
Blaney B606 (2X)	47.1	—	—	18.9	—	—	5.7	—	—	49	—	—
Funk G4444 (2X)	47.2	44	43	18.2	16.6	17.9	6.5	6.6	6.7	55	55	54
Funk GWX302 (Sp.) WX	47.2	—	—	22.0	—	—	7.0	—	—	45	—	—
Funk G4384A (2X)	47.3	44	—	23.6	19.3	—	7.0	6.7	—	47	53	—
Super Crost 2772 (2X)	47.4	44	—	17.9	17.8	—	5.8	6.4	—	52	53	—
Cardinal SX112 (2X)	47.6	—	—	17.0	—	—	6.1	—	—	51	—	—
Pride R522 (2X)	47.8	43	—	20.0	17.1	—	7.0	6.4	—	49	52	—
Pioneer 3780 (2X)	48.1	44	44	20.1	16.7	17.1	7.4	6.4	6.4	48	51	53
Cardinal SX105 (2X)	48.3	—	—	19.4	—	—	6.6	—	—	52	—	—
Funk G4321 (2X)	48.4	44	—	20.8	18.2	—	7.3	7.0	—	51	53	—
Funk G4366 (3X)	48.4	44	—	18.3	16.1	—	6.4	6.2	—	49	51	—
Acco UC3301 (2X)	48.5	45	45	16.9	15.9	17.7	6.1	6.3	6.8	52	52	51
Northrup King PX48 (2X)	48.7	—	—	18.3	—	—	6.8	—	—	52	—	—
Northrup King PX50A (2X)	48.8	—	—	18.1	—	—	6.5	—	—	45	—	—
P.A.G. SX237 (2X)	49.0	—	—	17.0	—	—	6.3	—	—	44	—	—
Funk G-L2384 (Sp.) HL	49.2	—	—	18.6	—	—	6.5	—	—	52	—	—
Teweles 2400 (2X)	49.2	—	—	18.8	—	—	6.3	—	—	48	—	—
Funk GWX520 (2X) WX	49.2	—	—	15.5	—	—	5.5	—	—	52	—	—
Blaney B701 (2X)	49.3	47	47	19.4	18.3	19.7	6.1	6.3	6.7	45	48	50
Migro M-1212 (2X)	49.4	44	—	17.5	15.9	—	5.5	5.9	—	48	—	—
Acco UC3201 (2X)	49.4	45	44	18.2	16.1	17.6	6.5	6.4	6.5	49	50	49
Muncy Chief SX550 (2X)	49.4	46	45	16.5	15.0	17.0	5.9	5.5	5.9	56	55	55
Pride R450 (2X)	49.5	45	45	15.2	16.1	18.2	4.7	5.8	6.2	52	53	53
Muncy Chief SX440 (2X)	49.6	44	46	16.1	13.7	17.6	4.7	4.7	5.5	46	52	50
P.A.G. SX69 (2X)	49.7	45	—	16.2	15.7	—	5.1	5.9	—	51	52	—
DeKalb XL43A (2X)	50.1	—	—	20.8	—	—	6.8	—	—	50	—	—
Cargill 875 (2X)	50.2	—	—	15.6	—	—	5.0	—	—	47	—	—
Migro M-1010A (2X)	50.2	—	—	15.4	—	—	5.0	—	—	43	—	—
Migro M-1130 (2X)	50.8	46	—	18.1	17.5	—	6.0	6.6	—	51	51	—
Taylor-Evans Marketmaker (2X)	50.8	45	45	18.1	15.8	17.3	6.1	6.0	6.4	48	52	51
Voris V2442 (2X)	50.9	—	—	21.8	—	—	7.3	—	—	48	—	—
Muncy Chief SX662 (2X)	51.3	47	46	19.5	18.2	19.4	6.4	6.2	6.5	52	54	52
Migro M-3020 (4X)	51.3	47	46	22.2	20.7	20.5	7.1	7.2	7.1	49	50	49
P.A.G. SX397 (2X)	52.1	—	—	23.3	—	—	6.8	—	—	51	—	—
Muncy Chief H764 (4X)	52.5	48	48	22.2	20.4	21.9	6.6	6.6	6.8	45	48	45
Pioneer 3518 (Sp.)	52.5	48	—	20.1	18.3	—	7.0	6.6	—	48	53	—
Cowbell SX7480 (2X)	52.5	—	—	21.6	—	—	7.2	—	—	47	—	—
Super Crost 2890 (2X)	53.3	—	—	22.0	—	—	6.6	—	—	48	—	—
Voris V2452 (2X)	54.0	—	—	19.7	—	—	6.2	—	—	48	—	—
Wolverine W174 (2X)	54.3	—	—	21.7	—	—	6.5	—	—	47	—	—
Teweles 3500A (2X)	54.7	—	—	26.1	—	—	7.3	—	—	42	—	—
Golden Harvest H-2500 (2X)	55.6	—	—	25.5	—	—	7.5	—	—	42	—	—
Teweles 3200 (2X)	56.9	—	—	21.8	—	—	6.0	—	—	44	—	—
Voris V2532 (2X)	58.5	—	—	25.0	—	—	7.0	—	—	40	—	—
Northrup King PX65 (2X)	59.4	—	—	25.4	—	—	7.5	—	—	39	—	—
Super Crost S63 (2X)	59.7	53	—	16.2	17.3	—	4.4	5.7	—	39	46	—
Muncy Chief SX878 (2X)	59.9	54	51	21.5	19.3	21.1	5.6	5.7	6.4	35	40	41
Migro M-0501 (2X)	60.1	57	55	21.1	21.8	22.7	6.3	6.8	7.1	39	41	41
Average	47.2	43	43	18.6	16.9	18.3	6.3	6.1	6.4	49	52	51
Range	33.6 to 60.1	32 to 57	32 to 55	14.4 to 26.1	13.3 to 21.8	14.2 to 22.7	4.4 to 7.6	4.7 to 7.4	5.5 to 7.3	35 to 56	40 to 57	41 to 57
Least significant difference	2.1	1.0	0.7	1.5	0.8	0.6	0.5	0.3	0.3	3	2	3

	1974	1973	1972
Planted	April 27	April 27	May 1
Harvested	September 10	September 6	September 7
Soil type	Conover clay loam	Conover clay loam	Conover clay loam
Previous crop	Corn	Corn	Corn
Population	19,200	19,600	19,200
Rows	36"	36"	36"
Fertilizer	134-0-48	138-36-36	155-70-70
Soil test: pH	6.8	6.9	6.2
P	80 (very high)	39 (high)	101 (very high)
K	175 (medium)	172 (medium)	287 (high)

Farm Cooperator: Michigan State University

County Extension Director: James Mulvaney, Mason

Table 11. NORTH CENTRAL MICHIGAN Zone 3
SANILAC COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Michigan 2833 (3X)	25.6	25	—	108.9	113	—	0.0	2	—
Michigan 275-2X (2X)	26.0	25	25	110.0	107	113	0.0	6	6
Michigan 2853 (3X)	26.2	—	—	112.0	—	—	0.0	—	—
Michigan 280 (4X)	26.4	24	25	103.1	101	110	3.2	7	6
Pioneer 3965 (3X)	26.5	—	—	97.0	—	—	0.0	—	—
Asgrow RX 42 (2X)	26.9	26	26	110.3	114	122	0.0	2	2
Renk RX 14 (2X)	27.0	—	—	106.2	—	—	0.0	—	—
Warwick SL 224 (2X)	27.1	—	—	101.6	—	—	2.4	—	—
Northrup King PX 20 (2X)	27.2	—	—	109.7	—	—	0.0	—	—
Renk RK6 (2X)	27.2	27	27	110.3	114	125	0.0	1	1
Blaney B 302 (2X)	27.3	26	26	109.0	116	120	0.0	1	1
Pioneer 3956A (2X)	27.3	27	—	100.7	102	—	0.8	10	—
Blaney B 100 (2X)	27.5	—	—	100.5	—	—	0.8	—	—
Super Crost 1692 (2X)	27.7	27	—	109.6	117	—	0.0	3	—
DeKalb XL 12 (2X)	27.9	28	27	99.2	101	108	0.0	3	2
Michigan 333-3X (3X)	27.9	26	26	111.6	113	121	0.0	2	2
Acco U 324 (3X)	27.9	—	—	80.9	—	—	0.0	—	—
Funk G4252 (3X)	28.3	27	—	95.5	113	—	0.0	2	—
Funk G4195 (3X)	28.6	26	—	107.7	109	—	1.5	11	—
Garno S 85X (2X)	28.7	27	—	104.7	115	—	0.0	9	—
Migro M-0101 (2X)	28.8	—	—	98.9	—	—	0.0	—	—
Blaney 7305 (2X)	28.9	—	—	112.5	—	—	0.0	—	—
Warwick SL 501 (Sp.)	28.9	—	—	111.6	—	—	0.7	—	—
*Michigan 3102 (2X)	28.9	—	—	117.5	—	—	0.0	—	—
Pride R290 (2X)	29.6	29	29	110.7	130	133	1.5	2	2
Michigan 396-3X (3X)	29.7	28	28	112.5	125	132	0.0	5	3
Warwick TX 27 (3X)	30.1	—	—	86.0	—	—	0.0	—	—
Acco U326 (3X)	30.1	28	—	105.3	117	—	0.0	7	—
*Blaney B401 (2X)	30.5	28	—	112.9	122	—	0.0	4	—
*Northrup King PX 32 (2X)	30.5	—	—	113.7	—	—	0.0	—	—
Migro M-1020 (Sp.)	30.6	—	—	106.8	—	—	0.0	—	—
*Pioneer 3958 (2X)	31.0	—	—	115.1	—	—	0.0	—	—
Northrup King PX 25 (2X)	31.0	—	—	107.7	—	—	0.8	—	—
Trojan TXS 99 (2X)	31.1	—	—	86.5	—	—	0.0	—	—
Warwick TX 32 (3X)	31.2	—	—	91.3	—	—	0.0	—	—
*Michigan 407-2X (2X)	31.3	29	31	120.6	137	145	0.0	5	4
Garno WX 91 (2X) WX	31.6	—	—	96.5	—	—	1.5	—	—
Oxy 476 (Sp.)	31.6	—	—	108.7	—	—	0.0	—	—
Blaney B 605 WX (2X) WX	31.7	—	—	105.2	—	—	0.0	—	—
Migro M-1101 (2X)	32.0	29	30	95.6	108	120	0.0	1	1

(Continued)

TABLE 11. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
*Super Crost W-1900 (2X)	32.0	—	—	114.9	—	—	0.0	—	—
Funk Exp. 26190 (3X)	32.0	—	—	108.7	—	—	0.0	—	—
*Pioneer 3784 (2X)	32.1	30	30	119.8	127	131	0.0	1	1
DeKalb XL 10 (2X)	32.2	—	—	100.7	—	—	0.0	—	—
Trojan TX 100 (3X)	32.3	30	—	94.5	115	—	0.8	5	—
Funk G4343 (2X)	32.5	30	—	104.7	117	—	0.0	2	—
*Asgrow RX 53 (2X)	32.5	30	30	119.7	135	140	0.0	2	1
Acco UC 1151 (2X)	32.6	—	—	87.1	—	—	0.0	—	—
*Michigan 410-2X (2X)	32.7	30	29	117.3	131	136	0.0	5	3
Stewart 2-3001 (2X)	33.3	—	—	104.5	—	—	0.0	—	—
Wolverine W 166 (2X)	33.8	—	—	106.1	—	—	0.0	—	—
*Super Crost 1901 (2X)	33.9	—	—	112.8	—	—	0.8	—	—
Acco UC 2301 (2X)	34.1	30	—	98.5	120	—	0.0	2	—
Garno S 92 (2X)	34.2	—	—	102.8	—	—	0.8	—	—
Michigan 572-3X (3X)	34.5	32	32	108.1	129	136	0.0	1	1
Migro M-1212 (2X)	34.6	32	—	82.5	120	—	0.8	1	—
*Funk G4444 (2X)	35.2	33	34	121.0	135	140	0.0	1	1
Blaney 6616 (3X)	35.3	33	—	96.4	123	—	0.0	1	—
Super Crost S25 (2X)	35.5	32	—	84.8	122	—	0.0	7	—
Blaney B501A (2X)	35.6	32	33	105.0	117	127	0.7	1	1
DeKalb XL 16 (2X)	35.7	—	—	108.1	—	—	0.0	—	—
Super Crost S27 (2X)	35.7	34	—	103.5	133	—	0.0	1	—
Michigan 575-2X (2X)	35.8	—	—	107.2	—	—	0.0	—	—
Funk G4288 (3X)	35.8	32	—	108.4	120	—	0.0	5	—
*Pride R 252 (2X)	35.8	31	—	112.8	101	—	0.0	1	—
Funk G4321 (2X)	36.2	33	—	110.2	135	—	0.0	1	—
Northrup King PX 529 (3X)	36.4	—	—	105.7	—	—	0.0	—	—
Michigan 500-2X (2X)	36.4	33	33	105.6	125	131	0.0	1	1
Trojan TXS 105A (2X)	36.6	—	—	94.3	—	—	0.0	—	—
Funk G4366 (3X)	36.6	33	—	90.0	121	—	0.0	3	—
Pioneer 3780 (2X)	36.8	—	—	94.6	—	—	0.0	—	—
Oxy 490 (2X)	37.0	—	—	93.4	—	—	0.0	—	—
Funk G4384A (Sp.)	37.2	34	—	100.0	131	—	0.8	2	—
Funk G4404 (2X)	37.3	33	—	102.4	127	—	0.0	3	—
Northrup King PX 48 (2X)	37.4	—	—	99.6	—	—	0.0	—	—
DeKalb XL 21 (2X)	37.5	—	—	90.9	—	—	0.0	—	—
Northrup King PX 50A (2X)	37.5	34	—	93.0	119	—	0.0	2	—
P.A.G. SX69 (2X)	37.8	34	—	98.9	112	—	0.0	4	—
Cargill 890 (2X)	37.8	—	—	95.3	—	—	0.0	—	—
Garno S 94A (2X)	38.4	35	—	96.9	130	—	0.7	2	—
Super Crost 2890 (2X)	38.6	—	—	97.0	—	—	0.0	—	—
P.A.G. SX 237 (2X)	38.9	—	—	82.3	—	—	0.0	—	—
Migro M-1010A (2X)	39.0	—	—	80.9	—	—	0.0	—	—
Acco UC 3201 (2X)	39.1	36	—	84.9	125	—	0.0	2	—
P.A.G. SX53 (2X)	39.2	35	—	97.1	114	—	0.7	2	—
Migro M-1130 (2X)	39.4	36	—	97.3	130	—	0.0	2	—
Average	32.5	30	29	102.8	120	127	0.2	3	2
Range	25.6 to 39.4	24 to 36	25 to 34	80.9 to 121.0	101 to 137	108 to 145	0.0 to 3.2	1 to 11	1 to 6
Least significance difference	1.4	0.8	0.6	9.8	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 22	May 22	May 11
Harvested	Oct. 25	Oct. 31	Nov. 3
Soil type	Brookston clay loam	Brookston clay loam	Brookston clay loam
Previous crop	Corn	Corn	Corn
Population	21,400	20,100	20,000
Rows	30"	30"	30"
Fertilizer	122-88-88	118-72-72	115-60-60
Soil test: pH	6.6	6.6	6.6
P	51 (very high)	47 (very high)	46 (very high)
K	241 (high)	229 (high)	267 (high)

Farm Cooperator: Orville Orchard, Applegate

County Extension Director: Rex Sieting, Sandusky

Table 12. NORTH CENTRAL MICHIGAN Zone 3
SAGINAW COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Michigan 2853 (3X)	20.5	—	—	120.1	—	—	2.2	—	—
Funk Exp 26438 (2X)	20.7	—	—	112.8	—	—	0.0	—	—
Northrup King PX 20 (2X)	20.8	—	—	118.2	—	—	2.2	—	—
Michigan 2833 (3X)	20.9	—	—	118.9	—	—	3.5	—	—
Pioneer 3965 (3X)	21.4	—	—	118.9	—	—	4.3	—	—
Migro M-0101 (2X)	21.5	—	—	114.1	—	—	4.2	—	—
Michigan 280 (4X)	21.6	20	21	120.0	110	117	5.2	5	7
Michigan 275-2X (2X)	22.1	21	21	115.7	108	112	4.9	7	9
Renk RK 14 (2X)	22.8	—	—	129.7	—	—	2.3	—	—
Funk G4195 (3X)	23.1	22	—	136.2	116	—	3.8	3	—
Michigan 333-3X (3X)	23.2	22	23	135.2	121	127	4.9	3	3
Warwick TX 27 (3X)	23.3	22	—	114.0	100	—	0.8	1	—
Blaney B 302 (2X)	23.3	21	23	128.0	118	127	0.0	0	0
Michigan 396-3X (3X)	23.4	22	23	140.8	125	132	2.7	3	5
Teweles 1500 (2X)	23.6	—	—	138.4	—	—	0.8	—	—
Northrup King PX 25 (2X)	23.6	—	—	119.1	—	—	2.9	—	—
Michigan 3102 (2X)	23.6	—	—	143.7	—	—	1.1	—	—
Stewart 2-3102 (2X)	23.9	—	—	141.8	—	—	0.8	—	—
Funk G4252 (3X)	24.1	22	23	140.2	117	126	3.8	5	5
Asgrow RX 42 (2X)	24.2	22	23	131.2	116	130	4.0	3	5
Super Crost 1692 (2X)	24.4	22	—	138.7	118	—	0.0	1	—
Cargill 830 (2X)	24.5	—	—	147.0	—	—	4.4	—	—
Northrup King PX 32 (2X)	24.6	—	—	147.3	—	—	3.0	—	—
Gutwein 08 (2X)	24.7	—	—	118.6	—	—	0.0	—	—
Pride 4404 (2X)	24.8	—	—	144.1	—	—	3.6	—	—
Warwick SL 501 (Sp.)	24.9	23	—	142.4	122	—	3.1	3	—
Warwick TX 32 (3X)	25.0	—	—	134.8	—	—	0.8	—	—
Michigan 407-2X (2X)	25.0	24	24	146.0	133	146	0.0	3	3
Migro M-1020 (Sp.)	25.2	—	—	118.3	—	—	3.2	—	—
Blaney B 401 (2X)	25.2	—	—	139.7	—	—	2.2	—	—
Migro M-1101 (2X)	25.3	23	24	140.5	127	134	0.0	0	1
Golden Harvest H-2355 (2X)	25.4	—	—	138.8	—	—	1.6	—	—
Renk RK 6 (2X)	25.5	24	—	128.7	113	—	0.0	1	—
Funk G4343 (2X)	25.5	24	25	145.5	121	128	1.5	2	1
Michigan 410-2X (2X)	25.5	23	24	144.0	128	135	3.0	3	2
*Blaney 7305 (2X)	25.6	—	—	152.9	—	—	0.0	—	—
Gutwein 10A (2X)	25.8	23	24	141.8	120	128	2.2	2	2
Garno WX-91 (2X) WX	25.9	—	—	127.8	—	—	3.2	—	—
Super Crost S25 (2X)	26.0	24	25	111.7	112	132	3.0	2	1
Funk G4404 (2X)	26.1	24	—	142.6	119	—	1.5	1	—
Super Crost 1901 (2X)	26.4	—	—	116.6	—	—	2.4	—	—
Muncy Chief 304 (4X)	26.5	25	26	103.6	96	110	1.5	4	3
Muncy Chief 401 (4X)	26.5	24	—	133.3	112	—	0.0	1	—
Funk G4288 (3X)	26.6	25	—	145.8	128	—	8.8	5	—
Super Crost W-1900 (2X)	26.7	23	—	145.1	128	—	0.8	2	—
Funk Exp 26190 (3X)	27.1	—	—	130.1	—	—	1.7	—	—
Michigan 572-3X (3X)	27.2	25	26	150.9	132	145	2.7	3	3
Asgrow RX 53 (2X)	27.3	25	26	147.4	129	138	0.7	2	2
Trojan TXS 102A (2X)	27.5	—	—	130.0	—	—	0.8	—	—
Northrup King PX 529 (3X)	27.5	—	—	149.7	—	—	3.8	—	—
Payco SX 775N (2X)	27.7	—	—	149.3	—	—	0.0	—	—
Golden Harvest H-2420 (2X)	27.8	—	—	130.0	—	—	0.7	—	—
Pioneer 3780 (2X)	27.8	26	26	146.4	129	140	0.0	0	0
Migro M-1212 (2X)	27.8	25	—	154.4	135	—	0.8	3	—
Teweles 6100 A (3X)	27.9	26	—	152.1	126	—	3.1	2	—
Pioneer 3773 (2X)	27.9	25	25	144.9	129	137	2.3	1	4
Blaney B 701 (2X)	27.9	26	26	143.2	134	143	4.5	7	6
Muncy Chief SX 440 (2X)	28.0	25	28	111.9	98	119	5.5	4	3
Northrup King KE 497 (4X)	28.0	—	—	134.4	—	—	13.3	—	—
*Golden Harvest H-2450 (2X)	28.1	—	—	154.1	—	—	0.0	—	—
Funk G4366 (3X)	28.1	25	—	143.3	127	—	0.0	2	—
*Wolverine W170 (2X)	28.3	25	27	152.2	129	136	2.2	2	1
*Cardinal SX 112 (2X)	28.3	—	—	152.4	—	—	0.7	—	—
*DeKalb XL 45A (2X)	28.4	—	—	152.8	—	—	1.5	—	—
Wolverine W166 (2X)	28.6	26	26	150.4	133	130	1.5	1	4
*Cardinal SX 105 (2X)	28.7	—	—	154.3	—	—	3.7	—	—
Funk G4444 (2X)	28.8	27	28	144.2	129	143	0.8	0	0
Migro M-1130 (2X)	28.9	27	—	144.2	124	—	6.0	4	—
Michigan 500-2X (2X)	28.9	27	27	144.6	127	127	1.8	4	5
*Super Crost S27 (2X)	29.0	27	28	159.4	138	146	0.0	1	1
O's Gold SX 1100 (2X)	29.1	—	—	140.5	—	—	2.3	—	—
Golden Harvest H-2385 (3X)	29.4	—	—	151.4	—	—	3.6	—	—
*Northrup King PX 48 (2X)	29.7	—	—	163.8	—	—	3.1	—	—
DeKalb XL 42 (2X)	29.7	—	—	145.0	—	—	4.7	—	—
O's Gold SX-2145 (2X)	29.7	—	—	129.6	—	—	4.5	—	—

(Continued)

TABLE 12. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Cargill 846 (2X)	29.8	—	—	132.7	—	—	0.7	—	—
DeKalb XL 44 (2X)	29.9	28	29	137.4	124	124	0.7	1	1
*Wolverine W 177 (2X)	30.0	—	—	160.7	—	—	6.0	—	—
*Super Crost 2890 (2X)	30.0	—	—	162.1	—	—	0.0	—	—
Teweles 2400 (2X)	30.2	—	—	151.0	—	—	3.2	—	—
*King Row KRX 301 (2X)	30.3	—	—	152.4	—	—	0.8	—	—
Acco UC 2301 (2X)	30.5	26	—	129.1	118	—	0.8	0	—
*Funk G4321 (2X)	30.5	27	—	160.4	134	—	1.6	1	—
Funk G4384A (Sp.)	30.7	28	—	133.8	128	—	1.5	2	—
*Michigan 575-2X (2X)	30.7	28	29	159.9	142	151	0.0	0	1
*Trojan TXS 102 (2X)	30.8	28	28	162.0	141	150	0.7	2	2
Teweles 2800 (2X)	30.8	—	—	142.5	—	—	1.7	—	—
*Acco UC 3301 (2X)	31.1	29	29	163.5	145	149	0.8	2	2
Migro M-1010A (2X)	31.4	—	—	136.9	—	—	0.8	—	—
*Super Crost 2772 (2X)	31.6	—	—	161.3	—	—	0.0	—	—
Pioneer 3518 (Sp.)	31.7	—	—	128.6	—	—	0.0	—	—
Northrup King PX 50A (2X)	31.8	29	29	143.7	132	145	0.0	1	1
Wolverine W 174 (2X)	31.8	—	—	145.0	—	—	1.6	—	—
Gutwein 48 (2X)	32.9	—	—	131.0	—	—	0.7	—	—
Acco UC 3201 (2X)	33.2	29	30	133.7	124	135	0.8	1	1
Muncy Chief SX550 (2X)	33.6	31	31	125.5	107	115	0.0	1	1
Blaney B 705 (2X)	34.0	29	—	141.3	133	—	4.7	4	—
*Blaney B 606 (2X)	34.4	—	—	155.5	—	—	0.0	—	—
*O's Gold SX 5500 A (2X)	35.1	—	—	152.5	—	—	0.8	—	—
DeKalb XL 43A (2X)	35.3	—	—	143.7	—	—	1.6	—	—
*Golden Harvest H-2500 (2X)	36.5	—	—	156.0	—	—	0.8	—	—
Average	27.4	25	26	139.5	124	133	2.2	2	2
Range	20.5 to 36.5	20 to 31	21 to 31	103.6 to 163.8	96 to 145	110 to 151	0.0 to 13.3	0 to 7	0 to 9
*Least significant difference	1.2	0.8	0.6	12.6	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	April 26	May 14	April 28
Harvested	Oct. 21	Oct. 27	Oct. 31
Soil Type	Brookston clay loam	Brookston clay loam	Brookston clay loam
Previous crop	Sugar beets	Corn	Corn
Population	20,800	20,300	20,200
Rows	30"	30"	30"
Fertilizer	161-144-108	169-96-48	130-60-60
Soil test: pH	7.5	7.6	7.5
P	152 (very high)	70 (very high)	53 (very high)
K	612 (very high)	348 (very high)	321 (very high)

Farm Cooperators: Walter Reinbold & Sons, Reese

County Extension Director: Ray Vassold, Saginaw

Table 13. **NORTH CENTRAL MICHIGAN** Zone 3
HURON COUNTY TRIAL — (GRAIN)
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Michigan 2833 (3X)	21.8	21	—	115.1	112	—	3.7	5	—
Michigan 2853 (3X)	21.9	—	—	115.0	—	—	1.6	—	—
Payco SX 465 (2X)	22.1	—	—	105.7	—	—	0.0	—	—
Northrup King PX 13 (2X)	23.0	—	—	112.4	—	—	7.6	—	—
Michigan 280 (4X)	23.1	21	22	119.0	110	114	5.6	5	6
Super Crost 1103 (2X)	23.3	—	—	103.0	—	—	0.0	—	—
Northrup King PX 20 (2X)	23.3	22	23	121.8	115	112	0.7	1	4
Michigan 333-3X (3X)	23.5	22	23	129.8	121	120	0.8	3	3
Super Crost 1610 (2X)	23.7	—	—	95.1	—	—	10.0	—	—
Michigan 275-2X (2X)	23.7	22	22	116.1	112	109	7.8	6	8
Pride R173 (3X)	24.0	—	—	118.3	—	—	0.0	—	—
Gutwein 08 (2X)	24.5	23	—	116.0	109	—	0.0	0	—
Blaney B 100 (2X)	24.5	—	—	97.1	—	—	2.5	—	—
Pioneer 3965 (3X)	24.8	—	—	103.1	—	—	4.7	—	—
Funk G4195 (2X)	25.1	23	—	108.2	101	—	0.0	2	—
DeKalb XL 12 (2X)	25.1	23	25	125.4	113	115	3.8	3	3
Migro M-0101 (2X)	25.1	—	—	128.9	—	—	0.7	—	—
Wolverine W 128 (2X)	25.2	—	—	111.6	—	—	0.8	—	—
Trojan TX 90 (3X)	25.6	—	—	102.5	—	—	3.1	—	—
Michigan 3102 (2X)	25.6	—	—	134.3	—	—	0.8	—	—
Super Crost 1692 (2X)	25.9	23	—	133.2	114	—	0.8	2	—
Blaney B 302 (2X)	25.9	—	—	118.9	—	—	1.6	—	—
P.A.G. (2X)	26.1	—	—	113.4	—	—	7.0	—	—
Blaney B 401 (2X)	26.3	—	—	129.9	—	—	0.8	—	—
Oxy 352 (2X)	26.3	—	—	119.9	—	—	3.9	—	—
*Michigan 396-3X (3X)	26.3	24	25	139.7	131	127	0.8	1	2
Garno S85X (2X)	26.4	24	—	111.2	108	—	5.4	5	—
*Stewart 2-3001 (2X)	26.5	—	—	141.9	—	—	0.0	—	—
Golden Harvest H-2355 (2X)	26.7	—	—	121.2	—	—	0.8	—	—
Pride R 252 (2X)	26.7	—	—	123.8	—	—	0.0	—	—
Funk G4252 (3X)	26.9	24	25	132.0	118	110	1.5	4	6
Migro M-1010A (2X)	27.4	—	—	107.7	—	—	2.4	—	—
Garno S 85 (2X)	27.6	24	—	118.8	106	—	0.8	1	—
Lowe LSX 101 (2X)	27.7	—	—	98.9	—	—	5.0	—	—
Northrup King PX 25 (2X)	27.7	—	—	126.4	—	—	8.3	—	—
*Michigan 407-2X (2X)	27.7	25	27	141.4	134	139	2.4	4	3
*Northrup King PX 32 (2X)	27.9	—	—	147.4	—	—	2.9	—	—
Pioneer 3785 (2X)	28.1	—	—	123.1	—	—	1.6	—	—
P.A.G. SX 67 (2X)	28.4	25	—	113.8	117	—	0.0	1	—
Northrup King PX 476 (3X)	28.4	—	—	102.3	—	—	1.6	—	—
Migro M-1020 (Sp.)	28.6	—	—	108.7	—	—	2.3	—	—
Pioneer 3797 (3X)	28.6	—	—	100.3	—	—	0.0	—	—
Acco UC 2901 (2X)	28.6	25	—	122.2	118	—	0.0	0	—
Funk Exp 26190 (3X)	28.8	—	—	138.5	—	—	0.0	—	—
Northrup King PX 529 (3X)	28.8	—	—	130.2	—	—	3.1	—	—
*Michigan 410-2X (2X)	28.8	25	27	144.9	136	134	4.6	3	3
Pioneer 3784 (2X)	29.1	26	27	128.5	126	130	0.8	0	0
Migro M-1101 (2X)	29.1	26	27	121.6	112	116	0.7	1	4
*Funk G4288 (3X)	29.1	26	—	140.3	129	—	0.8	1	—
Asgrow RX 53 (2X)	29.3	26	27	135.9	125	126	0.7	2	1
Gutwein 10A (2X)	29.3	26	—	121.0	104	—	0.0	1	—
Pride 4404 (2X)	29.4	—	—	126.4	—	—	0.8	—	—
*Blaney 6616 (3X)	29.6	—	—	150.3	—	—	2.3	—	—
Funk G4343 (2X)	29.8	27	—	125.2	115	—	0.0	1	—
*Jacques JX 122A (2X)	29.9	26	—	152.2	140	—	0.7	1	—
*Michigan 572-3X (3X)	30.0	26	27	150.2	142	141	0.0	1	2
Trojan TX 100 (3X)	30.2	27	27	125.0	119	121	0.8	0	1
Garno WX-91 (2X) WX	30.3	—	—	104.4	—	—	0.9	—	—
Blaney B605WX (2X) WX	30.5	—	—	128.8	—	—	0.8	—	—
*Funk G4321 (2X)	30.6	28	—	151.8	141	—	0.0	0	—
*Golden Harvest H-2450 (2X)	30.6	—	—	152.5	—	—	5.1	—	—
*Blaney 7305 (2X)	30.7	—	—	145.6	—	—	2.2	—	—
*Garno S92 (2X)	30.7	27	—	140.7	121	—	0.0	1	—
DeKalb XL 22 (2X)	30.8	29	30	138.7	128	127	1.5	2	2
*Blaney B501 A (2X)	30.8	—	—	143.8	—	—	0.7	—	—
Gutwein 27 (2X)	31.0	28	—	114.4	122	—	2.3	2	—
Wolverine W166 (2X)	31.0	—	—	133.7	—	—	0.7	—	—
Super Crost 1901 (2X)	31.0	—	—	126.5	—	—	0.8	—	—
Golden Harvest H-2385 (3X)	31.0	—	—	118.5	—	—	0.8	—	—
*Pioneer 3780 (2X)	31.0	28	29	143.2	130	125	0.7	0	1
Lowe LSX 100 (2X)	31.0	—	—	108.8	—	—	0.8	—	—
Migro M-1212 (2X)	31.1	27	—	126.1	127	—	0.0	3	—
*Michigan 500-2X (2X)	31.2	28	29	148.9	137	139	3.8	3	2
*Asgrow RX 58 (2X)	31.2	29	—	153.0	141	—	4.0	2	—
*Cardinal SX 105 (2X)	31.3	—	—	148.1	—	—	0.7	—	—
O's Gold SX-2145 (2X)	31.5	—	—	137.6	—	—	3.2	—	—
*Funk G 4404 (2X)	31.5	28	—	146.5	141	—	0.0	0	—
*Northrup King PX 48 (2X)	31.7	—	—	141.9	—	—	0.0	—	—
Payco SX 775 N (2X)	31.8	—	—	133.4	—	—	0.0	—	—
P.A.G. SX 69 (2X)	31.9	29	—	134.1	119	—	0.8	0	—
*Cargill 875 (2X)	32.0	—	—	141.4	—	—	3.2	—	—
*Michigan 575-2X (2X)	32.1	—	—	148.1	—	—	0.0	—	—
*Super Crost S27 (2X)	32.1	28	30	148.0	134	139	1.5	2	2
*DeKalb XL 43A (2X)	32.2	—	—	144.6	—	—	1.5	—	—
DeKalb XL 44 (2X)	32.3	—	—	118.0	—	—	1.4	—	—
*Acco UC 3301 (2X)	32.3	—	—	155.4	—	—	0.8	—	—
*Cargill 434 (3X)	32.4	—	—	145.5	—	—	1.5	—	—
*O's Gold SX-1100 (2X)	32.4	—	—	142.4	—	—	0.0	—	—
Funk G4366 (3X)	32.5	29	—	122.3	120	—	2.4	2	—
*Pioneer 3518 (Sp.)	32.5	—	—	147.2	—	—	0.8	—	—
Golden Harvest H-2420 (2X)	32.6	—	—	120.1	—	—	1.6	—	—
*Acco UC 3201 (2X)	32.6	29	—	143.6	130	—	1.5	3	—
Blaney B 606 (2X)	32.7	—	—	125.6	—	—	0.0	—	—
Super Crost 2890 (2X)	32.9	—	—	114.6	—	—	0.0	—	—
Trojan TXS 102A (2X)	32.9	—	—	113.6	—	—	0.0	—	—

(Continued)

TABLE 13. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Wolverine W174 (2X)	33.0	—	—	134.6	—	—	0.0	—	—
Super Crost S25 (2X)	33.0	28	29	124.4	128	133	0.8	1	1
Migro M-1130 (2X)	33.1	30	—	130.5	127	—	3.2	2	—
*Northrup King PX 50A (2X)	33.2	29	—	140.6	128	—	2.2	1	—
Gutwein 128 (Sp.)	33.3	29	—	128.2	127	—	2.3	2	—
P.A.G. SX 237 (2X)	33.3	—	—	130.3	—	—	0.0	—	—
Gutwein 48 (2X)	35.8	30	—	135.6	124	—	1.4	1	—
Funk G4444 (2X)	35.9	30	31	137.8	138	142	1.5	3	5
Trojan TXS 108A (2X)	35.9	32	—	126.9	130	—	0.0	2	—
*Golden Harvest H-2500 (2X)	38.4	—	—	139.4	—	—	0.0	—	—
Average	29.2	26	27	128.0	123	127	1.9	2	3
Range	21.8 to 38.4	21 to 32	22 to 31	95.1 to 155.4	101 to 142	109 to 142	0.0 to 10.0	0 to 6	0 to 8
Least significant difference	1.2	0.9	0.6	11.3	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	April 25	May 16	April 29
Harvested	Oct. 17	Oct. 24	Oct. 25
Soil type	Brookston clay loam	Brookston clay loam	Brookston clay loam
Previous crop	Corn	Corn	Corn
Population	19,700	19,900	19,000
Rows	30"	30"	30"
Fertilizer	157-82-192	198-115-120	165-80-0
Soil test: pH	7.3	7.0	7.2
P	37 (high)	74 (very high)	53 (very high)
K	215 (high)	472 (very high)	255 (high)

Farm Cooperator: William McCrea, Bad Axe

County Extension Director: Tony Rapes (1974), Lee Warschefsky (1973, 1972) Bad Axe

Table 14. NORTH CENTRAL MICHIGAN Zone 3
HURON COUNTY TRIAL — SILAGE
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture in ears 1974	% Moisture in ears 2 Yrs	% Moisture in ears 3 Yrs	Tons per acre: Green weight 1974	Green weight 2 Yrs	Green weight 3 Yrs	Dry weight 1974	Dry weight 2 Yrs	Dry weight 3 Yrs	% Ears in dry weight 1974	% Ears in dry weight 2 Yrs	% Ears in dry weight 3 Yrs
Blaney B100 (2X)	31.5	—	—	9.1	—	—	5.2	—	—	60	—	—
Super Crost 1610 (2X)	31.9	—	—	8.8	—	—	5.1	—	—	60	—	—
Pride R173 (3X)	32.7	—	—	11.5	—	—	6.1	—	—	61	—	—
Northrup King PX13 (2X)	32.7	—	—	7.8	—	—	4.5	—	—	64	—	—
Michigan 275-2X (2X)	32.8	31	34	10.8	11.7	12.0	5.7	6.1	5.8	57	55	57
Michigan 2853 (3X)	33.1	—	—	12.8	—	—	5.9	—	—	56	—	—
Pioneer 3965 (3X)	33.3	—	—	11.4	—	—	6.1	—	—	63	—	—
Michigan 2833 (3X)	33.6	33	—	13.3	13.3	—	6.3	6.5	—	59	60	—
Payco SX465 (2X)	34.4	—	—	13.1	—	—	6.1	—	—	60	—	—
Michigan 280 (4X)	34.9	32	34	13.6	13.4	14.8	6.5	6.6	6.7	61	59	59
Wolverine W128 (2X)	35.0	—	—	13.4	—	—	6.0	—	—	60	—	—
Super Crost 1103 (2X)	35.1	—	—	11.1	—	—	5.6	—	—	54	—	—
Lowe LSX101 (2X)	35.2	—	—	10.4	—	—	5.0	—	—	60	—	—
Oxy 352 (2X)	35.2	—	—	13.0	—	—	6.3	—	—	61	—	—
Trojan TX90 (3X)	35.3	—	—	12.5	—	—	6.3	—	—	57	—	—
Super Crost 1692 (2X)	35.4	35	—	14.9	13.6	—	7.2	6.7	—	62	62	—
Blaney B302 (2X)	35.4	—	—	12.0	—	—	5.7	—	—	59	—	—
Funk G4195 (3X)	35.5	35	—	13.6	13.4	—	6.4	6.4	—	57	57	—
Michigan 333-3X (3X)	35.6	35	37	14.2	13.6	15.3	6.6	6.7	6.7	63	61	59
Northrup King PX476 (3X)	35.7	—	—	11.0	—	—	5.5	—	—	56	—	—
Northrup King PX20 (2X)	35.7	33	35	13.6	12.7	13.0	6.5	6.6	6.3	63	59	60
Stewart 2-3001 (2X)	35.8	—	—	15.1	—	—	6.8	—	—	63	—	—
Blaney 7305 (2X)	35.9	—	—	16.0	—	—	7.0	—	—	56	—	—
Michigan 3102 (2X)	36.0	—	—	15.9	—	—	6.8	—	—	59	—	—
P.A.G. SX177 (2X)	36.2	—	—	14.4	—	—	6.5	—	—	57	—	—
Gutwein 08 (2X)	36.2	37	—	13.4	12.5	—	6.0	6.0	—	58	60	—
DeKalb XL12 (2X)	36.3	37	40	12.4	12.4	14.0	6.0	6.2	6.2	55	56	57
Northrup King PX25 (2X)	36.3	—	—	14.4	—	—	6.4	—	—	54	—	—
Migro M-0101 (2X)	36.4	—	—	12.0	—	—	6.2	—	—	59	—	—
Garno S85X (2X)	36.5	36	—	14.7	13.2	—	6.6	6.4	—	58	61	—
Michigan 396-3X (3X)	36.8	36	39	16.3	15.4	16.9	7.1	7.0	7.0	57	57	56
Pioneer 3785 (2X)	36.9	—	—	13.7	—	—	6.0	—	—	56	—	—
Blaney B401 (2X)	37.0	—	—	16.2	—	—	6.8	—	—	58	—	—
Pride R252 (2X)	37.2	—	—	13.4	—	—	5.8	—	—	56	—	—
Garno S85 (2X)	37.4	35	—	13.6	12.4	—	6.3	6.2	—	59	58	—
Trojan TX100 (3X)	37.5	39	40	14.4	14.7	15.9	6.1	6.6	6.5	60	58	57
Funk Exp. 26190 (3X)	37.6	—	—	16.9	—	—	7.3	—	—	58	—	—
Funk G4252 (3X)	37.9	37	38	17.1	14.5	14.1	6.5	6.2	5.8	53	55	55
Golden Harvest H-2355 (2X)	38.1	—	—	15.9	—	—	6.8	—	—	56	—	—
Pioneer 3784 (2X)	38.3	38	41	12.5	13.2	15.0	5.8	6.3	6.5	58	58	57
Asgrow RX53 (2X)	38.4	38	40	16.5	15.6	16.5	6.8	6.9	6.8	57	58	57
Michigan 407-2X (2X)	38.9	38	40	17.5	16.1	17.4	7.5	7.4	7.2	59	59	58
Funk G4343 (2X)	39.2	39	—	16.6	14.6	—	7.6	7.1	—	54	54	—
Migro M-1020 (Sp.)	39.3	—	—	14.3	—	—	6.3	—	—	64	—	—
Michigan 410-2X (2X)	39.3	38	40	18.9	17.4	18.1	7.7	7.4	7.2	57	56	56
Northrup King PX32 (2X)	39.5	—	—	19.1	—	—	7.6	—	—	58	—	—
Jacques JX122A (2X)	39.5	39	—	19.6	17.9	—	7.8	7.6	—	57	59	—
Wolverine W166 (2X)	39.6	—	—	15.0	—	—	6.5	—	—	57	—	—
Acco UC 2901 (2X)	39.6	39	—	14.2	15.3	—	6.1	6.8	—	56	55	—
Golden Harvest H-2385 (3X)	39.6	—	—	15.4	—	—	6.7	—	—	59	—	—
Golden Harvest H-2450 (2X)	39.6	—	—	17.1	—	—	7.3	—	—	57	—	—
Migro M-1101 (2X)	39.6	39	41	17.8	15.6	17.0	7.1	6.7	6.8	58	57	55
Michigan 572-3X (3X)	39.7	39	42	17.8	17.3	18.8	7.2	7.4	7.4	57	55	55
Funk G4288 (3X)	39.7	39	—	17.9	15.8	—	7.2	6.9	—	58	59	—
Funk G4366 (3X)	39.9	40	—	18.4	16.8	—	7.3	7.1	—	51	51	—
Blaney B605WX (2X) WX	40.1	—	—	17.5	—	—	6.8	—	—	54	—	—
Michigan 500-2X (2X)	40.1	40	42	16.6	15.9	17.0	6.7	6.8	6.7	58	58	58
Lowe LSX100 (2X)	40.2	—	—	12.6	—	—	5.1	—	—	58	—	—
Trojan TXS102A (2X)	40.2	—	—	17.6	—	—	7.2	—	—	53	—	—
Acco UC3201 (2X)	40.3	40	—	16.1	14.9	—	6.7	6.5	—	53	54	—
Super Crost S27 (2X)	40.5	40	42	17.1	14.8	16.8	7.0	6.6	6.8	59	58	57
O's Gold SX-1100 (2X)	40.6	—	—	15.2	—	—	6.6	—	—	59	—	—
Blaney B606 (2X)	40.7	—	—	17.2	—	—	6.3	—	—	53	—	—
Super Crost S25 (2X)	40.8	42	45	17.1	17.3	19.7	6.7	7.1	7.2	51	52	50
Funk G4404 (2X)	41.0	40	—	18.6	17.1	—	7.3	7.3	—	51	53	—
Super Crost 1901 (2X)	41.0	—	—	19.8	—	—	7.8	—	—	53	—	—
Pioneer 3797 (3X)	41.1	—	—	15.2	—	—	6.3	—	—	58	—	—
Northrup King PX529 (3X)	41.2	—	—	15.7	—	—	6.1	—	—	58	—	—
Blaney B501A (2X)	41.4	—	—	19.8	—	—	7.6	—	—	55	—	—
Michigan 575-2X (2X)	41.6	—	—	18.0	—	—	7.0	—	—	56	—	—
P.A.G. SX67 (2X)	41.7	38	—	16.8	15.8	—	6.9	7.1	—	57	57	—
Migro M-1130 (2X)	42.0	40	—	18.4	16.8	—	7.6	7.2	—	55	54	—
DeKalb XL44 (2X)	42.0	—	—	16.8	—	—	6.6	—	—	57	—	—
Funk G4444 (2X)	42.1	41	43	17.7	17.2	18.5	6.8	7.4	7.3	57	54	53
DeKalb XL22 (2X)	42.2	41	43	18.6	17.3	18.0	7.3	7.3	7.2	54	56	55
Cargill 434 (3X)	42.2	—	—	18.6	—	—	6.8	—	—	56	—	—
Pioneer 3780 (2X)	42.3	42	44	17.8	16.3	17.1	7.3	7.0	6.9	56	55	53
Garno S92 (2X)	42.3	40	—	19.7	18.2	—	7.7	7.6	—	55	54	—
Gutwein 27 (2X)	42.3	44	—	16.1	17.3	—	6.1	6.7	—	56	53	—
Pride 4404 (2X)	42.4	—	—	15.4	—	—	6.4	—	—	51	—	—
Cargill 875 (2X)	42.4	—	—	16.8	—	—	6.5	—	—	55	—	—
O's Gold SX-2145 (2X)	42.4	—	—	15.8	—	—	6.3	—	—	58	—	—
Northrup King PX48 (2X)	42.5	—	—	16.8	—	—	7.0	—	—	55	—	—
Northrup King PX50A (2X)	42.6	42	—	16.4	16.9	—	6.8	7.3	—	58	56	—
Asgrow RX58 (2X)	42.7	—	—	17.3	—	—	7.1	—	—	57	—	—
Blaney 6616 (3X)	42.7	—	—	17.9	—	—	7.2	—	—	54	—	—
Payco SX775N (2X)	42.9	—	—	16.8	—	—	6.0	—	—	54	—	—
Gutwein 10A (2X)	43.0	41	—	16.0	15.6	—	6.5	6.9	—	54	53	—
Funk G4321 (2X)	43.1	42	—	17.1	17.0	—	6.3	6.9	—	57	56	—
P.A.G. SX237 (2X)	43.1	—	—	14.1	—	—	5.5	—	—	48	—	—
Acco UC3301 (2X)	43.3	—	—	17.6	—	—	7.0	—	—	56	—	—
P.A.G. SX69 (2X)	43.4	43	—	17.0	15.2	—	6.9	6.3	—	51	52	—
Cardinal SX105 (2X)	43.6	—	—	19.5	—	—	7.3	—	—	57	—	—
Garno WX-91 (2X) WX	43.6	—	—	18.7	—	—	6.9	—	—	55	—	—
Pioneer 3518 (Sp.)	45.1	—	—	17.7	—	—	6.8	—	—	56	—	—
Migro M-1212 (2X)	45.1	43	—	19.0	18.2	—	7.2	6.3	—	50	53	—
Gutwein 128 (Sp.)	45.3	42	—	18.8	18.1	—	7.4	7.7	—	50	49	—
DeKalb XL43A (2X)	45.3	—	—	17.5	—	—	6.7	—	—	52	—	—
Golden Harvest H-2420 (2X)	45.8	—	—	18.9	—	—	7.6	—	—	50	—	—
Wolverine W174 (2X)	47.5	—	—	17.2	—	—	6.3	—	—	52	—	—

(Continued)

TABLE 14. (Continued)

Hybrid (Brand — Variety)	% Moisture in ears 1974	2 Yrs	3 Yrs	Tons per acre Green weight 1974	2 Yrs	3 Yrs	Tons per acre Dry weight 1974	2 Yrs	3 Yrs	% Ears in dry weight 1974	2 Yrs	3 Yrs
Migro M-1010A (2X)	49.4	—	—	15.7	—	—	5.6	—	—	48	—	—
Gutwein 48 (2X)	49.4	48	—	21.5	19.4	—	7.9	7.5	—	46	47	—
Super Crost 2890 (2X)	49.9	—	—	21.0	—	—	7.5	—	—	54	—	—
Trojan TXS108A (2X)	51.3	50	—	20.3	19.3	—	7.1	7.2	—	47	49	—
Golden Harvest H-2500 (2X)	53.6	—	—	21.0	—	—	7.2	—	—	45	—	—
Average	39.7	39	40	15.8	15.5	16.2	6.6	6.8	6.7	56	55	56
Range	31.5 to 53.6	31 to 50	34 to 45	7.8 to 21.5	11.7 to 19.4	12.0 to 19.7	4.5 to 7.9	6.0 to 7.7	5.8 to 7.4	45 to 64	47 to 62	50 to 60
Least significant difference	1.5	0.8	0.6	1.3	0.8	0.5	0.5	0.4	0.3	3	2	2

	1974	1973	1972
Planted	April 25	May 16	April 29
Harvested	September 17	September 11	September 12
Soil type	Brookston clay loam	Brookston clay loam	Brookston clay loam
Previous crop	Corn	Corn	Corn
Population	19,400	19,900	19,000
Rows	30"	30"	30"
Fertilizer	157-82-192	198-115-120	165-80-0
Soil test: pH	7.3	7.0	7.2
P	37 (high)	74 (very high)	53 (very high)
K	215 (high)	472 (very high)	255 (high)

Farm Cooperator: William McCrea, Bad Axe

County Extension Directors: Tony Rapes (1974), Lee Warshefsky (1973, 1972), Bad Axe

Table 15. **NORTH CENTRAL MICHIGAN** Zone 3
MONTCALM COUNTY — IRRIGATED vs. NOT IRRIGATED
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs	3 Yrs	Bushels per acre 1974 Irrig	1974 Not Irrig	2 Years Irrig	2 Years Not Irrig	3 Years Irrig	3 Years Not Irrig	% Stalk lodging 1974 Irrig	1974 Not Irrig	2 Years Irrig	2 Years Not Irrig	3 Years Irrig	3 Years Not Irrig
Pioneer 3965 (3X)	27.4	—	—	105.0	101.5	—	—	—	—	0.0	0.0	—	—	—	—
Super Crost 1610 (2X)	27.5	—	—	108.2	104.3	—	—	—	—	0.0	1.6	—	—	—	—
Michigan 2833 (3X)	27.5	24	—	111.9	103.8	113	103	—	—	0.9	0.0	3	4	—	—
Wolverine W128 (2X)	27.7	26	—	104.8	99.3	105	93	—	—	5.1	4.2	3	4	—	—
Michigan 2853 (3X)[1]	27.9	—	—	122.7	108.2	—	—	—	—	1.3	1.4	—	—	—	—
Blaney B100 (2X)	28.1	—	—	95.3	83.0	—	—	—	—	1.7	0.8	—	—	—	—
Michigan 275-2X (2X)	28.1	24	25	110.2	106.2	107	101	113	101	0.9	0.0	3	4	7	3
Michigan 280 (4X)	28.2	24	25	115.9	107.7	108	100	117	108	2.0	4.3	3	4	6	7
Super Crost 1103 (2X)	28.6	—	—	65.3	57.8	—	—	—	—	5.1	5.6	—	—	—	—
Northrup King PX20 (2X)	29.1	—	—	108.3	100.7	—	—	—	—	0.0	0.0	—	—	—	—
Michigan 333-3X (3X)[1, 2]	29.7	26	27	123.5	115.4	120	106	129	—	0.9	0.0	3	1	—	—
DeKalb XL311 (3X)	29.8	26	—	101.5	86.5	102	87	—	—	0.0	0.0	2	2	—	—
Migro M-0101 (2X)	29.8	—	—	110.8	98.1	—	—	—	—	0.0	1.6	—	—	—	—
Blaney B302 (2X)	30.2	—	—	120.5	111.0	—	—	—	—	0.0	3.2	—	—	—	—
Asgrow RX42 (2X)	31.0	27	—	118.9	105.6	118	106	—	—	0.0	0.0	1	1	—	—
Super Crost 1692 (2X)[2]	31.2	27	—	119.2	111.9	113	101	—	—	0.0	1.7	2	2	—	—
Asgrow RX53 (2X)[1, 2]	31.8	29	—	122.8	114.4	127	117	—	—	0.0	0.0	0	2	—	—
Cardinal SX100 (2X)	31.8	—	—	96.8	89.4	—	—	—	—	1.6	0.8	—	—	—	—
Pioneer 3958 (2X)	32.6	29	—	111.1	98.3	104	95	—	—	0.0	0.0	1	1	—	—
Wolverine W127 (2X)	32.9	—	—	111.9	108.4	—	—	—	—	0.0	0.0	—	—	—	—
Michigan 3102 (2X)[1, 2]	32.9	—	—	125.1	116.0	—	—	—	—	0.0	0.0	—	—	—	—
Funk Exp. 26190 (3X)[1, 2]	33.6	—	—	130.8	116.2	—	—	—	—	0.0	0.0	—	—	—	—
Blaney 7305 (2X)	34.0	—	—	106.7	103.8	—	—	—	—	0.0	0.8	—	—	—	—
Migro M-1020 (Sp.)	34.1	—	—	115.7	103.1	—	—	—	—	0.0	1.6	—	—	—	—
Acco UC2301 (2X)	34.1	30	30	118.2	104.7	120	106	134	119	0.0	0.0	3	1	7	2
Wolverine 46A (4X)	34.2	—	—	92.7	87.5	—	—	—	—	0.0	0.0	—	—	—	—
Acco UC1901 (2X)	34.3	29	—	103.4	88.1	107	96	—	—	0.8	0.8	3	3	—	—
Michigan 396-3X (3X)[1, 2]	34.4	29	29	126.9	115.2	128	113	136	124	0.0	0.0	2	1	3	2
Northrup King PX32 (2X)	34.4	—	—	118.7	106.5	—	—	—	—	0.0	0.8	—	—	—	—
Michigan 407-2X (2X)[1, 2]	34.5	30	30	133.6	121.9	134	120	157	136	0.0	2.0	3	3	4	3
Cowbell SX4095 (2X)	34.6	—	—	80.7	69.8	—	—	—	—	0.0	3.5	—	—	—	—
Northrup King PX25 (2X)	34.6	—	—	109.5	97.7	—	—	—	—	0.0	0.8	—	—	—	—
Funk G4195 (3X)	34.7	28	—	111.7	106.8	106	96	—	—	0.0	0.0	2	4	—	—
Pioneer 3797 (3X)	34.7	—	—	90.6	77.4	—	—	—	—	0.0	1.7	—	—	—	—
Funk G4252 (3X)	34.8	30	30	121.0	102.4	104	94	121	106	0.0	0.0	2	2	5	2
Cardinal SX105 (2X)	35.2	—	—	121.9	106.5	—	—	—	—	2.4	0.0	—	—	—	—
Migro M-1101 (2X)	35.3	30	30	94.1	87.2	115	100	127	113	0.0	0.8	2	1	2	1
Wolverine 59 (4X)	36.1	—	—	90.4	86.8	—	—	—	—	0.0	0.0	—	—	—	—
DeKalb XL15A (2X)	36.2	31	30	103.4	100.1	103	97	114	106	0.9	0.0	2	1	8	5
DeKalb XL12 (2X)	36.3	30	—	115.9	104.3	110	99	—	—	0.0	0.0	2	1	—	—
Michigan 410-2X (2X)[1, 2]	36.3	30	30	133.1	114.0	133	112	140	123	0.0	1.7	2	4	4	4
Funk G4343 (2X)	36.3	31	31	101.5	83.2	107	94	130	110	0.0	0.8	1	1	3	1
Cowbell SX7300 (2X)	36.4	32	—	101.4	90.3	108	94	—	—	0.0	0.8	3	2	—	—
Pride R290 (2X)[1, 2]	36.8	31	31	133.5	115.1	121	104	140	124	0.0	1.5	3	2	5	4
Pioneer 3785 (2X)	37.1	—	—	112.9	102.0	—	—	—	—	0.0	0.0	—	—	—	—

(Continued)

TABLE 15. (Continued)

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974 Irrig	Bushels per acre 1974 Not Irrig	Bushels per acre 2 Years Irrig	Bushels per acre 2 Years Not Irrig	Bushels per acre 3 Years Irrig	Bushels per acre 3 Years Not Irrig	% Stalk lodging 1974 Irrig	% Stalk lodging 1974 Not Irrig	% Stalk lodging 2 Years Irrig	% Stalk lodging 2 Years Not Irrig	% Stalk lodging 3 Years Irrig	% Stalk lodging 3 Years Not Irrig
Acco DC231 (4X)	37.1	31	—	92.1	88.5	90	88	—	—	0.0	1.6	4	3	—	—
Super Crost S25 (2X)	37.2	31	33	113.4	106.3	116	104	139	120	0.0	0.0	0	0	3	3
Blaney BX-AA (2X)	37.5	32	32	111.2	100.2	118	108	138	123	0.0	0.0	1	1	2	3
Super Crost S27 (2X)	37.6	33	33	105.5	85.2	120	102	138	121	0.0	0.0	3	2	4	2
Funk G4288 (3X)	37.7	32	—	115.7	109.4	123	110	—	—	0.0	0.0	3	0	—	—
Cowbell SX7440 (2X)[1, 2]	37.7	—	—	129.3	117.6	—	—	—	—	1.6	1.5	—	—	—	—
Funk G4444 (2X)[1, 2]	37.7	33	33	129.1	120.7	132	119	157	134	0.0	1.5	2	2	4	3
Funk G4321 (2X)[1, 2]	37.7	33	—	132.2	114.6	128	114	—	—	0.0	0.0	3	1	—	—
DeKalb XL21 (2X)	37.7	33	—	105.4	98.7	111	103	—	—	0.0	2.8	2	4	—	—
Cowbell SX4100 (2X)	37.8	—	—	111.7	100.2	—	—	—	—	0.0	0.0	—	—	—	—
Asgrow RX64 (2X)[2]	37.8	—	—	118.6	113.5	—	—	—	—	0.0	0.0	—	—	—	—
Funk G4404 (2X)[1, 2]	37.8	33	—	125.5	117.7	132	—	—	—	0.0	0.8	2	—	—	—
Pioneer 3780 (2X)	37.9	33	32	117.5	109.6	122	110	142	126	0.0	0.0	2	2	6	2
Super Crost 1901 (2X)[1, 2]	38.0	—	—	133.7	120.0	—	—	—	—	0.0	0.0	—	—	—	—
Michigan 572-3X (3X)[2]	38.2	33	32	122.0	115.4	128	116	147	130	0.0	0.0	1	2	4	3
Pioneer 3773 (2X)	38.5	33	—	103.6	99.3	115	103	—	—	2.5	1.6	2	2	—	—
P.A.G. SX69 (2X)	38.6	33	34	107.0	102.6	121	110	148	127	0.0	0.9	1	3	2	2
Acco UC3301 (2X)	38.8	34	33	120.4	105.9	129	112	147	125	0.9	0.0	4	5	4	4
Migro M-1212 (2X)	38.8	33	—	110.2	105.2	118	112	—	—	1.7	0.8	2	0	—	—
Michigan 500-2X (2X)	38.8	33	33	110.5	101.4	120	105	139	123	0.0	0.0	2	1	3	1
Northrup King PX48 (2X)	38.9	—	—	110.0	103.5	—	—	—	—	0.0	0.0	—	—	—	—
Acco UC3201 (2X)	39.1	34	34	95.7	93.1	117	105	135	118	1.7	0.8	2	1	2	2
Funk G4366 (3X)	39.1	33	—	105.3	97.5	120	109	—	—	0.0	0.0	2	1	—	—
Migro M-1130 (2X)[1]	39.2	34	—	126.7	107.4	127	111	—	—	0.0	0.0	1	1	—	—
Michigan 575-2X (2X)[1, 2]	39.3	—	—	129.5	116.8	—	—	—	—	0.0	0.0	—	—	—	—
Funk G-L2384 (Sp.) HL	39.4	38.5	—	114.3	111.0	—	—	—	—	0.0	0.0	—	—	—	—
Northrup King PX529 (3X)	39.4	—	—	106.7	109.3	—	—	—	—	0.0	0.8	—	—	—	—
Blaney B606 (2X)	39.4	—	—	110.1	101.8	—	—	—	—	0.0	0.0	—	—	—	—
Migro M-1010A (2X)	39.7	—	—	96.6	93.0	—	—	—	—	0.0	0.0	—	—	—	—
Funk GWX302 (Sp.) WX	39.8	—	—	113.1	107.4	—	—	—	—	1.6	0.0	—	—	—	—
Cowbell SX7480 (2X)[2]	40.4	—	—	117.0	113.8	—	—	—	—	0.9	0.0	—	—	—	—
Average	35.0	30	31	112.1	102.7	116	104	136	120	0.4	0.7	2	2	4	3
Range	27.4 to 40.4	24 to 34	25 to 34	65.3 to 133.7	57.8 to 121.9	90 to 134	87 to 120	113 to 156	100 to 136	0.0 to 5.1	0.0 to 5.6	0 to 4	0 to 5	2 to 8	1 to 7
Least significant difference	1.7	0.8	0.6	10.9	9.6	7	6	5	5						

[1]Significantly better than average yield, irrigated 1974.
[2]Significantly better than average yield, not irrigated 1974.

	1974	1973	1972
Planted	May 4	May 8	May 5
Harvested	Oct. 26	Oct. 17	Oct. 25
Soil type	Montcalm sandy loam	Montcalm sandy loam	Montcalm sandy loam
Previous crop	Sorghum-sudan seeded to rye in fall	Sorghum-sudan seeded to rye in fall	Sorghum-sudan seeded to rye in fall
Population	20,500	18,700	20,100
Rows	30″	30″	30″
Fertilizer	150-120-170	277-130-130	258-145-145
Soil test: pH	6.1	5.6	5.5
P	340 (very high)	297 (very high)	420 (very high)
K	198 (high)	175 (medium)	178 (medium)
Irrigation:	8 inches	5 inches	6 inches

Farm Cooperator: Theron Comden, Lakeview

County Extension Director: James Crosby, Stanton

Table 16. **NORTH CENTRAL MICHIGAN** Zone 3
OCEANA AND MASON COUNTY TRIALS
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Funk G5048 (4X)	24.9	22	—	86.2	95	—	0.8	3	—
Super Crost 1103 (2X)	24.9	—	—	80.0	—	—	0.8	—	—
Michigan 200 (4X)	24.9	22	22	82.6	88	85	0.9	3	3
Funk Exp. 26438 (2X)	25.6	—	—	85.8	—	—	1.6	—	—
Blaney B100 (2X)	25.7	—	—	88.8	—	—	0.0	—	—
Michigan 2853 (3X)	25.8	—	—	99.7	—	—	3.1	—	—
Michigan 280 (4X)	25.8	23	24	95.1	100	103	5.5	6	6
Funk G4082 (3X)	25.9	22	—	87.8	88	—	10.7	13	—
Michigan 275-2X (2X)	25.9	23	24	92.3	98	96	0.0	5	4
*Michigan 2833 (3X)	26.0	23	—	105.8	110	—	0.0	2	—
Pioneer 3965 (3X)	26.2	—	—	93.6	—	—	0.0	—	—
Funk G5150 (4X)	26.3	23	24	88.7	86	81	6.1	7	7
Super Crost 1610 (2X)	26.5	—	—	87.6	—	—	0.0	—	—
Jacques JX 62 (2X)	26.9	24	—	94.0	99	—	0.0	2	—
*Blaney B 302 (2X)	27.4	—	—	102.4	—	—	0.0	—	—
*Michigan 3102 (2X)	27.7	—	—	109.4	—	—	0.0	—	—
*Teweles 1500 (2X)	27.9	—	—	104.5	—	—	0.0	—	—
Northrup King PX 20 (2X)	28.0	—	—	92.0	—	—	1.6	—	—
*Michigan 333-3X (3X)	28.1	24	25	103.5	108	110	0.9	3	2
Northrup King PX 446 (3X)	29.0	25	—	83.4	84	—	0.0	2	—
*Funk G4195 (3X)	29.0	24	—	101.6	106	—	0.0	3	—
Super Crost 1692 (2X)	29.6	—	—	100.8	—	—	0.8	—	—
DeKalb XL 12 (2X)	29.7	—	—	97.9	—	—	1.6	—	—
*Blaney B 401 (2X)	30.2	—	—	107.4	—	—	0.0	—	—
Migro M-0101 (2X)	30.2	—	—	98.6	—	—	1.5	—	—
*Trojan TXS 99 (2X)	30.6	26	—	108.3	110	—	0.8	2	—
Pioneer 3956A (2X)	30.6	26	—	93.4	98	—	3.2	5	—
Blaney 7305 (2X)	30.7	—	—	97.3	—	—	0.0	—	—
Funk G 4252 (3X)	30.7	—	—	98.9	—	—	1.5	—	—
*Michigan 396-3X (3X)	30.8	27	27	106.9	114	116	0.8	3	3
Stewart 2-3102 (2X)	31.5	—	—	93.0	—	—	0.8	—	—
Northrup King PX 25 (2X)	31.8	—	—	76.0	—	—	0.0	—	—
Migro M-1010 (Sp)	32.0	—	—	79.0	—	—	0.8	—	—
Pride 2264 (2X)	32.9	—	—	86.7	—	—	0.0	—	—
Blaney B 501A (2X)	33.5	29	—	98.1	101	—	0.0	3	—
Teweles 6100 A (3X)	34.4	—	—	86.8	—	—	0.0	—	—
Funk G4288 (3X)	34.7	—	—	99.4	—	—	0.0	—	—
Northrup King PX 476 (3X)	34.8	28	—	84.3	98	—	0.0	1	—
Funk G4343 (2X)	35.1	29	—	100.9	108	—	0.0	5	—
Michigan 407-2X (2X)	35.1	—	—	100.6	—	—	0.8	—	—
*Michigan 410-2X (2X)	35.5	29	29	109.7	117	116	0.0	2	3
*Migro M-1212 (2X)	35.9	30	—	103.6	113	—	0.0	3	—
Migro M-1101 (2X)	36.3	29	30	93.1	104	100	0.8	2	2
Funk Exp. 26190 (3X)	36.4	—	—	90.8	—	—	1.5	—	—
Blaney B-AA (2X)	36.4	32	—	99.0	107	—	0.8	5	—
Northrup King PX 32 (2X)	36.5	—	—	98.2	—	—	1.2	—	—
Cowbell SX 4095 (2X)	36.6	—	—	84.4	—	—	1.8	—	—
*Cowbell SX 7440 (2X)	37.8	—	—	107.9	—	—	0.0	—	—
Michigan 572-3X (3X)	38.0	—	—	99.7	—	—	0.0	—	—
Northrup King PX 529 (3X)	38.1	—	—	84.6	—	—	0.7	—	—
Super Crost S27 (2X)	38.4	—	—	87.0	—	—	0.0	—	—
Pioneer 3780 (2X)	38.9	31	32	87.3	106	110	0.0	1	1
*Northrup King PX 48 (2X)	39.3	—	—	106.1	—	—	0.0	—	—
Super Crost S25 (2X)	39.5	—	—	78.0	—	—	1.6	—	—
*Funk G444 (2X)	39.5	33	33	101.7	116	113	0.0	1	1
Super Crost 1901 (2X)	39.6	—	—	95.5	—	—	0.0	—	—
Teweles 2800 (2X)	39.9	—	—	97.9	—	—	0.0	—	—
Cowbell SX 4100 (2X)	40.1	—	—	76.6	—	—	1.6	—	—
Cowbell SX 7300 (2X)	40.7	33	—	84.4	102	—	0.9	4	—
Teweles 2400 (2X)	41.4	—	—	91.8	—	—	1.2	—	—
Migro M-1010A (2X)	41.6	—	—	74.9	—	—	0.0	—	—
Migro M-1130 (2X)	42.6	34	—	69.1	97	—	0.0	3	—
Teweles 3500A (2X)	44.5	—	—	65.0	—	—	0.0	—	—
Average	32.7	27	27	93.0	102	103	0.9	4	3
Range	24.9 to 44.5	22 to 34	22 to 33	65.0 to 109.7	84 to 117	81 to 116	0.0 to 10.7	1 to 13	1 to 7
Least significant difference	1.4	0.8	0.6	8.5	7	5			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 31	May 18	May 10
Harvested	Oct. 31	Oct. 29	Nov. 3
Soil type	Nester loam—Montcalm sandy loam	Nester loam—Montcalm sandy loam	Nester loam
Previous crop	Alfalfa	Corn	Corn
Population	20,400	20,600	19,400
Rows	30"	30"	30"
Fertilizer	113-60-98	105-60-75, manure	116-72-20
Soil test: pH	6.4	6.8	6.0
P	47 (very high)	65 (very high)	69 (very high)
K	145 (medium)	167 (medium)	286 (high)

Farm Cooperator: Richard Kessler, Montague (1974, 1973); Bob and Tom Campell, Scottville (1972)

County Extension Directors: Ed Strong, Hart (1974, 1973); Dean Raven, Scottville (1972)

Table 17. **NORTHERN MICHIGAN** Zone 4
GRAND TRAVERSE COUNTY TRIAL
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture 1974	% Moisture 2 Yrs	% Moisture 3 Yrs	Bushels per acre 1974	Bushels per acre 2 Yrs	Bushels per acre 3 Yrs	% Stalk lodging 1974	% Stalk lodging 2 Yrs	% Stalk lodging 3 Yrs
Stewart 2501 (2X)	26.1	23	—	80.9	83	—	0.8	12	—
Trojan TX 70 (3X)	27.1	—	—	58.7	—	—	13.4	—	—
Stewart 3505 (3X)	27.2	—	—	80.5	—	—	4.7	—	—
Jacques JX733 (3X)	27.9	24	—	54.4	64	—	6.5	26	—
DeKalb 007 (4X)	28.4	25	25	71.9	71	82	3.1	24	18
DeKalb 22 (4X)	28.6	26	27	82.2	75	77	1.6	27	18
Trojan TX 85 (3X)	28.6	25	—	89.6	98	—	3.2	10	—
Funk Exp. 26438 (2X)	28.7	—	—	69.6	—	—	0.8	—	—
Funk G 4082 (3X)	28.8	25	—	74.1	77	—	2.4	25	—
Michigan 200 (4X)	28.8	25	25	80.8	87	95	1.5	5	4
*Wolverine 24 (4X)	30.3	—	—	90.5	—	—	0.8	—	—
Funk G 5048 (2X)	30.5	26	—	86.8	91	—	1.5	12	—
Renk RK 2 (2X)	31.4	—	—	65.3	—	—	0.8	—	—
*Pioneer 3977	31.8	—	—	91.1	—	—	0.0	—	—
Cardinal SX 95 (2X)	32.0	—	—	83.7	—	—	0.9	—	—
Stewart 38 (3X)	32.0	—	—	74.7	—	—	3.8	—	—
*Pioneer 3976 (2X)	32.3	—	—	100.3	—	—	1.0	—	—
*Pioneer 3965 (3X)	32.8	27	—	103.4	107	—	0.0	8	—
Funk G 5150 (4X)	33.2	28	28	78.9	85	95	1.6	18	13
*Michigan 280 (4X)	33.5	28	28	98.4	100	106	1.6	9	8
*Michigan 275-2X (2X)	33.5	28	27	105.7	109	111	2.4	10	8
Wolverine W 120 (2X)	33.5	—	—	78.1	—	—	0.0	—	—
Jacques JX 62 (2X)	33.6	29	—	89.8	92	—	0.7	8	—
*Michigan 2853 (3X)	33.6	—	—	98.5	—	—	3.8	—	—
Trojan TXS85 (2X)	33.7	27	28	77.0	86	91	1.5	7	5
*DeKalb XL 304 (3X)	33.7	29	29	95.2	92	102	4.4	12	9
*Michigan 2833 (3X)	33.7	28	—	99.8	103	—	0.0	7	—
Jacques JX 30 (2X)	33.8	—	—	67.6	—	—	0.0	—	—
Cardinal SX 90 (2X)	34.1	—	—	69.3	—	—	0.7	—	—
Pride 1124 (2X)	34.8	—	—	74.5	—	—	0.0	—	—
*Funk G 4195 (3X)	35.2	29	—	97.7	89	—	0.8	13	—
*Garno S85X (2X)	35.5	—	—	94.8	—	—	3.1	—	—
Pride R 173 (3X)	36.4	30	—	64.1	83	—	1.5	8	—
Michigan 333-3X (3X)	36.9	31	30	89.5	103	108	4.2	6	4
Michigan 396-3X (3X)	38.2	32	32	85.3	101	107	0.8	7	5
Garno S 85 (2X)	38.5	30	31	64.6	81	93	1.6	12	8
Garno S80X (2X)	38.6	29	29	70.8	77	88	0.8	14	9
Average	32.4	27	28	82.1	89	96	2.1	13	9
Range	26.1 to 38.6	23 to 32	25 to 32	54.4 to 105.7	64 to 109	77 to 111	0.0 to 13.4	5 to 27	4 to 18
Least significant difference	1.5	0.8	0.6	8.3	6	4			

*Significantly better than average yield in 1974.

	1974	1973	1972
Planted	May 21	May 21	May 18
Harvested	Oct. 29	Oct. 25	Nov. 8
Soil type	Coventry Newaygo loam	Coventry Newaygo loam	Coventry Newaygo loam
Previous crop	Corn	Corn	Corn
Population	19,300	19,400	19,000
Rows	38"	38"	30"
Fertilizer	16-72-20, manure	120-65-19, manure	36-96-0, manure
Soil test: pH	6.7	7.0	6.8
P	395 (very high)	259 (very high)	249 (very high)
K	348 (very high)	312 (very high)	449 (very high)

Farm Cooperator: George Svec, Buckley

County Extension Director: George McManus, Traverse City

Table 18. **NORTHERN MICHIGAN** Zone 4
MISSAUKEE COUNTY TRIAL — SILAGE
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture in ears 1974	2 Yrs	3 Yrs	Tons per acre: Green weight 1974	2 Yrs	3 Yrs	Dry weight 1974	2 Yrs	3 Yrs	% Ears in dry weight 1974	2 Yrs	3 Yrs
Stewart 2501 (2X)	42.7	—	—	12.4	—	—	5.3	—	—	61	—	—
Funk G5150 (4X)	45.2	43	44	12.9	13.9	14.6	5.2	5.6	5.5	53	55	57
Funk G4082 (3X)	45.4	42	46	11.1	12.5	14.7	4.6	5.3	5.4	56	58	56
Michigan 200 (4X)	45.7	42	42	12.8	14.5	16.0	4.5	5.7	5.9	56	57	57
Teweles 5900 (3X)	47.0	—	—	15.0	—	—	5.1	—	—	53	—	—
Stewart 38 (3X)	47.0	—	—	14.9	—	—	5.2	—	—	57	—	—
Pioneer 3965 (3X)	47.8	44	—	15.6	16.3	—	5.3	6.0	—	56	56	—
Michigan 275-2X (2X)	47.9	44	44	14.9	16.1	17.3	5.7	6.5	6.4	56	55	55
Jacques JX 863 (3X)	48.5	44	44	12.0	13.7	15.6	4.4	5.3	5.6	54	55	56
Michigan 2833 (3X)	48.6	45	—	17.9	17.9	—	5.9	6.9	—	54	54	—
Michigan 2853 (3X)	48.6	—	—	17.7	—	—	5.7	—	—	53	—	—
Pioneer 3977	49.5	—	—	13.5	—	—	4.9	—	—	55	—	—
Funk G5048 (4X)	49.8	45	—	14.4	14.7	—	4.9	5.6	—	53	54	—
Teweles 202 (4X)	50.0	—	—	12.9	—	—	4.7	—	—	52	—	—
Michigan 280 (4X)	50.0	46	47	18.5	18.1	19.8	6.3	7.0	7.0	52	52	52
Pioneer 3976 (2X)	50.3	—	—	14.3	—	—	5.2	—	—	53	—	—
Jacques JX62 (2X)	50.3	—	—	16.4	—	—	5.7	—	—	51	—	—
Funk Exp. 26438 (2X)	50.4	—	—	13.3	—	—	4.6	—	—	52	—	—
Pride R173 (3X)	50.8	47	—	15.6	16.2	—	4.9	5.7	—	54	55	—
Teweles 232 (2X)	50.9	—	—	14.1	—	—	4.8	—	—	53	—	—
Funk G4195 (3X)	51.7	48	—	15.1	16.8	—	4.8	6.1	—	46	46	—
Northrup King PX442 (3X)	52.1	48	50	13.0	13.7	16.0	4.3	5.0	—	49	52	50
Pioneer 3958 (2X)	53.3	—	—	14.9	—	—	5.3	—	—	53	—	—
Jacques 951 (4X)	54.3	—	—	16.0	—	—	5.2	—	—	50	—	—
Pioneer 3956A (2X)	54.4	—	—	13.7	—	—	4.9	—	—	50	—	—
Pride R252 (2X)	54.8	51	—	15.2	15.9	—	4.9	5.5	—	43	42	—
Pioneer 3797 (3X)	57.8	—	—	16.0	—	—	4.8	—	—	43	—	—
Teweles 6100A (3X)	57.9	—	—	17.4	—	—	5.3	—	—	46	—	—
Michigan 333-3X (3X)	58.0	51	51	17.0	18.8	20.2	5.4	6.8	6.9	45	48	49
Michigan 396-3X (3X)	61.2	55	54	13.5	17.2	18.7	4.3	6.2	6.3	39	44	45
Average	50.8	46	46	14.7	15.6	16.7	5.1	5.9	5.9	52	52	53
Range	42.7 to 61.2	42 to 53	42 to 53	11.1 to 18.5	12.5 to 18.7	14.6 to 20.2	4.3 to 6.3	5.0 to 7.0	5.4 to 7.0	39 to 61	42 to 58	47 to 57
Least significant difference	2.0	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.3	3	3	2

	1974	1973	1972
Planted	May 10	May 17	May 19
Harvested	September 19	September 13	September 14
Soil type	Kent silt loam	Kent silt loam	Kent silt loam
Previous Crop	Corn	Grass sod	Corn
Population	20,700	19,800	18,600
Rows	30″	30″	28″
Fertilizer	159-54-169	168-32-166	224-96-96

Farm Cooperator: Robert DeBoer, M.S.U. Lake City Expermient Station, Lake City

County Extension Director: Vern VandePol, Lake City

Cooperator: L. V. Nelson, Crop and Soil Sciences Department, Michigan State Univ.

Table 19. **NORTHERN MICHIGAN** Zone 4
PRESQUE ISLE COUNTY TRIAL — GRAIN
One and Two Year Averages — 1974, 1973
No grain yields taken in 1972

Hybrid (Brand — Variety)	% Moisture 1974	2 Yrs.	Bushels per acre 1974	2 Yrs	% Stalk lodging 1974	2 Yrs.
DeKalb DK 22 (4X)	40.5	37	79.7	83	1.6	11
Trojan TX70 (3X)	41.2	—	73.4	—	0.7	—
Funk G 4082 (3X)	44.5	38	92.9	96	1.5	23
Michigan 200 (4X)	44.7	37	89.1	94	0.0	16
Warwick SL 209 (2X)	44.8	37	91.2	91	12.0	34
DeKalb 007 (4X)	45.0	37	84.8	85	2.2	30
Jacques 844 (4X)	45.3	—	79.6	—	5.3	—
*Funk G 5048 (4X)	45.4	39	100.3	96	0.0	9
*Stewart 3505 (3X)	45.5	—	97.3	—	2.2	—
*Michigan 280 (4X)	45.7	39	94.5	97	0.7	15
*Pioneer 3977	45.8	—	97.5	—	1.5	—
*Michigan 2853 (3X)	45.9	—	99.4	—	0.0	—
*Northrup King PX420 (3X)	46.4	—	94.9	—	0.0	—
*Michigan 2833 (3X)	46.5	40	97.4	103	0.0	9
Warwick TX22 (Sp.)	46.5	41	83.6	94	2.1	12
Funk G 5150 (4X)	46.5	41	85.0	84	0.8	16
Pioneer 3965 (3X)	47.0	41	85.9	97	0.0	8
P.A.G. SX 121 (2X)	47.3	—	84.9	—	0.0	—
DeKalb XL 311 (3X)	48.6	—	94.6	—	1.4	—
*DeKalb XL 304 (3X)	49.2	42	97.1	100	0.7	20
Michigan 275-2X (2X)	49.8	42	93.2	96	0.0	10
Pioneer 3976 (2X)	50.3	—	88.0	—	0.0	—
DeKalb 045 (4X)	50.3	—	85.1	—	0.0	—
Funk Exp. 26438 (2X)	50.5	—	86.2	—	0.7	—
Pride 137 (4X)	50.5	43	86.8	95	0.0	10
Garno S85X (2X)	50.6	—	82.7	—	0.0	—
Pride R144 (3X)	50.7	—	88.0	—	0.0	—
P.A.G. 7120	51.9	—	90.1	—	0.0	—
Northrup King PX20 (2X)	52.1	—	79.7	—	0.0	—
*Funk G 4195 (3X)	52.5	44	95.9	103	0.0	21
Pride R 123 (2X)	52.6	43	76.7	91	2.1	16
Jacques 951 (4X)	52.8	45	83.5	83	1.5	5
Northrup King PX 442 (3X)	52.8	42	76.2	85	1.4	14
Northrup King PX 25 (2X)	54.0	—	65.1	—	0.0	—
Michigan 333-3X (3X)	54.7	45	84.6	99	0.0	12
Northrup King PX446 (3X)	55.6	45	75.0	92	2.1	10
Michigan 396-3X (3X)	56.3	47	77.6	91	0.0	13
Average	48.7	41	87.0	93	1.1	15
Range	40.5 to 56.3	37 to 47	65.1 to 100.3	83 to 103	0.0 to 12.0	5 to 34
Least significant difference	1.9	1.2	7.3	7		

*Significantly better than average yield in 1974.

	1974	1973
Planted	May 22	May 17
Harvested	Oct. 17	Oct. 18
Soil type	Onaway loam	Mackinaw and Onaway clay loam
Previous crop	Corn	Corn
Population	21,000	20,500
Rows	28″	28″
Fertilizer	202-64-64, manure	24-96-96
Soil test: pH		7.3
P		90 (very high)
K		289 (high)

Farm Cooperators: Louis and Leroy Woloszyk, Posen

County Extension Director: Jay Poffenberger, Rogers City

Cooperator: L. V. Nelson, Crop and Soil Sciences Department, Michigan State University

Table 20. **NORTHERN MICHIGAN** Zone 4
PRESQUE ISLE AND ALPENA COUNTY TRIAL — SILAGE
One, Two, Three Year Averages — 1974, 1973, 1972

Hybrid (Brand — Variety)	% Moisture in ears			Tons per acre: Green weight			Tons per acre: Dry weight			% Ears in dry weight		
	1974	2 Yrs	3 Yrs	1974	2 Yrs	3 Yrs	1974	2 Yrs	3 Yrs	1974	2 Yrs	3 Yrs
DeKalb DK22 (4X)	49.6	47	50	21.9	18.2	18.2	6.0	5.3	5.2	46	47	48
Trojan TX70 (3X)	51.1	—	—	21.1	—	—	5.5	—	—	51	—	—
Stewart 3505 (3X)	54.4	—	—	24.2	—	—	5.8	—	—	44	—	—
Funk G5048 (4X)	55.1	52	—	24.5	20.7	—	5.9	5.4	—	47	46	—
Warwick SL209 (2X)	55.2	49	51	23.9	20.1	18.6	5.7	5.5	5.0	41	45	47
Funk G4082 (3X)	55.6	52	54	23.9	20.9	21.5	6.3	5.8	5.9	41	46	45
Pioneer 3977	55.6	—	—	25.5	—	—	6.6	—	—	46	—	—
Funk G5150 (4X)	56.4	54	56	22.6	18.8	19.5	5.6	4.9	5.0	45	43	43
Michigan 200 (4X)	56.6	51	54	25.5	21.0	21.5	5.9	5.7	5.7	45	44	46
DeKalb 007 (4X)	57.2	50	53	25.0	20.4	20.5	6.0	5.5	5.3	45	44	44
Pioneer 3965 (3X)	57.7	53	—	27.7	23.4	—	6.9	6.2	—	41	44	—
Northrup King PX420 (3X)	58.6	—	—	25.0	—	—	6.3	—	—	43	—	—
Warwick TX22 (Sp.)	58.7	53	55	25.3	21.7	22.9	6.2	5.8	5.7	38	40	44
Jacques 844 (4X)	58.9	—	—	24.4	—	—	6.2	—	—	41	—	—
Funk Exp. 26438 (2X)	59.5	—	—	27.2	—	—	6.6	—	—	41	—	—
Pioneer 3976 (2X)	59.8	—	—	25.0	—	—	6.2	—	—	42	—	—
Michigan 275-2X (2X)	59.9	55	57	24.9	21.5	21.9	6.2	5.8	5.8	45	46	45
DeKalb XL 304 (3X)	60.2	55	59	26.3	22.3	24.2	6.4	5.9	6.0	43	44	43
DeKalb XL311 (3X)	60.4	—	—	25.8	—	—	6.1	—	—	35	—	—
Michigan 2833 (3X)	60.6	55	—	27.4	23.5	—	6.4	6.3	—	40	44	—
P.A.G. 7120	60.8	—	—	26.6	—	—	6.5	—	—	41	—	—
Michigan 2853 (3X)	61.0	—	—	26.4	—	—	6.1	—	—	41	—	—
DeKalb 045 (4X)	61.5	—	—	24.4	—	—	6.1	—	—	38	—	—
P.A.G. SX121 (2X)	61.6	—	—	26.0	—	—	6.2	—	—	40	—	—
Michigan 280 (4X)	61.7	56	58	28.7	23.5	24.5	6.6	6.2	6.1	41	44	45
Pride R123 (2X)	62.5	57	—	24.1	21.5	—	4.7	5.3	—	45	42	—
Pride 137 (4X)	63.1	56	60	25.1	21.2	23.5	5.6	5.3	5.4	40	42	43
Jacques 951 (4X)	63.7	58	61	27.4	22.5	21.7	6.3	5.7	5.4	42	43	43
Funk G4195 (3X)	64.2	59	—	28.0	23.6	—	6.5	6.1	—	38	38	—
Northrup King PX442 (3X)	64.8	59	62	25.7	21.5	22.7	5.8	5.4	5.3	36	37	39
Northrup King PX20 (2X)	65.4	—	—	29.4	—	—	6.7	—	—	35	—	—
Northrup King PX25 (2X)	66.1	—	—	26.8	—	—	6.0	—	—	33	—	—
Pride R144 (3X)	66.4	—	—	26.8	—	—	6.1	—	—	39	—	—
Northrup King PX446 (3X)	67.7	60	61	24.4	21.1	22.7	5.6	5.3	5.6	33	35	37
Garno S85P (2X)	68.3	—	—	27.7	—	—	6.3	—	—	30	—	—
Michigan 333-3X (3X)	68.5	61	63	28.5	24.1	25.7	6.1	6.2	6.3	35	38	40
Michigan 396-3X (3X)	70.0	64	65	29.5	25.2	25.8	5.5	5.9	5.9	30	33	36
Average	60.5	55	57	25.7	21.7	22.2	6.1	5.6	5.6	40	42	43
Range	49.6 to 70.0	47 to 64	50 to 65	21.1 to 29.5	18.2 to 25.2	18.2 to 25.8	4.7 to 6.9	4.9 to 6.3	5.0 to 6.3	30 to 51	33 to 47	36 to 48
Least significant difference	2.2	1.0	0.8	1.5	0.8	0.6	0.5	0.4	0.3	3	3	2

	1974	1973	1972
Planted	May 22	May 17	May 18
Harvested	September 18	September 12	September 13
Soil type	Onaway loam	Mack. & Onaway clay loam	Onaway loam
Previous Crop	Corn	Corn	Corn
Population	20,800	20,300	18,700
Rows	28″	28″	28″
Fertilizer	202-64-64 manure	24-96-96	224-152-48
Soil test: pH		7.3	
P		90 (very high)	
K		289 (high)	

Farm Cooperators: Louis and Leroy Woloszyk, Posen (1974, 1973)
William Bartow, Alpena (1972)

County Extension Director: Jay Poffenberger, Rogers City (1974, 1973)
A. H. Nickels, Alpena (1972)

Cooperator: L. V. Nelson, Crop and Soil Science Department, Michigan State University

Table 21. **NORTHERN MICHIGAN** Zone 4
SILAGE — ALGER COUNTY TRIAL
One, Two, Three Year Averages — 1973, 1972, 1971
No results from 1974

Hybrid (Brand — Variety)	% Moisture in ears			Tons per acre: Green weight			Tons per acre: Dry weight			% Ears in dry weight		
	1973	2 Yrs	3 Yrs	1973	2 Yrs	3 Yrs	1973	2 Yrs	3 Yrs	1973	2 Yrs	3 Yrs
Wisconsin 240 (4X)	51.8	58	53	8.3	10.8	11.0	3.1	3.5	3.8	33	35	38
Pride R102 (3X)	52.3	58	—	7.0	9.1	—	2.3	2.7	—	44	41	—
DeKalb DK22 (4X)	53.6	58	53	8.8	10.4	12.1	2.8	3.2	3.7	27	32	36
Wisconsin 233 (3X)	54.3	63	—	8.3	10.4	—	2.9	3.1	—	25	31	—
Trojan TX70 (3X)	54.3	61	—	8.0	9.6	—	2.9	3.1	—	43	41	—
Wisconsin 243 (3X)	54.3	63	57	9.9	11.1	11.2	3.2	3.1	3.4	36	34	37
Wisconsin 253 (3X)	54.4	61	55	10.0	11.5	11.7	3.4	3.4	3.6	46	42	41
Cargill 185N	54.5	—	—	9.1	—	—	3.0	—	—	30	—	—
Northrup King KC3 (4X)	56.5	62	56	10.6	12.0	12.5	3.7	3.6	3.8	39	36	39
Funk G5048 (3X)	57.6	—	—	9.9	—	—	3.2	—	—	38	—	—
Northrup King PX420 (3X)	58.0	63	—	10.7	11.4	—	3.8	3.6	—	40	36	—
Pioneer 3873 (4X)	58.1	66	61	10.5	12.9	12.2	3.4	3.7	3.8	41	35	35
Michigan 200 (4X)	58.3	63	58	10.9	12.7	12.6	3.7	3.8	4.0	37	34	38
Funk G4082 (3X)	58.7	66	60	10.1	11.9	12.1	3.4	3.6	3.7	34	33	33
Northrup King KE408 (4X)	58.9	62	—	7.8	10.9	—	2.4	3.2	—	34	36	—
Pioneer 3975 (2X)	59.2	—	—	12.3	—	—	4.1	—	—	36	—	—
DeKalb DK007 (4X)	59.5	67	60	9.6	11.4	10. 7	3.2	3.4	3.4	35	31	34
Pioneer 3965 (3X)	59.7	—	—	12.8	—	—	4.0	—	—	39	—	—
Michigan 275-2X (2X)	63.3	70	63	11.3	12.7	12.2	3.4	3.5	3.9	32	30	35
Funk G4195 (3X)	64.0	—	—	11.0	—	—	3.3	—	—	27	—	—
Michigan 280 (4X)	64.5	71	65	11.1	13.1	13.1	3.3	3.6	3.8	26	26	29
Michigan 333-3X (3X)	66.4	—	—	12.8	—	—	3.5	—	—	37	—	—
Average	57.8	63	58	10.0	11.3	12.1	3.3	3.4	3.8	35	35	37
Range	51.8 to 66.4	58 to 71	53 to 65	7.0 to 12.8	9.1 to 13.1	10.7 to 13.6	2.3 to 4.1	2.7 to 3.9	3.4 to 4.2	25 to 46	26 to 42	29 to 43
Least significant difference	1.7	1.4	1.0	1.0	0.7	0.6	0.6	0.4	0.3	4	3	3

	1973	1972	1971
Planted	May 3	May 26	May 27
Harvested	Sept. 16	Oct. 10-20	Oct. 13-15
Soil type	Chatham stoney loam	Chatham stoney loam	Chatham stoney loam
Previous crop	Corn	Corn	Corn
Population	16,700	18,300	16,900
Rows	36″	36″	36″
Fertilizer	57-57-57	48-48-48	46-46-46
Soil test: pH		7.4	
P		108 (very high)	
K		354 (very high)	

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

Table 22. Index for 339 hybrids entered as 1,554 entries in the 1974 Michigan Corn Performance Trials. Numbers within parentheses refer to table numbers in which the hybrid appears. (2X) indicates a single-cross hybrid, (3X) indicates a three-way hybrid, (Sp.) indicates a special-cross hybrid, and (4X) a double-cross hybrid. Company names used in association with hybrid numbers refer to the brand and the numbers are the variety (hybrid) designation.

ACCO Seed, Belmond, Iowa
- Acco DC231 (4X) (15)
- Acco U324 (3X) (11)
- Acco U326 (3X) (11)
- Acco U334 (3X) (7, 8)
- Acco U370 (3X) (3)
- Acco DC394 (4X) (1)
- Acco DC441 (4X) (1)
- Acco UC1151 (2X) (11)
- Acco UC1901 (2X) (15)
- Acco UC2301 (2X) (6, 7, 8, 9, 10, 11, 12, 15)
- Acco UC2901 (2X) (13, 14)
- Acco UC3201 (2X) (1, 3, 5, 9, 10, 11, 12, 13, 14, 15)
- Acco UC3301 (2X) (1, 2, 3, 4, 6, 8, 9, 10, 12, 13, 14, 15)
- Acco UC3601 (2X) (3, 5)
- Acco UC4201 (2X) (2, 4)
- Acco UC4561 (2X) (3)

Adler's Seeds, Inc., Sharpsville, Indiana
- Adler 23X (2X) (1, 2, 3, 4)
- Adler 63X (2X) (1, 2, 3, 4)
- Adler 413 (3X) (1, 2, 3, 4)

Asgrow Seed Company, Des Moines, Iowa
- Asgrow RX42 (2X) (4, 9, 10, 11, 12, 15)
- Asgrow RX53 (2X) (4, 9, 10, 11, 12, 13, 14, 15)
- Asgrow RX58 (2X) (4, 13, 14)
- Asgrow RX64 (2X) (15)

Bayless Hybrids, Bluffton, Indiana
- Bayless 3X219-3 (3X) (3, 6)
- Bayless SX434 (2X) (2, 3, 5, 7)
- Bayless SX434-3 (2X) (3, 5)
- Bayless SX447 (2X) (3)
- Bayless SX617 (2X) (3)
- Bayless SX1795 (2X) (3)
- Bayless SX4395 (2X) (3, 6)
- Bayless Exp. SX72-3-18 (2X) (2, 3, 4, 5, 6, 7)

Blaney Farms, Inc., Madison, Wisconsin
- Blaney B-AA (2X) (2, 7, 16)
- Blaney BX-AA (2X) (2, 5, 15)
- Blaney B100 (2X) (6, 11, 13, 14, 15, 16)
- Blaney B302 (2X) (2, 5, 6, 9, 10, 11, 12, 13, 14, 15)
- Blaney B401 (2X) (6, 11, 12, 13, 14, 16)
- Blaney B501A (2X) (2, 11, 13, 14, 16)
- Blaney B605-WX (2X) WX (11, 13, 14)
- Blaney B606 (2X) (1, 2, 3, 4, 5, 9, 10, 12, 13, 14, 15)
- Blaney B701 (2X) (4, 9, 10, 12)
- Blaney B705 (2X) (1, 3, 12)
- Blaney B805 (2X) (1, 2, 3)
- Blaney 6616 (3X) (11, 13, 14)
- Blaney B7305 (2X) (1, 2, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16)

Cardinal Seed Company, Quincy, Michigan
- Cardinal SX90 (2X) (17)
- Cardinal SX95 (2X) (17)
- Cardinal SX100 (2X) (15)
- Cardinal SX105 (2X) (4, 9, 10, 12, 13, 14, 15)
- Cardinal SX112 (2X) (1, 2, 3, 4, 9, 10, 12)

Cargill, Inc., Minneapolis, Minnesota
- Cargill 434 (3X) (9, 10, 13, 14)
- Cargill 449 (3X) (3, 9, 10)
- Cargill 830 (2X) (12)
- Cargill 846 (2X) (12)
- Cargill 863 (2X) (9, 10)
- Cargill 875 (2X) (9, 10, 13, 14)
- Cargill 890 (2X) (1, 3, 11)

Cowbell Seeds, Inc., Wayland, Michigan
- Cowbell SX4095 (2X) (4, 6, 7, 8, 15, 16)
- Cowbell SX4100 (2X) (4, 6, 7, 8, 9, 10, 15, 16)
- Cowbell SX7300 (2X) (2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 16)
- Cowbell SX7440 (2X) (3, 4, 5, 7, 8, 9, 10, 15, 16)
- Cowbell SX7480 (2X) 1, 2, 3, 4, 5, 7, 8, 9, 10, 15)

DeKalb Ag. Research, Inc., DeKalb, Illinois
- DeKalb 007 (4X) (17, 19, 20)
- DeKalb XL10 (2X) (11)
- DeKalb XL12 (2X) (1, 7, 8, 9, 10, 11, 13, 14, 15, 16)
- DeKalb XL15A (2X) (15)
- DeKalb XL16 (2X) (9, 10, 11)
- DeKalb XL19 (2X) (9, 10)
- DeKalb XL21 (2X) (4, 7, 8, 11, 15)
- DeKalb XL21A (2X) (8)
- DeKalb DK22 (4X) (17, 19, 20)
- DeKalb XL22 (2X) (2, 3, 13, 14)
- DeKalb XL22B (Sp.) (7, 8)
- DeKalb XL38 (2X) (2, 3)
- DeKalb XL42 (2X) (1, 7, 12)
- DeKalb XL43A (2X) (1, 9, 10, 12, 13, 14)
- DeKalb XL44 (2X) (2, 3, 4, 12, 13, 14)
- DeKalb 045 (4X) (19, 20)
- DeKalb XL45A (2X) (3, 7, 8, 12)
- DeKalb XL304 (3X) (8, 17, 19, 20)
- DeKalb XL311 (3X) (15, 19, 20)
- DeKalb XL315A (3X) (4)
- DeKalb XL316 (3X) (7, 8)
- DeKalb XL343 (3X) (4)

E. J. Funk & Sons, Inc., Kentland, Indiana
- Super Crost S25 (2X) (1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Super Crost S27 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Super Crost S29 (2X) (2, 4)
- Super Crost S63 (2X) (1, 2, 3, 4, 5, 9, 10)
- Super Crost 1103 (2X) (13, 14, 15, 16)
- Super Crost 1610 (2X) (13, 14, 15, 16)
- Super Crost 1692 (2X) (6, 7, 9, 10, 11, 12, 13, 14, 15, 16)
- Super Crost W-1900 (2X) (2, 9, 10, 11, 12)
- Super Crost 1901 (2X) (2, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Super Crost 2572 (2X) (1, 2, 6)
- Super Crost 2772 (2X) (1, 2, 5, 8, 9, 10, 12)
- Super Crost 2890 (2X) (1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14)
- Super Crost 4240 (2X) (1, 2, 3, 4, 5)
- Super Crost 5440 (2X) (1, 2, 3, 4, 5)

Funk Seed International, Inc., Bloomington Il.
- Funk GWX302 (Sp.) WX (2, 3, 5, 9, 10, 15)
- Funk GWX520 (2X) WX (1, 2, 3, 5, 9, 10)
- Funk G4082 (3X) (16, 17, 18, 19, 20)
- Funk G4195 (3X) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Funk G4252 (3X) (1, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Funk G4288 (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Funk G4321 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)
- Funk G4343 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Funk G4366 (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)
- Funk G4384A (Sp.) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12)
- Funk G4404 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)
- Funk G4444 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Funk G5048 (4X) (16, 17, 18, 19, 20)
- Funk G5150 (4X) (16, 17, 19, 20)
- Funk Exp. 26190 (3X) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Funk Exp. 26438 (2X) (12, 16, 17, 18, 19, 20)
- Funk Exp. 26529 (2X) (1, 2, 3, 5, 6)
- Funk G-L2384 (Sp.) HL (1, 2, 3, 5, 9, 10, 15)

Garno Seed Company, Palmyra, Michigan
- Garno S80X (2X) (17)
- Garno S85 (2X) (3, 13, 14, 17)
- Garno S85X (2X) (11, 13, 14, 17, 19, 20)
- Garno WX91 (2X) WX (9, 10, 11, 12, 13, 14)
- Garno S92 (2X) (11, 13, 14)
- Garno S94A (2X) (11)
- Garno S96 (2X) (2, 3, 6)
- Garno S100 (2X) (6)
- Garno S102 (2X) (3)
- Garno S106X (2X) (2)
- Garno S110 (2X) (1, 2, 3, 5)
- Garno S114 (2X) (5)

Fred Gutwein & Sons, Inc., Francesville, In.
- Gutwein 08 (2X) (6, 12, 13, 14)
- Gutwein 10A (2X) (12, 13, 14)
- Gutwein 27 (2X) (1, 3, 13, 14)
- Gutwein 40 (2X) (1, 2, 3, 6)
- Gutwein 46 (2X) (1, 2, 3)
- Gutwein 48 (2X) (1, 3, 6, 12, 13, 14)
- Gutwein 58 (2X) (1)
- Gutwein 62 (2X) (1, 2, 3)
- Gutwein 69A (2X) (1, 2, 3)
- Gutwein 128 (Sp.) (3, 13, 14)

Hulting Hybrids, Geneseo, Illinois
- Hulting X534 (2X) (1, 2)
- Hulting X537 (2X) (1, 2)
- Hulting X770 (2X) (1, 2)
- Hulting X6861 (3X) (1, 2)
- Hulting X9761 (3X) (2, 3)
- Hulting X9770 (3X) (2, 3)

Jacques Seed Company, Prescott, Wisconsin
- Jacques JX30 (2X) (17)
- Jacques JX62 (2X) (4, 8, 16, 17, 18)
- Jacques JX122A (2X) (2, 4, 8, 13, 14)
- Jacques JX733 (3X) (17)
- Jacques JX863 (3X) (18)
- Jacques 844 (4X) (19, 20)
- Jacques 951 (4X) (18, 19, 20)

King Row Hybrids, Bridgeport, Michigan
- King Row KRX501 (2X) (12)

Lowe Seed Company, Kankakee, Illinois
- Lowe SX2TP (2X) (2, 3)
- Lowe LSX100 (2X) (13, 14)
- Lowe LSX101 (2X) (13, 14)
- Lowe LTX-1 (3X) (2)
- Lowe LTX-2 (3X) (3)

Mich. Crop Imp't. Assoc., East Lansing, Mich.
- A.E.S. 200 (4X) (16, 17, 18, 19, 20)
- Michigan 275-2X (2X) (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 280 (4X) (1, 2, 3, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 333-3X (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 396-3X (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 407-2X (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Michigan 410-2X (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Michigan 500-2X (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)
- Michigan 572-3X (3X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Michigan 575-2X (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)
- Michigan 2833 (3X) (6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 2853 (3X) (7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Michigan 3102 (2X) (6, 7, 11, 12, 13, 14, 15, 16)

Mich. Hybrid Seed Co., East Lansing, Mich.
- Wolverine 24 (4X) (17)
- Wolverine 46A (4X) (15)
- Wolverine 59 (4X) (15)
- Wolverine W120 (2X) (17)
- Wolverine W127 (2X) (15)
- Wolverine W128 (2X) (13, 14, 15)
- Wolverine W166 (2X) (7, 11, 12, 13, 14)
- Wolverine W170 (2X) (2, 12)
- Wolverine W172 (2X) (1)
- Wolverine W174 (2X) (1, 2, 7, 9, 10, 12, 13, 14)
- Wolverine W176 (2X) (2, 9, 10)
- Wolverine W177 (2X) (1, 2, 9, 10, 12)

Migro Hybrids, Mitchell, Indiana
- Migro M-0101 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Migro M-0501 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
- Migro M-1010A (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Migro M-1020 (Sp.) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Migro M-1101 (2X) (2, 4, 7, 8, 11, 12, 13, 14, 15, 16)
- Migro M-1130 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Migro M-1212 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Migro M-3020 (4X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

Moews Seed Company, Granville, Illinois
- Moews WM220 (2X) (3, 4, 5, 6)
- Moews WM229 (2X) (3, 4, 5, 6)

Muncy Chief Hybrids, Muncy, Pennsylvania
- Muncy Chief H304 (4X) (12)
- Muncy Chief H401 (4X) (12)
- Muncy Chief SX440 (2X) (2, 9, 10, 12)
- Muncy Chief SX550 (2X) (2, 9, 10, 12)
- Muncy Chief SX662 (2X) (2, 9, 10)
- Muncy Chief H764 (4X) (9, 10)
- Muncy Chief SX878 (2X) (9, 10)

Northrup King & Co., Minneapolis, Minn.
- Northrup King PX13 (2X) (13, 14)
- Northrup King PX20 (2X) (4, 11, 12, 13, 14, 15, 16, 19, 20)
- Northrup King PX25 (2X) (11, 12, 13, 14, 15, 16, 19, 20)
- Northrup King PX30 (2X) (8)
- Northrup King PX32 (2X) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Northrup King PX48 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Northrup King PX50A (2X) (1 2, 3, 5, 7, 9, 10, 11, 12, 13, 14)
- Northrup King PX65 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
- Northrup King PX74 (2X) (1, 2, 3, 4, 5)
- Northrup King PX420 (3X) (19, 20)
- Northrup King PX442 (3X) (19, 20)
- Northrup King PX446 (3X) (16, 19, 20)
- Northrup King PX476 (3X) (13, 14, 16)
- Northrup King KE497 (4X) (12)
- Northrup King PX525 (3X) (4, 7)
- Northrup King PX529 (3X) (7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Northrup King PX545 (3X) (2)
- Northrup King PX606 (3X) (1, 2, 3, 4, 5, 6)
- Northrup King PX610A (3X) (1, 2, 3, 4, 5, 6)

O's Gold Seed Company, Parkersburg, Iowa
- O's Gold SX1100 (2X) (1, 3, 4, 5, 12, 13, 14)
- O's Gold SX2145 (2X) (1, 12, 13, 14)
- O's Gold 3104 (3X) (1)
- O's Gold SX5500A (2X) (3, 4, 5, 12)

Occ. Chem. Co., Bad Axe & Applegate, Mich.
- Oxy 352 (2X) (13, 14)
- Oxy 476 (Sp.) (11)
- Oxy 490 (2X) (11)

TABLE 22. (Continued)

OYO Seed Asso., Inc., Marysville, Ohio
- OYO 220 (2X) (1, 2)
- OYO 333 (2X) (1, 2)
- OYO 375 (2X) (1, 2)

P.A.G. Seeds, Minneapolis, Minnesota
- P.A.G. SX7 (2X) (2, 3)
- P.A.G. SX53 (2X) (11)
- P.A.G. SX67 (2X) (13, 14)
- P.A.G. SX69 (2X) (3, 9, 10, 11, 13, 14)
- P.A.G. SX121 (2X) (19, 20)
- P.A.G. SX237 (2X) (3, 9, 10, 11, 13, 14)
- P.A.G. SX397 (2X) (1, 3, 9, 10)
- P.A.G. 7120 (19, 20)
- P.A.G. SX177 (2X) (13, 14)

Payco Hybrids, Dassel, Minnesota
- Payco SX465 (2X) (13, 14)
- Payco SX775N (2X) (12, 13, 14)

Pioneer Hi-Bred, Inc., Tipton, Indiana
- Pioneer 3517 (Sp.) (1, 2, 3, 7)
- Pioneer 3518 (Sp.) (1, 2, 3, 4, 5, 6, 9, 10, 12, 13, 14)
- Pioneer 3535 (2X) (1, 2, 3, 4, 5, 6)
- Pioneer 3773 (2X) (2, 3, 12, 15, 16)
- Pioneer 3780 (2X) (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)
- Pioneer 3784 (2X) (1, 7, 11, 13, 14)
- Pioneer 3785 (2X) (13, 14, 15)
- Pioneer 3797 (3X) (13, 14, 15, 16, 18)
- Pioneer 3956A (2X) (11, 16, 18)
- Pioneer 3958 (2X) (11, 15, 18)
- Pioneer 3965 (3X) (11, 12, 13, 14, 15, 16, 17, 18, 19, 20)
- Pioneer 3976 (2X) (17, 18, 19, 20)
- Pioneer 3977 (3X) (17, 18, 19, 20)

Prairie Stream Farms, Inc., Frankfort, Ind.
- Prairie Stream SX1B (2X) (5)
- Prairie Stream SX3 (2X) (5)
- Prairie Stream SX3A (2X) (5, 6)

Pride Seed Company, Coldwater, Michigan
- Pride R123 (2X) (19, 20)
- Pride R137 (4X) (19, 20)
- Pride R144 (3X) (19, 20)
- Pride R173 (3X) (13, 14, 17, 18)
- Pride R252 (2X) (10, 13, 14, 18)
- Pride R290 (2X) (11, 15)
- Pride R407 (2X) (3)
- Pride R450 (2X) (3, 5, 9, 10)
- Pride R522 (2X) (3, 5, 9, 10)
- Pride R728 (3X) (1, 2, 3)
- Pride 1124 (2X) (17)
- Pride 2264 (2X) (8, 16)
- Pride 4404 (2X) (12, 13, 14)
- Pride 6694 (2X) (1, 4)

Renk Seed Company, Sun Prairie, Wisconsin
- Renk RK2 (2X) (17)
- Renk RK6 (2X) (11, 12)
- Renk RK11AA (2X) (7, 8, 9, 10)
- Renk RK14 (2X) (11, 12)
- Renk RK44 (2X) (3, 4, 5)
- Renk RK66 (2X) (3, 4, 5)

Sommer Bros. Seed Company, Pekin, Illinois
- Golden Harvest H-2355 (2X) (1, 3, 5, 6, 7, 9, 10, 12, 13, 14)
- Golden Harvest H-2385 (3X) (1, 3, 5, 6, 7, 9, 10, 12, 13, 14)
- Golden Harvest H-2420 (2X) (1, 3, 5, 6, 7, 9, 10, 12, 13, 14)
- Golden Harvest H-2450 (2X) (1, 3, 5, 6, 7, 9, 10, 12, 13, 14)
- Golden Harvest H-2500 (2X) (1, 3, 5, 6, 7, 9, 10, 12, 13, 14)

Stewart Seeds, Ltd., Ailsa Craig, Ontario, Canada
- Stewart 38 (3X) (17, 18)
- Stewart 2501 (2X) (17, 18)
- Stewart 2-3001 (2X) (11, 13, 14)
- Stewart 2-3102 (2X) (12, 16)
- Stewart 3-3301 (2X) (7, 9, 10)
- Stewart 3505 (3X) (17, 19, 20)

Taylor-Evans Seed Company, Tulia, Texas
- Taylor-Evans Bonusmaker (2X) (1, 3, 9, 10)
- Taylor-Evans Marketmaker (2X) (1, 3, 9, 10)
- Taylor-Evans Timemaker (4X) (1)

L. Teweles Seed Co., Clinton, Wisconsin
- Teweles 1500 (2X) (12, 17)
- Teweles 1600 (2X) (8)
- Teweles 2020 (4X) (18)
- Teweles 2320 (2X) (8, 18)
- Teweles 2400 (2X) (3, 9, 10, 12, 16)
- Teweles 2800 (2X) (3, 9, 10, 12, 16)
- Teweles 3200 (2X) (3, 9, 10)
- Teweles 3500A (2X) (3, 9, 10, 16)
- Teweles 5900 (3X) (18)
- Teweles 6100A (3X) (12, 16, 18)

Todd Hybrid Corn Co., Burlington, Indiana
- Todd M20 (2X) (2)
- Todd MX22 (2X) (1, 2)
- Todd M30 (2X) (2)
- Todd M50 (2X) (2)
- Todd M58 (2X) (1, 2)
- Todd 330 (3X) (2)

Trojan Seed Co., Windfall, Indiana
- Trojan TX70 (3X) (17, 19, 20)
- Trojan TX85 (3X) (17)
- Trojan TXS85 (2X) (17)
- Trojan TX90 (3X) (13, 14)
- Trojan TXS94 (2X) (7)
- Trojan TXS99 (2X) (11, 16)
- Trojan TX100 (3X) (11, 13, 14)
- Trojan TXS102 (2X) (2, 3, 4, 7, 9, 10, 12)
- Trojan TXS102A (2X) (1, 3, 6, 9, 10, 12, 13, 14)
- Trojan TXS105A (2X) (7, 9, 10, 11)
- Trojan TXS108A (2X) (2, 13, 14)
- Trojan TXS111 (2X) (3)
- Trojan TXS113 (2X) (1, 2)

Voris Seeds, Inc., Windfall, Indiana
- Voris V2382 (2X) (6, 9, 10)
- Voris V2383 (2X) (7)
- Voris V2402 (2X) (3, 7)
- Voris V2432 (2X) (3, 7)
- Voris V2442 (2X) (5, 6, 9, 10)
- Voris V2452 (2X) (1, 5, 9, 10)
- Voris V2532 (2X) (1, 3, 6, 9, 10)
- Voris V2552 (2X) (5)
- Voris V2562 (2X) (1)

Warwick Seed Company, Ltd., Blenheim, Ontario, Canada
- Warwick TX22 (Sp.) (19, 20)
- Warwick TX27 (3X) (9, 10, 11, 12)
- Warwick TX32 (3X) (2, 9, 10, 11, 12)
- Warwick SL209 (2X) (19, 20)
- Warwick SL224 (2X) (11)
- Warwick SL501 (Sp.) (1, 9, 10, 11, 12)
- Warwick SL601 (2X) (2)

Watson Hybrids, Rocky Mount, N. C.
- Watson 416-H (2X) (2)

Wyckoff Hybrids, Inc., Valparaiso, Indiana
- Wyckoff W-5X (4X) (4, 6)
- Wyckoff 1212SX (2X) (3)
- Wyckoff 1266SX (2X) (6)
- Wyckoff 2414SX (2X) (2, 3, 6)
- Wyckoff 3537SX (2X) (2)

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