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Michigan Corn Production Hybrids Compared
Michigan State University Extension Service
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2005

Michigan
Corn Hybrids Compared

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CELEBRATING

70
Years
of

Corn Variety Testing

MICHIGAN STATE
UNIVERSITY
EXTENSION

Extension Bulletin E-431 December 2005

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1936 - 2005

Seventy Years of Corn Variety Testing

This year Corn variety testing in MSU's Crop and Soil Science Department is celebrating its seventieth season of continued hybrid testing. MSU first started testing hybrid vigor against the open pollinated varieties of the day in 1935 with continuous multi-year trials starting in 1936. The trials were started by A. R. Marston, and continued by J. W. Thayer and E. E. Down into the 1940's. In 1948, Dr. Elmer Rossman joined the MSU faculty and directed the Corn Hybrid Trials for the next 42 years ending in 1989. After several years of interim leadership the trials have been headed by Dr. Kurt Thelen since 1999.

Currently the trials reach across 14 Michigan counties with 18 different locations plus, new in 2005, a silage location in NW Ohio. These locations include 13 grain trials, 10 silage trials, and 3 Glyphosate trials. Over the seventy years, the trials have traveled through 51 different Michigan counties and have included many different studies that have helped to shape corn production practices used in Michigan today. Over the seventy years we have looked at and compared yields for population, row spacing, planting date, lodging by harvest date, moistures by harvest date, seed treatments, and irrigated vs. non irrigated plots. We have compared hybrids with different traits such as Waxy, Hi Amelose, Hy Lysine, Bt, RR, IT, IR, ICI, IMR, CRW and LL hybrids etc. against their

conventional germplasm lines to determine their value. We were one of the first states to compare silage yields starting in 1935 and now are one of the few states conducting silage trials that evaluate corn silage hybrids for yield and quality.

We have evolved from hand planted and hand harvested hill plots, in the 30's and 40's, to machine planted single row plots harvested by mechanical picker shellers through the 50's, 60's, 70's and 80's. We implemented 2 row plots in the 90's using a made-for-research corn sheller for harvest. Today we plant four row plots harvesting the center two rows with some of the most advanced plot research equipment available. (Note equipment changes in the pictures here and inside the back cover). There have been 942 separate county grain trials and 315 county silage trials conducted over the 70 years.

We appreciate the support of the farmers in Michigan and their use of the trial information. We also want to thank all the many seed companies (past and present) that support the trials through their participation. Without the trust and support of both of these groups we could not have reached such a milestone.



Originally trials were hand planted in hill plots at 12,000 - 14,000 plants per acre.



Hand planting was continually used at some locations up through 1988. This picture was taken on the Bob Bevier Farm, Washtenaw County in 1966.

Use of a mechanical planter started sometime in the 1950's. This 2 row cone planter was used in the trials from 1963 to 1989.



Today trials are mechanically planted at populations up to and exceeding 30,000 plants per acre.



In 1990 this 4 row vacuum planter was purchased for the trials. It has been up dated in 1994, 2001 and 2003 to keep it current with new technology.

2005 Michigan Corn Performance Trials

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Introduction

The Michigan State University Department of Crop and Soil Sciences conducts hybrid corn trials each year in cooperation with MSU Extension, seed corn companies, and farmers.

Entries

Seed companies are invited to enter hybrids in the trials. A fee is charged to cover expenses. Separate indexes for grain and silage present a list of all hybrids entered in the 2005 trials (pg. 28 and 48, respectively). Thirteen grain and nine silage locations were planted. A total of 371 hybrids from 37 seed companies (39 brand names) make up the 569 entries. This translates to 1,663 separate county entries. Company names used in association with hybrid numbers refer to the brand. The numbers are the companies' designations. Numbers in parentheses refer to the tables in which each hybrid appears. Hybrids that have a seed-applied insecticide that may enhance yield are listed in the table column TRT. Treatment codes are listed in the table on page 23.

How to Use This Bulletin

Tables list hybrids alphabetically. Tables contain yield results for each location and zone averages. Complete one-, two-, and three-year yield results are listed in tables for each zone where data is available. One-year single-site results are less reliable than multi year and multi location averages and should be interpreted with more caution. Confidence in corn performance data increases as the number of years and the number of testing locations increase. Results are also listed on our Web site:

<http://www.css.msu.edu/varietytrials/>

The results shown are the average of four replications grown in close proximity to one another. Two or more plots of the same hybrid in the same field may produce somewhat different results because of uncontrolled variability in the soil and other environmental factors. Replication and randomization of the entries are two methods used to reduce this variation. Because these methods do not eliminate all variables, the magnitude of difference necessary for statistical significance has been calculated for yield, moisture content, and test weight. The value

calculated as the least significant difference (LSD) is the amount that an individual hybrid would have to differ from another hybrid in the same test to be considered significantly different from that hybrid. The CV, or coefficient of variability, is indicative of a trial's precision. Trials with low levels of error variation have lower CV values.

Hybrids that are not significantly different from the highest yielding hybrid are marked with an asterisk (*) in each table (highest yielding hybrid is marked with (**). Other agronomic information relative to each trial is given in tables B and C. Fertilizer amounts are shown as total pounds per acre of nitrogen, P₂O₅ and K₂O applied during the season.

Growing Conditions in 2005

All trials in Zones 1 & 2 were planted the last week of April, except for Saginaw which was planted on May 5th. Delta and Alger Counties were planted on May 6th. The remaining sites in Zones 3 & 4 were planted between May 9th & 11th. The exceptions were in Montcalm County with the glyphosate trial planted on April 26th and the conventional trial planted May 17th. Silage harvest began August 29th and ended on September 19th. Grain harvest was completed between September 30th and October 21st.

Excellent field conditions in late April allowed for the planting of nine trials in April. Cool weather and soil conditions delayed planting in Northern Lower Michigan for a week. Planting resumed on May 5th & 6th. Conditions were suitable to plant the Upper Peninsula (UP) trials at that time. By May 9th, field conditions allowed planting to continue at the remaining sites.

With good sub soil moisture the crop got off to a good start through May and June. The crop was under stress during July and early August due to a shortage of rainfall and higher than normal temperatures. Though spotty, some timely rainfalls in mid-August provided the needed moisture that accounted for a better than expected crop. Due to the high temperatures, premature crop dry down resulted in a one to two week earlier silage harvest. Grain harvest, although also early, saw much of the crop harvested at sub 20% moistures.

Good harvest weather made for timely harvest with most of the Michigan crop being taken in October allowing for timely fall tillage.

2005 Growing Season Weather Summary

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Weatherwise, the 2005 growing season was generally characterized as much warmer than normal, and depending on location, by precipitation totals ranging from much below normal to near normal. Fortunately, the preceding winter was wetter than normal over most sections, with as much as 200% of normal precipitation recorded in some spots between December and mid-March. The wetter than normal trend led to 'Very Moist' or 'Unusually Moist' Palmer Drought Index values and to soil profiles at or near field capacity over most of the state by March, which would prove to be a critical factor in determining crop yields later in the season. Following colder than normal temperatures during much of March, an upper air ridging pattern developed across the Upper Midwest during the last week of the month and persisted for much of the first half of April. This resulted in a warm and dry pattern which favored spring tillage activities and even to some early planting. Upper air troughing and a return of below normal temperatures returned by late April, but given drier than normal conditions, planting continued at a rapid pace into early May.

The upper air troughing pattern mentioned above continued off and on for much of the month of May, resulting in many sunny, cool, and windy days across the state. The cool temperatures delayed germination and early establishment of crops in many areas. Late spring frosts/freezes injured some early planted crops statewide during the 3rd - 6th and in some northern sections of the state on the 15th. During the first week of June, a major change in the upper air pattern across North America occurred, with the persistent troughing feature over eastern sections of the continent replaced by a broad ridge. This resulted in an extended period of above normal temperatures across the Upper Midwest and to rapid crop growth and development.

Among the most important aspects of the season's weather was the general lack of precipitation in some sections of the state from early April through mid-July, and again during August and September. This dryness was part of a larger, regional-scale drought centered in Illinois, Missouri, and Wisconsin. Rainfall totals across Michigan from April through the end of June ranged from less than 3 inches in some western sections of Lower Michigan to more than 7 inches in the east central Lower Peninsula (normal precipitation for this period is generally on the order of 8.0-8.5 inches). By the end of June, the Palmer Drought Index had fallen dramatically from the surplus levels of late winter, with all but the east central Lower Peninsula categorized as under 'Moderate' or 'Severe' drought conditions. A stationary front lingering across the region along with ample Gulf of Mexico-origin low-level moisture and several upper air disturbances brought

what might truly be termed, 'million dollar rains' in the form of almost daily showers and thunderstorms from the 17th-22nd of July. Two to four inches of rain fell across most of the state, reducing or ending dryness and crop stress just as the crop began entering the critical pollination development stage. Upper air ridging and drier than normal weather returned by early August and persisted through much of the remainder of the growing season. Following warmer and drier than normal conditions in August and September, the first killing freeze of the fall occurred later than normal in most sections of the state, from the 7th-10th of October in the north, and by the last week of October in the south.

A second and equally important weather impact during the season was the period of prolonged warmer than normal temperatures that persisted with only brief interruptions from early June through October. Mean temperatures for these months generally ranged from 2-4 degrees F. above normal, leading to rapid crop development and to a relatively early crop maturation. The early maturation and warm, dry September and October led to rapid grain drydown and to significant savings for growers in terms of improved grain quality and reduced drying costs.

Overall for the 5-month May-September period, precipitation totals ranged from much below normal levels in northern sections of the state to near normal levels in a few locations mainly in central sections of the Lower Peninsula. Mean temperatures for the period were above normal over most areas, reflecting abnormally warmth from June through September. Not surprisingly, seasonal growing degree day accumulations were well above normal statewide, with totals generally ranging 10-20% greater than the climatological normals. In a historical context, the 2005 growing season would generally rank among the warmest 10% on record.

Finally, it is worth noting that crop performance under the warmer and drier than normal conditions was strongly impacted by soil type. Plant available water in the top 5-feet of the soil profile at field capacity across Michigan varies widely from less than 3 inches in coarse, sandy soils to more than 8 inches in some heavy clays. Given a general lack of precipitation during much of the growing season, crop water needs were supplied at least in part by water stored in the soil profile following the wetter than normal winter. Without the full soil moisture profile at the beginning of the season, it is likely that crop yields would have been much more adversely impacted by the warm, dry conditions.

TABLE A. GROWING SEASON SUMMARY - TEMPERATURE, PRECIPITATION AND GROWING-DEGREE-DAY ACCUMULATIONS

	COUNTY	MAY			JUNE			JULY			AUGUST			SEPTEMBER			SEASON			
		OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	
Zone 1	MONROE (Lenawee)	TEMP PPT GDD	55.6 1.39 298	58.3 3.04 353	-2.7 -1.65 -55	73.6 1.90 678	67.8 3.30 542	5.8 -1.40 136	74.8 5.18 752	71.7 3.73 658	3.1 1.45 94	73.8 1.47 721	69.9 -1.73 616	3.9 2.37 541	62.6 2.62 432	5.1 -0.25 109	69.1 12.31 2990	66.1 15.89 2601	3.0 -3.58 389	
	ST. JOSEPH (Branch & Cass)	TEMP PPT GDD	56.1 2.39 318	59.2 3.12 381	-3.1 -0.73 -63	73.7 2.40 666	68.4 3.95 564	5.3 -1.55 102	75.1 6.27 735	71.9 3.79 670	3.2 2.48 65	73.3 1.62 699	70.1 3.16 628	3.2 -1.54 71	68.4 4.35 535	63.3 3.01 454	5.1 1.34 81	69.3 17.03 2953	66.6 17.03 2697	2.7 0.00 256
	WOOD (Bowling Green, OH)	TEMP PPT GDD	56.0 1.67 312	60.1 3.58 360	-4.1 -1.91 -48	74.3 1.24 701	69.8 3.56 551	4.5 -2.32 150	75.2 7.15 768	73.4 3.57 682	1.8 3.58 86	73.4 1.76 733	70.9 3.36 628	2.5 -1.60 105	67.3 2.82 538	64.1 2.63 430	3.2 0.19 108	69.2 14.64 3052	67.7 16.70 2651	1.6 -2.06 401
Zone 2	KENT	TEMP PPT GDD	54.7 2.04 265	57.4 2.86 335	-2.7 -0.82 -70	71.8 6.65 685	67.1 3.68 530	4.7 2.97 155	72.8 3.97 719	71.2 2.95 654	1.6 1.02 65	72.0 1.24 698	69.5 3.14 610	2.5 -1.90 88	66.5 3.64 522	61.9 3.24 412	4.6 0.40 110	67.6 17.54 2889	65.4 15.87 2541	2.1 1.67 348
	INGHAM	TEMP PPT GDD	54.7 1.72 512	57.5 2.73 338	-2.8 -1.01 174	71.7 4.85 667	67.0 3.54 530	4.7 1.31 137	72.8 5.67 718	70.7 3.02 640	2.1 2.65 78	72.6 0.67 716	69.0 3.12 598	3.6 -2.45 118	66.7 2.61 535	62.0 2.50 418	4.7 0.11 117	67.7 15.52 3148	65.2 14.91 2524	2.5 0.61 624
	SAGINAW	TEMP PPT GDD	53.7 2.14 241	58.6 2.49 367	-4.9 -0.35 -126	71.7 1.83 646	68.2 3.09 555	3.5 -1.26 91	71.1 4.03 676	72.1 2.83 670	-1.0 1.20 6	70.0 1.24 636	70.2 3.29 623	-0.2 -2.05 13	65.9 5.12 501	62.9 2.76 438	3.0 2.36 63	66.5 14.36 2700	66.4 14.46 2653	0.1 -0.10 47
Zone 3	HURON	TEMP PPT GDD	52.9 1.92 227	55.2 2.58 298	-2.3 -0.66 -71	71.0 3.96 614	64.9 2.88 479	6.1 1.08 135	72.0 3.16 689	69.3 2.93 602	2.7 0.23 87	72.7 1.61 691	67.8 3.01 569	4.9 -1.40 122	65.0 5.49 476	61.0 2.67 387	4.0 2.82 89	66.7 16.14 2697	63.6 14.07 2335	3.1 2.07 362
	MONTCALM	TEMP PPT GDD	53.4 2.33 241	57.7 2.88 351	-4.3 -0.55 -110	71.7 5.38 633	67.1 3.43 536	4.6 1.95 97	72.0 4.13 625	71.0 2.50 646	1.0 1.63 -21	70.9 0.78 593	69.3 3.84 603	1.6 -3.06 -10	65.4 2.48 456	61.6 3.12 414	3.8 -0.64 42	66.7 15.10 2548	65.3 15.77 2550	1.3 -0.67 -2
	MASON	TEMP PPT GDD	55.4 2.50 218	54.4 2.48 273	1.0 0.02 -55	72.5 1.56 593	63.6 2.93 450	8.9 -1.37 143	72.3 4.64 593	68.5 2.18 587	3.8 2.46 6	69.6 3.21 582	67.2 3.79 552	2.4 -0.58 30	64.4 2.64 484	60.2 3.25 365	4.2 -0.61 119	66.8 14.55 2470	62.8 14.63 2227	4.1 -0.08 243
Zone 4	ALPENA	TEMP PPT GDD	49.5 0.90 215	52.0 2.78 251	-2.5 -1.88 -36	66.8 3.69 549	61.7 3.12 413	5.1 0.57 136	68.7 2.70 610	66.6 3.11 534	2.1 -0.41 76	66.5 4.91 528	64.9 3.23 496	1.6 1.68 32	61.4 1.44 428	57.2 3.08 317	4.2 -1.64 111	62.6 13.64 2330	60.5 15.32 2011	2.1 -1.68 319
	GRAND TRAVERSE	TEMP PPT GDD	52.0 2.14 223	53.5 2.48 273	-1.5 -0.34 -50	70.7 1.10 632	63.7 3.15 454	7.0 -2.05 178	71.0 2.06 675	68.8 2.88 587	2.2 -0.82 88	70.2 3.73 635	67.3 2.93 552	2.9 0.80 83	65.0 2.75 489	59.3 3.60 348	5.7 -0.85 141	65.8 11.78 2654	62.5 15.04 2214	3.3 -3.26 440
	MENOMINEE (Delta)	TEMP PPT GDD	51.0 1.65 241	53.6 3.57 285	-2.6 -1.92 -44	67.1 2.21 544	62.7 3.72 438	4.4 -1.51 106	68.9 1.63 556	67.4 3.63 559	1.5 -2.00 -3	68.4 2.71 570	65.5 3.86 513	2.9 -1.15 57	68.4 2.16 431	65.5 3.60 319	2.9 -1.44 112	68.4 10.36 2342	61.2 18.38 2114	2.0 -8.02 228
Zn 5	ALGER (Chatham)	TEMP PPT GDD	47.4 2.01 197	52.6 2.85 263	-5.2 -0.84 -66	63.3 1.63 471	62.3 3.06 419	1.0 -1.43 52	65.6 3.88 511	65.7 3.57 499	-0.1 0.31 12	66.2 2.22 502	65.2 3.08 492	1.0 -0.86 10	59.3 4.86 379	57.7 3.69 311	1.6 1.17 68	60.4 14.60 2060	60.7 16.25 1984	-0.3 -1.65 76

TEMP = Mean temperature (°F)

PPT = Precipitation (inches)

GDD = Growing Degree Day calculated at base 50°F, with an 86°F cutoff

OBS = Totals observed in 2005

NORM = Normals calculated over 30 year period (1950-1980)

DEV = Deviation of observed from normal

Table courtesy of MSU Agricultural Weather Office (517-355-0231)

2005

Grain Performance Trials

Introduction

Thirteen locations (see map) containing 29 grain trials were planted. The grain index (pg.28) contains a list of all hybrids planted in the 2005 grain trials.

County grain results are reported in the following tables:

Tables 1E and 1L.

Zone 1 - Branch, Cass, and Lenawee

Tables 2E and 2L.

Zone 2 - Ingham, Kent, and Saginaw

Tables 3E and 3L.

Zone 3 - Huron, Mason, and Montcalm

Table 4.

Zone 4 - Alpena, Grand Traverse, and Delta (Late)

Table 5.

Zone 5 - Alger and Delta (Early)

Tables 6E and 6L Glyphosate Resistant.

Zone 2 - Saginaw and Zone 3 - Huron and Montcalm

Hybrids are reported in alphabetical order in each of the tables.

Methods

Three trial locations were planted in each of four maturity zones. Zone 5 had two locations. These zones are based on available growing degree-day units established from long-term weather records. Hybrids entered in a zone were tested in each of the three designated locations. Entries for Zones 1, 2 and 3 are divided into two maturity groups (early and late) on the basis of maturity ratings provided by the seed companies. (In Zones 4 and 5, all hybrids were tested in one group.)

Four-row plots were used at all grain locations. The two center rows were harvested for yield. Plots were 22 feet long with 30-inch row spacing.

Experimental design, data acquisition, analysis of variance and data summarization were facilitated in part by AGROBASE Generation 11™ (Agronomix Software, Inc., Winnipeg, Canada). The experiment layout is a four-replication, lattice design. Hybrid performance is reported as the adjusted mean averaged together from four replicated plots.

Variety trials were conducted on farmers' fields. All hybrids in a location were managed the same, with the same fertilizers, population, date of planting and other management practices. In the field, hybrids were identified

only by a plot number to assure unbiased comparisons. Trials in Branch, Cass, Montcalm and Mason counties were irrigated.

Stand counts were recorded in June. Plots with stand counts higher than the desired population were thinned at this time. Average trial population plus the desired population rates are listed in the Agronomic tables, Table B (grain page 29) and Table C (silage page 31). Lodging measurements were made at harvest. All plants broken below the ear and/or leaning more than 45 degrees were counted. Plots were harvested mechanically. Moisture content and field weight were measured by a GrainGage™, a HarvestMaster System™ mounted on the plot combine. Grain yield is reported at a standard 15.5 percent moisture. Grain test weight is reported at harvest moisture. Automated test weight equipment loses some accuracy as harvest moistures increase. Test weight values should be used to determine relative rank and not as a precise weight.

Replicated grain samples were collected from one location in each zone (Branch, Ingham, Montcalm, Grand Traverse, and Delta E) and were tested for protein, starch and oil content using near infrared reflectance (NIR) quality analysis. The results are presented in each table.

The tables report the following information about the hybrids tested:

1. Moisture content at harvest (%H₂O).
2. Yield (in bushels per acre) of shelled corn corrected to 15.5 percent moisture (Bu/A)
3. Test weight at harvest moisture (Twt).
4. Percent of stalk lodging (plants broken below the ear and/or 45 degrees off vertical at harvest) (%SL).
5. Percent stand of target population (%Std).
6. Percent protein (Prot), percent oil (Oil) and percent starch (%Strch) content are reported at 15.5 percent grain moisture.

How to Choose a Hybrid

Adaptation

The map on next page shows the locations of the grain trials and divides Michigan into four generalized maturity zones. 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.

In selecting a hybrid, there is no real substitute for observing individual characteristics while plants are growing. The best time to compare plants is usually in late August or early September as they approach maturity. Each year, demonstration plantings of each hybrid are planted at a limited number of test locations. In 2005, hybrids were identified at four locations for public viewing with two featuring a scheduled field tour. Examining plant and ear characteristics can help you select hybrids suitable for your production system. (Yield results are not taken from the demonstration plot.)

Planting Rate

The number of seeds sown per acre in Michigan has increased steadily over the past several years. In general, modern corn hybrids can withstand the stress of higher plant populations better than earlier hybrids. However, increased planting rates are not a guarantee of increased yield. Check with your seed dealer for information on which hybrids perform better at higher populations when grown on your soil type.

Maturity

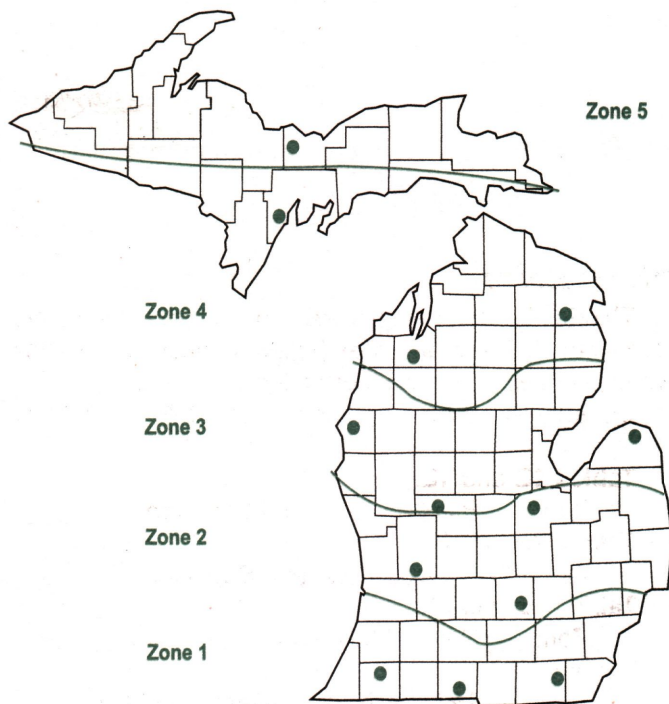
Early-maturing hybrids are generally lower in moisture content than later-maturing hybrids at harvest. Differences among hybrids in rate of dry down in the field also affect moisture content at harvest.

It generally requires two days for grain moisture to fall 1 percent. Corn is considered physiologically mature when a black layer of cells forms at the base of the kernel. This black layer is an indication of the end of active growth processes. At this time, kernel moisture will be between 32 and 35 percent.

Early-maturing hybrids also create a better opportunity for reaching full maturity and good field dry down when planting is delayed due to wet weather as experienced in 2003 and 2004. Due to the warmer summer in 2005 maturity differences in hybrids were not as great as normal.

For Grain

When you are selecting a hybrid, yield should not be the only consideration. A hybrid with lower moisture but above average yield will often have higher net returns than a top-yielding hybrid with higher moisture. A one point increase in moisture requires about 2 more bushels in yield to break even. It is often better to choose earlier hybrids



2005 Grain Trial Locations

(below average moisture content) than later hybrids for grain. Data in the tables show that good yields do not necessarily depend on later maturity.

Seven Advantages of Early-Maturing Hybrids:

1. They usually mature before killing frost.
2. Adapted early hybrids can generally yield as much as late hybrids in most areas of Michigan.
3. Early hybrids with lower moisture content at harvest reduce drying time and market discounts for high grain moisture.
4. Grain test weights are generally higher, resulting in reduced market discounts.
5. Mature dry corn makes a superior feed grain when used in swine or poultry rations.
6. Harvest can take place earlier in the fall, when weather conditions are most favorable. Early harvest may reduce corn losses resulting from broken stalks and dropped ears.
7. Fall tillage of corn stubble can be completed on land not subject to erosion.

TABLE 1E.

BRANCH, CASS & LENAWEE COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier)

ZONE 1

2005			EARLY TRIAL AVERAGE						% QUALITY			BRANCH - EARLY						CASS - EARLY						LENAWEE - EARLY											
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
AGRIGOLD A6391CL	106	P250	19.4	216.7	57.1	2.1	100	7.2	3.9	59.4	17.4	207.0	57.5	3.5	100	21.9	229.4	55.5	1.5	100	19.0	213.7	58.3	1.3	100	19.0	213.7	58.3	1.3	100					
	107	P250	20.7	226.4	**	55.6	3.0	99	6.8	4.2	59.4	18.8	206.8	55.7	5.5	98	23.1	238.6	**	54.0	0.5	99	20.3	233.8	**	57.0	2.9	100	20.3	233.8	**	57.0	2.9	100	
	103	P250	18.7	196.8	57.3	1.9	97	7.4	3.5	60.2	17.0	184.7	57.2	4.0	92	20.1	211.5	56.3	1.5	99	18.9	194.3	58.3	0.3	100	18.9	194.3	58.3	0.3	100					
	105	P250	18.8	209.5	55.5	1.1	95	8.1	3.6	59.1	18.0	203.7	54.9	1.7	93	20.5	217.9	54.7	0.5	95	17.8	206.9	56.8	1.0	98	17.8	206.9	56.8	1.0	98					
	105	P250	18.6	210.2	55.5	0.7	94	7.8	3.4	59.5	18.0	212.4	55.2	1.1	91	20.6	220.2	54.5	0.0	95	17.2	198.0	56.9	1.0	97	17.2	198.0	56.9	1.0	97					
BIO GENE BG1077	107	P250	20.1	205.4	55.8	2.2	98	5.9	3.7	61.7	17.5	195.0	56.5	4.2	99	22.6	214.2	54.0	0.5	95	20.2	207.1	57.0	2.0	100	20.2	207.1	57.0	2.0	100					
	105	C125	20.6	204.8	56.9	1.1	97	7.0	3.9	58.8	17.9	184.7	58.2	2.1	97	23.4	224.1	55.1	0.9	98	20.6	205.5	57.5	0.3	98	20.6	205.5	57.5	0.3	98					
	105	P250	18.3	207.0	55.2	1.3	98	7.6	3.7	59.7	17.1	203.9	55.0	2.3	97	20.2	218.4	54.3	0.1	100	17.7	198.6	56.4	1.4	97	17.7	198.6	56.4	1.4	97					
	103	P250	19.3	220.2	*	54.9	0.6	100	7.8	3.7	59.1	18.3	232.1	**	54.8	0.0	100	21.3	221.7	54.5	0.4	99	18.3	206.8	55.5	1.3	100	18.3	206.8	55.5	1.3	100			
	104	P250	18.1	221.5	*	58.3	0.5	97	7.1	3.9	59.8	16.6	221.6	*	58.1	1.0	98	20.2	231.3	57.2	0.2	100	17.5	211.5	59.6	0.4	94	17.5	211.5	59.6	0.4	94			
DAIRYLAND STEALTH-5503	105	P250	19.2	211.7	57.7	0.6	98	7.2	3.5	60.6	17.7	208.9	*	58.1	1.0	95	21.1	224.8	*	56.2	0.7	100	18.7	201.3	58.9	0.0	100	18.7	201.3	58.9	0.0	100			
	102	P250	16.8	211.5	57.6	1.7	99	7.8	4.0	59.0	15.5	208.4	*	57.0	3.9	99	18.6	215.0	56.7	0.5	99	16.3	211.2	59.0	0.7	100	16.3	211.2	59.0	0.7	100				
	104	P250	17.3	209.5	59.3	0.6	100	7.9	4.0	58.9	16.1	206.2	59.2	0.7	100	19.4	224.1	*	58.5	0.4	100	16.3	198.2	60.2	0.7	99	16.3	198.2	60.2	0.7	99				
	105	P250	17.7	209.7	58.6	2.0	99	7.9	4.2	58.6	16.4	198.2	58.6	3.7	98	19.7	225.0	*	58.1	0.1	100	17.1	205.9	59.2	2.3	100	17.1	205.9	59.2	2.3	100				
	107	P250	17.9	204.2	58.3	2.9	96	8.1	4.4	58.7	16.0	191.9	57.7	5.3	91	21.0	218.4	57.2	0.4	99	16.8	202.4	60.0	3.0	97	16.8	202.4	60.0	3.0	97					
DEKALB DKC57-84 (YGCB)	107	P250	18.9	217.5	58.1	1.0	100	8.0	4.4	58.6	16.6	218.4	*	58.4	1.6	100	21.4	228.0	*	57.0	0.4	100	18.7	206.0	59.0	1.0	100	18.7	206.0	59.0	1.0	100			
	103	P250	18.8	212.7	58.3	1.4	100	6.6	3.3	62.0	17.2	205.3	58.6	2.3	100	21.4	217.0	56.6	1.2	99	17.8	215.9	59.7	0.7	100	17.8	215.9	59.7	0.7	100					
	106	P250	19.6	156.8	56.8	0.4	69	8.4	4.2	57.8	18.4	153.3	57.3	0.6	68	21.3	140.5	55.5	0.2	56	19.0	176.5	57.5	0.4	84	19.0	176.5	57.5	0.4	84					
	105	C250	19.0	222.9	*	56.8	1.1	100	7.2	3.3	61.2	17.2	213.6	*	57.3	1.6	99	21.1	233.6	*	55.8	0.9	100	18.6	221.4	*	57.3	0.7	100	18.6	221.4	*	57.3	0.7	100
	104	C250	18.6	212.2	57.0	1.0	97	7.7	4.1	58.8	18.0	204.2	57.0	1.7	94	19.7	211.3	56.5	0.5	99	18.0	221.2	*	57.5	0.7	100	18.0	221.2	*	57.5	0.7	100			
GOLDEN HARVEST H-8473	107	C250	19.7	204.3	57.0	0.8	100	7.4	4.1	59.3	17.9	195.5	57.4	0.3	100	22.5	217.8	55.1	1.1	100	18.6	199.7	58.5	1.0	100	18.6	199.7	58.5	1.0	100					
	98	P250	17.7	188.0	59.7	0.6	98	7.7	3.8	60.1	17.1	182.6	59.4	1.0	98	19.0	198.3	58.7	0.8	98	17.1	183.0	61.0	0.0	97	17.1	183.0	61.0	0.0	97					
	102	P250	19.1	215.0	57.3	1.0	100	7.3	3.6	59.9	17.5	219.6	*	57.4	1.6	100	21.0	222.5	*	56.2	0.4	100	18.7	202.9	58.2	1.0	100	18.7	202.9	58.2	1.0	100			
	102	P250	20.4	208.7	56.2	1.6	97	7.9	4.0	59.7	19.0	198.3	56.0	1.7	92	23.6	211.6	54.4	2.0	99	18.6	216.3	58.2	1.0	100	18.6	216.3	58.2	1.0	100					
	103	P250	19.8	206.4	57.1	0.6	92	7.3	4.0	59.6	18.6	203.7	57.4	0.4	86	22.9	208.5	55.5	1.0	90	18.0	207.1	58.5	0.4	100	18.0	207.1	58.5	0.4	100					
JUNG 6545YGCB	105	P250	18.6	209.6	57.8	0.5	98	7.2	3.9	59.3	16.2	198.4	57.8	0.7	95	20.5	215.1	56.9	0.9	99	19.0	215.2	58.7	0.4	100	19.0	215.2	58.7	0.4	100					
	102	C250	17.3	211.0	57.4	1.6	100	7.1	3.7	59.6	16.2	216.6	*	57.6	3.2	100	19.0	206.2	56.0	0.8	100	16.6	210.3	58.7	0.7	100	16.6	210.3	58.7	0.7	100				
	104	C250	17.9	184.3	54.5	1.1	92	6.0	3.9	61.2	16.4	177.5	55.6	0.7	87	19.6	187.5	54.5	0.9	88	17.6	187.9	53.4	1.6	100	17.6	187.9	53.4	1.6	100					
	107	C250	21.4	207.8	55.4	0.7	100	7.8	4.5	58.5	18.5	203.9	56.7	1.3	100	23.6	214.2	54.0	0.6	99	22.1	205.4	55.6	0.1	100	22.1	205.4	55.6	0.1	100					
	104	C125	18.7	209.9	55.3	0.8	94	8.1	3.7	59.0	18.0	207.2	55.0	0.4	88	20.8	217.3	54.1	0.7	98	17.3	205.2	56.9	1.4	96	17.3	205.2	56.9	1.4	96					
PIONEER 34D72	107	P250	18.5	217.9	58.8	0.7	98	7.1	3.5	59.8	17.2	223.1	*	58.0	1.0	97	20.0	222.3	*	58.4	0.5	96	18.3	208.3	60.1	0.7	100	18.3	208.3	60.1	0.7	100			
	104	P250	19.3	215.2	58.9	2.6	99	7.7	3.8	59.3	18.1	212.9	*	59.1	5.9	98	21.2	222.6	*	58.0	0.2	100	18.6	210.1	59.6	1.7	100	18.6	210.1	59.6	1.7	100			
	107	P250	20.0	212.7	60.9	1.2	94	8.1	3.8	58.9	18.7	204.9	61.4	1.8	88	21.8	228.2	*	59.7	1.5	97	19.5	204.9	61.6	0.4	97	19.5	204.9	61.6	0.4	97				
	102	P250	18.5	213.7	56.6	1.1	100	7.0	3.7	60.4	17.5	206.2	56.5	2.3	100	20.3	233.0	*	55.2	0.7	100	17.7	201.9	58.1	0.4	100	17.7	201.9	58.1	0.4	100				
	100		16.8	202.1	58.0	3.3	97	7.4	4.4	59.0	15.2	189.7	57.4	7.8	96	19.2	210.6	56.7	0.3	98	16.1	205.9	59.8	1.7	98	16.1	205.9	59.8	1.7	98					
RENK RK652LLYGCB	104		18.3	193.7	56.4	0.6	93	6.8	3.6	60.6	16.9	181.9	56.3	0.7	90	19.5	193.0	55.3	1.2	94	18.6	206.1	57.5	0.0	96	18.6	206.1	57.5	0.0	96					
	105		17.3	197.6	59.5	1.4	96	7.8	4.4	58.7	16.3	192.1	58.9	1.1	91	19.2	206.4	59.1	0.9	100	16.5	194.4	60.5	2.3	99	16.5	194.4	60.5	2.3	99					
	104		17.7	216.1	56.5	1.8	99	8.0	4.6	57.4	16.3	220.0	*	56.2	3.5	100	19.9	221.7	55.2	0.3	97	16.8	206.5	58.2	1.6	100	16.8	206.5	58.2	1.6	100				
	103	P250	18.3	204.8	55.7	1.9	94	7.8	3.3	60.1	17.3	204.9	55.4	2.8	91	20.2	202.2	54.6	1.6	92	17.3	207.2	57.1	1.3	98	17.3	207.2	57.1	1.3	98					
	106	P250	20.2	203.8	56.0	2.0	99	7.5	3.8	59.0	17.5	191.1	56.9	3.3	99	22.8	215.3	54.6	1.0	97	20.3	204.9	56.4	1.7	100	20.3	204.9	56.4	1.7	100					
RUPP XR8624	102	P250	18.8	213.6	57.6	0.6	99	7.2	3.3	60.0	17.1	210.0	*	57.5	1.0	98	20.5	217.9	56.6	0.7	100	18.9	213.0	58.7	0.0	100	18.9	213.0	58.7	0.0	100				
	103	C250	18.1	221.8	*	58.3	0.3	97	7.2	3.8	59.7	16.7	226.2	*	57.4	0.7	95	19.8	222.4	*	58.1	0.0	100	17.9	216.7	59.3	0.1	95	17.9	216.7	59.3	0.1	95		
	102	C250	18.1	207.9	56.1	2.0	98	7.2	3.6	60.6	17.1	201.5	55.8	1.4	95	20.3	215.4	54.7	2.9	99	16.9	206.7	57.7	1.7	100	16.9	206.7	57.7	1.7	100					
	103	P250	18.7	196.1	58.2	1.1	93	6.4	3.4	62.0	17.6	192.4	58.5	1.5	88	20.7	193.6	56.5	1.2	91	17.9	202.2	59.7	0.7	100	17.9	202.2	59.7	0.7	100					
	105	P250	20.1	201.4	56.1	1.5	92	7.8	4.2	59.6	17.9	189.1	56.8	2.4	93	23.5	199.5																		

BRAND / HYBRID	RM	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
VIGORO Ex434002	103 P250	18.3	222.2 *	58.1	0.9	99	7.0	3.8	60.0	16.8	222.3 *	57.8	1.3	97	21.0	233.1 *	56.3	0.8	100	17.0	211.2	60.1	0.7	99
VIGORO V43YR52	103 C250	19.7	214.0	57.6	0.4	96	7.4	3.5	60.1	18.3	206.1	57.8	0.7	92	21.2	228.5 *	56.5	0.2	98	19.6	207.3	58.4	0.4	97
VIGORO V46P42	106 C250	19.1	202.6	58.2	1.2	93	7.1	3.4	61.3	17.9	198.0	58.1	2.3	85	21.4	202.1	56.5	1.2	93	17.9	207.8	60.0	0.0	100
VIGORO V46Y41	106 C250	18.9	204.7	58.3	0.5	98	6.6	3.5	61.5	17.2	199.9	58.7	0.7	95	21.2	199.6	56.7	0.6	99	18.2	214.6	59.4	0.1	100
WELLMAN W6106	106 P250	18.4	218.3	57.3	1.2	100	6.6	3.9	60.1	16.8	207.0	57.6	3.2	100	20.4	237.7 *	56.3	0.4	100	17.9	210.2	57.9	0.1	100
AVERAGE		18.9	208.0	57.2	1.3	97	7.4	3.8	59.7	17.3	202.3	57.3	2.1	95	21.0	215.4	56.0	0.8	97	18.3	206.4	58.4	1.0	99
HIGHEST		21.6	226.4	60.9	3.3	100	8.4	4.6	62.0	19.3	232.1	61.4	7.8	100	23.6	238.6	59.7	3.0	100	22.1	233.8	61.6	4.8	100
LOWEST		16.8	156.8	54.5	0.3	69	5.9	3.3	57.4	15.2	153.3	54.8	0.0	68	18.6	140.5	53.7	0.0	56	16.1	176.5	53.4	0.0	84
CV (%)		3.5	4.8	1.3	114	4	4.6	6.5	1.2	3.0	4.4	0.7	82	5	3.6	5.4	1.3	172	4	3.3	4.5	1.5	131	2
LSD (.05%)		0.5	6.8	0.5	1.0	2	0.4	0.3	0.8	0.7	24.6	0.6	4.8	6	1.1	16.3	1.0	1.8	5	0.8	13.1	2.5	1.8	3

2 Year Averages

2 Year Averages		EARLY TRIAL AVERAGE						% QUALITY			BRANCH - EARLY					CASS - EARLY					LENAWEE - EARLY				
		%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
BRAND / HYBRID	RM	20.9	206.4	55.7	2.3	98	6.9	3.7	59.9	20.5	189.2	55.6	3.2	100	20.7	214.1 *	55.8	2.8	94	21.5	216.0 **	55.5	0.8	100	
AGRIGOLD A639TCL	106	20.6	207.7	56.4	1.1	98	7.1	3.4	60.9	19.8	210.7 *	56.6	0.8	97	20.2	214.8 *	56.7	2.6	99	21.9	197.5	56.0	0.0	98	
DAIRYLAND STEALTH-5503	105	17.2	205.2	56.8	1.4	98	7.5	3.9	59.8	15.8	204.1	56.3	2.5	99	17.9	203.9	56.8	1.5	96	18.1	207.6 *	57.4	0.3	99	
DEKALB DKC52-47 (RR2/YGCB)	102	18.3	208.5	58.6	1.1	100	7.7	4.0	59.0	18.0	204.0	58.3	1.0	100	18.4	220.3 *	58.6	0.9	99	18.5	201.2	58.9	1.5	99	
DEKALB DKC54-51 (YGCB)	104	20.2	217.4 **	57.3	1.0	99	7.7	4.3	59.3	18.8	215.5 **	57.6	1.3	99	20.2	221.9 **	57.5	1.0	100	21.6	215.0 *	56.8	0.7	100	
DEKALB DKC57-84 (YGCB)	107	18.8	200.7	57.0	0.9	98	7.2	3.7	59.7	18.0	184.0	56.5	1.0	98	18.3	206.7	57.3	1.5	97	20.2	211.3 *	57.3	0.2	100	
JUNG 6545YGCB	105	18.7	207.0	56.7	1.2	100	7.1	3.8	59.5	18.1	205.6 *	56.9	1.9	100	18.3	201.9	56.6	1.1	99	19.5	213.4 *	56.7	0.5	100	
NK Brand N50-P5	102	19.2	191.6	55.9	0.8	96	6.6	3.5	61.2	18.8	176.2	55.3	1.3	95	19.0	197.7	56.2	1.1	94	19.7	200.9	56.3	0.0	98	
RENK RK652LL YGCB	104	18.3	206.3	56.0	1.5	99	7.5	4.5	58.4	17.6	199.8	55.5	2.6	100	18.2	218.2 *	55.8	0.8	98	19.1	200.7	56.6	1.0	100	
RENK RK772YGCB	104	21.1	200.0	55.1	1.8	98	7.1	3.7	59.5	19.7	191.4	55.4	2.1	99	21.0	203.1	55.6	2.4	95	22.5	205.4	54.2	0.8	100	
RUPP XR1708	106	21.3	201.0	55.2	1.3	95	7.5	4.2	60.1	20.6	191.0	55.1	2.1	95	21.8	203.6	55.0	0.4	90	21.4	208.5 *	55.5	1.5	100	
TRELAY 7012	105	20.4	198.4	56.7	0.7	98	6.7	3.6	61.4	19.9	191.9	56.9	0.5	97	20.5	197.7	57.0	1.6	96	20.9	205.7 *	56.2	0.0	100	
VIGORO V46Y41	106	19.6	204.2	56.5	1.3	98	7.2	3.9	59.9	18.9	197.0	56.3	1.7	98	19.6	208.7	56.6	1.5	96	20.4	206.9	56.5	0.6	99	
AVERAGE		21.3	217.4	58.6	2.3	100	7.7	4.5	61.4	20.6	215.5	58.3	3.2	100	21.8	221.9	58.6	2.8	100	22.5	216.0	58.9	1.5	100	
HIGHEST		17.2	191.6	55.1	0.7	95	6.6	3.4	58.4	15.8	176.2	55.1	0.5	95	17.9	197.7	55.0	0.4	90	18.1	197.5	54.2	0.0	98	
LOWEST		5.2	-5.8	1.5	121	3	4.9	6.0	1.1	5.7	6.0	1.2	85	4	3.8	5.2	1.2	167	4	5.8	6.1	1.9	143	3	
CV (%)		0.5	5.7	0.4	0.7	2	0.3	0.2	0.6	0.9	9.9	0.6	1.4	3	0.6	9.1	0.5	1.4	3	0.9	10.4	0.9	1.0	2	
LSD (.05%)																									

3 Year Averages

3 Year Averages		EARLY TRIAL AVERAGE						% QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY					
BRAND / HYBRID	RM	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
AGRIGOLD A639TCL	106	21.3	204.6	54.6	2.4	98	7.1	3.7	59.8	20.1	194.9	55.5	3.1	100	21.8	202.7 *	54.5	2.4	95	21.9	216.3 *	53.9	1.6	99
	107	21.7	217.0 **	55.8	1.0	99	7.7	4.2	59.4	20.5	223.8 **	56.7	1.0	99	22.0	209.1 **	55.9	1.5	100	22.7	218.2 **	54.8	0.6	98
	105	19.7	202.0	56.0	0.9	98	7.4	3.7	59.7	19.0	194.2	56.2	0.9	98	18.9	196.4	56.3	1.6	97	21.2	215.4 *	55.6	0.2	100
	102	19.9	203.4	55.5	1.3	100	7.4	4.0	59.2	19.0	210.7	56.4	1.9	100	19.7	182.7	55.4	1.5	99	21.2	216.8 *	54.6	0.3	100
	104	19.1	202.8	55.2	1.5	99	7.6	4.5	58.3	17.8	196.9	55.2	2.6	100	19.2	205.6 *	55.1	1.2	98	20.2	206.0	55.2	0.8	100
RUPP XR1708	106	21.4	199.9	54.3	2.1	97	7.2	3.7	59.7	19.6	196.0	55.4	2.3	100	22.0	195.2	54.3	2.2	94	22.6	208.7	53.2	1.8	97
AVERAGE		20.5	205.0	55.2	1.5	99	7.4	3.9	59.3	19.3	202.7	55.9	2.0	99	20.6	198.6	55.2	1.7	97	21.6	213.5	54.6	0.9	99
HIGHEST		21.7	217.0	56.0	2.4	100	7.7	4.5	59.8	20.5	223.8	56.7	3.1	100	22.0	209.1	56.3	2.4	100	22.7	218.2	55.6	1.8	100
LOWEST		19.1	199.9	54.3	0.9	97	7.1	3.7	58.3	17.8	194.2	55.2	0.9	98	18.9	182.7	54.3	1.2	94	20.2	206.0	53.2	0.2	97
CV (%)		4.7	5.8	1.4	135	3	4.9	5.9	1.1	5.0	5.7	1.1	117	3	3.9	6.0	1.3	144	4	5.0	5.6	1.6	144	3
LSD (.05%)		0.4	4.6	0.3	0.7	1	0.2	0.2	0.5	0.6	7.7	0.4	1.5	2	0.5	8.4	0.5	1.1	3	0.7	7.7	0.6	0.9	2

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 1L

BRANCH, CASS & LENAWE COUNTY GRAIN TRIALS - LATE (108 Day and Later)

ZONE 1

2005		LATE TRIAL AVERAGE										% QUALITY			BRANCH - LATE				CASS - LATE				LENAWEE - LATE							
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A6454	110	P250	20.1	211.0	57.2	2.0	100	7.7	3.9	59.1	19.2	209.3	56.8	4.1	100	21.7	223.3	55.8	0.3	100	19.4	200.4	58.9	1.6	100	19.4	200.4	58.9	1.6	100
ASGROW RX668RR2/YGCB	107	P250	19.4	224.0	56.8	0.8	100	7.2	3.6	59.7	18.1	224.0	56.9	0.3	100	22.0	233.2	55.3	1.8	100	18.2	214.9	58.2	0.3	100	18.2	214.9	58.2	0.3	100
ASGROW RX715RR2	111	P250	20.5	223.5	57.0	1.1	100	8.5	4.2	58.2	19.3	224.3	56.9	1.9	100	22.7	237.4	55.6	0.9	100	19.5	208.7	58.4	0.6	100	19.5	208.7	58.4	0.6	100
BECK 5222	108	P250	20.3	222.0	56.8	1.4	100	7.4	4.0	58.9	19.1	214.1	56.8	1.6	100	22.0	232.2	55.5	1.3	100	19.7	219.8	58.2	1.3	99	19.7	219.8	58.2	1.3	99
BIO GENE BG1087LL	108		20.9	215.7	54.8	0.2	100	6.4	3.8	60.9	18.5	214.2	55.5	0.3	100	21.4	217.1	54.3	0.3	100	22.8	215.7	54.5	0.0	100	22.8	215.7	54.5	0.0	100
BIO GENE BG1119	109	P250	20.8	129.2	55.9	0.4	54	7.8	3.6	59.6	19.0	141.9	56.1	0.7	44	23.1	71.5	54.7	0.1	37	20.4	174.2	56.9	0.4	81	20.4	174.2	56.9	0.4	81
CORN BELT C599HX1.1	109	P250	22.5	230.5	55.3	0.0	96	7.3	4.2	59.0	21.3	221.5	55.1	0.1	92	24.6	243.2	53.9	0.0	100	21.6	226.9	56.8	0.0	97	21.6	226.9	56.8	0.0	97
DAIRYLAND STEAL TH-1709	109	P250	19.4	208.5	56.9	4.2	100	7.8	4.4	59.0	18.3	199.9	56.8	6.7	100	21.2	222.6	56.0	2.8	100	18.7	203.0	58.0	3.2	99	18.7	203.0	58.0	3.2	99
DAIRYLAND STEAL TH-5611	111	P250	20.9	228.4	56.0	0.7	96	7.4	4.0	59.5	19.3	225.1	56.1	1.1	91	23.5	229.7	54.3	0.8	96	20.0	230.5	57.5	0.3	100	20.0	230.5	57.5	0.3	100
DEKALB DKC58-80 (RR2/YGCB)	108	P250	19.6	210.6	56.5	1.0	94	7.9	4.1	57.8	18.2	207.6	56.5	0.7	84	21.9	215.8	54.9	0.7	99	18.8	208.4	58.1	1.6	100	18.8	208.4	58.1	1.6	100
DEKALB DKC61-45 (RR2/YGCB)	111	P250	20.2	232.6	57.5	0.3	100	8.1	3.5	59.8	18.5	234.4	58.0	0.7	99	22.5	238.5	55.4	0.0	100	19.7	225.0	59.0	0.3	100	19.7	225.0	59.0	0.3	100
DEKALB DKC61-50	111	P250	20.1	217.0	56.9	1.8	100	7.3	4.1	58.8	18.7	217.2	56.8	1.7	100	22.0	226.9	55.4	1.1	100	19.5	206.8	58.5	2.6	100	19.5	206.8	58.5	2.6	100
DEKALB DKC61-72 (RR2)	111	P250	21.1	218.4	55.8	3.0	99	8.8	4.1	58.2	19.1	218.3	56.2	3.9	97	23.0	227.7	54.9	1.9	100	21.3	209.3	56.3	3.2	100	21.3	209.3	56.3	3.2	100
DYNAGRO 56N17	108	P250	20.4	203.0	57.3	1.6	98	7.8	4.5	57.8	18.3	187.9	57.8	1.7	95	23.3	210.1	55.1	1.2	100	19.6	210.9	59.1	2.0	100	19.6	210.9	59.1	2.0	100
DYNAGRO 57B47	111	P250	20.8	227.5	56.3	0.7	92	7.5	4.2	58.9	19.0	209.5	56.8	1.4	86	22.6	246.2	55.0	0.3	96	20.7	226.9	57.2	0.3	96	20.7	226.9	57.2	0.3	96
GARST 8445	111	C250	21.7	205.5	57.7	1.8	99	7.6	3.8	59.0	20.6	196.6	58.1	3.5	96	23.6	217.5	56.4	0.8	100	20.8	202.4	58.7	1.0	99	20.8	202.4	58.7	1.0	99
GARST 8454YG1	112	C250	22.1	221.7	54.8	1.0	98	7.7	3.9	58.5	20.1	222.3	55.3	1.4	96	24.4	225.5	53.3	0.4	100	21.7	217.2	55.7	1.3	99	21.7	217.2	55.7	1.3	99
GOLDEN HARVEST H-8920	111	C250	21.2	209.9	56.7	1.0	93	8.2	3.9	58.6	19.9	207.1	56.9	1.4	89	22.4	220.4	55.7	0.1	90	21.3	202.1	57.6	1.6	100	21.3	202.1	57.6	1.6	100
GOLDEN HARVEST H-9166	113	C250	21.5	206.4	57.8	2.1	99	7.3	3.7	59.3	20.6	213.4	57.8	3.3	97	23.0	207.3	56.9	1.0	100	20.8	198.6	58.6	1.9	100	20.8	198.6	58.6	1.9	100
HIGH CYCLE HC7B716	110	P250	21.3	230.6	54.6	1.0	100	6.5	3.8	60.7	20.3	223.2	54.2	1.9	100	22.8	230.4	53.0	0.5	99	20.7	238.3	56.5	0.6	100	20.7	238.3	56.5	0.6	100
HIGH CYCLE HC8B524	114	P250	22.5	215.5	55.2	0.3	100	6.7	3.8	59.9	19.0	203.9	56.4	0.0	100	24.9	232.7	53.8	0.0	100	23.6	209.9	55.4	1.0	100	23.6	209.9	55.4	1.0	100
JUNG 6710RRY/GCB	112	P250	22.2	209.2	55.9	1.0	99	6.9	3.8	60.4	20.2	212.3	56.5	1.6	98	24.5	212.2	54.2	1.1	99	21.9	203.1	56.9	0.3	100	21.9	203.1	56.9	0.3	100
LEGACY EX310	112	C125XT	21.4	201.1	57.6	3.1	100	7.6	3.8	58.7	20.2	202.1	58.2	7.4	100	22.8	213.1	56.9	1.6	100	21.2	188.0	57.8	0.3	100	21.2	188.0	57.8	0.3	100
LEGACY EX425	108	C125XT	19.8	210.0	56.4	1.3	99	7.1	3.8	59.6	17.7	193.3	57.1	1.4	97	21.8	226.1	55.4	1.0	100	20.0	210.5	56.8	1.6	100	20.0	210.5	56.8	1.6	100
LEGACY EX475	109	C125XT	20.1	195.3	57.1	1.0	99	7.8	4.3	59.9	18.2	183.9	57.3	1.7	100	22.6	209.3	55.4	0.1	99	19.4	192.8	58.6	1.3	99	19.4	192.8	58.6	1.3	99
MYCOGEN 2D673	109	C125	20.8	210.4	55.0	0.4	98	8.0	4.0	59.5	18.5	209.5	55.6	0.6	99	23.0	225.6	53.3	0.6	96	20.8	196.1	56.1	0.0	99	20.8	196.1	56.1	0.0	99
NK Brand N65-C5	108	C250	20.4	229.4	56.3	0.5	100	7.2	4.0	59.5	19.4	233.1	56.2	0.7	100	22.9	233.6	54.4	0.5	100	19.0	221.4	58.3	0.3	100	19.0	221.4	58.3	0.3	100
NK Brand N69-P9	109	C250	21.5	209.7	57.9	1.6	99	7.6	3.8	58.7	20.4	203.1	58.4	2.6	100	22.8	228.9	56.6	0.8	97	21.3	197.1	58.6	1.3	100	21.3	197.1	58.6	1.3	100
NK Brand N71-Z3	110	C250	21.5	201.1	56.2	2.0	99	7.1	4.1	60.0	18.9	190.6	57.1	4.9	97	24.1	205.6	54.7	0.0	100	21.4	207.2	56.8	1.0	100	21.4	207.2	56.8	1.0	100
PARTNERS BRAND 578	108	C125	20.9	219.8	55.2	1.1	100	6.8	3.6	60.2	19.0	217.7	55.4	1.6	100	21.6	227.9	54.7	0.6	99	22.1	213.9	55.6	1.0	100	22.1	213.9	55.6	1.0	100
PARTNERS BRAND 584Y GCB	108	C125	21.4	201.2	54.5	1.0	100	6.6	4.3	60.2	17.8	193.0	55.4	0.3	100	23.9	209.3	53.1	2.0	100	22.4	201.4	55.0	0.7	100	22.4	201.4	55.0	0.7	100
PIONEER 33N09	114	P250	22.5	213.9	59.2	3.7	99	7.8	3.5	60.0	21.2	216.3	59.3	5.5	99	24.4	218.6	57.8	2.1	99	22.0	206.8	60.5	3.5	100	22.0	206.8	60.5	3.5	100
PIONEER 34A16	110	P250	20.0	221.3	58.0	0.7	99	7.5	4.3	58.9	18.9	224.7	57.4	0.7	99	22.2	214.9	56.7	1.2	99	19.0	224.3	60.0	0.3	100	19.0	224.3	60.0	0.3	100
PIONEER 34P88	110	P250	21.4	208.5	56.7	1.2	88	8.5	4.1	59.1	20.2	205.5	57.2	1.2	82	23.1	207.0	55.5	1.2	83	21.0	212.9	57.4	1.3	100	21.0	212.9	57.4	1.3	100
RENK RK854Y GCB	112		19.5	213.1	57.5	0.5	98	7.5	3.6	60.2	17.9	216.4	57.3	0.7	94	21.0	210.3	56.6	0.5	100	19.6	212.7	58.6	0.3	100	19.6	212.7	58.6	0.3	100

BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AVERAGE			20.8	213.0	56.5	1.3	97	7.4	3.9	59.3	19.1	209.0	56.8	1.9	95	22.7	219.2	55.1	0.8	96	20.5	210.8	57.6	1.1	99
HIGHEST			22.5	232.6	59.2	4.2	100	8.8	4.5	61.6	21.3	234.4	59.3	7.4	100	24.9	248.0	57.8	2.8	100	23.6	238.3	60.5	3.5	100
LOWEST			18.5	129.2	54.5	0.0	54	6.1	3.5	57.8	16.1	141.9	54.2	0.0	44	20.8	71.5	53.0	0.0	37	18.3	174.2	54.0	0.0	81
CV (%)			4.3	5.7	1.2	111	4	4.8	6.4	1.3	3.3	5.2	0.9	81	5	3.5	6.8	1.1	165	4	3.9	3.8	1.2	115	2
LSD (.05%)			0.6	8.2	0.5	1.0	3	0.4	0.3	0.9	0.9	15.1	0.7	2.2	7	1.1	20.9	0.8	1.9	5	1.1	22.4	1.0	1.8	5

2 Year Averages																																		
BRAND / HYBRID	RM	LATE TRIAL AVERAGE						% QUALITY			BRANCH - LATE						CASS - LATE						LENAWEE - LATE											
		%H2O	BU/A	Twt	%SL	%Sd		Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd				
BIO GENE BG1119	109	22.1	168.6	54.5	1.5	75	7.4	3.4	60.9	21.4	171.6	54.5	2.0	71	21.5	143.1	55.4	2.0	64	23.3	191.2	53.8	0.7	89										
DAIRYLAND STEALTH-5611	111	21.6	218.2	**	55.0	1.0	98	7.3	3.9	60.0	21.0	209.7	*	54.7	1.1	96	21.5	217.6	*	55.1	1.2	98	22.4	227.3	**	55.1	0.6	99						
DEKALB DKC58-80 (RR2/YGCB)	108	21.1	210.9	55.9	0.9	97	7.7	4.0	58.5	21.1	201.8	55.5	1.2	92	20.7	217.9	**	55.9	0.5	99	21.5	213.1	56.2	1.0	99									
DEKALB DKC61-50	111	22.1	206.4	55.7	1.6	100	7.1	4.0	59.7	21.3	204.0	56.0	1.9	100	21.4	214.3	*	56.2	1.2	99	23.5	200.9	54.9	1.6	100									
PIONEER 33N09	114	24.3	215.3	*	57.7	2.9	98	7.8	3.2	60.5	24.0	218.5	**	57.3	3.6	99	24.4	217.1	*	58.0	2.1	97	24.4	210.4	57.9	2.9	97							
RENK RK877YGCB	112	21.8	208.4	55.3	1.3	96	7.6	4.1	58.9	21.4	207.4	55.4	1.0	95	20.9	207.8	*	55.7	1.9	95	23.0	210.1	54.9	1.1	99									
RUPP XR1810	110	23.1	201.8	56.3	1.7	100	7.3	3.9	59.0	23.5	201.5	56.0	2.5	100	22.3	213.9	*	57.1	1.8	99	23.7	190.1	55.8	0.7	100									
VIGORO V5050	110	20.9	212.9	*	55.8	2.3	98	7.6	4.3	59.0	20.5	205.8	55.6	1.8	99	20.2	214.1	*	56.1	3.6	97	21.8	218.8	*	55.6	1.5	100							
VIGORO V50D37	110	21.8	197.7	54.8	2.1	92	7.2	3.4	60.9	22.5	207.3	54.4	1.8	94	21.0	190.6	55.4	1.6	83	22.0	195.3	54.7	2.8	98										
AVERAGE		22.1	204.5	55.7	1.7	95	7.4	3.8	59.7	21.9	203.1	55.5	1.9	94	21.5	204.0	56.1	1.8	92	22.8	206.4	55.4	1.4	98										
HIGHEST		24.3	218.2	57.7	2.9	100	7.8	4.3	60.9	24.0	218.5	57.3	3.6	100	24.4	217.9	58.0	3.6	99	24.4	227.3	57.9	2.9	100										
LOWEST		20.9	168.6	54.5	0.9	75	7.1	3.2	58.5	20.5	171.6	54.4	1.0	71	20.2	143.1	55.1	0.5	64	21.5	190.1	53.8	0.6	89										
CV (%)		5.2	6.2	1.5	107	3	4.9	6.1	1.2	5.4	5.9	1.3	76	4	3.4	6.0	1.0	147	3	5.7	6.4	1.9	114	2										
LSD (.05%)		0.5	6.3	0.4	0.7	2	0.3	0.2	0.6	0.9	10.2	0.6	1.2	3	0.6	10.7	0.5	1.3	3	1.0	11.1	0.9	1.1	2										

3 Year Averages																																			
BRAND / HYBRID		LATE TRIAL AVERAGE										% QUALITY						BRANCH - LATE						CASS - LATE						LENAWEE - LATE					
		%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	
RM		22.9	180.9 **	53.3	2.2	83	7.3	3.4	60.7	21.9	187.2 **	53.8	3.1	81	22.9	155.9 **	53.8	2.3	75	23.8	199.8 **	52.4	1.1	92											
BIO GENE BG1119		4.9	6.4	1.4	109	3	4.6	5.9	1.2	4.8	5.4	1.1	72	3	4.2	7.3	1.3	143	4	5.1	5.9	1.7	129	3											
CV (%)		0.4	5.3	0.3	0.6	1	0.2	0.2	0.5	0.6	7.6	0.4	1.0	2	0.6	10.7	0.5	1.1	2	0.7	8.3	0.7	1.0	2											
LSD (.05%)																																			

TABLE 2E - Continued from page 14 INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (100 Day and Earlier) ZONE 2

3 Year Averages																																		
BRAND / HYBRID		RM	EARLY TRIAL AVERAGE						% QUALITY			INGHAM - EARLY						KENT - EARLY						SAGINAW - EARLY										
			%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd				
BAYSIDE 1700		100	20.2	203.7	56.7	0.6	99	8.2	3.8	59.6	18.8	202.8 *	57.3	0.6	99	19.5	201.2	57.5	0.3	99	22.4	207.0	55.3	1.0	98									
BAYSIDE 1795		95	18.4	201.2	56.9	1.5	98	8.1	3.9	59.9	16.8	189.4	57.1	2.5	98	18.6	203.7	57.3	0.9	96	19.8	210.4	56.2	1.1	99									
BAYSIDE Super 93		93	18.3	200.8	56.5	1.8	99	7.4	3.8	60.7	17.0	191.1	56.8	2.6	99	18.2	204.1 *	57.1	1.5	100	19.6	207.1	55.6	1.5	99									
BROWN 5636		98	21.4	203.9	55.1	0.8	90	7.8	3.5	60.2	19.7	199.7	55.5	1.5	92	20.8	199.2	56.0	0.3	85	23.6	212.8	53.8	0.5	92									
DAIRYLAND STEALTH-1598		98	18.7	206.5	56.6	1.1	96	8.2	3.8	59.7	17.4	203.5 *	56.9	1.0	98	18.8	205.1 *	56.7	0.9	94	19.9	210.8	56.2	1.5	96									
DAIRYLAND STEALTH-5497		98	18.2	203.4	57.1	1.4	97	7.4	4.4	58.7	17.1	196.8	57.6	2.6	99	17.7	195.4	57.8	1.0	92	20.0	217.9 *	56.0	0.7	98									
DEKALB DKC47-10 (RR2/YGCB)		97	18.1	199.9	58.4	3.0	99	7.3	4.2	59.4	17.5	200.1	58.7	1.7	100	16.9	190.2	58.9	5.5	99	19.9	209.5	57.4	1.8	98									
HYLAND SEEDS HL2368		90	17.8	197.2	57.1	2.8	98	7.5	4.5	58.7	17.0	195.0	57.3	3.3	100	17.7	189.5	57.6	2.9	99	18.6	207.0	56.4	2.3	96									
HYLAND SEEDS HL2507		98	19.3	199.1	55.9	1.1	97	8.8	4.3	58.1	17.9	200.0	56.0	0.7	97	19.3	189.6	56.5	1.0	97	20.7	207.6	55.3	1.5	95									
HYLAND SEEDS HLB292		98	19.6	208.0	56.3	0.4	95	8.7	4.1	58.8	17.7	204.6 *	57.0	0.8	97	19.8	203.2	56.5	0.2	93	21.2	216.1 *	55.4	0.3	94									
NK Brand N45-A6		100	18.6	214.3 **	55.5	1.6	98	7.5	4.6	58.0	17.4	209.3 **	55.5	1.3	100	18.3	211.4 **	56.3	0.7	97	20.2	222.1 **	54.7	2.9	98									
RENK RK488YGCB		96	18.2	205.1	56.9	2.2	97	7.4	4.5	60.8	17.3	202.2 *	57.2	4.5	97	17.9	200.5	57.4	1.0	97	19.5	212.7	56.2	0.9	97									
TRELAY 4200		95	18.8	203.7	56.7	1.4	96	8.0	3.8	60.1	17.4	195.9	57.4	1.8	99	18.7	203.9 *	56.8	1.0	94	20.4	211.1	55.8	1.4	97									
AVERAGE			18.9	203.6	56.6	1.5	97	7.9	4.1	59.4	17.6	199.3	57.0	1.9	98	18.6	199.8	57.1	1.3	96	20.4	211.7	55.7	1.3	97									
HIGHEST			21.4	214.3	58.4	3.0	99	8.8	4.6	60.8	19.7	209.3	58.7	4.5	100	20.8	211.4	58.9	5.5	100	23.6	222.1	57.4	2.9	99									
LOWEST			17.8	197.2	55.1	0.4	90	7.3	3.5	58.0	16.8	189.4	55.5	0.6	92	16.9	189.5	56.0	0.2	85	18.6	207.0	53.8	0.3	92									
CV (%)			4.7	5.6	1.4	126	3	5.3	6.3	1.9	4.5	6.0	1.2	108	2	5.0	5.6	1.5	136	4	3.9	4.3	1.2	134	3									
SD (.05%)			0.3	4.4	0.3	0.8	1	0.3	0.2	0.8	0.5	7.8	0.5	1.6	1	0.6	7.5	0.6	1.2	2	0.5	6.5	0.5	1.0	2									

TABLE 2E.

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (100 Day and Earlier)

ZONE 2

2005			EARLY TRIAL AVERAGE						% QUALITY			INGHAM - EARLY						KENT - EARLY						SAGINAW - EARLY						
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A6225BtRR	100	P250	17.4	202.5	60.1	0.4	93	7.8	4.0	59.3	16.2	180.5	59.5	0.8	96	17.1	182.9	61.6	0.3	91	18.8	244.0	59.3	0.0	92	18.8	244.0	59.3	0.0	92
AGRIGOLD A6305Bt	100	P250	18.0	198.6	58.4	0.4	100	8.5	4.1	58.8	14.9	166.6	58.2	0.7	100	17.6	198.7	59.4	0.0	100	21.5	230.6	57.5	0.4	99	21.5	230.6	57.5	0.4	99
BAYSIDE 1700	100	P250	17.9	191.6	59.3	0.7	99	8.2	3.8	59.4	16.1	167.2	58.9	1.4	98	16.8	185.4	60.7	0.3	100	20.8	222.1	58.3	0.5	100	20.8	222.1	58.3	0.5	100
BAYSIDE 1795	95	P250	15.4	182.2	58.7	2.0	99	8.4	3.9	59.5	13.4	148.6	57.6	3.4	98	15.7	184.4	59.7	1.4	98	17.2	213.6	58.9	1.3	100	17.2	213.6	58.9	1.3	100
BAYSIDE 4095YGB	95	C125	16.8	204.3	60.4	1.0	99	7.8	4.8	57.7	15.0	175.8	59.6	1.0	99	16.9	198.8	62.2	1.6	99	18.6	238.3	59.3	0.3	100	18.6	238.3	59.3	0.3	100
BAYSIDE 4100	100	P250	17.6	205.4	58.5	7.1	98	7.5	3.7	61.1	15.5	174.8	59.1	13.4	99	17.0	204.7	59.5	5.5	99	20.4	236.7	57.0	2.5	96	20.4	236.7	57.0	2.5	96
BAYSIDE NorthGro NG5072RR	93	P250	15.5	191.9	58.1	3.4	99	7.7	4.2	60.2	14.1	165.0	57.5	4.6	98	15.5	190.0	59.0	2.6	99	16.9	220.6	57.7	3.0	100	16.9	220.6	57.7	3.0	100
BAYSIDE NorthGro NG5518RR	95	P250	15.9	188.5	58.9	1.2	95	8.5	3.8	59.7	13.7	152.1	58.1	0.8	93	15.6	187.1	60.3	0.7	96	18.5	226.2	58.3	2.2	96	18.5	226.2	58.3	2.2	96
BAYSIDE Super 93	93	P250	15.6	192.4	58.5	2.6	99	7.8	4.0	60.2	13.9	160.7	57.8	5.2	98	15.8	193.3	59.9	1.0	100	17.2	223.1	57.8	1.6	100	17.2	223.1	57.8	1.6	100
BROWN 5636	98	C125	18.5	209.5	57.9	1.3	98	7.6	3.7	60.0	16.8	174.1	57.6	2.9	99	17.7	210.8	59.4	0.0	96	21.1	243.6	56.6	1.1	98	21.1	243.6	56.6	1.1	98
CORN BELT C435YGB	95	P250	15.7	197.0	58.9	0.7	98	8.3	5.0	57.1	14.2	169.3	58.1	1.1	99	16.2	189.5	60.1	1.0	95	16.8	232.3	58.5	0.0	100	16.8	232.3	58.5	0.0	100
CROPLAN 314RR/Bt	92	C250	15.7	192.3	60.2	1.6	99	7.7	4.3	58.3	14.6	168.8	59.7	2.0	100	15.8	187.4	60.9	1.3	98	16.8	220.7	59.9	1.4	98	16.8	220.7	59.9	1.4	98
CROPLAN 364RR/Bt	95	C250	16.1	197.0	58.5	5.3	100	8.0	4.2	58.5	14.7	169.1	58.6	11.2	100	16.1	194.3	58.8	2.6	100	17.6	227.6	58.2	2.2	99	17.6	227.6	58.2	2.2	99
CROPLAN 412HX/LL	100	C250	18.9	215.2	57.0	1.7	100	7.6	4.1	60.2	17.0	193.3	57.3	2.9	100	17.8	209.3	58.7	1.6	100	22.0	243.1	55.0	0.7	99	22.0	243.1	55.0	0.7	99
CROPLAN 421RR/Bt	100	C250	17.0	221.3	60.2	0.3	99	8.2	4.2	58.7	14.9	186.4	59.8	0.6	100	17.1	219.0	61.4	0.3	99	19.1	258.5	59.4	0.0	99	19.1	258.5	59.4	0.0	99
DAIRYLAND STEALTH-1503	100	P250	19.0	174.6	57.4	1.4	80	8.0	3.8	59.7	15.9	160.9	57.9	1.8	90	18.6	147.3	59.0	1.3	68	22.5	215.5	55.3	1.2	82	22.5	215.5	55.3	1.2	82
DAIRYLAND STEALTH-1598	98	P250	15.8	192.7	58.8	1.4	99	7.9	3.9	60.1	14.0	160.6	57.9	2.1	100	15.9	195.5	59.5	0.3	98	17.4	221.9	59.0	1.9	98	17.4	221.9	59.0	1.9	98
DAIRYLAND STEALTH-5497	98	P250	15.9	196.0	58.9	0.9	96	8.0	4.7	57.6	14.3	172.7	58.6	1.7	100	16.2	185.1	59.9	1.1	87	17.1	230.2	58.3	0.0	100	17.1	230.2	58.3	0.0	100
DEKALB DKC42-95 (RR2Y/GB)	92	P250	16.0	199.7	59.5	0.8	99	7.9	4.0	58.8	15.2	190.4	59.4	0.7	100	16.2	181.4	60.2	0.4	99	16.7	227.4	58.9	1.4	99	16.7	227.4	58.9	1.4	99
DEKALB DKC47-10 (RR2Y/GB)	97	P250	15.7	190.1	60.0	2.8	99	7.6	4.5	58.7	14.7	173.3	59.6	0.7	100	15.8	183.2	60.5	4.8	99	16.5	213.9	59.8	2.9	100	16.5	213.9	59.8	2.9	100
DEKALB DKC48-52 (RR2)	98	P250	17.0	202.0	58.2	2.1	99	7.5	4.3	59.3	16.1	186.4	57.8	3.1	98	16.7	195.9	58.8	2.2	100	18.1	223.7	57.9	1.0	99	18.1	223.7	57.9	1.0	99
DEKALB DKC48-60	98	P250	16.2	196.0	59.9	2.7	90	7.7	4.6	59.7	15.4	193.1	59.1	4.5	95	16.1	179.3	60.1	2.9	86	17.1	215.6	59.6	0.8	89	17.1	215.6	59.6	0.8	89
DEKALB DKC50-20 (RR2Y/GB)	100	P250	16.8	213.2	59.0	0.7	100	7.6	4.1	59.7	14.7	183.6	59.1	1.0	100	16.9	210.1	59.8	1.0	100	18.7	245.9	58.2	0.0	100	18.7	245.9	58.2	0.0	100
DYNAGRO 53F09	95	P250	16.3	193.3	58.6	1.2	98	7.4	4.5	58.9	14.9	174.5	58.4	2.0	99	16.5	181.8	59.3	0.4	95	17.4	223.7	58.0	1.2	99	17.4	223.7	58.0	1.2	99
DYNAGRO 54K11	96	P250	16.0	190.1	59.1	1.4	99	7.8	3.5	60.3	14.2	166.5	58.5	1.7	100	15.8	185.8	60.2	0.7	100	18.0	218.0	58.6	1.7	97	18.0	218.0	58.6	1.7	97
DYNAGRO 54K61	97	P250	15.6	195.4	58.1	2.7	93	8.3	4.1	58.9	14.7	177.8	57.8	4.1	96	15.6	185.6	59.0	2.2	89	16.4	222.8	57.6	1.8	96	16.4	222.8	57.6	1.8	96
DYNAGRO 54P72	99	P250	16.8	205.9	57.9	1.1	100	9.2	4.4	58.0	15.7	178.2	57.4	2.0	100	15.7	195.7	59.6	0.9	100	19.0	243.8	56.8	0.4	100	19.0	243.8	56.8	0.4	100
GARST 8880YG1	95	C250	15.8	199.7	59.0	5.5	99	7.6	4.9	58.4	14.2	175.9	58.8	13.8	100	15.7	197.5	60.0	1.6	98	17.5	225.6	58.2	1.1	100	17.5	225.6	58.2	1.1	100
GARST 8881RR	95	C250	15.8	192.9	59.0	3.0	98	7.7	4.6	58.2	14.6	173.6	58.7	4.8	99	15.7	188.6	59.6	2.6	98	17.0	216.6	58.8	1.7	98	17.0	216.6	58.8	1.7	98
GOLDEN HARVEST H-6907RR	95	C250	15.7	191.9	59.1	3.1	99	7.9	4.7	58.2	14.5	174.6	58.8	4.6	100	15.8	185.1	59.7	2.3	98	16.7	216.1	58.9	2.3	98	16.7	216.1	58.9	2.3	98
GOLDEN HARVEST H-7007Bt	95	C250	15.8	200.5	58.9	4.9	97	7.4	4.5	58.8	14.4	182.6	58.7	10.7	99	16.0	196.2	59.8	3.3	98	17.0	222.6	58.2	0.6	95	17.0	222.6	58.2	0.6	95
GOLDEN HARVEST H-7299Bt/RR	98	C250	16.3	191.5	59.9	0.7	99	8.2	3.6	60.3	14.7	165.7	58.6	1.1	100	16.3	192.8	61.9	1.0	98	17.9	215.9	59.1	0.0	98	17.9	215.9	59.1	0.0	98
GRIES X590	90	P250	20.6	207.1	57.4	2.2	99	8.1	4.1	58.9	18.6	179.9	57.8	2.3	99	18.2	196.2	59.9	0.6	99	25.1	245.1	54.5	3.6	100	25.1	245.1	54.5	3.6	100
HIGH CYCLE HC5B353	100	P250	18.4	213.6	58.6	0.8	100	8.2	4.1	58.6	15.2	164.0	57.5	1.1	100	17.6	216.8	62.1	0.6	99	22.5	259.9	56.1	0.6	100	22.5	259.9	56.1	0.6	100
HIGH CYCLE HC7560YGB	100	P250	18.1	219.1	57.3	1.2	100	7.9	4.5	57.9	16.3	198.9	57.2	2.9	100	18.1	207.4	58.4	0.3	99	19.8	251.1	56.4	0.3	100	19.8	251.1	56.4	0.3	100
HYLAND SEEDS HL2368	90	P250	15.7	192.6	58.9	4.5	98	7.4</																						

BRAND / HYBRID	RM	TRI	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BUJA	Twt	%SL	%Sd	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
PARTNERS BRAND 479RRYGC	98	C125	19.0	205.2	57.8	0.8	99	7.9	3.6	59.9	16.0	172.3	57.6	1.1	100	17.8	199.8	59.8	0.0	98	23.2	243.6	56.0	1.3	98	23.2	243.6	56.0
PIONEER 37D25	97	P250	16.3	197.0	59.1	3.9	97	8.2	3.9	58.0	14.3	188.5	59.0	5.2	100	16.4	188.6	59.7	3.8	94	18.0	233.8	58.5	2.7	98	18.0	233.8	58.5
PIONEER 37F73	99	P250	17.0	210.2	58.6	2.8	98	7.8	4.0	58.9	15.1	186.6	58.7	3.9	100	16.8	198.5	59.2	3.3	96	19.3	245.4	57.9	2.1	100	19.3	245.4	57.9
PIONEER 38H64	99	P250	17.3	200.1	58.0	1.7	99	7.5	4.0	59.4	15.8	176.6	57.9	4.5	99	17.3	197.3	58.9	0.3	100	18.9	226.3	57.1	0.3	98	18.9	226.3	57.1
RENK RK452LLYGC	95		16.0	184.4	60.1	0.3	98	8.0	4.5	58.9	14.7	188.8	59.9	0.5	97	16.3	179.5	61.1	0.3	100	17.0	205.0	59.4	0.0	98	17.0	205.0	59.4
RENK RK488RR	95		15.8	188.1	59.1	2.3	94	7.6	4.7	58.2	15.0	177.7	59.2	3.7	97	15.9	171.8	59.2	1.7	90	16.4	214.9	59.0	1.6	94	16.4	214.9	59.0
RENK RK488YGC	96		15.9	198.4	58.9	3.6	96	7.6	4.7	58.7	14.8	181.3	58.6	8.5	96	16.2	195.8	59.5	0.7	97	16.7	218.2	58.5	1.5	95	16.7	218.2	58.5
RENK RK632YGC	100		17.0	208.2	58.4	1.3	98	8.0	4.2	58.9	14.6	176.9	58.4	3.0	98	16.8	205.3	59.4	0.6	98	19.5	242.4	57.5	0.4	97	19.5	242.4	57.5
RENK RK636RRYGC	102		19.0	202.8	56.8	0.3	97	8.4	4.3	59.0	16.7	177.2	56.5	0.3	99	18.5	200.4	58.3	0.3	96	21.7	230.7	55.5	0.3	97	21.7	230.7	55.5
STEYER 2050	97	P250	15.7	192.4	58.3	1.9	98	7.7	4.2	59.6	14.4	165.7	57.5	2.7	97	15.4	189.3	59.5	1.3	98	17.3	222.2	57.8	1.8	99	17.3	222.2	57.8
TRELAY 4200	95	P250	15.9	190.5	59.0	2.2	98	8.4	4.0	59.6	14.2	185.6	58.0	3.7	100	15.9	189.6	60.1	1.3	98	17.5	216.2	59.0	1.5	97	17.5	216.2	59.0
UNITY SEEDS 6100	100		15.7	179.8	58.4	3.0	99	8.4	4.3	58.8	14.3	149.5	57.3	5.6	100	15.6	177.3	59.8	0.9	98	17.3	212.7	58.1	2.6	100	17.3	212.7	58.1
VIGORO V35R66	95	P250	17.2	175.0	58.4	0.7	86	8.2	5.0	57.7	14.8	169.5	58.3	1.6	99	16.4	150.8	59.2	0.1	61	20.5	204.7	57.6	0.3	98	20.5	204.7	57.6
AVERAGE			16.7	197.3	58.7	1.9	98	8.0	4.2	58.9	15.1	172.8	58.3	3.1	99	16.5	190.4	59.8	1.4	96	18.6	228.8	57.9	1.2	98	18.6	228.8	57.9
HIGHEST			20.6	221.3	60.4	7.1	100	9.4	5.0	61.1	18.6	199.0	60.1	13.8	100	18.6	219.0	62.2	5.8	100	25.1	259.9	59.9	3.6	100	25.1	259.9	59.9
LOWEST			15.2	174.6	56.7	0.1	80	7.4	3.5	57.1	13.2	148.6	56.5	0.1	90	15.4	147.3	57.6	0.0	61	16.3	204.7	54.5	0.0	82	16.3	204.7	54.5
CV (%)			4.6	5.1	1.2	119	3	5.2	5.9	1.4	5.5	6.7	0.9	103	2	3.5	4.7	1.6	138	3	3.8	3.2	0.9	99	3	3.8	3.2	0.9
LSD (.05%)			0.5	6.8	0.5	1.5	2	0.5	0.3	0.9	1.2	16.1	0.7	4.4	6	1.6	25.1	2.7	2.7	8	1.0	20.3	0.7	1.6	4	1.0	20.3	0.7

2 Year Averages		EARLY TRIAL AVERAGE						% QUALITY			INGHAM - EARLY				KENT - EARLY				SAGINAW - EARLY							
	RM	%H2O	BUJA	Twt	%SL	%Sd	Pot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd		
BAYSIDE 1700	100	19.7	207.0	57.6	0.5	100	8.0	3.7	59.9	18.4	201.9	58.0	0.7	99	17.9	201.9	58.8	0.2	99	22.9	217.2	55.9	0.6	100		
	95	17.8	203.1	57.5	1.5	99	7.8	3.9	60.1	16.1	186.5	57.4	2.2	99	17.1	203.5	58.5	1.1	99	20.4	219.5	56.7	1.2	100		
		BAYSIDE NorthGro NG5072RR	93	17.7	202.1	57.1	1.9	100	7.3	4.0	60.8	16.6	193.8	57.6	2.5	99	16.3	195.3	57.9	1.4	100	20.2	217.1	55.9	1.7	100
		BAYSIDE NorthGro NG5518RR	95	18.6	205.0	57.0	0.8	97	8.1	3.6	60.0	16.8	181.6	57.1	0.6	97	17.2	207.6	58.2	0.7	98	21.7	225.8	55.9	1.1	98
		BAYSIDE Super 93	93	17.9	201.6	57.0	1.6	100	7.2	3.9	60.9	16.7	187.2	57.1	2.6	99	16.8	200.2	58.2	0.9	100	20.2	217.4	55.7	1.2	100
BROWN 5636	98	20.5	221.5	56.1	0.9	99	7.4	3.5	60.5	19.4	211.4 *	56.1	1.8	99	18.6	220.4	57.7	0.3	98	23.5	232.9	54.7	0.6	99		
	95	17.4	208.0	57.8	0.8	99	7.8	4.7	58.4	16.4	196.3	57.7	0.7	100	16.0	195.4	59.0	1.7	97	19.7	232.4	56.7	0.0	101		
		DAIRYLAND STEALTH-1503	100	20.8	206.9	56.0	0.9	90	7.5	3.5	60.6	18.8	202.9	56.6	1.1	95	19.0	189.9	57.5	0.7	84	24.5	227.7	53.9	0.8	91
		DAIRYLAND STEALTH-1598	98	18.2	210.9	57.3	0.9	99	8.0	3.9	59.9	17.1	198.6	57.5	1.0	100	16.9	210.4	58.0	0.5	99	20.7	223.8	56.3	1.1	99
		DAIRYLAND STEALTH-5497	98	17.5	206.5	57.9	0.7	98	7.3	4.5	58.7	16.7	196.5	58.2	1.0	100	16.1	194.8	59.1	0.8	93	19.8	228.2	56.6	0.2	100
DEKALB DKC47-10 (RR2YGC)	97	17.6	201.1	58.7	3.4	100	7.1	4.3	59.7	16.8	199.0	58.8	0.9	100	15.7	186.9	59.8	7.6	99	20.4	217.5	57.6	1.6	100		
	98	18.3	214.7	57.2	1.4	99	6.9	4.1	60.2	17.6	211.2 *	57.5	1.9	98	16.5	202.7	58.1	1.5	100	20.9	230.2	55.9	0.8	100		
		DEKALB DKC48-52 (RR2)	100	18.7	222.1	58.1	0.9	100	7.2	4.1	60.1	17.2	211.0 *	58.9	0.5	100	17.2	214.2	59.1	2.1	100	21.8	241.2	56.3	0.0	100
		DEKALB DKC50-20 (RR2YGC)	96	18.4	210.2	57.2	0.9	99	7.8	3.5	60.3	16.9	198.6	57.3	1.0	99	17.2	203.1	58.0	0.6	100	21.0	228.8	56.3	1.2	98
		DYNAGRO 54K11	95	17.5	206.0	58.1	1.7	99	7.5	4.6	58.5	16.6	199.0	58.5	2.7	100	16.3	198.4	58.9	1.4	99	19.4	220.5	57.0	0.8	99
GARST 8881RR	95	17.2	204.8	58.1	1.7	99	7.5	4.6	58.7	16.4	199.1	58.0	2.3	100	16.0	196.8	59.0	1.6	99	19.2	218.5	57.4	1.2	99		
	95	GOLDEN HARVEST H-6907RR	95	17.4	209.5	57.9	3.1	99	7.1	4.5	59.3	16.5	203.8	58.1	5.6	99	16.1	198.3	58.8	3.4	99	19.5	226.4	56.6	0.3	97
		GOLDEN HARVEST H-7007Bt	95	20.3	235.2 **	56.8	0.7	100	7.7	4.0	59.5	18.4	218.2 **	56.7	0.6	100	18.5	232.6 **	59.3	0.9	99	24.0	254.8 **	54.5	0.7	100
		HIGH CYCLE HC5B353	100	19.5	222.5	56.4	0.9	100	7.5	4.5	58.5	18.4	217.4 *	57.0	1.7	100	17.8	204.0	57.3	0.9	100	22.4	246.0	54.9	0.2	100
		HIGH CYCLE HC7560YGC	100	17.2	202.3	57.8	2.4	99	7.2	4.5	59.3	16.7	200.0	57.9	2.6	100	16.2	188.8	58.8	3.0	100	18.7	218.2	56.6	1.7	97
HYLAND SEEDS HL2368	90	18.8	202.8	56.5	0.9	96	8.6	4.4	58.3	17.0	194.6	56.9	0.4	96	17.6	186.9	57.3	1.1	97	21.9	227.0	55.4	1.2	96		
	98	HYLAND SEEDS HL2507	98	17.5	205.3	57.4	1.8	98	7.5	4.6	58.5	16.0	191.1	57.5	0.7	98	16.6	198.7	58.3	3.7	99	19.9	226.0	56.4	1.1	98
		HYLAND SEEDS HL282	92	19.5	212.3	56.6	0.1	94	8.4	4.1	59.3	17.4	202.9	57.4	0.4	96	18.5	200.9	57.2	0.0	95	22.6	233.0	55.3	0.0	93
		HYLAND SEEDS HL292	98	19.1	213.0	54.8	0.9	100	7.9	4.1	59.2	17.7	202.1	55.4	0.9	100	17.4	199.8	55.8	1.2	100	22.1	237.0	53.3	0.6	99
		NK Brand N36-R6	96	18.3	223.1	56.2	0.8	99	7.3	4.6	58.1	16.9	211.7 *	56.3	1.0	100	16.6	214.1	57.5	0.8	98	21.4	243.6	54.7	0.5	100
NK Brand N45-A6	100																									

- 2 Year Averages Continued on page 14.

- 3 Year Averages Continued on page 11.

TABLE 2E - Continued from page 13 INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (100 Day and Earlier) ZONE 2

2 Year Averages		EARLY TRIAL AVERAGE										% QUALITY					INGHAM - EARLY					KENT - EARLY					SAGINAW - EARLY												
BRAND /HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Pot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd										
RENK RK452LLYGCB	95	17.8	199.6	58.7	0.2	99	7.4	4.1	60.0	17.2	196.7	58.7	0.2	99	16.1	187.2	60.3	0.4	100	20.1	214.9	57.1	0.0	99	16.1	187.2	60.3	0.4	100										
RENK RK488RR	95	17.5	206.4	58.2	1.3	97	7.4	4.7	58.4	16.8	203.9	58.6	2.0	98	16.3	189.9	58.6	1.2	95	19.4	225.4	57.4	0.8	97	16.3	189.9	58.6	1.2	95										
RENK RK488YGCB	96	17.5	207.6	57.7	2.3	98	7.3	4.6	59.0	16.7	202.2	58.0	4.4	97	16.3	199.2	58.4	1.4	98	19.3	221.4	56.7	1.1	97	16.3	199.2	58.4	1.4	98										
RENK RK632YGCB	100	19.2	221.0	57.1	1.0	99	7.5	4.2	59.4	17.5	211.0	57.5	1.7	99	17.8	219.0	58.3	1.2	99	22.3	233.0	55.5	0.2	99	17.8	219.0	58.3	1.2	99										
STEYER 2050	97	18.0	199.3	56.8	1.3	95	7.7	4.0	60.1	16.7	188.2	57.1	1.7	94	16.8	199.1	58.0	1.0	96	20.4	210.5	55.3	1.1	97	16.8	199.1	58.0	1.0	96										
TRELAY 4200	95	18.3	210.1	57.4	1.4	99	7.8	3.8	60.3	16.7	198.3	57.8	2.0	100	17.1	206.6	58.1	1.1	99	21.0	225.4	56.2	1.1	99	17.1	206.6	58.1	1.1	99										
AVERAGE		18.4	209.7	57.3	1.3	98	7.6	4.2	59.5	17.1	200.5	57.5	1.6	99	17.0	201.5	58.3	1.4	98	21.0	227.1	56.0	0.8	98	17.0	201.5	58.3	1.4	98										
HIGHEST		20.8	235.2	58.7	3.4	100	8.6	4.7	60.9	19.4	218.2	58.9	5.6	100	19.0	232.6	60.3	7.6	100	24.5	254.8	57.6	1.7	101	19.0	232.6	60.3	7.6	100										
LOWEST		17.2	199.3	54.8	0.1	90	6.9	3.5	58.1	16.0	181.6	55.4	0.2	94	15.7	186.9	55.8	0.0	84	18.7	210.5	53.3	0.0	91	15.7	186.9	55.8	0.0	84										
CV (%)		4.2	5.2	1.3	128	2	5.2	5.8	1.3	4.6	5.5	1.1	107	2	3.9	5.0	1.4	150	2	3.3	4.3	1.2	114	3	4.6	5.5	1.1	107	2	3.9	5.0	1.4	150	2	3.3	4.3	1.2	114	3
LSD (.05%)		0.4	5.1	0.4	0.9	1	0.3	0.2	0.6	0.6	8.7	0.5	1.9	1	0.5	8.2	0.7	1.7	2	0.6	8.1	0.6	0.9	2	0.6	8.2	0.7	1.7	2	0.6	8.1	0.6	0.9	2	0.6	8.1	0.6	0.9	2

- 3 Year Averages Continued on page 11.

TABLE 2L INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - LATE (101 Day and Later) ZONE 2

2005		LATE TRIAL AVERAGE										% QUALITY					INGHAM - LATE					KENT - LATE					SAGINAW - LATE								
RM	TRT	BRAND / HYBRID	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
104	P250	AGRID GOLD A6333 AGRID GOLD A6341CL BAYSIDE 2103 BAYSIDE 4105 BAYSIDE NorthGro NG5570RR	20.1	210.1	55.7	1.6	98	7.8	4.2	58.1	17.9	189.1	55.8	1.8	98	18.9	189.5	57.9	1.7	97	23.6	251.6	53.5	1.3	100	17.9	189.1	55.8	1.8	98	18.9	189.5	57.9	1.7	97
104	P250		20.9	209.4	54.9	1.0	99	7.4	3.9	58.9	18.0	193.7	55.6	1.1	100	20.1	193.8	56.6	1.9	98	24.7	240.6	52.4	0.0	100	18.0	193.7	55.6	1.1	100	20.1	193.8	56.6	1.9	98
103	P250		18.5	203.8	57.8	1.9	96	7.8	3.6	59.7	15.5	189.0	58.1	4.7	99	18.3	190.0	59.1	0.7	92	21.8	232.3	56.1	0.3	98	15.5	189.0	58.1	4.7	99	18.3	190.0	59.1	0.7	92
105	P250		19.7	202.4	54.8	0.7	95	8.9	3.9	58.7	16.3	177.5	55.4	0.8	96	19.0	196.2	56.3	0.4	90	23.8	233.4	52.8	1.0	98	16.3	177.5	55.4	0.8	96	19.0	196.2	56.3	0.4	90
101	P250		17.6	200.3	59.3	1.1	95	7.9	3.2	60.1	15.2	185.0	59.7	1.3	98	17.6	190.5	60.0	2.0	90	20.0	225.3	58.1	0.0	98	15.2	185.0	59.7	1.3	98	17.6	190.5	60.0	2.0	90
105	P250	BAYSIDE Super 105 CORN BELT C543 CROPLAN 491BT CROPLAN 503RR2/Bt CROPLAN 576BT	19.4	207.8	56.0	2.9	95	7.9	3.8	59.7	17.3	171.0	55.4	3.5	97	18.7	211.3	58.1	2.5	91	22.1	241.2	54.5	2.7	97	17.3	171.0	55.4	3.5	97	18.7	211.3	58.1	2.5	91
104	P250		20.6	208.4	57.3	0.4	99	8.0	3.7	59.4	16.5	183.1	58.0	0.0	100	18.8	201.7	59.2	1.0	98	26.4	240.4	54.7	0.3	100	16.5	183.1	58.0	0.0	100	18.8	201.7	59.2	1.0	98
102	C250		18.1	208.9	59.6	1.7	100	8.5	4.4	57.9	15.6	180.5	59.9	4.3	100	18.4	204.3	61.1	0.7	99	20.3	241.8	57.9	0.0	100	15.6	180.5	59.9	4.3	100	18.4	204.3	61.1	0.7	99
104	C250		20.8	205.0	57.8	0.5	92	8.3	3.9	59.5	19.4	188.1	57.7	0.8	93	19.0	196.5	60.5	0.7	93	23.9	230.5	55.2	0.0	90	19.4	188.1	57.7	0.8	93	19.0	196.5	60.5	0.7	93
106	C250		21.7	227.9	55.1	0.0	98	7.6	4.4	59.1	17.7	195.2	56.3	0.1	100	21.3	231.9	56.9	0.0	98	26.1	256.6	52.1	0.0	97	17.7	195.2	56.3	0.1	100	21.3	231.9	56.9	0.0	98
108	C250	CROPLAN 591 DAHLCO DS4013BT DAHLCO DS4051BT DAIRYLAND STEALTH-1606RR DAIRYLAND STEALTH-1705	20.2	199.9	59.8	2.9	100	8.6	4.6	58.4	16.5	163.8	60.3	2.0	100	19.3	194.6	61.8	3.9	100	24.9	241.4	57.4	2.9	100	16.5	163.8	60.3	2.0	100	19.3	194.6	61.8	3.9	100
103			16.8	200.5	57.9	0.6	99	8.1	4.9	56.6	15.4	178.9	57.2	0.1	100	16.4	196.4	59.0	1.0	98	18.6	226.1	57.4	0.7	99	15.4	178.9	57.2	0.1	100	16.4	196.4	59.0	1.0	98
105			19.1	205.1	59.3	0.3	98	8.1	3.8	59.5	18.1	187.7	58.9	0.0	99	18.0	189.1	61.1	0.3	96	21.1	238.5	58.0	0.7	100	18.1	187.7	58.9	0.0	99	18.0	189.1	61.1	0.3	96
106	P250		20.8	201.9	56.0	1.4	98	7.8	3.8	59.0	16.0	174.9	57.4	2.1	100	19.9	186.2	57.7	0.7	95	26.4	244.7	53.0	1.3	99	16.0	174.9	57.4	2.1	100	19.9	186.2	57.7	0.7	95
105	P250		19.6	201.3	55.1	1.3	99	8.0	3.6	59.7	15.9	181.0	55.4	0.5	99	18.8	186.4	57.1	1.6	98	24.2	236.6	52.7	1.9	100	15.9	181.0	55.4	0.5	99	18.8	186.4	57.1	1.6	98
101	P250	DAIRYLAND STEALTH-5201 DAIRYLAND STEALTH-5204 DEKALB DKC52-23 (RR2YGCGB) DEKALB DKC52-47 (RR2YGCGB) DEKALB DKC54-51 (YGCGB)	17.3	218.1	58.4	2.1	99	8.1	4.3	59.2	15.4	193.2	58.8	5.1	100	17.1	210.4	59.1	1.0	99	19.3	250.6	57.2	0.3	99	15.4	193.2	58.8	5.1	100	17.1	210.4	59.1	1.0	99
104	P250		18.9	214.5	57.9	0.4	99	8.0	4.0	58.7	15.5	191.9	58.2	1.3	99	18.3	197.5	59.8	0.0	97	22.9	254.2	55.8	0.0	99	15.5	191.9	58.2	1.3	99	18.3	197.5	59.8	0.0	97
102	P250		17.8	210.7	58.1	1.3	98	7.6	4.6	58.7	16.4	189.5	57.5	1.4	100	18.0	209.2	59.4	1.8	94	19.0	233.3	57.4	0.7	99	16.4	189.5	57.5	1.4	100	18.0	209.2	59.4	1.8	94
102	P250		17.5	211.1	58.1	0.2	100	7.8	4.2	59.2	15.2	190.7	58.4	0.1	100	18.1	198.4	58.6	0.3	100	19.3	244.1	57.2	0.3	100	15.2	190.7	58.4	0.1	100	18.1	198.4	58.6	0.3	100
104	P250		18.6	217.6	58.8	1.1	100	8.5	4.1	58.0	16.1	195.4	59.3	2.5	100	19.4	211.2	59.5	0.0	100	20.4	246.2	57.5	0.7	100	16.1	195.4	59.3	2.5	100	19.4	211.2	59.5	0.0	100
102	P250	DYNAGRO 55P41 DYNAGRO CX05103 GARST 8590RR GARST 8665YG1 GARST 8676IT	18.7	202.3	56.5	0.6	99	8.2	4.4	58.2	16.2	168.8	56.2	1.4	100	18.4	211.5	58.1	0.3	98	21.6	226.6	55.3	0.0	100	16.2	168.8	56.2	1.4	100	18.4	211.5	58.1	0.3	98
102	P250		17.0	213.1	58.5	0.9	93	8.1	4.4	58.5	14.9	187.1	58.7	2.7	95	16.8	206.0	59.5	0.0	92	19.3	246.1	57.4	0.0	93	14.9	187.1	58.7	2.7	95	16.8	206.0	59.5	0.0	92
105	C250		19.7	204.5	57.4	1.1	99	7.1	3.7	60.6	16.8	183.6	58.1	0.0	98	18.5	195.2	59.1	1.6	99	23.8	234.7	55.0	1.6	99	16.8	183.6	58.1	0.0	98	18.5	195.2	59.1	1.6	99
104	C250		19.2	199.3	57.7	0.5	100	8.1	3.8	59.0	16.2	171.7	58.0	1.3	100	18.2	181.2	59.5	0.0	100	23.3	244.9	55.5	0.3	100	16.2	171.7	58.0	1.3	100	18.2	181.2	59.5	0.0	100
105	C250		19.8	211.8	54.8	1.7	99	8.3	3.8	58.9	16.6	192.0	52.0	1.7	100	19.7	192.3	57.6	1.7	98	23.0	251.2	54.7	1.6	99	16.6	192.0	52.0	1.7	100	19.7	192.3	57.6	1.7	98
104	C250	GARST 8689IT GOLDEN HARVEST H-8920 GREAT LAKES 5110BRR GREAT LAKES 5377BIRR GREAT LAKES 5711BT	19.5	208.0	56.1	1.5	98	8.1	4.2	58.8	16.7	192.8	56.7	1.6	99	19.6	193.6	57.2	2.7	96	22.3	237.7	54.4	0.3	97	16.7	192.8	56.7	1.6	99	19.6	193.6	57.2	2.7	96
111	C250		23.7	214.8	56.8	2.4	99	7.7	3.9	59.1	19.9	193.4	57.8	2.7	100	23.3	197.3	58.0	2.0	96	27.9	253.7	54.5	2.6	100	19.9	193.4	57.8	2.7	100	23.3	197.3	58.0	2.0	96
101	P250		20.2	212.4	57.5	1.1	97	8.1	3.8	59.3	17.4	187.8	57.6	2.6	100	20.7	211.1	58.5	0.7	93	22.5	238.3	56.4	0.0	99	17.4	187.8	57.6	2.6	100	20.7	211.1	58.5	0.7	93
103	P250		20.1	193.0	58.4	0.7	99	7.2	3.6	61.1	18.7	167.3	58.2	1.2	99	19.3	185.2	60.3	1.0	99	22.4	226.6	56.8	0.0	100	18.7	167.3	58.2	1.2	99	19.3	185.2	60.3	1.0	99
107	P250		22.3	223.8	53.6	1.5	100	7.9	4.1	58.3	18.4	199.0	54.2	3.5	100	20.6	217.1	55.6	0.7	100	27.9	255.3	51.0	0.3	100	18.4	199.0	54.2	3.5	100	20.6	217.1	55.6	0.7	100
109	P250	GREAT LAKES 5922 GREAT LAKES 5961BIRR HIGH CYCLE HC5B739 HIGH CYCLE HC5P825 HIGH CYCLE HC6N813	22.2	208.0	55.1	2.5	100	7.2	3.6	59.9	17.6	185.1	56.4	1.3	100	21.1	193.2	56.9	2.6	100	27.8	245.6	52.0	3.6	99	17.6	185.1	56.4	1.3	100	21.1	193.2	56.9	2.6	100
109	P250		22.3	216.3	55.1	0.5	97	8.1	4.0	58.7	19.1	183.3	56.1	0.2	98	21.6	203.3	56.7	1.4	93	26.2	262.4	52.5	0.0	100	19.1	183.3	56.1	0.2	98	21.6	203.3	56.7	1.4	93
105	P250		20.0	212.8	57.8	0.3	100	7.5	3.6	60.1	16.3	191.1	58.5	0.9	100	20.8	203.7	58.9	0.0	100	23.0	243.5	56.1	0.0	100	16.3	191.1	58.5	0.9	100	20.8	203.7	58.9	0.0	100
104	P250		19.8	198.6	58.3	0.8	96	7.2	3.4	61.0	17.5	177.6	58.8	1.5	100	18.9	183.7	60.3	0.7	90	23.0	234.4	55.8	0.3	98	17.5	177.6	58.8	1.5	100	18.9	183.7	60.3	0.7	90
103	P250		20.5	200.8	57.6	0.1	95	8.3	4.0	59.6	18.5	178.1	57.8	0.3	95	20.1	184.6	59.3	0.0	91	22.9	239.7	55.8	0.0	99	18.5	178.1	57.8	0.3	95	20.1	184.6	59.3	0.0	91

2005		LATE TRIAL AVERAGE						% QUALITY			INGHAM - LATE			KENT - LATE			SAGINAW - LATE		
BRAND / HYBRID	RM	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
JUNG 6545YGCB	105 P250	20.2	214.6	56.9	0.2	99	8.2	3.9	59.0	16.9	194.6 *	57.6	0.7	100	18.8	198.4	59.0	0.0	99
LEGACY 35B75	104 C125X1	19.6	210.4	56.6	0.1	94	7.2	3.8	60.3	16.6	190.6 *	57.6	0.3	98	20.0	204.2	57.6	0.0	87
MAIZELEAF ML46G02	102 P250	19.5	209.5	56.5	0.9	98	7.6	4.0	59.7	16.4	195.9 *	57.1	1.8	99	20.2	194.7	57.4	0.7	96
MYCOGEN 2D555	103 C125	19.6	212.3	57.5	0.1	100	8.1	4.3	58.7	15.9	181.0	57.9	0.1	100	19.0	208.4	59.3	0.3	100
MYCOGEN 2G626	105 C125	20.3	206.1	57.6	0.7	99	8.2	3.6	59.4	17.0	187.2 *	57.9	0.4	100	20.7	201.3	58.7	1.3	98
NK Brand N41-R9	98	18.5	182.9	58.4	0.7	100	8.8	4.6	56.2	16.2	154.5	57.7	0.8	100	19.4	183.3	59.5	0.3	100
NK Brand N50-P5	102 C250	18.0	199.0	57.4	1.1	100	8.3	4.2	58.0	15.1	178.7	56.8	0.4	100	18.1	183.2	59.4	2.9	100
NK Brand N51-Z7	104 C250	19.8	196.7	55.9	0.6	99	7.0	4.1	60.0	17.1	175.4	55.9	0.2	100	20.6	179.4	56.9	0.7	98
NK Brand N58-L8	106 C250	19.4	205.6	57.3	1.1	93	7.6	3.7	60.4	16.8	183.8	57.6	2.1	93	18.5	201.5	58.8	1.1	92
PARTNERS BRAND 525HX1	102 C125	18.8	211.8	55.9	0.6	100	8.1	3.5	59.9	16.0	180.2	56.5	0.8	99	18.7	217.0 *	57.6	0.7	100
PARTNERS BRAND 528YGCB	102 C125	19.7	207.4	57.7	0.4	99	8.4	3.8	59.5	16.3	181.6	58.9	0.8	100	19.6	205.8	58.8	0.0	99
PARTNERS BRAND 531	103 C125	18.8	193.9	57.5	2.5	99	7.7	3.6	60.2	15.5	168.7	58.2	2.3	100	17.9	181.6	59.0	3.3	98
PARTNERS BRAND 537YGCB	103 C125	18.9	208.6	57.6	0.6	100	8.3	4.1	59.1	14.7	167.6	57.8	1.1	100	18.1	200.8	59.6	0.7	100
PARTNERS BRAND 566	106	19.0	194.8	59.4	0.7	100	8.3	4.2	58.4	17.0	177.2	59.6	0.9	100	18.2	181.7	61.1	0.3	100
PARTNERS BRAND EX138	103 C125	19.3	187.7	60.8	2.9	92	8.6	4.0	58.8	16.4	164.3	60.9	5.0	97	19.4	165.5	62.4	2.4	82
PARTNERS BRAND EX180Bt	108	24.3	211.6	55.1	0.7	99	7.5	3.8	59.7	19.5	194.0 *	56.7	1.4	100	24.3	188.8	56.3	0.0	99
PIONEER 34D72	107 P250	19.1	210.8	58.0	0.2	99	7.7	3.5	59.2	15.8	175.5	58.4	0.5	100	18.5	207.6	59.6	0.0	98
PIONEER 35A30	104 P250	19.4	206.8	58.7	2.6	100	7.6	3.4	60.6	15.4	180.6	59.7	3.9	100	19.4	191.1	60.0	2.0	100
PIONEER 35Y33	107 P250	20.9	213.5	60.9	1.3	95	8.5	3.9	59.2	18.9	192.7 *	61.5	0.9	98	20.9	210.0	62.3	2.0	95
PIONEER 36W66	102 P250	18.3	209.6	57.3	1.1	99	7.7	4.2	58.8	15.2	189.1 *	58.1	1.4	100	18.4	208.0	58.1	1.3	98
RENK RK652LLYGCB	104	19.4	204.8	56.7	0.6	94	7.2	3.7	60.2	17.0	188.0 *	57.4	0.3	97	19.5	197.2	57.9	1.1	87
RENK RK684	105	18.3	189.0	59.0	0.4	93	8.4	4.0	58.9	14.7	167.2	59.5	0.4	98	18.4	180.7	60.0	0.4	85
RENK RK77YGCB	104	17.8	209.8	57.0	0.9	100	8.2	4.7	57.7	15.9	185.6 *	56.8	1.3	100	17.7	203.6	58.2	1.0	100
RUPP XR1609	101 P250	19.3	197.2	57.9	1.2	100	7.5	3.6	61.3	16.3	165.5	58.2	1.6	100	18.4	192.5	59.7	1.0	99
RUPP XR1612	103 P250	20.0	200.8	54.7	2.0	91	8.1	3.6	59.5	17.1	183.7	54.9	3.2	94	18.5	189.3	56.9	1.4	91
RUPP XR8624	102 P250	19.5	212.7	57.6	1.0	100	7.6	3.8	60.0	16.8	192.8 *	57.7	1.5	100	19.1	205.5	59.3	0.3	100
TRELAY 7012	105 P250	21.1	197.0	55.8	2.0	96	8.2	4.2	59.5	16.9	182.0	57.3	3.0	100	21.2	173.7	57.1	2.1	89
TRELAY SP651	102 P250	18.5	197.3	57.0	2.1	100	8.6	4.3	57.9	14.2	163.8	57.0	1.5	100	18.1	187.8	58.3	2.9	99
VIGORO E434002	103 P250	18.7	211.3	58.0	0.5	97	8.0	4.1	58.7	15.3	178.5	58.1	0.5	100	17.9	198.0	60.1	0.3	94
VIGORO V4160	101 P250	18.4	205.1	57.4	4.2	100	7.6	3.4	60.7	15.0	180.0	58.3	8.1	100	17.2	195.2	58.9	1.9	100
VIGORO V41H61	101 P250	19.4	209.8	57.3	2.2	100	7.9	3.4	60.3	15.5	183.2	58.4	6.6	100	19.5	198.6	58.4	0.0	100
VIGORO V43Y31	103 C250	19.4	209.7	58.7	0.3	98	8.4	4.2	58.7	17.0	190.0 *	59.1	0.0	100	18.5	199.6	60.1	0.7	95
VIGORO V43YR52	103 C250	19.3	201.2	57.6	1.3	96	7.9	3.5	59.6	15.9	173.5	57.8	3.2	99	19.4	188.3	59.1	0.4	91
VIGORO V4530	105 C250	18.2	193.2	58.5	1.8	96	7.4	3.5	60.9	16.0	171.4	58.7	2.2	100	16.9	178.4	60.2	1.8	88
VIGORO V46Y41	106 C250	19.3	200.9	58.2	0.5	98	7.2	3.8	60.5	16.7	179.4	58.5	0.8	100	18.5	187.7	60.3	0.7	97
AVERAGE		19.5	206.0	57.3	1.1	98	7.9	3.9	59.3	16.6	182.2	57.7	1.7	99	19.1	196.2	58.9	1.0	96
HIGHEST		24.3	227.9	60.9	4.2	100	8.9	4.9	61.3	19.9	199.0	61.5	8.1	100	24.3	231.9	62.4	3.9	100
LOWEST		16.8	182.9	53.6	0.0	91	7.0	3.2	56.2	14.2	154.5	52.0	0.0	93	16.4	165.5	55.6	0.0	82
CV (%)		6.1	6.0	1.7	134	3	5.0	6.6	1.4	7.0	5.9	2.4	118	2	6.5	7.2	1.3	130	4
LSD (.05%)		0.8	8.3	0.7	1.0	2	0.5	0.3	1.0	1.6	15.1	1.9	2.7	6	1.8	19.7	1.0	3.8	5

2 Year Averages		LATE TRIAL AVERAGE						% QUALITY			INGHAM - LATE			KENT - LATE			SAGINAW - LATE		
BRAND / HYBRID	RM	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE NorthGro NG5570RR	101	20.3	209.1	57.1	0.8	96	7.6	3.2	60.3	18.7	210.9	57.6	1.0	96	18.8	202.7	58.1	1.4	93
BAYSIDE Super 105	105	22.6	217.3	53.5	1.9	97	7.4	3.9	59.9	20.7	203.4	53.6	2.1	97	21.5	219.4 **	54.5	1.8	95
DEKALB DKC52-47 (RR2YGCB)	102	19.5	218.1	56.5	0.2	100	7.0	4.0	60.3	18.1	210.5	57.0	0.0	100	18.2	207.2	57.2	0.5	100
DEKALB DKC54-51 (YGCB)	104	20.6	225.3 **	57.1	0.7	100	8.1	4.1	58.7	19.1	223.0 **	57.9	1.4	100	19.4	215.1 *	57.9	0.4	100
DYNAGRO 55P41	102	20.8	211.9	55.0	0.9	100	7.4	4.2	59.3	19.1	197.5	55.1	1.0	100	19.1	211.0 *	56.2	1.6	99

TABLE 2L - Continued from page 15. INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - LATE (101 Day and Later) ZONE 2

2 Year Averages		LATE TRIAL AVERAGE						% QUALITY			INGHAM - LATE						KENT - LATE						SAGINAW - LATE					
	BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd			
	GARST 8590RR	105	22.3	213.3	55.1	0.6	99	7.1	3.7	61.0	20.6	213.1	55.7	0.1	99	20.4	212.3	56.7	1.0	100	26.0	214.4	52.9	0.8	100			
	HIGH CYCLE HC5B739	105	21.9	220.1	55.5	0.3	100	7.2	3.5	60.6	19.9	215.1	56.2	0.8	99	20.5	217.0	56.5	0.0	100	25.4	228.3	53.7	0.0	100			
	JUNG 6545YGCGB	105	22.1	217.8	55.2	0.2	100	7.5	3.7	60.1	20.3	211.5	55.6	0.7	100	19.6	211.4	57.1	0.0	100	26.4	230.6	53.1	0.0	100			
	MYCOGEN 2G626	105	22.3	214.3	55.3	0.4	100	8.0	3.8	59.7	20.2	211.5	56.1	0.4	100	20.7	210.9	56.1	0.8	99	26.0	220.6	53.8	0.2	99			
	NK Brand N50-P5	102	20.3	209.8	55.4	0.8	100	7.8	4.1	58.9	18.8	208.7	55.3	0.4	100	18.5	199.1	57.2	2.0	100	23.7	221.8	53.7	0.0	100			
	NK Brand N51-Z7	104	21.7	214.1	54.5	0.9	99	6.6	4.0	61.1	20.0	212.0	54.9	0.1	100	20.3	194.6	55.3	2.2	99	24.8	235.6	53.2	0.5	98			
	PARTNERS BRAND 625HX1	102	21.2	219.2	54.0	0.7	100	7.4	3.6	60.9	19.6	210.5	54.5	0.8	100	19.2	217.3	55.3	0.9	100	24.7	229.7	52.1	0.3	100			
	PARTNERS BRAND 628YGCGB	102	21.9	215.7	55.5	0.4	99	8.1	3.8	59.8	20.1	209.3	56.3	0.4	100	20.1	215.9	56.4	0.4	99	25.7	222.0	53.7	0.3	99			
	RENK RK652LLYGCGB	104	21.1	212.8	55.2	0.5	97	6.8	3.5	60.9	19.8	211.0	55.9	0.3	99	19.6	205.6	55.9	0.9	94	23.9	222.0	53.7	0.2	98			
	RENK RK772YGCGB	104	19.8	213.2	55.6	1.5	100	7.7	4.7	58.4	18.0	212.6	56.4	0.7	100	18.1	201.3	56.1	3.4	100	23.2	225.7	54.1	0.3	100			
	RUPP XR1609	101	21.8	212.5	55.4	1.1	97	7.3	3.6	61.4	20.0	201.7	55.8	0.8	100	20.0	206.2	56.9	1.7	91	25.6	229.7	53.6	0.7	100			
	TRELAY 7012	105	23.4	213.8	53.9	1.3	98	7.5	4.3	60.4	21.4	209.5	54.9	1.5	100	22.1	200.0	55.0	1.6	95	26.6	231.8	52.0	0.7	99			
	VIGORO V43Y31	103	21.2	215.1	56.7	1.3	99	7.9	4.2	59.4	19.6	218.8	57.3	0.2	99	19.5	200.4	58.0	3.5	97	24.6	226.1	54.7	0.2	100			
	VIGORO V4530	105	21.5	211.7	55.4	1.1	98	7.1	3.5	61.2	20.1	207.7	55.9	1.3	100	19.3	201.4	56.8	1.1	94	25.2	226.0	53.4	0.8	100			
	VIGORO V46Y41	106	22.2	211.7	55.3	0.2	99	7.2	3.7	60.7	20.2	203.7	55.9	0.4	100	20.5	203.9	56.6	0.3	99	25.9	227.5	53.4	0.0	99			
	AVERAGE		21.4	214.8	55.3	0.8	99	7.4	3.8	60.1	19.7	210.1	55.9	0.7	99	19.8	207.6	56.5	1.3	98	24.8	226.8	53.7	0.4	99			
	HIGHEST		23.4	225.3	57.1	1.9	100	8.1	4.7	61.4	21.4	223.0	57.9	2.1	100	22.1	219.4	58.1	3.5	100	26.6	237.9	55.6	1.9	100			
	LOWEST		19.5	209.1	53.5	0.2	96	6.6	3.2	58.4	18.0	197.5	53.6	0.0	96	18.1	194.6	54.5	0.0	91	22.1	213.8	52.0	0.0	98			
	CV (%)		5.4	5.9	1.6	159	3	5.6	6.0	1.3	6.1	6.1	2.1	113	3	6.1	6.7	1.4	195	4	3.4	4.1	1.1	150	2			
	LSD (.05%)		0.5	5.9	0.4	0.8	2	0.4	0.2	0.6	0.9	9.8	1.0	1.3	3	1.0	11.1	0.7	1.8	3	0.7	8.0	0.5	0.7	2			

3 Year Averages		LATE TRIAL AVERAGE						% QUALITY			INGHAM - LATE					KENT - LATE					SAGINAW - LATE				
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch		%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE Super 105	105	22.8	213.8 *	53.0	1.5	95	7.6	3.9	59.7		20.5	210.0 *	53.7	1.7	97	22.7	219.5 **	53.8	1.2	94	25.1	211.8	51.4	1.6	95
GARST 8590RR	105	22.7	209.2	54.3	1.4	98	7.5	3.9	60.4		21.1	206.4	55.1	2.5	99	21.9	212.9 *	55.4	0.8	97	25.2	208.2	52.5	0.9	99
JUNG 6545YGCGB	105	22.4	215.0 **	54.9	0.3	99	7.7	3.7	60.1		20.4	211.0 *	55.6	0.4	100	21.8	214.0 *	55.8	0.0	99	25.1	220.0 *	53.5	0.4	99
NK Brand N50-P5	102	21.0	208.1	54.5	1.5	100	7.9	4.3	58.9		19.0	209.5 *	54.7	1.6	100	21.1	203.0	55.3	1.3	100	22.7	211.8	53.5	1.6	100
NK Brand N51-Z7	104	22.0	213.6 *	54.0	0.9	99	6.9	4.0	60.9		20.8	212.5 *	54.1	0.8	100	21.7	203.9	54.7	1.6	99	23.7	224.5 **	53.3	0.3	98
RENK RK772YGCGB	104	20.4	214.7 *	54.9	1.2	99	7.9	4.6	58.4		18.8	216.3 **	55.8	0.4	100	19.9	208.7	55.1	2.3	98	22.4	219.0 *	53.9	0.9	100
TRELAY 7012	105	23.5	213.7 *	53.4	1.4	98	7.7	4.3	60.0		21.3	215.6 *	54.4	1.3	100	23.4	206.5	54.0	1.5	95	25.7	218.8 *	51.9	1.5	99
VIGORO V43Y31	103	21.2	209.2	56.2	1.3	98	8.1	4.2	59.2		19.9	213.4 *	56.9	0.2	99	20.4	203.5	57.2	2.5	97	23.4	210.8	54.7	1.2	99
VIGORO V4530	105	22.6	208.2	54.4	1.0	97	7.2	3.6	61.1		20.4	210.4 *	55.2	1.1	100	22.0	199.9	55.2	0.7	94	25.4	214.4	52.9	1.1	98
AVERAGE		22.1	211.7	54.4	1.2	98	7.6	4.1	59.8		20.2	211.7	55.0	1.1	99	21.7	208.0	55.2	1.3	97	24.3	215.5	53.1	1.1	98
HIGHEST		23.5	215.0	56.2	1.5	100	8.1	4.6	61.1		21.3	216.3	56.9	2.5	100	23.4	219.5	57.2	2.5	100	25.7	224.5	54.7	1.6	100
LOWEST		20.4	208.1	53.0	0.3	95	6.9	3.6	58.4		18.8	206.4	53.7	0.2	97	19.9	199.9	53.8	0.0	94	22.4	208.2	51.4	0.3	95
CV (%)		6.0	5.8	1.7	162	3	5.9	6.2	1.3		6.1	6.3	2.0	130	4	6.3	6.2	1.4	179	4	4.3	4.2	1.3	191	2
LSD (.05%)		0.5	4.7	0.4	0.7	1	0.3	0.2	0.5		0.8	8.4	0.8	1.2	2	0.8	8.4	0.5	1.3	3	0.7	6.6	0.5	0.9	2

1966 - 2005 Forty Years of Commitment

This year we would like to honor Bill, Ron, & Ed McCrea of Wil-le Farms of Bad Axe, Michigan. They have for the past 40 years (1966-2005) hosted our Huron County Corn Plot in the State Trials. Both grain and silage yields have been taken for the forty years. Smaller trials comparing plant population, row spacing and other new technologies have also been conducted over the years. In the early years (1966 – 1989) their location was also used as a testing site for many of the experimental varieties being developed by Dr. Elmer Rossman at MSU for use in Michigan.

Cooperation from farmers is vital to the success of the State Corn Trials and MSU wants to thank Wil-le Farms for their continued support. Forty years of cooperation is a testament to their commitment to Michigan Agriculture and its future.



Pictured from left to right are Bill McCrea and sons Ed (standing) and Ron McCrea.



The first year of variety trials on Wil-le Farms the McCrea's planted corn for use in their dairy operation. Today, they are a beef-feeding operation raising 1500 + acres of corn silage with additional acres of shelled corn, soybeans and sugar beets.



TABLE 3E.

HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (95 Day and Earlier)

ZONE 3

2005			EARLY TRIAL AVERAGE						% QUALITY			HURON - EARLY						MASON - EARLY						MONTCALM - EARLY						
BRAND /HYBRID	RM	TRT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 1795	95	P250	18.8	191.3	57.4	3.5	97	8.4	3.7	59.3	15.4	162.2	58.3	7.6	100	19.3	204.5	57.5	0.0	96	21.8	207.2	56.5	2.8	95	21.8	207.2	56.5	2.8	95
BAYSIDE 4095YGB	95	C125	18.1	215.1	59.2	2.0	99	8.0	4.4	58.0	15.6	180.9	59.8	5.6	99	18.2	227.2*	59.1	0.3	98	20.6	232.2*	58.7	0.0	99	20.6	232.2*	58.7	0.0	99
BAYSIDE NorthGro NG5072RR	93	P250	18.3	202.9	57.3	3.3	96	7.9	4.1	59.9	15.0	167.6	58.4	6.2	99	18.5	218.8*	57.1	1.1	97	21.4	227.2	56.4	2.5	92	21.4	227.2	56.4	2.5	92
BAYSIDE NorthGro NG5518RR	95	P250	19.0	197.9	57.5	2.2	89	8.9	3.5	59.1	15.7	173.5	58.7	4.2	96	19.2	210.0	57.6	0.4	86	22.1	210.3	56.2	1.9	85	22.1	210.3	56.2	1.9	85
BAYSIDE Super 93	93	P250	18.6	207.7	57.3	2.7	98	7.9	3.7	59.7	15.8	176.9	58.6	6.9	97	19.0	223.3*	56.7	0.0	98	21.0	222.9	56.5	1.3	98	21.0	222.9	56.5	1.3	98
BROWN 3000YGCB	90	C125	17.9	198.1	58.6	1.8	80	7.6	4.1	59.0	15.3	179.3	59.3	3.5	87	18.0	204.9	58.8	1.4	76	20.3	210.1	57.7	0.4	77	20.3	210.1	57.7	0.4	77
CROPLAN 314RR/Bt	92	C250	17.9	211.4	59.4	3.6	98	7.7	4.2	58.5	15.9	189.0	59.8	9.8	99	18.0	211.1	59.2	0.0	99	19.8	234.1*	59.1	1.0	97	19.8	234.1*	59.1	1.0	97
CROPLAN 334Bt	92	C250	17.2	201.9	59.1	1.5	92	7.6	4.0	58.8	15.5	184.0	59.5	4.1	98	16.9	196.9	58.7	0.4	87	19.3	224.7	59.1	0.0	90	19.3	224.7	59.1	0.0	90
CROPLAN 364RR/Bt	95	C250	18.8	216.6*	57.6	4.3	99	7.8	4.4	58.7	16.2	187.9	58.8	10.7	100	18.9	234.5*	57.4	0.4	99	21.2	227.4	56.7	1.7	97	21.2	227.4	56.7	1.7	97
DAHLCO DS3920Bt	91		17.6	210.1	58.5	3.2	90	7.3	4.1	59.0	15.5	179.1	58.9	8.9	88	17.6	217.9*	58.3	0.4	89	19.8	233.3*	58.4	0.4	92	19.8	233.3*	58.4	0.4	92
DEKALB DKC37-14 (RR2)	87	P250	16.4	172.3	59.2	7.6	98	8.6	4.4	57.5	15.2	165.7	59.9	6.2	99	16.3	148.5	58.5	14.6	96	17.8	202.6	59.3	2.0	98	17.8	202.6	59.3	2.0	98
DEKALB DKC40-05	90	P250	16.9	216.4*	58.3	1.9	98	7.1	4.3	59.5	14.7	194.4*	58.9	3.7	100	17.4	215.0	58.0	0.7	95	18.7	239.8*	57.9	1.3	99	18.7	239.8*	57.9	1.3	99
DEKALB DKC42-95 (RR2/YGCB)	92	P250	18.1	221.0*	58.4	3.8	99	7.5	3.7	59.2	15.6	186.6	59.8	9.9	98	18.2	227.6*	57.9	0.4	100	20.5	248.9**	57.5	1.0	100	20.5	248.9**	57.5	1.0	100
DYNAGRO 53F09	95	P250	18.5	205.4	57.4	2.2	88	7.5	4.6	58.9	15.5	196.0*	58.9	5.8	100	18.9	211.6	57.2	0.8	83	21.0	208.5	56.1	0.0	82	21.0	208.5	56.1	0.0	82
DYNAGRO 53F49	92	P250	18.6	190.5	58.2	1.5	83	7.6	3.9	58.6	16.4	171.9	59.2	3.0	95	18.4	196.9	57.7	0.4	78	21.0	202.8	57.6	1.2	75	21.0	202.8	57.6	1.2	75
DYNAGRO 53K98	95	P250	17.9	201.8	58.4	2.3	90	7.7	4.7	58.3	15.7	176.9	59.3	5.8	96	18.0	211.4	58.4	0.8	86	20.0	217.1	57.6	0.4	90	20.0	217.1	57.6	0.4	90
DYNAGRO 53P30	92	P250	17.8	211.4	59.0	3.6	96	7.8	4.0	58.6	15.5	193.1*	60.1	5.6	99	18.0	215.7	58.3	0.4	98	19.9	225.3	58.7	4.7	93	19.9	225.3	58.7	4.7	93
GARST 8880YG1	95	C250	18.1	224.2**	58.0	4.0	99	7.7	4.7	58.1	15.7	191.0*	59.5	11.2	98	18.0	235.7**	57.9	0.0	100	20.5	245.9*	56.5	0.7	100	20.5	245.9*	56.5	0.7	100
GARST 8921YG1/RR	90	C250	18.3	208.3	59.2	3.1	96	7.9	4.2	58.5	16.1	180.2	60.1	6.6	99	18.6	212.8	58.6	0.7	95	20.2	232.0*	59.0	2.1	93	20.2	232.0*	59.0	2.1	93
GARST 8922YG1	91	C250	17.5	216.2*	59.0	2.4	98	7.4	4.0	59.2	15.3	187.3	59.9	5.5	99	17.4	219.8*	58.6	0.8	98	19.7	241.5*	58.4	1.0	99	19.7	241.5*	58.4	1.0	99
GOLDEN HARVEST H-6565RR	90	C250	17.0	196.6	59.7	2.3	97	7.8	3.4	60.1	14.9	178.7	59.8	4.6	100	17.9	205.8	59.9	0.7	94	18.2	205.2	59.5	1.7	97	18.2	205.2	59.5	1.7	97
GOLDEN HARVEST H-6907RR	95	C250	18.2	213.3	58.1	2.2	99	7.5	4.5	59.0	15.8	181.6	59.2	5.2	100	18.7	218.0*	57.6	0.4	99	20.1	240.2*	57.5	1.0	99	20.1	240.2*	57.5	1.0	99
GOLDEN HARVEST H-7007Bt	95	C250	17.8	218.1*	58.0	3.4	95	7.5	4.5	58.6	15.3	195.2*	58.9	7.7	98	17.8	225.0*	57.8	0.4	93	20.4	234.1*	57.4	2.1	95	20.4	234.1*	57.4	2.1	95
GREAT LAKES 4206RR	92	P250	17.4	162.2	59.9	1.8	77	9.7	4.4	56.9	15.4	168.8	60.1	1.5	93	17.6	158.7	60.1	0.5	65	19.2	159.2	59.5	3.4	74	19.2	159.2	59.5	3.4	74
GREAT LAKES 4415BRR	94	P250	18.4	216.4*	58.9	0.2	90	7.8	4.4	59.0	15.2	189.1	59.9	0.5	99	19.1	231.4*	58.3	0.0	87	21.0	228.6	58.5	0.0	84	21.0	228.6	58.5	0.0	84
GREAT LAKES 4521RR	95	P250	18.4	200.5	57.9	1.6	89	8.1	4.5	58.1	15.9	186.5	59.0	3.6	98	18.7	204.8	57.7	0.4	89	20.6	210.1	57.0	0.8	80	20.6	210.1	57.0	0.8	80
GRIES X590	90	P250	22.0	205.8	55.5	7.4	95	8.6	3.8	57.9	19.1	175.5	57.6	18.3	99	21.9	213.2	55.7	0.7	89	25.1	228.8	53.3	3.3	98	25.1	228.8	53.3	3.3	98
HIGH CYCLE HC4GT21	96	P250	18.3	186.3	59.2	2.1	82	8.2	3.8	58.6	15.7	181.8	59.9	5.3	93	18.6	171.6	59.2	1.0	73	20.7	205.5	58.6	0.0	81	20.7	205.5	58.6	0.0	81
HYLAND SEEDS HL2288	85	P250	16.1	186.1	58.6	5.8	98	7.3	4.6	58.8	14.7	155.5	58.2	9.6	99	16.5	189.7	58.5	6.6	98	17.2	213.2	59.0	1.3	99	17.2	213.2	59.0	1.3	99
HYLAND SEEDS HL2368	90	P250	17.8	216.5*	57.8	2.1	96	7.8	4.5	58.5	15.2	189.0	58.7	5.0	97	18.6	225.3*	57.4	0.7	96	19.7	235.2*	57.3	0.7	95	19.7	235.2*	57.3	0.7	95
HYLAND SEEDS HLB258	85	P250	18.6	163.6	61.0	5.6	89	8.8	4.8	58.5	16.7	145.8	61.4	4.0	94	19.7	171.2	60.5	11.2	89	19.4	173.7	61.2	1.5	83	19.4	173.7	61.2	1.5	83
HYLAND SEEDS HLB264	86	P250	16.2	183.5	59.0	1.9	85	7.8	4.4	58.8	14.5	166.4	59.0	3.1	95	16.6	190.2	58.8	2.1	82	17.6	193.9	59.3	0.4	78	17.6	193.9	59.3	0.4	78
HYLAND SEEDS HLR219	85	P250	18.5	166.4	60.6	8.2	92	8.6	4.6	58.7	16.9	150.2	61.6	10.2	100	19.6	166.4	60.1	10.5	86	18.9	182.5	60.1	3.9	90	18.9	182.5	60.1	3.9	90
HYLAND SEEDS HLR228	84	P250	16.1	178.8	58.9	2.4	98	7.6	4.4	58.8	14.9	155.4	59.8	2.6	99	16.8	180.9	57.9	4.7	98	16.5	200.1	59.0	0.0	98	16.5	200.1	59.0	0.0	98
HYLAND SEEDS HLR234	90	P250	17.8	210.6	58.4	2.9	95	7.8	4.6	58.3	15.4	186.8	59.1	5.4	98	18.1	215.0	58.1	1.9	91	19.8	230.1	57.9	1.3	96	19.8	230.1	57.9	1.3	96
HYLAND SEEDS JUXXIN	90	P250	17.6	201.1	58.4	4.4	92	8.2	3.7	60.0	15.7	184.5	58.3	10.2	98	18.0	200.3	58.2	0.4	90	19.2	218.5	58.7	2.5	90	19.2	218.5	58.7	2.5	90
JUNG 6																														

BRAND / HYBRID	RM	TRT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
RENK RK488RR	95		18.0	212.9	58.4	1.3	92	7.7	4.4	58.8	15.5	187.7	59.7	2.9	95	18.5	220.3 *	57.7	0.4	92	20.0	230.6	57.7	0.7	90
VIGORO V3160	91	P250	18.0	189.5	58.6	3.0	94	8.5	3.5	59.0	15.3	159.2	60.0	5.9	100	19.3	214.2	58.0	0.7	92	19.5	195.2	57.9	2.5	91
VIGORO V32VR62	92		17.8	206.6	59.5	4.1	94	7.7	4.2	58.8	15.6	180.8	60.2	6.8	97	17.8	213.9	59.3	1.9	92	20.1	225.0	59.1	3.5	93
VIGORO V35R66	95	P250	18.3	196.1	57.6	2.4	87	7.8	4.5	58.3	15.6	190.8 *	58.6	5.4	98	18.6	201.3	57.5	1.3	83	20.8	196.3	56.7	0.4	81
AVERAGE			18.0	200.9	58.6	3.2	93	8.0	4.2	58.6	15.7	179.2	59.5	6.4	97	18.4	205.7	58.3	1.5	90	20.1	217.8	58.0	1.5	91
HIGHEST			22.0	224.2	61.1	9.3	100	9.7	4.8	60.1	19.1	202.9	61.8	23.9	100	21.9	235.7	60.9	14.6	101	25.1	248.9	61.2	9.4	100
LOWEST			16.1	162.2	55.5	0.2	77	7.1	3.4	56.3	14.5	145.8	57.5	0.5	87	16.4	148.5	55.7	0.0	65	16.5	159.2	53.3	0.0	63
CV (%)			3.5	6.2	1.4	128	5	4.1	6.7	1.1	3.4	5.4	1.9	7.7	3	4.1	6.9	1.2	282	7	2.3	5.7	0.8	162	5
LSD (.05%)			0.4	8.3	0.6	2.7	3	0.4	0.3	0.7	0.7	13.4	1.6	6.9	4	1.0	19.8	1.9	11.8	8	0.7	17.5	0.6	6.9	6

2 Year Averages																									
BRAND / HYBRID	RM	EARLY TRIAL AVERAGE						% QUALITY			HURON - EARLY					MASON - EARLY					MONTCALM - EARLY				
		%H2O	BUJA	Twt	%SL	%Sd		Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 1795	95	22.2	184.7	54.7	2.7	98	8.5	3.7	59.3	20.8	152.7	54.3	4.8	100	24.3	194.8	53.7	0.1	98	21.7	206.5	56.2	3.0	97	
BAYSIDE NorthGro NG5072RR	93	21.7	190.7	54.7	2.3	98	8.0	3.9	60.0	20.6	158.3	54.4	3.9	99	23.5	202.0 *	53.4	0.9	98	21.0	211.8	56.2	2.2	96	
BAYSIDE Super 93	93	21.8	193.5	54.3	2.4	99	8.3	3.8	59.4	20.2	160.4	54.6	5.4	99	24.0	205.7 *	52.8	0.5	99	21.2	214.4	55.7	1.3	99	
DEKALB DKC40-05	90	19.0	189.5	56.4	2.6	99	7.2	4.3	59.2	18.1	162.9	56.2	3.4	100	20.1	186.2	55.5	1.7	98	18.8	219.4	57.4	2.8	99	
DEKALB DKC42-95 (RR2YGCB)	92	21.1	199.6	55.7	2.8	97	7.6	3.8	59.1	20.5	170.6	55.6	6.4	99	22.7	205.6 *	54.5	1.0	100	20.1	222.5 *	57.2	1.0	93	
DYNAGRO 53F49	92	21.1	188.3	55.9	2.3	91	7.4	3.9	58.7	20.0	169.9	55.8	4.5	97	22.8	186.8	54.5	0.6	89	20.4	208.3	57.5	1.8	88	
DYNAGRO 53K98	95	20.8	192.2	55.6	2.3	95	7.5	4.4	58.4	20.4	166.3	55.1	5.1	98	22.0	194.6	54.5	0.9	93	20.0	215.8	57.1	1.0	95	
DYNAGRO 53P30	92	20.9	199.6	56.6	2.6	98	7.7	4.0	58.6	20.7	179.0 *	56.3	4.5	99	22.0	199.0	55.3	0.8	99	19.9	220.9	58.3	2.5	96	
GARST 8880YG1	95	21.0	206.4 **	55.1	3.2	100	7.7	4.6	57.9	20.5	177.0 *	55.0	7.3	99	22.0	211.0 **	54.2	0.6	100	20.4	231.3 *	56.1	1.8	100	
GARST 8922YG1	91	20.6	202.3 *	56.4	2.5	99	7.4	4.0	58.9	20.2	173.8 *	55.9	6.2	99	21.7	203.0 *	55.4	0.7	99	19.8	230.0 *	58.0	0.7	99	
GOLDEN HARVEST H-6565RR	90	20.0	188.2	57.5	1.8	98	8.0	3.4	59.5	18.7	171.1	56.9	3.1	100	22.1	192.2	56.6	0.9	97	19.1	201.3	58.9	1.5	98	
GOLDEN HARVEST H-6907RR	95	21.0	199.0	55.6	2.2	100	7.6	4.4	58.6	20.5	171.8 *	55.1	4.1	100	22.6	200.5	54.4	0.8	100	20.0	224.6 *	57.3	1.8	100	
GOLDEN HARVEST H-7007Bt	95	20.6	203.8 *	55.4	3.7	98	7.6	4.5	58.2	19.8	179.1 **	54.8	7.2	99	22.1	207.1 *	54.3	0.6	97	20.1	225.3 *	57.2	3.3	97	
GREAT LAKES 4521RR	95	21.0	192.7	55.4	2.0	94	8.0	4.5	57.8	20.2	174.0 *	55.2	3.5	99	22.7	195.0	54.3	1.2	95	20.3	209.2	56.8	1.2	90	
HYLAND SEEDS HL2368	90	21.1	198.8	55.1	1.8	98	7.7	4.5	58.1	20.5	173.1 *	54.4	3.2	98	22.9	204.5 *	53.9	1.0	98	19.8	218.8	57.1	1.3	97	
JUNG 6432YGCB	95	21.0	200.9	55.1	2.7	99	7.4	4.3	58.9	20.4	170.3	54.3	6.0	99	22.1	201.1	54.5	0.8	99	20.4	231.4 **	56.4	1.1	99	
LEGACY 37184	94	20.9	189.1	55.1	2.7	93	7.7	4.3	58.6	19.8	167.5	54.7	4.7	97	22.6	187.9	53.9	1.0	90	20.3	212.0	56.6	2.6	90	
NK Brand N3030Bt	93	21.0	185.9	56.2	7.0	97	8.3	4.3	58.7	19.9	173.1 *	56.4	15.1	100	22.6	187.8	55.0	1.6	95	20.5	197.0	57.3	4.3	96	
NK Brand N35-B8	95	21.2	194.5	55.4	4.1	96	7.8	4.4	57.7	19.9	168.2	56.4	6.6	97	23.3	193.5	53.2	1.5	95	20.4	221.8	56.5	4.1	96	
PIONEER 38W22	92	20.9	178.9	58.5	6.0	98	8.6	3.8	57.8	19.7	159.8	58.2	4.0	100	23.0	184.9	57.5	1.6	96	20.0	192.0	59.7	12.3	98	
RENK RK438RRYGCB	92	21.2	195.8	56.9	2.2	98	7.7	4.1	58.7	20.6	174.0 *	56.3	5.0	99	22.7	194.1	55.7	0.7	96	20.3	219.3	58.7	0.8	98	
RENK RK438YGCB	92	20.8	190.9	56.2	2.6	93	7.6	4.0	58.7	20.0	170.4	55.6	4.6	99	22.4	187.9	55.3	1.0	89	20.0	214.4	57.8	2.2	90	
RENK RK488RR	95	20.8	198.4	55.8	2.0	96	7.6	4.3	58.4	20.1	175.7 *	55.7	3.4	98	22.3	203.0 *	54.3	1.4	96	19.9	216.7	57.3	1.2	95	
AVERAGE		20.9	194.1	55.8	2.9	97	7.8	4.1	58.7	20.1	169.5	55.5	5.3	99	22.5	196.9	54.6	0.9	96	20.2	215.8	57.3	2.4	96	
HIGHEST		22.2	206.4	58.5	7.0	100	8.6	4.6	60.0	20.8	179.1	58.2	15.1	100	24.3	211.0	57.5	1.7	100	21.7	231.4	59.7	12.3	100	
LOWEST		19.0	178.9	54.3	1.8	91	7.2	3.4	57.7	18.1	152.7	54.3	3.1	97	20.1	184.9	52.8	0.1	89	18.8	192.0	55.7	0.7	88	
CV (%)		3.8	5.4	1.4	112	4	4.1	6.6	1.1	4.5	5.1	1.7	7.0	2	3.8	5.7	1.3	222	5	2.6	5.2	0.9	140	4	
LSD (.05%)		0.4	5.0	0.4	1.6	2	0.3	0.2	0.6	0.7	7.3	0.8	3.2	2	0.7	9.4	0.6	2.7	4	0.4	9.2	0.4	2.3	3	

3 Year Averages																															
BRAND / HYBRID		RM	EARLY TRIAL AVERAGE						% QUALITY			HURON - EARLY					MASON - EARLY					MONTCALM - EARLY									
			%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
	BAYSIDE 1795	95	23.7	180.2	53.2	2.8	96	8.3	3.5	59.6	21.6	151.7	53.3	4.8	98	25.5	193.0	52.2	1.0	95	23.8	195.8	54.0	2.7	94						
	BAYSIDE NorthGro NG5072RR	93	22.6	186.1	53.6	2.4	97	8.0	3.8	60.0	21.0	160.5	53.9	3.5	99	24.2	199.2 *	52.5	1.0	98	22.7	198.7	54.4	2.6	94						
	BAYSIDE Super 93	93	22.8	187.8	53.1	2.2	97	8.0	3.7	59.8	20.6	160.8	53.8	4.6	98	24.8	199.8 *	51.6	0.6	98	23.1	202.8	53.8	1.6	95						
	DEKALB DKC42-95 (RR2YGCBB)	92	22.4	194.7	54.3	2.2	98	7.6	3.8	59.0	21.4	170.1	54.6	5.1	99	23.7	202.7 *	53.2	0.8	100	21.9	211.3	55.2	0.9	95						
	DYNAGRO 53F49	92	22.1	188.9	54.8	1.7	93	7.2	3.8	59.1	20.7	171.1	55.3	3.3	98	23.7	191.3	53.5	0.5	92	22.0	204.2	55.8	1.2	88						
	DYNAGRO 53K98	95	22.2	189.6	54.1	2.2	93	7.5	4.4	58.3	21.5	168.4	54.3	4.2	95	23.2	197.6 *	53.0	1.2	93	22.0	202.8	54.9	1.3	92						
	DYNAGRO 53P30	92	22.0	195.5	55.4	2.1	96	7.7	4.0	58.4	21.3	178.0 **	55.4	3.4	97	23.1	199.2 *	54.3	0.9	97	21.7	209.3	56.6	2.0	94						
	GARST 8880YG1	95	22.2	201.4 **	53.6	2.3	99	7.6	4.5	58.1	21.1	175.8 *	54.2	4.9	99	23.3	204.7 **	52.5	0.4	99	22.3	223.7 **	54.1	1.6	99						

- 3 Year Averages Continued on 20.

TABLE 3E - Continued from page 19. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (95 Day and Earlier) ZONE 3

3 Year Averages		EARLY TRIAL AVERAGE						% QUALITY			HURON - EARLY				MASON - EARLY				MONTCALM - EARLY					
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
HYLAND SEEDS HL2368	90	22.0	193.7	53.9	1.8	98	7.5	4.3	58.5	20.6	168.6	54.1	3.1	99	23.7	203.1 *	52.6	0.9	98	21.7	209.5	55.0	1.3	97
JUNG 6432YGCGB	95	22.2	196.2	53.6	2.1	99	7.3	4.3	58.8	21.0	170.4	54.1	4.4	100	23.4	197.8 *	52.7	0.9	99	22.4	220.3 *	54.2	1.0	99
NK Brand N3030Bt	93	22.1	187.5	55.0	5.1	98	8.4	4.2	58.6	20.8	174.9 *	55.7	10.7	100	23.6	191.5	53.6	1.3	97	22.0	196.2	55.7	3.3	97
NK Brand N35-B8	95	22.7	191.7	53.9	3.1	97	7.9	4.3	57.8	20.4	168.2	55.8	4.9	97	24.8	191.8	51.7	1.4	97	22.9	215.2	54.2	3.0	97
RENK RK438RRYGCGB	92	22.4	191.4	55.5	1.7	97	7.6	3.9	58.9	21.5	170.7	55.4	3.9	97	23.9	191.8	54.3	0.5	96	21.9	211.8	56.9	0.9	97
AVERAGE		22.4	191.1	54.2	2.4	97	7.7	4.0	58.8	21.0	168.4	54.6	4.7	98	23.9	197.2	52.9	0.9	97	22.3	207.8	55.0	1.8	95
HIGHEST		23.7	201.4	55.5	5.1	99	8.4	4.5	60.0	21.6	178.0	55.8	10.7	100	25.5	204.7	54.3	1.4	100	23.8	223.7	56.9	3.3	99
LOWEST		22.0	180.2	53.1	1.7	93	7.2	3.5	57.8	20.4	151.7	53.3	3.1	95	23.1	191.3	51.6	0.4	92	21.7	195.8	53.8	0.9	88
CV (%)		4.3	5.3	1.5	108	4	4.0	6.4	1.1	5.6	5.2	1.8	70	3	3.7	5.5	1.4	198	4	3.2	5.0	1.0	130	5
LSD (.05%)		0.3	4.0	0.3	1.2	1	0.2	0.2	0.5	0.7	6.0	0.7	2.4	2	0.5	7.3	0.5	1.8	3	0.5	7.1	0.4	1.7	3

TABLE 3L. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - LATE (96 Day and Later) ZONE 3

2005			LATE TRIAL AVERAGE						% QUALITY			HURON - LATE						MASON - LATE						MONTCALM - LATE					
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd				
BAYSIDE 1700	100	P250	20.0	196.6	57.3	1.9	97	9.1	3.9	58.4	16.0	163.7	59.0	2.5	99	20.8	212.4	57.0	1.4	99	23.1	213.8	56.0	1.7	93				
BAYSIDE 2103	103	P250	21.0	211.8	55.9	5.7	95	8.1	3.4	59.3	16.9	180.4	58.3	4.7	100	22.1	237.5	54.6	1.2	94	24.1	217.6	54.9	11.1	91				
BAYSIDE 4100	100	P250	20.1	205.7	57.1	1.9	93	7.8	3.4	60.3	16.6	176.0	58.5	4.4	94	22.4	208.6	55.8	0.4	91	21.4	232.6	56.9	1.0	94				
BAYSIDE NorthGro NG5570RR	101	P250	20.5	190.3	57.0	3.2	87	9.4	3.6	57.9	17.5	161.3	58.4	1.3	95	21.4	213.4	56.2	1.8	92	22.7	196.2	56.3	6.5	74				
BROWN 5636	98	C125	21.1	200.0	55.6	3.0	91	8.1	3.6	59.6	17.1	167.8	57.8	1.9	98	22.3	220.9	54.7	0.4	91	24.0	211.4	54.3	6.6	83				
CROPLAN 412HX/ILL	100	C250	21.0	210.4	55.2	1.0	100	8.4	3.8	59.5	16.5	165.9	57.1	2.1	100	22.8	226.6	54.4	0.4	100	23.8	238.6	54.0	0.4	99				
CROPLAN 421RR/Bt	100	C250	19.0	225.3	59.0	0.9	99	8.3	4.2	58.6	15.0	182.1	60.1	1.8	100	20.1	245.1	58.6	0.0	99	22.0	248.8	58.2	0.8	97				
CROPLAN 491Bt	102	C250	20.1	215.8	58.5	1.9	99	8.1	3.9	58.3	16.6	171.3	60.0	4.9	99	21.0	223.1	57.8	0.0	100	22.8	252.9	57.8	0.8	98				
DAHLCO DS2482Bt	96	P250	18.9	209.5	57.7	1.6	98	7.5	4.6	58.5	16.0	185.7	59.1	4.2	100	20.0	207.8	56.3	0.4	97	20.7	234.9	57.7	0.3	96				
DAIRYLAND STEALTH-5497	98	P250	17.8	214.1	58.0	0.8	99	7.4	4.3	58.9	15.2	173.7	58.9	1.1	100	18.1	218.5	57.6	0.4	98	20.1	250.0	57.4	0.8	100				
DAIRYLAND STEALTH-6503	103	P250	21.8	200.7	55.7	4.7	95	8.6	3.5	59.2	18.1	168.6	57.9	5.9	97	23.5	223.8	54.1	1.5	94	23.9	209.6	55.0	6.8	94				
DEKALB DKC47-10 (RR2/YGCb)	97	P250	18.4	207.4	59.0	1.5	99	7.5	4.2	58.8	15.6	170.7	59.4	0.3	100	19.3	216.4	58.5	0.7	99	20.2	235.1	59.1	3.4	97				
DEKALB DKC48-52 (RR2)	98	P250	17.9	209.0	57.7	3.7	96	7.5	3.8	59.2	15.0	177.7	58.9	5.1	97	19.2	227.0	56.7	0.4	99	19.6	222.2	57.6	5.7	91				
DEKALB DKC48-60	98	P250	19.0	182.0	58.3	1.7	77	7.8	4.4	59.5	15.5	168.9	60.0	3.6	90	19.8	200.0	57.7	0.8	84	21.8	177.0	57.2	0.6	56				
DYNAGRO 54K11	96	P250	19.4	199.5	57.2	2.7	99	8.7	3.6	59.3	15.9	165.0	58.8	2.5	100	20.6	214.4	56.2	0.0	99	21.6	219.1	56.7	5.6	98				
DYNAGRO 54K61	97	P250	18.0	188.8	57.3	3.0	81	8.5	4.3	58.4	15.6	169.9	58.0	3.7	92	19.4	193.4	56.7	1.9	74	19.0	203.2	57.2	3.3	76				
GREAT LAKES 4689BRR	96	P250	20.3	210.1	58.3	2.6	96	8.4	4.4	58.5	16.0	170.0	59.9	4.1	100	22.3	216.6	57.2	0.8	93	22.6	243.7	57.9	3.0	94				
GREAT LAKES 5110BRR	101	P250	22.0	203.8	55.6	8.0	96	8.5	3.7	58.9	17.8	171.0	57.8	10.5	98	23.1	221.6	54.2	3.5	97	25.2	218.8	54.8	10.1	92				
HIGH CYCLE HC5P947	99	P250	20.6	220.0	57.2	1.8	98	8.0	4.4	58.7	17.3	180.9	59.0	3.7	96	20.8	224.0	56.7	0.4	99	23.6	255.0	55.8	1.4	99				
HIGH CYCLE HC7454YGCb	98	P250	18.8	202.7	57.5	1.1	94	7.3	4.4	59.1	15.9	176.1	58.8	2.8	100	19.9	206.3	56.5	0.4	93	20.6	225.6	57.2	0.1	88				
HIGH CYCLE HC7560YGCb	100	P250	19.4	226.1	56.3	1.8	98	7.5	4.4	58.6	16.2	173.2	57.9	2.6	93	20.3	246.9	55.1	0.4	100	21.8	258.3	55.8	2.3	99				
HYLAND SEEDS HLR257	99	P250	19.3	188.4	57.5	2.5	90	8.9	3.9	58.4	15.3	174.9	58.7	3.3	96	21.3	198.2	56.6	0.4	89	21.4	192.1	57.1	3.8	86				
JUNG 6499YGCb	98	P250	19.7	208.4	56.3	2.8	99	7.7	4.6	58.3	15.8	172.4	57.6	6.4	100	20.9	212.1	55.0	0.0	99	22.3	240.7	56.2	2.1	97				
LEGACY 36H67	96	C125X	19.4	200.6	57.3	1.7	100	7.5	3.5	60.7	15.9	155.3	58.8	3.2	100	20.9	212.4	56.2	0.7	100	21.4	234.1	56.9	1.3	99				
MAIZELEAF ML45Y95	95	P250	18.0	212.2	57.3	1.7	99	8.2	3.8	59.2	15.0	173.7	58.4	1.4	100	19.0	217.1	56.3	0.4	99	20.1	245.8	57.2	3.2	98				
MYCOGEN 2A498	99	C125	19.3	216.3	57.5	1.3	97	7.6	3.8	59.5	16.2	190.2	58.6	1.2	100	20.7	222.1	56.8	0.0	95	21.0	236.6	57.2	2.7	95				
MYCOGEN 2R426	96	C125	18.0	212.4	58.1	1.0	100	7.5	4.7	58.8	15.7	172.7	58.8	2.4	99	18.7	213.0	57.4	0.4	100	19.6	251.6	58.0	0.1	100				
NK Brand N41-P1	98		20.3	199.1	57.0	1.2	98	8.4	4.1	58.6	17.3	176.3	58.4	2.2	98	20.6	201.3	56.2	0.4	99	23.1	219.8	56.3	1.0	98				
NK Brand N41-R9	98		19.7	197.1	57.9	4.6	100	8.9	4.1	57.6	16.5	177.1	59.1	1.2	100	20.6	200.4	57.3	0.7	99	21.9	213.9	57.3	11.8	100				
NK Brand N45-A6	100	C250	18.1	219.0	56.9	1.3	99	7.8	4.4	57.6	15.2	193.4	57.6	2.9	100	19.6	230.6	55.8	0.0	99	19.5	233.0	57.3	1.1	97				
PARTNERS BRAND 479	98	C125	21.0	202.6	55.6	1.9	91	8.4	3.7	59.2	16.9	169.1	57.9	1.7	99	22.2	223.7	54.5	0.4	88	23.8	215.0	54.4	3.7	87				
PARTNERS BRAND 479RRYGCb	98	C125	22.6	204.0	55.3	6.5	95	8.6	3.7	58.9	19.5	166.6	56.9	9.8	96	23.4	229.3	54.5	0.7	99	25.0	216.2	54.4	9.1	89				
PARTNERS BRAND EX4538231Bt	97	P250	18.7	185.4	60.4	2.4	81	8.6	4.2	58.1	16.4	168.3	61.4	7.1	95	19.3	193.9	59.7	0.0	79	20.5	193.9	60.1	0.0	70				
PIONEER 37D25	97	P250	18.5	198.5	58.0	2.5	91	8.9	3.9	57.4	15.1	172.9	59.2	1.4	98	20.0	218.7	57.9	0.4	90	20.3	204.0	56.8	5.7	86				
PIONEER 37F73	99	P250	19.4	209.5	58.0	2.6	98	8.1	3.6	59.1	16.5	191.6	59.1	3.1	99	20.7	216.7	56.9	0.4	100	21.0	220.3	58.1	4.3	96				

BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
PIONEER 38B85	96	P250	18.7	199.1	58.5	2.1	97	8.4	4.0	57.6	15.7	179.1 *	59.9	3.6	100	19.9	209.3	57.5	0.0	93	20.4	209.0	58.0	2.6	97
PIONEER 38H64	99	P250	19.1	211.6	56.6	0.6	99	7.5	3.6	58.4	16.0	181.5 *	58.2	1.9	100	19.7	219.6	55.7	0.0	100	21.6	233.6	55.9	0.0	97
RENK RK488YGCB	96		18.2	211.8	58.0	1.2	95	7.7	4.5	58.6	15.0	186.6 *	59.0	3.3	96	19.4	210.5	57.2	0.4	97	20.1	238.4	57.9	0.0	91
RENK RK632YGCB	100		20.8	203.0	55.8	1.4	92	8.4	4.0	58.8	17.0	161.1	57.7	2.6	96	20.7	211.3	55.8	0.4	90	24.6	236.7	53.9	1.3	91
RENK RK636RRYGCB	102		20.9	192.8	56.4	2.0	90	7.6	4.0	59.3	16.7	132.3	57.9	4.0	99	21.7	212.9	55.8	0.8	87	24.3	233.1	55.5	1.2	86
RENK RK684	105		21.4	183.1	57.2	1.9	93	8.9	4.1	58.7	19.8	154.0	57.9	2.0	97	21.7	196.2	56.8	0.4	93	22.7	199.1	57.0	3.3	89
RENK RK72YGCB	104		19.6	220.0 *	56.0	0.7	98	7.5	4.3	58.3	16.5	176.6 *	57.2	0.8	98	20.7	240.5 *	55.0	0.4	99	21.7	242.8 *	55.9	1.0	97
RUPP XR1609	101	P250	21.6	208.0	56.1	1.6	98	7.7	3.3	60.7	17.5	174.4	58.4	1.4	100	22.7	209.1	54.7	0.4	99	24.5	240.4	55.3	2.9	96
RUPP XR1612	103	P250	22.0	200.5	53.4	1.7	95	8.8	3.6	59.1	19.2	174.3	54.9	3.5	95	23.0	200.7	52.5	0.4	96	23.9	226.6	52.7	1.3	93
VIGORO EX434002	103	P250	20.9	218.9 *	56.7	0.8	97	8.5	3.9	58.5	16.8	185.4 *	59.2	0.6	99	22.4	237.9 *	56.0	1.1	99	23.5	233.5	55.0	0.7	94
VIGORO V4160	101	P250	21.4	197.7	55.4	2.4	93	7.8	3.3	59.9	16.8	160.3	57.1	3.5	98	23.8	209.8	54.4	0.8	91	23.5	222.9	54.8	3.0	91
VIGORO V41H61	101	P250	21.1	210.7	55.5	1.1	100	7.8	3.2	59.9	16.3	167.7	57.3	2.4	100	22.6	227.5	54.3	0.7	100	24.3	237.0	54.8	0.1	100
VIGORO V43Y31	103	C250	20.9	196.6	57.5	0.9	94	8.8	4.3	58.3	16.6	169.0	60.0	1.6	98	23.0	217.9	55.7	0.0	96	23.2	203.0	56.9	1.1	88
AVERAGE			19.9	204.9	57.0	2.2	95	8.1	4.0	58.9	16.4	172.4	58.5	3.2	98	21.0	216.6	56.2	0.6	95	22.2	225.8	56.4	2.9	92
HIGHEST			22.6	226.1	60.4	8.0	100	9.4	4.7	60.7	19.8	193.4	61.4	10.5	100	23.8	246.9	59.7	3.5	100	25.2	258.3	60.1	11.8	100
LOWEST			17.8	182.0	53.4	0.6	77	7.3	3.2	57.4	15.0	132.3	54.9	0.3	90	18.1	193.4	52.5	0.0	74	19.0	177.0	52.8	0.0	56
CV (%)			5.2	6.5	1.3	144	4	3.7	6.4	1.1	6.8	7.8	1.3	127	3	4.3	6.2	1.3	189	4	2.9	5.5	1.2	122	4
LSD (.05%)			0.7	8.9	0.5	2.1	2	0.4	0.3	0.8	1.6	18.8	1.0	5.7	4	1.3	18.8	1.0	3.0	11	0.9	17.5	0.9	5.0	11

2 Year Averages

BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	% QUALITY	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 1700	100		23.1	187.3	54.7	1.8	98	8.9	3.8	58.6	21.1	154.9	54.8	1.7	100	25.9	190.9	53.0	2.0	99	22.4	216.0	56.4	1.7	96
BROWN 5636	98		24.3	192.9	53.3	2.4	95	8.1	3.5	59.3	22.8	156.9	53.1	1.7	99	27.1	202.2	51.9	0.7	95	23.0	219.6	54.9	4.8	91
DAIRYLAND STEAL TH-5497	98		21.2	197.3	54.9	1.7	99	7.5	4.4	58.5	20.5	165.4 *	54.5	2.2	100	22.8	201.1	53.8	0.4	99	20.3	225.5 *	56.4	2.4	99
DEKALB DKC47-10 (RR2Y/GCB)	97		21.1	196.4	56.4	2.6	99	7.4	4.0	59.0	20.5	165.2 *	55.7	1.2	100	22.7	199.7	55.0	2.1	100	20.2	224.2	58.5	4.6	99
DEKALB DKC48-52 (RR2)	98		21.4	194.9	54.9	2.2	96	7.3	3.8	59.4	21.3	165.4 *	54.4	2.7	98	22.9	202.9	53.4	0.2	99	20.0	216.6	56.8	3.7	92
HIGH CYCLE HC7560YGCB	100		23.3	204.2 **	53.5	4.4	99	7.9	4.5	58.2	23.1	163.4 *	52.9	1.3	97	24.8	214.7 *	52.2	1.9	100	22.1	234.5 **	55.4	9.9	100
MYCOGEN 2R426	96		21.3	198.9 *	55.1	1.2	100	7.4	4.4	58.7	21.0	165.9 *	54.3	1.8	100	23.1	201.2	53.8	0.4	100	19.8	229.6 *	57.2	1.5	100
NK Brand N45-A6	100		22.2	203.0 *	53.8	1.7	99	7.9	4.6	57.1	22.0	169.1 **	53.0	2.1	100	24.5	209.6 *	52.4	0.6	98	20.0	230.2 *	56.1	2.4	98
PIONEER 38B85	96		20.9	187.8	56.8	2.0	98	8.3	4.0	58.0	20.0	163.2 *	56.9	3.1	100	22.4	200.1	55.6	1.0	97	20.4	200.2	58.0	1.8	98
RENK RK632YGCB	100		23.8	192.7	53.4	2.4	96	8.1	4.1	58.7	23.0	151.3	52.9	2.0	98	25.1	203.7	52.5	0.5	95	23.4	222.9	54.8	4.6	94
RENK RK636RRYGCB	102		24.5	187.2	53.2	3.0	95	7.8	4.1	58.9	23.7	135.4	53.0	2.9	99	26.2	199.6	51.9	1.8	93	23.6	226.5 *	54.7	4.4	93
RUPP XR1609	101		25.5	195.9	53.1	1.3	99	7.7	3.4	60.4	23.7	162.4 *	53.5	1.4	100	27.7	198.0	51.8	0.6	99	25.2	227.5 *	54.2	2.0	98
VIGORO V43Y31	103		24.2	188.6	54.7	2.0	97	8.7	4.2	58.2	23.7	154.6	54.9	1.7	99	26.7	202.8	52.7	0.0	98	22.2	208.3	56.6	4.3	94
AVERAGE			22.8	194.4	54.4	2.2	98	7.9	4.1	58.7	22.0	159.5	54.1	2.0	99	24.8	202.0	53.1	0.9	98	21.7	221.7	56.1	3.7	96
HIGHEST			25.5	204.2	56.8	4.4	100	8.9	4.6	60.4	23.7	169.1	56.9	3.1	100	27.7	214.7	55.6	2.1	100	25.2	234.5	58.5	9.9	100
LOWEST			20.9	187.2	53.1	1.2	95	7.3	3.4	57.1	20.0	135.4	52.9	1.2	97	22.4	190.9	51.8	0.0	93	19.8	200.2	54.2	1.5	91
CV (%)			4.8	5.9	1.3	130	3	3.8	5.7	1.1	5.9	6.7	1.2	109	2	4.2	5.4	1.2	255	3	3.4	5.3	1.2	110	4
LSD (.05%)			0.5	5.6	0.3	1.4	1	0.3	0.2	0.6	0.9	9.3	0.6	2.5	2	0.8	9.4	0.6	1.6	3	0.6	9.8	0.6	3.1	3

3 Year Averages

BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	% QUALITY	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 1700	100		24.7	179.5	53.1	1.5	97	8.8	3.6	58.5	22.5	153.4	53.5	1.7	100	26.5	186.0	52.0	1.5	97	25.0	199.1	53.8	1.3	93
BROWN 5636	98		26.7	176.1	51.6	2.0	88	8.4	3.3	58.9	26.2	144.3	51.6	2.2	91	27.9	194.1	50.8	0.6	92	26.0	190.0	52.3	3.2	82
DAIRYLAND STEAL TH-5497	98		22.4	194.4	53.5	1.3	97	7.3	4.3	58.5	21.4	169.0 **	53.6	1.5	99	23.4	200.9	52.6	0.5	97	22.5	213.3	54.1	1.8	96
HIGH CYCLE HC7560YGCB	100		25.0	201.1 **	51.7	3.3	99	7.8	4.4	58.3	23.7	164.7 *	51.6	1.7	97	26.5	213.1 **	50.7	1.5	100	24.9	225.5 **	52.7	6.7	99
NK Brand N45-A6	100		23.4	199.2 *	52.5	1.4	98	7.8	4.5	57.3	21.8	167.6 *	52.7	1.6	100	25.4	211.3 *	51.1	0.6	99	23.0	218.7 *	53.6	2.0	95
RUPP XR1609	101		27.6	188.7	51.7	1.3	98	7.7	3.3	60.4	25.8	155.6	52.0	1.9	100	29.0	200.0	50.9	0.4	99	28.0	210.6	52.1	1.8	95
VIGORO V43Y31	103		25.4	184.9	52.9	1.6	97	8.6	4.1	58.2	24.2	152.0	53.5	1.5	99	27.0	202.9	51.5	0.3	98	25.0	199.6	53.9	3.0	95
AVERAGE			25.0	189.1	52.4	1.8	96	8.1	3.9	58.6	23.7	158.1	52.6	1.7	98	26.5	201.2	51.4	0.8	97	24.9	208.1	53.2	2.8	94
HIGHEST			27.6	201.1	53.5	3.3	99	8.8	4.5	60.4	26.2	169.0	53.6	2.2	100	29.0	213.1	52.6	1.5	100	28.0	225.5	54.1	6.7	99
LOWEST			22.4	176.1	51.6	1.3	88	7.3	3.3	57.3	21.4	144.3	51.6	1.5	91	23.4	186.0	50.7	0.3	92	22.5	190.0	52.1	1.3	82
CV (%)			5.5	5.5	1.4	118	3	3.9	5.6	1.1	6.5	6.2	1.2	99	2	5.2	5.3	1.3	233	4	4.1	5.0	1.7	100	4
LSD (.05%)			0.5	4.2	0.3	1.0	1	0.2	0.2	0.5	0.9	6.9	0.5	1.8	1	0.8	7.4	0.5	1.1	2	0.6	7.3	0.6	2.1	2

TABLE 4. ALPENA, DELTA (LATE) & GRAND TRAVERSE COUNTY GRAIN TRIALS (95 Day and Earlier) ZONE 4

2005			TRIAL AVERAGE					% QUALITY			ALPENA				GRAND TRAVERSE				DELTA - LATE						
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2090	90	P250	22.3	139.4	56.3	1.2	99	8.7	3.2	59.9	21.7	121.5	56.8	1.1	100	20.7	141.2	57.4	0.5	96	24.5	155.5	54.7	2.1	100
BAYSIDE NorthGro NG1541RR	81	P250	22.3	135.6	56.0	0.0	98	9.0	4.2	59.1	21.4	142.6	56.9	0.1	100	21.6	139.9	56.2	0.0	95	24.0	124.3	55.0	0.0	100
BAYSIDE Super 75	75	P250	22.3	117.4	55.7	0.5	93	9.0	4.1	59.8	20.7	129.8	57.7	0.7	100	21.3	97.4	54.6	0.5	83	25.0	125.0	54.7	0.3	97
BAYSIDE Super 80	80	P250	21.7	145.5	55.6	1.0	89	8.2	4.6	59.9	20.6	147.8	56.7	1.0	98	20.9	137.8	55.9	0.9	77	23.5	150.8	54.3	1.2	92
BAYSIDE Super 82	82	P250	20.9	135.1	55.0	2.7	96	8.0	3.8	60.0	19.7	146.7	56.0	3.5	98	19.9	123.8	55.2	4.7	94	23.2	134.9	53.7	0.0	98
BAYSIDE Super 86	86	P250	21.9	136.9	55.8	1.2	99	8.7	3.8	59.3	21.2	120.7	56.4	1.7	100	20.3	135.0	56.7	0.1	96	24.3	155.0	54.3	1.8	100
CROPLAN 314RR/Bt	92	C250	24.9	168.3	53.6	0.3	100	7.7	3.7	60.4	24.2	154.0	54.4	0.0	100	24.2	170.4	54.0	0.5	100	26.2	180.4	52.5	0.4	100
DAIRYLAND STEALTH-1488	88	P250	23.5	141.3	53.2	0.3	100	8.2	4.3	59.8	22.5	139.1	54.5	0.8	100	22.4	140.3	53.5	0.0	99	25.6	144.6	51.7	0.0	100
DAIRYLAND STEALTH-1785	85	P250	20.9	132.3	56.1	0.7	97	8.4	3.7	60.1	20.0	136.7	57.0	1.8	99	19.9	131.3	56.1	0.0	91	22.8	128.9	55.2	0.4	100
DAIRYLAND STEALTH-1791	91	P250	23.3	153.5	53.6	0.4	79	8.2	3.6	60.5	23.0	140.5	54.2	0.4	83	21.7	146.7	55.0	0.0	66	25.1	173.3	51.6	0.8	89
DEKALB DKC35-02 (RR2YGOB)	85	P250	21.9	133.2	55.1	0.1	99	9.9	5.0	56.1	19.8	138.1	57.1	0.0	100	22.1	120.4	53.3	0.4	97	23.9	141.0	54.9	0.0	100
DEKALB DKC37-14 (RR2)	87	P250	23.3	135.7	55.2	1.3	99	9.1	4.4	57.9	20.9	139.3	56.6	2.3	100	23.7	128.7	53.7	0.5	98	25.3	139.2	55.2	1.1	100
DEKALB DKC40-05	90	P250	23.0	152.3	54.9	1.1	100	7.5	4.6	60.5	21.4	128.7	56.2	1.5	100	23.1	173.6	54.2	1.1	100	24.5	154.6	54.3	0.7	100
DYNAGRO 51K74	83	P250	21.3	141.6	56.3	1.1	91	8.2	4.4	59.7	20.0	130.1	57.8	0.5	93	21.6	147.9	55.8	2.1	85	22.3	146.7	55.3	0.7	96
DYNAGRO 51P88	88	P250	23.4	136.5	55.4	0.5	96	9.6	4.0	58.9	22.2	138.9	56.5	0.2	100	22.0	132.0	55.4	0.9	87	25.9	138.5	54.4	0.4	100
GARST 8921YG1/RR	90	C250	24.8	164.5	53.9	0.3	98	8.4	4.3	59.2	24.1	149.1	54.5	0.0	99	23.4	168.4	54.8	0.5	96	26.9	175.9	52.5	0.4	100
GOLDEN HARVEST H-6565RR	90	C250	22.5	165.5	55.1	0.3	99	7.7	3.3	61.1	21.3	159.4	55.9	0.0	100	22.0	161.9	55.5	0.5	98	24.3	175.2	53.9	0.4	100
GOLDEN HARVEST H-6907RR	95	C250	24.3	171.8	53.2	0.9	100	7.8	4.4	59.4	23.3	154.0	53.8	1.4	100	23.1	182.4	53.6	1.0	100	26.4	179.1	52.3	0.4	100
GOLDEN HARVEST H-7007Bt	95	C250	25.2	173.4	52.4	0.4	100	7.3	4.3	60.5	24.1	159.3	52.8	0.1	99	24.0	169.4	53.2	0.3	100	27.5	191.5	51.1	0.7	100
HIGH CYCLE HC7242YGOB	90	P250	25.4	157.0	53.0	0.4	89	7.5	3.8	61.0	24.8	138.4	53.7	0.5	90	24.7	162.4	53.7	0.7	90	26.7	170.1	51.6	0.0	88
HYLAND SEEDS BIXXIO RR	74	P250	20.1	110.3	58.3	3.5	95	10.2	4.9	58.1	19.3	124.9	59.5	4.0	98	20.0	100.3	58.3	3.7	89	21.0	105.8	57.2	2.9	99
HYLAND SEEDS HL2093	76	P250	20.7	104.5	55.0	3.1	94	8.6	3.8	59.9	19.5	117.0	56.0	4.0	96	20.8	94.7	54.3	2.7	90	21.9	101.8	54.7	2.6	97
HYLAND SEEDS HL2222	79	P250	20.3	99.3	54.3	0.6	100	8.7	3.0	60.7	19.1	121.3	56.1	0.4	100	19.8	84.8	52.8	0.3	99	22.1	91.9	54.1	1.0	100
HYLAND SEEDS HLB258	85	P250	24.4	129.0	56.6	2.5	91	9.3	4.8	59.2	23.2	138.4	58.3	6.2	94	24.0	117.6	56.3	0.6	83	25.9	130.9	55.2	0.8	97
HYLAND SEEDS HLR219	85	P250	23.6	123.2	56.6	1.8	96	9.1	4.3	59.3	22.3	126.5	58.1	2.2	100	23.8	111.9	56.2	1.4	89	24.8	131.2	55.6	1.8	100
HYLAND SEEDS HLR228	84	P250	21.4	145.4	56.1	1.1	99	7.8	4.6	60.2	20.4	144.0	57.5	1.1	99	21.6	141.7	55.1	1.5	97	22.1	150.6	55.6	0.7	100
HYLAND SEEDS HLR234	90	P250	24.2	164.3	53.3	0.4	98	7.4	3.9	60.2	22.5	140.6	54.4	0.7	100	23.4	172.8	53.5	0.4	95	26.6	179.5	52.1	0.0	100
HYLAND SEEDS JUXXIN	90	P250	23.9	135.2	54.7	0.8	97	8.9	3.7	59.3	21.9	153.2	55.7	0.7	100	23.4	132.0	54.5	0.5	91	26.3	120.4	53.8	1.1	100
MYCOGEN 2P172	84	C125	22.4	142.8	56.2	0.5	100	9.2	3.8	59.3	21.7	158.4	56.8	0.4	100	21.8	132.7	56.5	1.0	99	23.7	137.3	55.3	0.0	100
NK Brand N16-M1	82	C250	21.0	135.7	56.8	0.3	93	8.7	3.9	60.0	19.9	149.7	58.0	0.3	97	19.9	116.0	56.8	0.3	84	23.2	141.4	55.6	0.3	99
NK Brand N18-F2	84	C250	21.6	136.6	57.6	1.5	93	8.6	3.9	60.4	20.6	135.6	58.7	3.0	95	20.6	137.9	58.0	0.5	85	23.5	136.2	56.0	1.1	98
PARTNERS BRAND 380RR	88	C125	23.3	130.7	54.0	1.0	99	9.0	3.9	59.6	21.9	119.1	55.5	2.4	99	22.3	128.0	53.8	0.2	96	25.8	145.1	52.8	0.3	100
PIONEER 38B12	88	P250	21.7	138.5	53.8	1.5	98	9.0	3.6	59.2	19.6	149.8	55.6	2.9	98	21.6	126.4	52.6	0.8	95	23.8	139.4	53.3	0.7	100
PIONEER 38T41	94	P250	23.9	142.2	54.8	1.0	83	9.8	4.0	58.0	22.6	149.0	56.5	2.2	93	23.7	136.2	54.3	0.0	69	25.5	141.3	53.5	0.8	86
PIONEER 38W22	92	P250	23.2	150.0	56.7	0.3	98	8.9	3.7	59.0	21.6	144.2	57.6	0.1	100	23.1	145.6	56.7	0.7	94	25.0	160.2	55.7	0.0	100
VIGORO V32YR62	92		25.4	159.3	53.7	0.2	96	8.2	3.9	60.2	25.1	137.1	54.0	0.3	99	24.3	160.5	54.3	0.4	89	26.9	180.4	52.9	0.0	100
AVERAGE			22.8	141.2	55.1	1.0	96	8.6	4.0	59.6	21.6	139.5	56.2	1.4	98	22.1	137.5	55.0	0.8	91	24.6	146.6	54.1	0.7	98
HIGHEST			25.4	173.4	58.3	3.5	100	10.2	5.0	61.1	25.1	159.4	59.5	6.2	100	24.7	182.4	58.3	4.7	100	27.6	191.5	57.2	2.9	100
LOWEST			20.1	99.3	52.4	0.0	79	7.3	3.0	56.1	19.1	117.0	52.8	0.0	83	19.8	84.8	52.6	0.0	66	21.0	91.9	51.1	0.0	86
CV (%)			3.7	8.0	1.1	131	4	3.8	5.4	1.1	3.3	7.8	0.9	117	2	3.4	8.7	1.2	151	6	4.0	7.1	1.2	115	3
LSD (.05%)			0.6	7.6	0.4	0.9	2	0.4	0.3	0.8	1.0	15.3	1.5	2.2	6	2.1	16.9	1.9	1.8	7	1.4	14.5	0.9	1.2	4

2 Year Averages		# TRIAL AVERAGE				% QUALITY			ALPENA				GRAND TRAVERSE				DELTA - LATE							
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2090 BAYSIDE NorthGro NG1541RR BAYSIDE Super 75 BAYSIDE Super 80 BAYSIDE Super 82 BAYSIDE Super 86	90	26.0	121.7	53.9	0.8	99	9.1	3.3	58.6	29.2	117.5	51.7	0.7	100	22.9	125.8	56.2	1.0	98	Incomplete Data in 2004				
	81	25.3	132.4	53.9	0.9	99	9.4	3.9	58.2	27.1	138.7	52.8	0.2	100	23.5	126.1	55.1	1.5	97					
	75	25.3	116.1	54.5	1.5	96	9.4	4.0	58.9	27.0	128.1	54.3	0.5	100	23.6	104.2	54.7	2.4	91					
	80	25.1	132.6	53.0	3.1	94	8.8	4.6	58.3	27.1	137.0	52.1	0.7	99	23.0	128.3	54.0	5.5	88					
	82	25.0	131.0	53.4	2.4	98	8.7	4.0	58.8	27.6	139.3	52.6	2.0	99	22.5	122.7	54.2	2.9	97					
	86	25.5	122.4	53.1	0.7	99	9.4	3.9	57.9	27.5	119.8	51.8	0.9	100	23.4	125.0	54.5	0.5	98					
	91	26.3	139.4	51.7	2.1	87	8.6	3.5	59.3	28.5	143.2	50.5	0.2	91	24.0	135.7	52.8	4.0	83					
	85	24.8	128.7	53.1	1.2	99	10.4	5.0	54.9	25.5	142.5	53.4	0.2	100	24.0	114.9	52.8	2.2	99					
	87	26.2	131.6	53.0	1.5	99	9.6	4.5	56.8	26.7	141.5	53.0	1.4	100	25.7	121.8	53.0	1.6	99					
	90	26.4	135.5	52.1	2.9	100	8.4	4.4	58.7	27.4	131.8	51.8	1.5	100	25.5	139.2	52.5	4.3	100					
DYNAGRO 51K74 DYNAGRO 51P88 GOLDEN HARVEST H-6565RR GOLDEN HARVEST H-6907RR GOLDEN HARVEST H-7007Bt HIGH CYCLE HC7242YGCB NK Brand N18-F2 PIONEER 38W22	83	24.4	137.4	53.7	1.9	94	8.7	4.5	58.5	25.7	134.3	52.8	0.9	96	23.2	140.5	54.6	2.9	92					
	88	25.9	134.0	52.8	3.1	97	10.2	4.2	57.1	27.4	142.1	52.1	1.0	100	24.5	125.9	53.4	5.2	94					
	90	25.5	145.4	52.8	1.3	100	8.4	3.2	59.8	27.5	148.1	51.2	0.4	100	23.6	142.6	54.4	2.2	99					
	95	28.3	148.0	50.9	1.7	100	8.8	4.4	57.6	30.9	142.7	50.3	1.2	100	25.7	153.3	51.5	2.2	100					
	95	29.5	146.2	50.7	0.4	100	8.2	4.4	58.5	32.4	144.3	49.9	0.2	99	26.5	148.1	51.4	0.7	100					
	90	29.2	144.1	51.2	2.2	95	8.4	4.0	59.1	32.1	141.3	50.5	0.6	94	26.3	146.8	52.0	3.9	95					
	84	24.7	130.3	55.8	2.6	95	9.0	3.9	59.5	26.2	135.3	54.7	2.5	98	23.2	125.2	56.9	2.7	93					
	88	26.4	137.5	54.2	2.5	98	9.4	3.8	57.7	28.0	143.4	53.6	0.9	100	24.7	131.6	54.8	4.1	97					
	AVERAGE		26.1	134.1	53.0	1.8	97	9.1	4.1	58.2	28.0	137.3	52.2	0.9	99	24.2	131.0	53.8	2.8					96
	HIGHEST		29.5	148.0	55.8	3.1	100	10.4	5.0	59.8	32.4	148.1	54.7	2.5	100	26.5	153.3	56.9	5.5					100
LOWEST CV (%) LSD (.05%)		24.4	116.1	50.7	0.4	87	8.2	3.2	54.9	25.5	117.5	49.9	0.2	91	22.5	104.2	51.4	0.5	83					
		3.5	7.3	1.1	140	3	3.9	5.7	1.2	3.5	6.4	0.9	121	2	3.3	7.5	1.2	140	4					
		0.5	5.3	0.3	1.2	2	0.3	0.2	0.6	0.8	7.3	0.4	1.2	1	0.6	8.2	0.6	2.4	3					

3 Year Averages		# TRIAL AVERAGE				% QUALITY				ALPENA				GRAND TRAVERSE				DELTA - LATE 2005 & 2003						
BRAND / HYBRID	RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAY'SIDE 2090	90	26.7	135.1	53.2	2.6	95	9.2	3.5	58.4	29.4	128.9	51.4	4.4	95	23.9	141.3	55.0	0.8	96	22.4	144.9 *	54.4	3.9	99
BAY'SIDE Super 75	75	26.2	126.5	54.7	2.6	94	9.3	4.2	58.7	28.0	133.5	54.7	3.3	96	24.3	119.6	54.6	1.8	92	22.7	135.6	55.5	2.2	99
BAY'SIDE Super 80	80	25.4	142.5	52.6	2.6	94	8.5	4.6	58.2	27.1	141.4	51.8	0.9	96	23.6	143.5	53.5	4.2	91	21.2	135.4	55.1	3.2	96
BAY'SIDE Super 82	82	26.4	133.8	52.4	3.4	92	8.7	3.9	58.7	28.7	134.9	51.7	4.7	91	24.1	132.7	53.1	2.1	92	21.6	130.9	54.1	2.8	99
BAY'SIDE Super 86	86	26.1	136.7	52.7	2.7	96	9.2	3.8	58.0	28.1	132.7	51.5	4.8	97	24.1	140.7	53.8	0.6	96	22.3	137.7 *	54.6	3.8	99
DYNAGRO 51P88	88	26.2	147.5	52.4	3.6	96	9.8	4.3	57.5	27.7	150.3 *	51.7	3.6	98	24.7	144.6	53.1	3.6	93	22.8	131.9	54.9	1.9	99
HIGH CYCLE HC7242Y GCB	90	29.8	156.7 **	50.8	2.8	93	8.3	4.1	58.9	32.4	152.9 **	50.1	3.0	92	27.3	160.5 **	51.5	2.6	94	22.9	148.7 **	52.7	1.5	94
AVERAGE		26.7	139.8	52.7	2.9	94	9.0	4.1	58.3	28.8	139.2	51.8	3.5	95	24.6	140.4	53.5	2.2	93	22.3	137.9	54.5	2.8	98
HIGHEST		29.8	156.7	54.7	3.6	96	9.8	4.6	58.9	32.4	152.9	54.7	4.8	98	27.3	160.5	55.0	4.2	96	22.9	148.7	55.5	3.9	99
LOWEST		25.4	126.5	50.8	2.6	92	8.3	3.5	57.5	27.1	128.9	50.1	0.9	91	23.6	119.6	51.5	0.6	91	21.2	130.9	52.7	1.5	94
CV (%)		4.0	7.1	1.6	236	4	4.2	5.8	1.2	3.9	6.5	1.5	261	4	2.9	6.7	1.1	128	5	4.6	7.4	1.5	120	2
SD (.05%)		0.4	4.1	0.4	1.9	1	0.3	0.2	0.5	0.7	6.1	0.6	3.6	2	0.5	6.2	0.4	1.7	3	1.0	11.2	0.5	2.2	2

Delta Late not included

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

TRT	Seed Treatment	Chemical Rate
C125	No Seed Insecticide Applied	0.125 mg Thiamethoxan per kernel
C250	Cruiser® 125	0.250 mg Thiamethoxan per kernel
C1250	Cruiser® 250	1.25 mg Thiamethoxan per kernel
P250	Poncho® 1250	0.25 mg Clothianidan per kernel
P1250	Poncho® 1250	1.25 mg Clothianidan per kernel
	Cruiser® is a registered trademark of Syngenta Group Company	
	Poncho® is a registered trademark of Gustafson LLC	

TABLE 5. ALGER & DELTA (EARLY) COUNTY GRAIN TRIALS (88 Day and Earlier) ZONE 5

2005		TRIAL AVERAGE						% QUALITY			ALGER					DELTA - EARLY				
BRAND / HYBRID	RM TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	
BAYSIDE Super 75	75 P250	24.9	120.1	55.0	0.8	84	10.2	4.4	58.0	24.6	119.8	55.0	1.6	71	25.2	120.4	54.9	0.0	98	
DAIRYLAND STEALTH-1476	76 P250	24.7	112.5	57.6	4.2	84	9.9	3.5	59.9	25.4	113.4	57.4	4.5	73	24.0	111.5	57.7	3.8	95	
DEKALB DKC35-02 (RR2/YGCB)	85 P250	24.8	135.9	54.6	2.2	99	11.1	4.9	55.6	25.3	137.9 *	54.3	4.1	99	24.3	133.9	54.8	0.3	100	
DEKALB DKC37-14 (RR2)	87 P250	25.5	139.7	54.6	2.5	99	10.7	4.2	56.7	25.2	147.0 *	54.5	3.6	99	25.8	132.3	54.7	1.4	100	
DYNAGRO CX04179	79 P250	23.4	112.8	56.5	2.6	89	10.7	4.5	56.9	24.0	118.8	56.1	4.1	78	22.7	106.8	56.9	1.1	100	
HYLAND SEEDS BIXXIO RR	74 P250	22.4	99.3	56.8	3.6	99	11.1	4.7	56.9	23.2	95.5	56.6	4.2	98	21.5	103.1	57.0	2.9	100	
HYLAND SEEDS HL2093	76 P250	23.1	100.0	54.7	4.1	93	9.6	3.7	58.4	23.7	103.9	54.7	5.6	90	22.5	96.0	54.7	2.6	96	
HYLAND SEEDS HL2222	79 P250	22.7	101.0	54.9	1.5	100	9.2	3.3	58.9	23.1	117.1	55.3	1.2	100	22.3	84.8	54.4	1.7	100	
HYLAND SEEDS HLR228	84 P250	22.6	144.3 *	55.7	1.4	100	8.9	4.3	58.5	23.3	148.6 *	55.2	2.1	100	21.9	139.9	56.2	0.7	100	
JUNG 6202RR/YGCB	83 P250	24.4	149.8 **	54.7	3.0	92	9.6	4.4	57.9	25.3	140.9 *	54.0	5.3	83	23.4	158.7 **	55.4	0.7	100	
MYCOGEN 2J086	80 C125	23.6	130.8	53.6	4.6	100	10.4	4.3	56.6	23.9	142.6 *	52.8	8.4	101	23.2	119.0	54.3	0.7	100	
NK Brand N03-D8	68 C250	21.4	94.8	57.6	1.9	99	10.0	3.2	59.9	22.5	99.3	57.2	3.1	98	20.2	90.3	58.0	0.7	100	
NK Brand N12-G3	77 C250	22.2	113.4	56.8	3.0	99	9.9	4.0	58.5	22.7	115.4	56.1	4.2	98	21.7	111.3	57.4	1.8	100	
NK Brand N18-F2	84 C250	23.6	134.7	56.1	2.2	95	9.4	3.7	59.2	23.6	136.2 *	56.3	2.8	96	23.5	133.1	55.9	1.6	93	
PIONEER 38B12	88 P250	24.1	139.2	53.2	1.6	100	10.1	3.8	57.3	23.9	151.5 **	53.4	2.4	100	24.2	126.8	53.0	0.7	100	
PIONEER 39D82	87 P250	24.7	129.1	53.9	3.7	91	9.8	3.6	57.0	25.3	132.3	53.4	6.0	82	24.1	125.9	54.4	1.4	100	
PIONEER 39F28	88 P250	25.5	146.5 *	53.8	2.1	99	9.9	4.3	57.2	25.5	150.9 *	53.7	3.0	99	25.4	142.0	53.9	1.1	100	
PIONEER 39P78	72 P250	21.0	73.7	57.5	14.6	84	10.2	4.9	57.1	20.6	67.9	56.1	26.5	77	21.4	79.5	58.8	2.7	91	
RENK RK192	78	24.7	126.4	53.7	1.1	85	11.0	4.3	56.6	25.5	126.7	52.7	1.3	82	23.8	126.0	54.7	0.8	88	
SPANGLER 1223	80	24.5	131.3	54.4	3.1	100	9.9	4.3	57.2	25.1	145.6 *	53.4	5.4	100	23.8	116.9	55.3	0.7	100	
SPANGLER 1303	82	23.6	131.5	55.5	1.1	100	8.9	3.2	59.2	24.6	131.0	55.2	2.2	100	22.5	132.0	55.8	0.0	100	
WOLF RIVER VALLEY WRV2482RR	82	23.8	145.2 *	54.6	2.6	87	9.1	4.5	58.2	24.6	143.8 *	53.7	3.7	83	23.0	146.5	55.4	1.5	91	
WOLF RIVER VALLEY WRV9373	73	23.6	87.1	55.1	4.3	77	10.4	3.2	59.4	24.1	86.8	54.9	6.3	73	23.0	87.4	55.3	2.2	81	
WOLF RIVER VALLEY WRV9983	83	25.0	143.3 *	52.9	1.6	100	9.4	4.1	58.4	24.4	148.5 *	52.8	2.1	101	25.6	138.0	53.0	1.1	100	
AVERAGE		23.7	122.6	55.1	3.0	94	10.0	4.0	57.9	24.1	125.9	54.8	4.7	91	23.3	119.2	55.5	1.4	97	
HIGHEST		25.5	149.8	57.6	14.6	100	11.1	4.9	59.9	25.5	151.5	57.4	26.5	101	25.8	158.7	58.8	3.8	100	
LOWEST		21.0	73.7	52.9	0.8	77	8.9	3.2	55.6	20.6	67.9	52.7	1.2	71	20.2	79.5	53.0	0.0	81	
CV (%)		4.6	8.1	1.2	96	3	3.6	5.9	1.0	4.4	8.8	1.2	81	4	4.0	6.5	1.3	97	3	
LSD (.05%)		0.9	8.2	0.6	2.4	3	0.4	0.3	0.7	1.5	15.7	1.8	5.5	10	1.3	11.0	1.0	1.9	4	

# 2 Year Averages 2005 & 2003		TRIAL AVERAGE						% QUALITY			ALGER					DELTA - EARLY				
BRAND / HYBRID	RM TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	
BAYSIDE Super 75	75	26.1	114.4 **	53.9	3.1	92	9.5	4.3	58.6	29.0	106.3 **	51.9	4.7	86	23.1	122.5 **	55.9	1.5	97	

Plot not Harvested in 2004

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE B.

AGRONOMIC TABLES FOR GRAIN TRIAL LOCATIONS

COUNTY		PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	LENAAWEE	April 29	Oct. 12	Soybean	29,539	29,244	154 - 49 - 40
	BRANCH	April 28	Oct. 13	Corn	29,539	28,062	195 - 49 - 40
	CASS	April 27	Oct. 7	Soybean	27,766	26,794	235 - 102 - 76
Zone 2	KENT	April 25	Oct. 8	Corn	29,539	28,357	212 - 44 - 96
	INGHAM	April 29	Sept. 30	Soybean	29,539	29,244	175 - 50 - 100
	SAGINAW & RR	May 5	Oct. 10	Soybean	29,539	29,348	260 - 40 - 32
Zone 3	HURON & RR	May 9	Oct. 20	Sugar Beets	27,766	27,211	165 - 49 - 40
	MONTCALM	May 17	Oct. 21	Potato / Rye	29,539	27,028	197 - 25 - 20
	MONTCALM RR	April 26	Oct. 21	Corn	29,539	28,062	189 - 28 - 173
	MASON	May 10	Oct. 19	Corn	29,539	27,324	155 - 49 - 40
Zone 4	ALPENA	May 9	Oct. 17	Corn	26,509	25,979	14 - 49 - 40 +Manure
	GRAND TRAVERSE	May 10	Oct. 19	Corn	26,539	24,150	153 - 49 - 190
	DELTA	May 6	Oct. 18	Alfalfa	26,509	25,842	120 - 49 - 40 +Manure
Z5	ALGER	May 6	Oct. 17	Corn	24,237	22,056	184 - 94 - 110 +Manure

COUNTY		SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	LENAAWEE	Lenawee Silty Clay loam	pH 5.8 P 87, K 220	Jason Woods	Britton
	BRANCH	Oshtemo Sandy Loam	pH 6.8 P 113, K 147	Kyle Huff	Coldwater
	CASS	Kalamazoo Loam	pH 6.2 P 69, K 175	Dave & Mel Cripe	Cassopolis
Zone 2	KENT	Spinks Loamy Sand	pH 6.5 P 83, K 154	Pleasant Acres Farm Gerald Kayser	Caledonia
	INGHAM	Capac Loam	pH 6.4 P 40, K 119	Jorgensen Farms Jerry Jorgesen & Mike Turner	Williamston
	SAGINAW & RR	Sloan-Ceresco Complex	pH 7.2 P 41, K 144	John Spero	Birch Run
Zone 3	HURON & RR	Kilmanagh Loam	pH 6.85 P 116, K 209	Wil-Le Farms William, Ron & Ed McCrea	Bad Axe
	MONTCALM	McBride Sandy Loam	pH 5.7 P 139, K 163	Troy Sackett	Edmore
	MONTCALM RR	Montcalm - McBride Sandy Loam	pH 5.8 P 214, K 151	Montcalm Research Farm, MSU	Entrican
	MASON	Ogemaw Sandy Loam	pH 6.8 P 119, K 144	Robert & August Oshe	Scottville
Zone 4	ALPENA	Onaway Loam	pH 7.7 P 28, K 86	Corby & Fred Werth	Alpena
	GRAND TRAVERSE	Karlin Sandy Loam	pH 6.3 P 130, K 128	Richard Dennett	Buckley
	DELTA	Onaway Sandy Loam	pH 6.4 P 84, K 56	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.5 P 90, K 196	Upper Peninsula Experiment Station, MSU	Chatham

TABLE 6E. HURON, MONTCALM & SAGINAW COUNTY GLYPHOSATE RESISTANT GRAIN TRIALS - EARLY (96 Day and Earlier) ZONE 2 - 3

2005			EARLY TRIAL AVERAGE										% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
BRAND / HYBRID	RM	TRT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE NorthGro NG5072RR	93	P250	17.4	199.4	57.3	3.8	100	9.2	4.6	69.9	15.6	176.1*	57.6	3.2	100	20.0	203.8*	56.2	1.9	100	16.6	218.3	58.2	6.4	100	16.6	218.3	58.2	6.4	100	16.6	218.3	58.2	6.4	100
BAYSIDE NorthGro NG5518RR	95	P250	17.8	198.8	58.0	2.4	95	9.3	4.0	70.7	16.5	166.0	58.1	1.1	96	19.7	203.2*	57.1	1.3	96	17.3	227.1	58.9	4.8	94	17.3	227.1	58.9	4.8	94	17.3	227.1	58.9	4.8	94
CROPLAN 314RR/Bt	92	C250	16.8	207.8	59.6	0.9	99	8.4	4.9	69.3	15.5	185.7*	59.7	1.4	100	18.3	217.5*	59.2	0.0	100	16.6	220.2	59.8	1.3	99	16.6	220.2	59.8	1.3	99	16.6	220.2	59.8	1.3	99
CROPLAN 364RR/Bt	95	C250	17.9	215.7*	58.0	3.2	100	8.4	5.3	69.5	16.2	202.1**	58.7	6.6	100	19.8	223.7*	57.2	0.8	101	17.8	221.4	58.1	2.3	100	17.8	221.4	58.1	2.3	100	17.8	221.4	58.1	2.3	100
DEKALB DKC37-14 (RR2)	87	P250	16.2	178.6	59.3	2.6	100	10.2	5.5	67.3	15.3	164.2*	59.3	5.6	100	17.0	194.4	59.3	0.6	100	16.2	177.1	59.2	1.6	100	16.2	177.1	59.2	1.6	100	16.2	177.1	59.2	1.6	100
DEKALB DKC42-95 (RR2/YGCB)	92	P250	16.9	217.1*	58.3	2.1	100	8.2	4.2	70.2	15.6	194.2*	58.2	5.2	100	18.6	217.6*	57.7	0.2	100	16.5	239.6*	59.0	1.0	99	16.5	239.6*	59.0	1.0	99	16.5	239.6*	59.0	1.0	99
GARST 8881RR	95	C250	17.2	205.7	58.3	3.8	99	8.5	5.3	69.0	16.3	192.1*	58.3	8.0	100	18.5	208.9*	57.9	0.2	99	16.9	216.0	58.7	3.3	98	16.9	216.0	58.7	3.3	98	16.9	216.0	58.7	3.3	98
GARST 8921YG/IRR	90	C250	16.8	206.7	59.7	1.9	99	8.6	4.8	69.4	15.8	180.2*	59.6	5.0	98	18.1	209.9*	59.5	0.0	100	16.6	229.9	60.0	0.7	100	16.6	229.9	60.0	0.7	100	16.6	229.9	60.0	0.7	100
GREAT LAKES 4206RR	92	P250	16.9	178.9	59.6	2.4	88	9.8	4.5	69.5	15.7	172.3*	59.6	5.5	93	18.4	176.9	59.3	0.2	80	16.6	187.4	59.8	1.4	92	16.6	187.4	59.8	1.4	92	16.6	187.4	59.8	1.4	92
GREAT LAKES 4689BRR	96	P250	18.2	219.0**	59.3	1.1	98	8.9	4.8	70.3	15.8	193.3*	60.1	2.1	100	20.9	214.3*	57.6	0.9	95	17.8	249.4**	60.1	3.5	98	17.8	249.4**	60.1	3.5	98	17.8	249.4**	60.1	3.5	98
HYLAND SEEDS HLR219	85	P250	18.4	169.6	60.3	4.2	98	10.1	6.2	69.1	15.9	137.3	59.9	9.0	96	20.0	185.0	60.8	0.0	98	19.2	186.4	60.1	0.3	99	19.2	186.4	60.1	0.3	99	19.2	186.4	60.1	0.3	99
HYLAND SEEDS HLR228	84	P250	15.7	167.1	59.1	4.0	99	8.8	5.4	69.1	15.2	156.7	58.9	4.2	100	16.7	189.0	58.6	0.9	99	15.3	155.6	59.7	6.9	98	15.3	155.6	59.7	6.9	98	15.3	155.6	59.7	6.9	98
HYLAND SEEDS HLR234	90	P250	16.9	212.3*	58.7	1.7	99	8.5	5.5	69.2	15.6	190.3*	58.9	2.5	99	18.6	225.6**	58.1	0.7	99	16.6	221.1	59.1	1.9	99	16.6	221.1	59.1	1.9	99	16.6	221.1	59.1	1.9	99
NK Brand N33-Z7	94		19.0	193.3	58.0	1.5	99	9.1	4.7	70.4	16.7	166.7	58.7	4.2	99	20.0	202.7*	57.9	0.0	100	20.4	210.6	57.5	0.3	97	20.4	210.6	57.5	0.3	97	20.4	210.6	57.5	0.3	97
RENK RK438RRYGCB	92		17.0	207.3	59.8	1.6	99	8.7	4.5	70.1	15.9	182.6*	59.7	3.2	99	18.5	214.9*	59.7	0.1	98	16.5	224.3	60.1	1.6	100	16.5	224.3	60.1	1.6	100	16.5	224.3	60.1	1.6	100
RENK RK488RR	95		17.0	202.8	58.5	2.6	95	8.8	5.4	69.1	15.9	181.2*	58.7	2.8	97	18.6	210.9*	58.3	0.7	91	16.6	216.4	58.5	4.4	96	16.6	216.4	58.5	4.4	96	16.6	216.4	58.5	4.4	96
VIGORO V32YR62	92		17.2	205.3	59.5	3.8	99	8.6	4.8	69.5	15.6	184.3*	59.6	9.5	99	19.0	208.5*	59.1	0.0	98	16.9	223.2	59.9	1.9	99	16.9	223.2	59.9	1.9	99	16.9	223.2	59.9	1.9	99
VIGORO V35R66	95	P250	17.6	190.3	58.0	1.2	87	9.1	5.0	68.9	16.3	189.9*	58.5	2.8	98	19.4	177.8	57.1	0.5	69	17.0	203.3	58.4	0.3	93	17.0	203.3	58.4	0.3	93	17.0	203.3	58.4	0.3	93
AVERAGE			17.3	198.7	58.8	2.5	97	9.0	5.0	69.5	15.9	178.6	59.0	4.5	99	18.9	204.7	58.4	0.5	96	17.1	212.6	59.2	2.4	98	17.1	212.6	59.2	2.4	98	17.1	212.6	59.2	2.4	98
HIGHEST			19.0	219.0	60.3	4.2	100	10.2	6.2	70.7	16.7	202.1	60.1	9.5	100	20.9	225.6	60.8	1.9	101	20.4	249.4	60.1	6.9	100	20.4	249.4	60.1	6.9	100	20.4	249.4	60.1	6.9	100
LOWEST			15.7	167.1	57.3	0.9	87	8.2	4.0	67.3	15.2	137.3	57.6	1.1	93	16.7	176.9	56.2	0.0	69	15.3	155.6	57.5	0.3	92	15.3	155.6	57.5	0.3	92	15.3	155.6	57.5	0.3	92
CV (%)			2.9	5.2	0.7	111	3	4.7	6.0	1.1	3.4	6.5	0.8	90	3	3.0	4.6	0.7	165	3	2.1	4.7	0.7	94	3	2.1	4.7	0.7	94	3	2.1	4.7	0.7	94	
LSD (.05%)			0.3	7.0	0.3	1.9	2	0.5	0.4	1.0	0.8	33.1	0.6	11.6	8	0.8	26.6	0.6	1.1	4	0.5	14.4	0.6	6.5	7	0.5	14.4	0.6	6.5	7	0.5	14.4	0.6	6.5	7

2 Year Averages		EARLY TRIAL AVERAGE										% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2								
BRAND / HYBRID	RM	TRT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE NorthGro NG5072RR	93		21.0	192.8	54.6	2.6	100	8.7	4.4	64.6	21.4	163.2	53.1	2.5	100	21.7	203.5	54.7	1.7	99	19.9	211.8	55.9	3.7	100	19.9	211.8	55.9	3.7	100	19.9	211.8	55.9	3.7	100
BAYSIDE NorthGro NG5518RR	95		21.4	190.9	54.9	2.1	96	9.0	3.9	64.9	21.3	160.3	53.7	2.1	97	22.4	197.3	54.8	1.3	96	20.7	215.1	56.2	3.1	95	20.7	215.1	56.2	3.1	95	20.7	215.1	56.2	3.1	95
DEKALB DKC42-95 (RR2/YGCB)	92		20.2	206.7**	55.8	1.9	99	7.9	4.0	64.4	20.7	185.9**	54.5	4.4	100	20.6	205.5*	56.0	0.8	100	19.3	228.7**	56.8	0.5	98	19.3	228.7**	56.8	0.5	98	19.3	228.7**	56.8	0.5	98
GARST 8881RR	95		20.4	201.1	55.6	2.4	99	8.3	5.0	62.9	21.7	179.0*	53.9	4.7	100	20.5	211.2**	56.1	0.4	99	19.0	213.1	56.9	2.0	99	19.0	213.1	56.9	2.0	99	19.0	213.1	56.9	2.0	99
RENK RK438RRYGCB	92		20.0	201.6	57.4	1.4	99	8.3	4.4	64.1	20.5	176.2	56.1	2.6	100	20.5	209.6*	57.8	0.3	99	18.9	219.0	58.2	1.2	99	18.9	219.0	58.2	1.2	99	18.9	219.0	58.2	1.2	99
RENK RK488RR	95		20.2	199.2	55.8	2.4	97	8.4	5.0	62.9	20.7	175.6	54.8	3.6	98	20.8	207.8*	56.2	0.9	95	19.2	214.3	56.5	2.7	98	19.2	214.3	56.5	2.7	98	19.2	214.3	56.5	2.7	98
AVERAGE			20.5	198.7	55.7	2.1	98	8.4	4.4	64.0	21.1	173.4	54.4	3.3	99	21.1	205.8	55.9	0.9	98	19.5	217.0	56.7	2.2	98	19.5	217.0	56.7	2.2	98	19.5	217.0	56.7	2.2	98
HIGHEST			21.4	206.7	57.4	2.6	100	9.0	5.0	64.9	21.7	185.9	56.1	4.7	100	22.4	211.2	57.8	1.7	100	20.7	228.7	58.2	3.7	100	20.7	228.7	58.2	3.7	100	20.7	228.7	58.2	3.7	100
LOWEST			20.0	190.9	54.6	1.4	96	7.9	3.9	62.9	20.5	160.3	53.1	2.1	97	20.5	197.3	54.7	0.3	95	18.9	211.8	55.9	0.5	95	18.9	211.8	55.9	0.5	95	18.9	211.8	55.9	0.5	95
CV (%)			3.6	4.9	1.0	107	2	4.3	5.7	1.1	4.4	5.7	1.1	85	2	3.5.																			

TABLE 6L. HURON, MONTCALM & SAGINAW COUNTY GLYPHOSATE RESISTANT GRAIN TRIALS - LATE (97 Day and Later) ZONE 2 - 3

2005			LATE TRIAL AVERAGE										% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
AGRICOLD A6225BRR BAYSIDE NorthGro NG5570RR CROPLAN 421RR/Bt CROPLAN 503RR2/Bt DEKALB DK047-10 (RR2Y/GCB) DEKALB DK048-52 (RR2) DEKALB DK050-20 (RR2Y/GCB) DEKALB DK052-23 (RR2Y/GCB) DEKALB DK052-47 (RR2Y/GCB) DYNAGRO 54P72	100	P250	18.4	210.9	59.0	0.8	94	9.6	4.5	69.9	15.1	182.2	59.7	2.1	97	21.3	208.3	57.8	0.0	91	18.7	242.1	59.4	0.4	94	18.7	242.1	59.4	0.4	94	18.7	242.1	59.4	0.4	94
	101	P250	19.5	190.4	57.3	1.3	89	9.9	4.1	70.2	15.6	165.0	58.6	2.0	92	21.7	179.8	55.6	0.4	83	21.1	226.4	57.6	1.4	93	21.1	226.4	57.6	1.4	93	21.1	226.4	57.6	1.4	93
	100	C250	17.7	208.5	58.9	0.4	99	10.1	4.9	68.4	14.9	174.3	59.9	0.8	100	19.0	206.0	57.8	0.0	100	19.3	245.3	59.1	0.4	96	19.3	245.3	59.1	0.4	96	19.3	245.3	59.1	0.4	96
	104	C250	21.7	206.6	56.0	0.6	91	9.5	3.9	71.0	16.7	170.6	58.5	0.8	91	24.4	210.1	54.6	1.1	89	24.1	239.1	55.0	0.0	92	24.1	239.1	55.0	0.0	92	24.1	239.1	55.0	0.0	92
	97	P250	16.7	198.5	58.9	2.6	100	8.6	4.5	69.4	15.0	164.6	58.9	5.2	99	18.7	212.4	58.3	0.0	99	16.5	218.5	59.4	2.6	100	16.5	218.5	59.4	2.6	100	16.5	218.5	59.4	2.6	100
	98	P250	17.6	204.3	57.5	7.1	97	8.6	4.8	69.8	15.4	177.3	57.9	19.2	99	19.0	209.5	57.0	0.4	93	18.5	226.2	57.5	1.6	99	18.5	226.2	57.5	1.6	99	18.5	226.2	57.5	1.6	99
	100	P250	17.8	208.5	58.4	0.5	100	8.9	4.6	70.0	15.4	182.9	59.1	1.1	99	19.6	207.6	57.5	0.0	100	18.3	235.1	58.6	0.3	100	18.3	235.1	58.6	0.3	100	18.3	235.1	58.6	0.3	100
	102	P250	19.2	208.5	56.7	2.6	98	9.0	5.2	69.8	16.2	175.9	57.7	6.8	99	22.0	209.6	55.0	0.0	95	19.3	239.9	57.3	1.0	100	19.3	239.9	57.3	1.0	100	19.3	239.9	57.3	1.0	100
	102	P250	17.8	210.0	57.4	0.5	100	9.1	4.7	69.5	15.0	172.1	58.1	1.1	101	19.7	214.1	56.6	0.0	99	18.7	243.9	57.5	0.3	100	18.7	243.9	57.5	0.3	100	18.7	243.9	57.5	0.3	100
	99	P250	17.5	189.4	57.0	1.5	98	10.0	4.6	68.8	14.7	149.5	57.2	2.8	100	19.0	183.2	56.8	0.3	99	18.9	235.5	56.9	1.3	97	18.9	235.5	56.9	1.3	97	18.9	235.5	56.9	1.3	97
GARST 8590RR GREAT LAKES 5110BRR GREAT LAKES 5961BRR GREAT LAKES 5961BRR HIGH CYCLE HC6N813 HYLAND SEEDS HLR257 NK Brand N41-P1 NK Brand N41-R9 NK Brand N58-L8 PARTNERS BRAND 479RRY/GCB RENK RK636RRY/GCB VIGORO V43YR52	105	C250	21.2	199.4	55.7	1.4	99	9.2	4.6	69.9	16.9	152.6	57.4	2.3	99	23.6	209.2	54.5	1.3	99	23.1	236.5	55.1	0.7	98	23.1	236.5	55.1	0.7	98	23.1	236.5	55.1	0.7	98
	101	P250	21.5	206.7	55.3	1.9	99	9.5	3.9	70.7	17.1	164.9	57.4	5.3	100	23.9	205.9	53.5	0.0	98	23.6	249.2	55.1	0.3	99	23.6	249.2	55.1	0.3	99	23.6	249.2	55.1	0.3	99
	109	P250	23.0	220.3	54.0	0.5	95	9.8	4.6	67.8	18.1	184.2	56.6	0.9	99	25.0	201.4	52.8	0.0	86	26.0	275.3	55.2	0.7	98	26.0	275.3	55.2	0.7	98	26.0	275.3	55.2	0.7	98
	103	P250	21.9	205.2	56.0	0.7	95	9.4	4.1	71.4	17.3	161.3	58.4	1.4	97	24.7	207.0	54.3	0.0	91	23.6	247.2	55.2	0.7	99	23.6	247.2	55.2	0.7	99	23.6	247.2	55.2	0.7	99
	99	P250	18.0	199.0	57.5	4.7	91	10.8	4.6	68.5	14.9	165.4	58.2	12.2	95	20.0	201.8	56.8	0.8	85	19.2	229.7	57.4	1.0	94	19.2	229.7	57.4	1.0	94	19.2	229.7	57.4	1.0	94
	98		19.5	200.3	56.7	1.6	100	9.9	4.5	69.2	16.4	170.1	57.8	4.3	100	21.7	202.0	55.7	0.3	100	20.5	228.9	56.7	0.3	100	20.5	228.9	56.7	0.3	100	20.5	228.9	56.7	0.3	100
	98		19.0	186.4	57.8	0.8	100	10.7	5.2	67.1	16.0	154.0	58.7	2.2	99	21.8	192.1	56.5	0.0	100	19.3	213.2	58.1	0.3	100	19.3	213.2	58.1	0.3	100	19.3	213.2	58.1	0.3	100
	106	C250	21.0	208.7	55.8	1.8	93	9.2	4.7	69.9	16.5	179.2	58.0	3.1	94	23.1	206.8	54.8	0.7	88	23.0	240.1	54.7	1.7	96	23.0	240.1	54.7	1.7	96	23.0	240.1	54.7	1.7	96
	98	C125	21.4	207.4	55.7	1.2	99	9.3	3.8	71.2	17.3	165.9	57.6	2.6	99	23.8	203.0	54.1	0.0	100	23.0	253.2	55.4	1.0	99	23.0	253.2	55.4	1.0	99	23.0	253.2	55.4	1.0	99
	102		19.9	205.8	55.3	0.7	96	9.3	5.0	69.1	15.5	176.4	57.4	1.5	96	22.6	203.3	53.5	0.4	95	21.6	237.8	55.1	0.3	98	21.6	237.8	55.1	0.3	98	21.6	237.8	55.1	0.3	98
AVERAGE HIGHEST LOWEST CV (%) LSD (.05%)	103	C250	19.3	212.4	57.8	1.4	98	9.9	4.8	69.4	15.1	168.1	57.2	2.8	100	20.0	214.4	57.5	0.3	95	22.8	254.7	58.8	1.0	98	22.8	254.7	58.8	1.0	98	22.8	254.7	58.8	1.0	98
			19.5	204.2	56.9	1.6	97	9.5	4.5	69.6	16.0	169.4	58.1	3.8	98	21.7	204.2	55.8	0.3	94	20.9	239.0	56.8	0.8	98	20.9	239.0	56.8	0.8	98	20.9	239.0	56.8	0.8	98
			23.0	220.3	59.0	7.1	100	10.8	5.2	71.4	18.1	184.2	59.9	19.2	100	25.0	214.4	58.3	1.3	100	26.0	275.4	59.4	2.6	100	26.0	275.4	59.4	2.6	100	26.0	275.4	59.4	2.6	100
			16.7	186.4	54.0	0.4	89	8.6	3.8	67.1	14.7	149.5	56.6	0.8	91	18.7	179.9	52.8	0.0	83	16.5	213.2	52.5	0.0	92	16.5	213.2	52.5	0.0	92	16.5	213.2	52.5	0.0	92
			3.8	5.7	0.9	155	3	3.7	5.5	0.8	3.7	7.5	0.7	112	3	3.9	4.9	1.1	223	4	2.9	3.0	0.8	105	2	2.9	3.0	0.8	105	2	2.9	3.0	0.8	105	
			0.5	7.8	0.4	1.7	2	0.4	0.3	0.7	0.9	18.3	1.2	6.1	4	1.2	14.5	0.9	1.8	10	1.7	10.3	0.6	2.4	6	1.7	10.3	0.6	2.4	6	1.7	10.3	0.6	2.4	6

2 Year Averages			LATE TRIAL AVERAGE										% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
BRAND / HYBRID	RM	TRT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
BAYSIDE NorthGro NG5570RR DEKALB DK047-10 (RR2Y/GCB) DEKALB DK048-52 (RR2) DEKALB DK050-20 (RR2Y/GCB) DEKALB DK052-47 (RR2Y/GCB) GARST 8590RR RENK RK636RRY/GCB	101		22.8	192.3	54.3	1.0	94	9.1	3.7	64.6	21.8	160.0	53.9	1.5	96	23.4	192.5	53.7	0.3	90	23.3	224.5	55.4	1.2	96	23.3	224.5	55.4	1.2	96	23.3	224.5	55.4	1.2	96
	97		20.0	199.1	56.6	1.8	100	8.0	4.1	63.9	20.1	164.5	55.3	3.3	100	20.5	208.8	56.7	0.4	100	19.5	224.1	57.9	1.7	100	19.5	224.1	57.9	1.7	100	19.5	224.1	57.9	1.7	100
	98		20.4	203.2	55.2	4.4	98	7.9	4.5	64.4	20.2	176.5	54.4	10.1	100	20.3	209.7	55.6	1.8	96	20.7	223.6	55.6	1.2	99	20.7	223.6	55.6	1.2	99	20.7	223.6	55.6	1.2	99
	100		21.0	204.1	55.7	0.5	100	8.2	4.2	64.6	20.6	172.3	54.9	1.1	99	21.3	211.6	56.0	0.2	100	21.3	228.3	56.3	0.2	100	21.3	228.3	56.3	0.2	100	21.3	228.3	56.3	0.2	100
	102		21.0	210.6	54.9	0.5	100	8.7	4.5	63.9	20.7	171.9	53.8	1.1	100	20.7	217.3	55.5	0.2	99	21.6	242.5	55.4	0.2	100	21.6	242.5	55.4	0.2	100	21.6	242.5	55.4	0.2	100
	105		24.4	196.3	53.0	1.4	99	8.3	4.4	64.5	23.4	153.2	52.6	2.4	99	25.0	205.3	53.0	1.2	100	24.7	230.6	53.5	0.5	99	24.7	230.6	53.5	0.5	99	24.7	230.6	53.5	0.5	99
	102																																		

HYBRID INDEX FOR GRAIN TRIALS

The 259 hybrids submitted for grain testing by 34 seed companies (36 brand names) resulted in 439 individual entries in the 2005 Michigan Corn Performance Trials for grain. The map of Michigan (page 7) shows each zone and the locations where the trials were located. Zones 1, 2 and 3 were divided into two maturity groups (designated early and late) on the basis of the maturity ratings (RM) submitted by the companies with results listed in separate tables. Below is a listing of company names, brand names, hybrid numbers, RM, the table designation and an E (early) or L (late) for each hybrid.

Zone 1 Tables 1E/1L Branch Cass Lenawee Trial Average	Zone 2 Tables 2E/2L Ingham Kent Saginaw Trial Average	Zone 3 Tables 3E/3L Huron Mason Montcalm Trial Average	Zone 4 Table 4 Alpena Delta - Late Grand Traverse Trial Average	Zone 5 Table 5 Alger Delta - Early Trial Average	Glyphosate Trial Tables 6E/6L Huron - Zone 3 Montcalm - Zone 3 Saginaw - Zone 2 Trial Average
AGRICOLD HYBRIDS	RM Tables	CROPLAN GENETICS (continued)	RM Tables	UAP NORTHEAST	RM Tables
AGRICOLD A6225BtRR	100 2E,6L	CROPLAN 364RR/Bt	95 2E,3E,6E	DYNAGRO 51K74	83 4
AGRICOLD A6305Bt	100 2E	CROPLAN 412HX/LL	100 2E,3L	DYNAGRO 51P88	88 4
AGRICOLD A6333	104 2L	CROPLAN 421RR/Bt	100 2E,3L,6L	DYNAGRO 53F09	95 2E,3E
AGRICOLD A6341CL	104 2L	CROPLAN 491Bt	102 2L,3L	DYNAGRO 53F49	92 3E
AGRICOLD A6391CL	106 1E	CROPLAN 503RR2/Bt	104 2L,6L	DYNAGRO 53K98	95 3E
AGRICOLD A6395	107 1E	CROPLAN 576Bt	106 2L	DYNAGRO 53P30	92 3E
AGRICOLD A6454	110 1L	CROPLAN 591	108 2L	DYNAGRO 54K11	96 2E,3L
				DYNAGRO 54K61	97 2E,3L
				DYNAGRO 54P72	99 2E,6L
MONSANTO		DAHLCO SEEDS		DYNAGRO 55N37	103 1E
ASGROW RX668RR2/YGCB	107 1L	DAHLCO DS2482Bt	96 3L	DYNAGRO 55P41	102 2L
ASGROW RX715RR2	111 1L	DAHLCO DS3920Bt	91 3E	DYNAGRO 56N17	108 1L
		DAHLCO DS4013Bt	103 2L	DYNAGRO 57B47	111 1L
		DAHLCO DS4051Bt	105 2L	DYNAGRO CX04179	79 5
BAYSIDE SEEDS, LLC		DAIRYLAND SEEDSCO., Inc.		DYNAGRO CX05103	102 2L
BAYSIDE 1700	100 2E,3L	DAIRYLAND STEALTH-1476	76 5	DYNAGRO CX05806	106 1E
BAYSIDE 1795	95 2E,3E	DAIRYLAND STEALTH-1488	88 4		
BAYSIDE 2090	90 4	DAIRYLAND STEALTH-1503	100 2E	GARST SEED COMPANY	
BAYSIDE 2103	103 1E,2L,3L	DAIRYLAND STEALTH-1598	98 2E	GARST 8445	111 1L
BAYSIDE 4095YGCB	95 2E,3E	DAIRYLAND STEALTH-1606RR	106 2L	GARST 8454YG1	112 1L
BAYSIDE 4100	100 2E,3L	DAIRYLAND STEALTH-1705	105 1E,2L	GARST 8590RR	105 2L,6L
BAYSIDE 4105	105 1E,2L	DAIRYLAND STEALTH-1709	109 1L	GARST 8665YG1	104 2L
BAYSIDE NorthGro NG1541RR	81 4	DAIRYLAND STEALTH-1785	85 4	GARST 8676IT	105 1E,2L
BAYSIDE NorthGro NG5072RR	93 2E,3E,6E	DAIRYLAND STEALTH-5007	103 1E	GARST 8689IT	104 1E,2L
BAYSIDE NorthGro NG5518RR	95 2E,3E,6E	DAIRYLAND STEALTH-5201	101 2L	GARST 8880YG1	95 2E,3E
BAYSIDE NorthGro NG5570RR	101 2L,3L,6L	DAIRYLAND STEALTH-5204	104 1E,2L	GARST 8881RR	95 2E,6E
BAYSIDE Super 75	75 4,5	DAIRYLAND STEALTH-5497	98 2E,3L	GARST 8921YG1/RR	90 3E,4,6E
BAYSIDE Super 80	80 4	DAIRYLAND STEALTH-5503	105 1E	GARST 8922YG1	91 3E
BAYSIDE Super 82	82 4	DAIRYLAND STEALTH-5611	111 1L		
BAYSIDE Super 86	86 4	DAIRYLAND STEALTH-6503	103 3L	GOLDEN HARVEST SEEDS, INC.	
BAYSIDE Super 93	93 2E,3E	DAIRYLAND STEALTH-7191	91 4	GOLDEN HARVEST H-6565RR	90 3E,4
BAYSIDE Super 105	105 2L			GOLDEN HARVEST H-6907RR	95 2E,3E,4
BECK'S SUPERIOR HYBRIDS		MONSANTO		GOLDEN HARVEST H-7007Bt	95 2E,3E,4
BECK 4996	105 1E	DEKALB DKC35-02 (RR2/YGCB)	85 4,5	GOLDEN HARVEST H-7299Bt/RR	98 2E
BECK 5222	108 1L	DEKALB DKC37-14 (RR2)	87 3E,4,5,6E	GOLDEN HARVEST H-8473	107 1E
		DEKALB DKC40-05	90 3E,4	GOLDEN HARVEST H-8920	111 1L,2L
BIO GENE SEEDS		DEKALB DKC42-95 (RR2/YGCB)	92 2E,3E,6E	GOLDEN HARVEST H-9166	113 1L
BIO GENE BG1077	107 1E	DEKALB DKC47-10 (RR2/YGCB)	97 2E,3L,6L		
BIO GENE BG1087LL	108 1L	DEKALB DKC48-52 (RR2)	98 2E,3L,6L	GREAT LAKES HYBRIDS	
BIO GENE BG1119	109 1L	DEKALB DKC48-60	98 2E,3L	GREAT LAKES 4206RR	92 3E,6E
		DEKALB DKC50-20 (RR2/YGCB)	100 2E,6L	GREAT LAKES 4415BtRR	94 3E
BROWN SEED FARMS, INC.		DEKALB DKC52-23 (RR2/YGCB)	102 2L,6L	GREAT LAKES 4521RR	95 3E
BROWN 3000YGCB	90 3E	DEKALB DKC52-47 (RR2/YGCB)	102 1E,2L,6L	GREAT LAKES 4689BtRR	96 3L,6E
BROWN 5636	98 2E,3L	DEKALB DKC54-51 (YGCB)	104 1E,2L	GREAT LAKES 5110BtRR	101 2L,3L,6L
BROWN 6723wx	105 1E	DEKALB DKC55-82 (RR2)	105 1E	GREAT LAKES 5377BtRR	103 2L
		DEKALB DKC57-30	107 1E	GREAT LAKES 5711Bt	107 2L
CORN BELT HYBRIDS		DEKALB DKC57-84 (YGCB)	107 1E	GREAT LAKES 5922	109 2L
CORN BELT C435YGCB	95 2E	DEKALB DKC58-80 (RR2/YGCB)	108 1L	GREAT LAKES 5961BtRR	109 2L,6L
CORN BELT C543	104 2L	DEKALB DKC61-45 (RR2/YGCB)	111 1L		
CORN BELT C599HX1.L	109 1L	DEKALB DKC61-50	111 1L	GRIES SEED FARMS, INC.	
		DEKALB DKC61-72 (RR2)	111 1L	GRIES X590	90 2E,3E
CROPLAN GENETICS				GRIES X598	98 1E
CROPLAN 314RR/Bt	92 2E,3E,4,6E			GRIES X5102	102 1E
CROPLAN 334Bt	92 3E				

TRELAY SEED COMPANY

HIGH CYCLE HC4G721
HIGH CYCLE HC5B353
HIGH CYCLE HC5B739
HIGH CYCLE HC5P825
HIGH CYCLE HC5P947
HIGH CYCLE HC6N813
HIGH CYCLE HC7242YGCB
HIGH CYCLE HC7454YGCB
HIGH CYCLE HC7560YGCB
HIGH CYCLE HC7B716
HIGH CYCLE HC8B524

RM Tables

96 3E
100 2E
105 2L
104 2L
99 3L
103 2L,6L
90 4
98 3L
100 2E,3L
110 1L
114 1L

HYLAND SEEDS

HYLAND SEEDS HL2093
HYLAND SEEDS HL2222
HYLAND SEEDS HL2288
HYLAND SEEDS HL2368
HYLAND SEEDS HL2507
HYLAND SEEDS HL2676
HYLAND SEEDS HLB258
HYLAND SEEDS HLB264
HYLAND SEEDS HLB282
HYLAND SEEDS HLB292
HYLAND SEEDS HLB344
HYLAND SEEDS HLR219
HYLAND SEEDS HLR228
HYLAND SEEDS HLR234
HYLAND SEEDS HLR257
HYLAND SEEDS BIXXIO RR
HYLAND SEEDS JUXXIN
HYLAND SEEDS LAXXOT Bt

76 4,5
79 4,5
85 3E
90 2E,3E
98 2E
102 1E
85 3E,4
86 3E
92 2E
98 2E
103 1E
85 3E,4,6E
84 3E,4,5,6E
90 2E,3E,4,6E
99 2E,3L,6L
74 4,5
90 2E,3E,4
94 2E

JUNG SEED GENETICS, INC.

JUNG 6202RR/YGCB
JUNG 6422RR/YGCB
JUNG 6432YGCB
JUNG 6499YGCB
JUNG 6545YGCB
JUNG 6710RR/YGCB

83 5
99 2E
95 3E
98 3L
105 1E,2L
112 1L

LEGACY BRAND HYBRIDS, INC.

LEGACY 35B75
LEGACY 36H67
LEGACY 36M94
LEGACY 37L84
LEGACY EX310
LEGACY EX425
LEGACY EX475

104 2L
96 3L
100 2E
94 3E
112 1L
108 1L
109 1L

MAIZELEAF

MAIZELEAF ML42Y90
MAIZELEAF ML45Y95
MAIZELEAF ML46G02

90 3E
95 2E,3L
102 2L

MYCOGEN SEEDS

MYCOGEN 2A498
MYCOGEN 2D673
MYCOGEN 2G626
MYCOGEN 2J086
MYCOGEN 2P172
MYCOGEN 2R426
MYCOGEN 2D555

99 3L
109 1L
105 2L
80 5
84 4
96 3L
103 2L

SYNGENTA SEEDS

NK Brand N03-D8
NK Brand N12-G3
NK Brand N16-M1
NK Brand N18-F2
NK Brand N29-A2

68 5
77 5
82 4
84 4,5
92 3E

SYNGENTA SEEDS (continued)

NK Brand N3030Bt
NK Brand N33-Z7
NK Brand N34-F1
NK Brand N35-B8
NK Brand N36-R6
NK Brand N41-P1
NK Brand N41-R9
NK Brand N45-A6
NK Brand N50-P5
NK Brand N51-Z7
NK Brand N58-L8
NK Brand N61-V4
NK Brand N65-C5
NK Brand N69-P9
NK Brand N71-Z3

PARTNERS BRAND

PARTNERS BRAND 380RR
PARTNERS BRAND 410RRYGPlus
PARTNERS BRAND 427RRYGPlus
PARTNERS BRAND 479
PARTNERS BRAND 479RRYGCB
PARTNERS BRAND 525HX1
PARTNERS BRAND 528YGCB
PARTNERS BRAND 531
PARTNERS BRAND 537YGCB
PARTNERS BRAND 546
PARTNERS BRAND 566
PARTNERS BRAND 578
PARTNERS BRAND 584YGCB
PARTNERS BRAND EX138
PARTNERS BRAND EX180Bt
PARTNERS BRAND EX4538231Bt

RM Tables

93 3E
94 3E,6E
94 3E
95 3E
96 2E
98 2E,3L,6L
98 2L,3L,6L
100 2E,3L
102 1E,2L
104 1E,2L
106 2L,6L
107 1E
108 1L
109 1L
110 1L

PIONEER HI-BRED INTERNATIONAL

PIONEER 33N09
PIONEER 34A16
PIONEER 34D72
PIONEER 34P88
PIONEER 35A30
PIONEER 35Y33
PIONEER 36W66
PIONEER 37D25
PIONEER 37F73
PIONEER 38B12
PIONEER 38B85
PIONEER 38H64
PIONEER 38T41
PIONEER 38W22
PIONEER 39D82
PIONEER 39F28
PIONEER 39P78

114 1L
110 1L
107 1E,2L
110 1L
104 1E,2L
107 1E,2L
102 1E,2L
97 2E,3L
99 2E,3L
88 4,5
96 3L
99 2E,3L
94 3E,4
92 3E,4
87 5
88 5
72 5

RENK SEED COMPANY

RENK RK192
RENK RK438RRYGCB
RENK RK438YGCB
RENK RK452LLYGCB
RENK RK488RR
RENK RK488YGCB
RENK RK632YGCB
RENK RK636RRYGCB
RENK RK652LLYGCB
RENK RK684
RENK RK772YGCB
RENK RK854YGCB
RENK RK877YGCB

78 5
92 3E,6E
92 3E
95 2E
95 2E,3E,6E
96 2E,3L
100 1E,2E,3L
102 2E,3L,6L
104 1E,2L
105 1E,2L,3L
104 1E,2L,3L
112 1L
112 1L

RUPP SEEDS, INC.

RUPP XR1609
RUPP XR1612
RUPP XR1708
RUPP XR1745
RUPP XR1784
RUPP XR1810
RUPP XR8544
RUPP XR8624

RM Tables

101 2L,3L
103 1E,2L,3L
106 1E
108 1L
108 1L
110 1L
108 1L
102 1E,2L

SEED CONSULTANTS, INC.

SEED CONSULTANTS SC10H25
SEED CONSULTANTS SC10B36
SEED CONSULTANTS SC10B94
SEED CONSULTANTS SC10B96

102 1E
103 1E
109 1L
109 1L

SPANGLER SEEDTECH, INC.

SPANGLER 1223
SPANGLER 1303

80 5
82 5

STEYER SEEDS

STEYER 1030
STEYER 1104
STEYER 2050

103 1E
110 1L
97 2E

TRELAY SEED COMPANY

TRELAY 4200
TRELAY 7012
TRELAY 8501
TRELAY SP651

95 2E
105 1E,2L
108 1L
102 2L

TRISLER SEED FARMS, INC.

TRISLER T-2475CB
TRISLER T-2744CB
TRISLER T-2850CB
TRISLER T-5130RRCB
TRISLER T-5240CB

100 1E
102 1E
105 1E
107 1E
109 1L

UNITY AG DIRECT, INC.

UNITY SEEDS 6100
UNITY SEEDS 6104A

100 2E
104 1E

ROYSTER-CLARK, INC.

VIGORO V3160
VIGORO V32YR62
VIGORO V35R66
VIGORO V4160
VIGORO V41H61
VIGORO Ex434002
VIGORO V43Y31
VIGORO V43YR52
VIGORO V4530
VIGORO V46P42
VIGORO V46Y41
VIGORO V5050
VIGORO V50D37
VIGORO V50Y51
VIGORO V51P42

91 3E
92 3E,4,6E
95 2E,3E,6E
101 2L,3L
101 2L,3L
103 1E,2L,3L
103 2L,3L
103 1E,2L,6L
105 2L
106 1E
106 1E,2L
110 1L
110 1L
111 1L
110 1L

WELLMAN SEEDS, INC.

WELLMAN W2610
WELLMAN W6106

110 1L
106 1E

WOLF RIVER VALLEY SEEDS

WOLF RIVER VALLEY WRV2482RR
WOLF RIVER VALLEY WRV9373
WOLF RIVER VALLEY WRV9983

82 5
73 5
83 5

2005

Silage Performance Trials

Introduction

Nine Michigan locations (see map) containing 15 silage trials were harvested. The silage index (pg. 48) contains a list of all hybrids planted in the 2005 silage trials. In cooperation with Ohio State University, a third location in Wood County, NW Ohio was included in our Zone 1 silage trial. (OSU handled planting and field care while MSU handled harvest and data analysis).

County silage results are reported in the following tables:

Tables 7E and 7L.

Zone 1 - Branch, Lenawee, and Wood (Ohio)

Tables 8E and 8L.

Zone 2 - Ingham, Kent, and Zone 3 - Huron

Table 9.

Zone 4 - Alpena, Osceola and Delta (late)

Table 10.

Zone 5 - Delta (early) and Alger

Hybrids are reported in alphabetical order in each of the tables. Results are also posted on our Web site:

<http://www.css.msu.edu/varietytrials/>

Methods

Testing procedures (randomization, replication, planting rates, etc.) for silage evaluation are the same as those utilized for the grain trials. Plots were four rows wide, and the center two rows were harvested for yield and quality.

Silage plots were harvested with a two-row self-propelled forage harvester. Electronic scales mounted on the chopper measured plot weights. Total plot weight is used to calculate green tons per acre (**GT/A**). Sub samples were collected (fodder plus grain), weighed, oven dried until weight loss was zero, then weighed again to determine the percent dry matter (**%DM**). Dry tons per acre (**DT/A**) is calculated using GT/A multiplied by %DM. The samples were ground using a 1.0 mm screen before conducting quality analysis using NIR (near infrared reflectance).

Silage Analysis

All silage tables provide silage quality data as determined by NIR analysis on freshly dried samples. Data is provided for individual locations and also averaged over multiple locations. Near infrared spectral analysis involves irradiating the ground sample with light in the near infrared spectrum (1,100 to 2,500 nm). The illuminated sample absorbs light proportional to specific chemical and physical properties. The reflected energy is measured and

correlated statistically with established forage quality levels. Results of the five quality traits analyzed are presented in the quality tables. The six quality traits are:

1. **IVD= (in vitro) digestible dry matter.** This is a measure of forage digestibility.
2. **ADF=acid detergent fiber.** Acid detergent fiber represents the less digestible portion of the corn forage, containing cellulose, lignin and heat damaged protein. ADF is closely related to the digestibility of forages. Lower ADF implies the forage is more digestible. More mature plant material will contain higher ADF concentrations. A low concentration of ADF is desirable.
3. **NDF=neutral detergent fiber.** This is a measure of the fiber content of the corn forage. It is less digestible than non-fiber constituents of the forage. Forages with high NDF levels have lower energy. NDF is also a measure of potential forage intake. High NDF levels decrease the potential forage intake. Low NDF content is desirable.
4. **NDFD=neutral detergent fiber digestibility.** The portion of neutral detergent fiber digested by animals at a specified level of feed intake. High NDFD is desirable.

2005 Silage Trial Locations

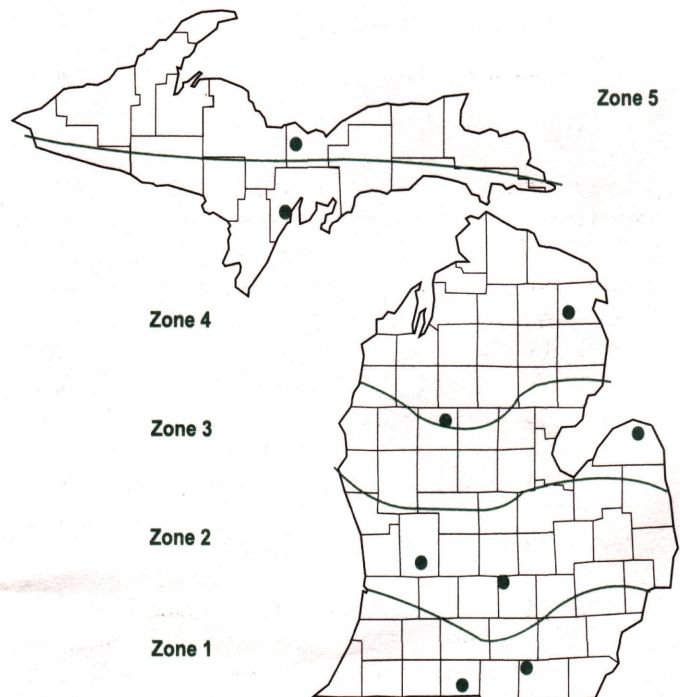


TABLE C.

AGRONOMIC TABLES FOR SILAGE TRIAL LOCATIONS

COUNTY		PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	BRANCH	April 28	Sept. 9	Corn	29,539	28,505	195 - 49 - 40
	LENAWEE	April 29	Sept. 6,9	Soybean	29,539	28,501	171 - 37 - 30
	WOOD (OHIO)	May 9	Aug. 29 Sept. 9	Wheat	34,848	33,280	210 - 130 - 160
Zone 2	KENT	April 25	Sept. 2,8	Corn	27,266	25,903	145 - 49 - 190
	INGHAM	April 30	Aug. 2 Sept. 8	Soybean	27,266	27,130	154 - 49 - 40
	HURON	May 9	Sept. 8,19	Sugar Beets	27,266	26,721	165 - 49 - 40
Zone 4	ALPENA	May 9	Sept. 14	Corn	26,509	25,714	14 - 49 - 40 + Manure
	OSCEOLA	May 10	Sept. 15	Corn	26,509	24,653	165 - 57 - 40
	DELTA	May 6	Sept. 13	Alfalfa	26,509	25,581	120 - 49 - 40 +Manure
Z5	ALGER	May 6	Sept. 13	Corn	24,237	23,025	184 - 94 - 110 +Manure

COUNTY		SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Oshtemo Sandy Loam	pH 6.8 P 113, K 147	Kyle Huff	Coldwater
	LENAWEE	Blount Loam	pH 7.15 P 129, K 166	Bakerlad Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville Clay	pH 6.1 P149, K 341	Matt Davis OARDC	Hoytville, Ohio
Zone 2	KENT	Marlette loam	pH 6.2 P 278, K 257	John Oesch	Alto
	INGHAM	Capac Loam	pH 6.1 P 56, K 228	Crop & Soil Sciences Research Facility, MSU	East Lansing
	HURON	Kilmanagh Loam	pH 6.9 P 116, K 209	Wil-Le Farms William, Ron, & Ed McCrea	Bad Axe
Zone 4	ALPENA	Onaway Loam	pH 7.7 P 28, K 86	Corby & Fred Werth	Alpena
	OSCEOLA	Chelsea Sand	pH 7.2 P 83, K 234	Robert E. Lee	Marion
	DELTA	Onaway Sandy Loam	pH 6.4 P 84, K 56	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.5 P 90, K 196	Upper Peninsula Experiment Station, MSU	Chatham

5. **CP=crude protein.** Forages are generally supplemented with high protein concentrates such as soybean meal to increase the protein content of ruminant diets. Corn hybrids with high protein levels require less supplementation and therefore result in lower feed costs. High protein content is desirable.

6. **STRCH=starch.** Starch from the grain, along with the digestible component of the fiber, accounts for the majority of the energy in corn silage.

Silage quality traits are reported on a dry matter basis (100 percent DM). Quality traits in these tables are intended for use in hybrid selection only. Analysis for the balancing of feed rations should be analyzed from hybrids grown on each individual farm.

MILK2000

A calculation using the MILK2000 equation (UW-Madison Dairy Science Department) estimates MK/T (milk per ton) and MK/A (milk per acre). MILK2000 estimates the dry matter intake using the NDF and CWD (cell wall digestibility) parameters of the sample. MILK2000 assumes the weight of the cow is 1,350 lbs. and that it consumes a 30 percent NDF diet. Using National Research Council (NRC, 1989) energy requirements, the estimated intake of energy from corn silage is converted to milk per ton. Milk per acre is then calculated using the estimated values for milk per ton and dry matter yield per acre.

TABLE 7E.

BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - EARLY (110 Day and Earlier)

ZONE 1

2005				EARLY - TRIAL AVERAGE										BRANCH - EARLY										MILK 2000					
RM	TRT	BRAND / HYBRID		YIELD				% QUALITY						MILK 2000				YIELD				% QUALITY						MKT	MK/A
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch				
110	P250	ASGROW RX702YG		46.6	18.2	8.4	99	81.8	17.6	35.7	48.8	6.4	43.3	3275	27516	50.0	18.6	9.3	100	81.0	16.5	34.0	44.2	6.2	45.7	3122	28876		
110		BALDRIDGE BH609		40.3	17.7	7.0	90	80.7	21.3	41.3	53.1	7.5	32.7	3377	23721	45.5	16.9	7.7	93	81.8	18.4	36.9	50.7	7.3	38.7	3351	25619		
110	P250	CAMPBELL 6990		46.1	18.7	8.6	98	81.6	19.1	37.3	50.5	6.1	41.9	3296	28221	49.3	17.9	8.8	98	81.8	17.3	34.4	47.1	6.0	44.1	3220	28305		
106	P250	DAIRYLAND HI DF-3007		43.9	20.4	8.9	96	82.3	18.6	36.4	51.3	6.3	41.3	3400	30156	49.0	19.2	9.4	97	82.8	16.8	33.9	48.9	6.1	43.9	3322	31137		
108	P250	DAIRYLAND STEALTH-1611		45.3	18.7	8.4	99	80.9	19.7	38.1	49.5	6.1	40.5	3251	27413	49.6	18.2	9.0	98	81.4	16.9	33.8	44.9	5.9	45.7	3168	28507		
102	P250	DEKALB DKC52-23 (RR2/YGCB)		50.3	16.3	8.1	97	82.1	17.4	34.9	48.3	6.2	44.7	3250	26361	52.6	15.4	8.1	94	81.6	17.0	34.2	46.2	6.2	44.5	3189	25745		
104	P250	DEKALB DKC54-47 (RR2/YGPL)		45.2	19.1	8.6	97	82.2	17.6	34.9	49.0	6.8	42.0	3328	28636	48.3	17.6	8.5	97	81.5	16.9	33.8	45.2	6.6	42.3	3212	27248		
105	P250	DEKALB DKC55-82 (RR2)		49.2	17.2	8.3	100	81.0	18.6	37.0	48.4	6.5	42.1	3201	26626	50.5	17.3	8.8	100	79.5	19.3	37.8	45.8	6.2	41.7	3063	26796		
107	P250	DEKALB DKC57-30		52.2	16.1	8.4	91	81.3	17.5	35.2	46.6	6.4	45.5	3135	26208	54.5	14.6	8.0	89	81.2	16.3	32.9	42.9	6.4	47.8	3111	24737		
107	P250	DEKALB DKC57-84 (YGCB)		47.7	18.3	8.7	100	82.7	17.0	34.1	48.6	6.3	44.2	3301	28716	50.0	19.1	9.6	100	82.9	15.1	31.2	45.1	6.2	46.8	3256	31098		
110	P250	GRIES X5112		42.6	20.5	8.7	95	81.5	18.9	36.9	49.5	6.7	39.6	3344	29057	47.0	18.7	8.8	96	82.0	16.7	33.7	46.5	6.7	42.6	3264	28640		
108	C250	NK Brand N65-Y3		45.6	18.6	8.4	96	82.1	19.3	36.9	51.3	6.1	39.8	3342	28195	47.8	18.5	8.8	94	82.1	18.4	35.5	49.4	6.0	40.7	3303	29100		
108	P250	PIONEER 34A86		49.2	18.2	8.8	98	82.0	18.2	36.7	50.5	6.6	42.6	3276	28973	52.9	17.0	9.0	94	81.5	17.2	35.4	47.7	6.4	45.2	3193	28650		
108	P250	PIONEER 35D28		48.1	18.9	9.0	95	82.0	18.2	36.2	50.0	6.4	43.5	3286	29453	50.8	18.1	9.1	94	82.2	16.9	34.0	47.4	6.2	45.6	3238	29488		
102	P250	PIONEER 36K67		46.2	17.6	8.0	92	82.1	17.8	35.2	48.8	6.4	43.6	3286	26391	48.4	16.3	7.9	88	82.5	16.5	33.0	46.8	6.4	45.1	3282	25749		
106	P250	RUPP XS1650		45.6	19.0	8.6	90	80.1	20.1	38.5	48.1	6.3	40.0	3184	27225	48.3	17.9	8.7	89	79.3	19.2	37.1	44.3	6.1	41.5	3043	26333		
105	P250	TRELAY 7012		49.1	16.9	8.2	96	82.7	17.2	34.2	49.0	6.7	45.0	3299	26971	53.2	15.5	8.2	93	81.3	16.7	33.6	44.2	6.6	46.4	3137	25656		
110	C250	VIGORO V51P42		45.1	17.9	8.0	87	81.6	18.9	37.0	50.0	6.5	41.3	3297	26326	48.1	17.4	8.4	81	81.5	16.9	34.5	46.3	6.5	42.5	3203	26818		
AVERAGE				46.6	18.2	8.4	95	81.7	18.5	36.5	49.5	6.5	41.9	3285	27565	49.8	17.5	8.6	94	81.5	17.2	34.4	46.3	6.3	43.9	3204	27695		
HIGHEST				52.2	20.5	9.0	100	82.7	21.3	41.3	53.1	7.5	45.5	3400	30156	54.5	19.2	9.6	100	82.9	19.3	37.8	50.7	7.3	47.8	3351	31137		
LOWEST				40.3	16.1	7.0	87	80.1	17.0	34.1	46.6	6.1	32.7	3135	23721	45.5	14.6	7.7	81	79.3	15.1	31.2	42.9	5.9	38.7	3043	24737		
CV (%)				5.1	6.6	5.8	4	1.5	8.4	6.6	3.2	4.1	6.1	3	6	4.9	6.6	6.0	4	1.4	8.4	6.7	3.4	3.4	5.8	2	7		
LSD (.05%)				1.6	0.8	0.3	2	0.8	1.1	1.6	1.1	0.2	1.7	59	1178	2.9	1.4	0.6	5	1.3	1.7	2.7	1.9	0.3	3.0	87	2163		

2 Year Averages			EARLY - TRIAL AVERAGE										BRANCH - EARLY															
BRAND / HYBRID	RM	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000	
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch	MK/T	MK/A			
ASGROW RX702YG	110	44.9	19.4	8.6	** 98	82.2	17.2	34.7	48.5	6.5	43.0	3337	28715	45.4	21.2	9.5	** 100	82.3	16.2	33.2	46.7	6.4	44.3	3329	31581			
DAIRYLAND STEALTH-1611	108	44.5	18.9	8.4	* 98	81.4	18.4	36.0	48.1	6.2	42.1	3287	27488	47.7	18.7	8.9	99	81.9	16.8	33.5	45.9	6.1	45.5	3225	28577			
PIONEER 35D28	108	45.6	18.0	8.2	96	82.5	18.1	35.6	50.7	6.5	42.8	3376	27497	45.6	18.3	8.3	96	82.8	17.2	34.1	49.6	6.5	44.0	3403	28119			
RUPP XS1650	106	44.8	18.8	8.4	*	91	80.2	19.6	37.5	47.2	6.5	40.2	3198	26708	45.6	19.4	8.8	91	79.9	19.1	36.6	45.3	6.3	41.5	3144	27561		
TRELAY 7012	105	47.0	17.0	7.9	96	82.9	17.0	33.5	48.8	6.7	44.9	3347	26409	47.3	16.7	7.8	95	82.5	16.7	33.0	46.9	6.6	45.4	3334	25883			
AVERAGE		45.4	18.4	8.3	96	81.9	18.1	35.4	48.7	6.5	42.6	3309	27363	46.3	18.8	8.6	96	81.9	17.2	34.1	46.9	6.4	44.1	3287	28344			
HIGHEST		47.0	19.4	8.6	98	82.9	19.6	37.5	50.7	6.7	44.9	3376	28715	47.7	21.2	9.5	100	82.8	19.1	36.6	49.6	6.6	45.5	3403	31581			
LOWEST		44.5	17.0	7.9	91	80.2	17.0	33.5	47.2	6.2	40.2	3198	26409	45.4	16.7	7.8	91	79.9	16.2	33.0	45.3	6.1	41.5	3144	25883			
CV (%)		6.0	8.3	6.6	3	1.4	7.9	6.1	3.6	4.1	5.8	3	7	4.8	8.4	6.8	4	1.3	7.5	5.9	3.9	3.6	5.1	3	7			
LSD (.05%)		1.5	0.8	0.3	2	0.6	0.8	1.2	0.9	0.1	1.3	49	1023	1.9	1.3	0.5	3	0.9	1.1	1.7	1.5	0.2	1.9	68	1643			

2005			LENAWEE - EARLY										WOOD (OHIO) - EARLY															
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000								
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A		
ASGROW RX702YG	110	P250	49.2	15.6	7.7	100	82.9	15.9	33.1	48.3	6.7	45.2	3279	25204	40.7	20.5	8.3	97	81.6	20.4	40.0	54.1	6.3	39.1	3426	28467		
BALDRIDGE BH609	110		40.6	16.1	6.5	85	82.5	19.0	37.7	53.5	8.1	35.6	3520	22876	34.8	20.0	7.0	92	77.9	26.5	49.4	55.3	7.1	23.8	3259	22667		
CAMPBELL 6990	110	P250	48.6	17.7	8.5	100	81.7	18.1	36.0	49.2	6.3	44.0	3245	27585	40.5	20.7	8.4	95	81.4	21.9	41.6	55.2	6.1	37.6	3424	28774		
DAIRYLAND HI DF-3007	106	P250	43.9	19.8	8.7	**	99	83.1	18.1	35.2	51.9	6.6	42.0	3446	29856	38.8	22.2	8.6	93	81.2	21.0	40.2	53.2	6.4	38.0	3433	29474	
DAIRYLAND STEAL TH-1611	108	P250	46.0	17.1	7.9	100	80.2	20.4	39.0	49.3	6.2	38.7	3193	25132	40.5	20.8	8.4	97	81.0	21.8	41.7	54.5	6.1	37.1	3393	28601		
DEKALB DKC52-23 (RR2/YGCB)	102	P250	54.4	14.8	8.0	98	82.4	15.6	32.3	45.4	6.3	48.3	3191	25631	43.8	18.8	8.2	100	82.2	19.5	38.2	53.4	6.1	41.4	3369	27706		
DEKALB DKC54-47 (RR2/YGPL)	104	P250	44.6	18.7	8.3	*	98	83.2	17.0	33.3	49.5	7.1	43.5	3401	28241	42.9	21.1	9.0	*	82.1	19.0	37.7	52.4	6.8	40.1	3371	30418	
DEKALB DKC55-82 (RR2)	105	P250	54.3	14.0	7.6	100	82.7	15.0	31.7	45.2	7.0	47.4	3212	24334	42.9	20.2	8.7	99	81.0	21.7	41.6	54.3	6.5	37.3	3328	28747		
DEKALB DKC57-30	107	P250	52.5	16.1	8.4	*	92	81.2	17.1	34.9	46.2	6.5	45.3	3138	26275	49.6	17.7	8.8	*	81.3	19.3	37.9	50.7	6.3	43.3	3157	27613	
DEKALB DKC57-84 (YGCB)	107	P250	50.2	15.9	8.0	100	83.1	15.6	31.8	46.7	6.6	46.6	3263	26202	43.0	19.9	8.5	100	82.0	20.2	39.2	54.1	6.0	39.4	3384	28847		
GRIES X5112	110	P250	42.6	20.4	8.6	*	97	82.8	17.2	34.0	49.5	7.0	42.4	3443	29689	38.3	22.6	8.7	91	79.6	22.8	43.0	52.4	6.5	33.9	3325	28843	
NK Brand N65-Y3	108	C250	45.9	16.7	7.6	95	82.6	18.3	35.3	50.6	6.3	41.2	3365	25687	43.1	20.6	8.9	*	99	81.6	21.2	40.1	54.0	6.0	37.6	3358	29798	
PIONEER 34A86	108	P250	51.1	17.0	8.6	*	100	83.3	16.3	33.3	49.5	6.8	44.8	3322	28596	43.6	20.5	9.0	*	100	81.1	21.2	41.5	54.4	6.5	37.7	3315	29674
PIONEER 35D28	108	P250	51.7	16.4	8.5	*	97	82.6	16.6	33.8	48.4	6.6	46.3	3247	27515	42.0	22.2	9.3	**	94	81.3	21.2	40.9	54.4	6.4	38.5	3372	31356
PIONEER 36K67	102	P250	47.5	16.1	7.6	94	82.2	16.9	33.4	46.7	6.5	45.3	3224	24522	42.7	20.3	8.6	95	81.6	20.2	39.2	53.0	6.4	40.4	3351	28903		
RUPP XS1650	106	P250	49.8	17.4	8.6	*	91	81.0	18.6	36.0	47.3	6.6	42.6	3160	27222	38.7	21.7	8.4	91	79.9	22.7	42.4	52.6	6.3	35.8	3348	28121	
TRELAY 7012	105	P250	50.5	16.2	8.1	*	98	84.4	14.9	30.0	48.1	6.9	48.2	3374	27332	43.6	19.0	8.3	98	82.2	20.1	39.2	54.7	6.7	40.5	3385	27924	
VIGORO V51P42	110	C250	47.0	15.7	7.3	85	81.6	18.7	36.6	49.7	6.7	42.2	3251	23800	40.2	20.6	8.3	94	81.6	21.0	40.0	54.0	6.2	39.2	3438	28358		
AVERAGE			48.3	16.7	8.0	96	82.4	17.2	34.3	48.6	6.7	43.9	3293	26428	41.6	20.5	8.5	96	81.1	21.2	40.8	53.7	6.4	37.8	3357	28572		
HIGHEST			54.4	20.4	8.7	100	84.4	20.4	39.0	53.5	8.1	48.3	3520	29856	49.6	22.6	9.3	100	82.2	26.5	49.4	55.3	7.1	43.3	3438	31356		
LOWEST			40.6	14.0	6.5	85	80.2	14.9	30.0	45.2	6.2	35.6	3138	22876	34.8	17.7	7.0	91	77.9	19.0	37.7	50.7	6.0	23.8	3157	22667		
CV (%)			6.1	8.6	6.3	4	1.7	9.8	7.6	3.7	4.5	5.7	3	7	3	3.5	4.7	5.1	3	1.4	7.3	5.6	2.5	4.2	6.8	3	5	
LSD (.05%)			3.5	1.7	0.6	5	1.7	2.0	3.1	2.2	0.4	2.9	122	2267	122	1.7	1.1	0.5	3	1.4	1.8	2.7	1.6	0.3	3.1	99	1728	

2 Year Averages			LENAWEE - EARLY												WOOD (OHIO) - EARLY														
BRAND / HYBRID	RM	YIELD				% QUALITY						MILK 2000				YIELD				% QUALITY						MILK 2000			
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MKT	MK/A				
ASGROW RX702YG	110	47.4	16.4	7.8 *	97	82.2	16.8	34.1	47.7	6.5	43.7	3270	25372																
DAIRYLAND STEALTH-1611	108	43.7	18.1	7.9 *	97	80.9	19.0	36.6	47.8	6.4	40.5	3278	25805																
PIONEER 35D28	108	48.8	16.1	7.9 *	96	82.6	17.5	34.6	49.7	6.6	44.1	3305	25923																
RUPP XS1650	106	47.5	16.9	8.0 **	91	80.6	18.8	36.4	46.9	6.6	41.0	3169	25408																
TRELAY 7012	105	49.3	16.2	8.0 **	96	83.5	15.9	31.5	47.8	6.8	46.6	3317	26459																
AVERAGE		47.3	16.8	7.9	95	82.0	17.6	34.7	48.0	6.6	43.2	3268	25793																
HIGHEST		49.3	18.1	8.0	97	83.5	19.0	36.6	49.7	6.8	46.6	3317	26459																
LOWEST		43.7	16.1	7.8	91	80.6	15.9	31.5	46.9	6.4	40.5	3169	25372																
CV (%)		7.4	10.3	7.0	3	1.6	8.9	6.7	3.8	4.4	5.8	3	8																
SD (.05%)		2.9	1.4	0.5	3	1.1	1.3	1.9	1.5	0.2	2.1	87	1707																

** Highest Yielding Hybrid
* Not Significantly Different from Highest Yielding Hybrid

2005			LATE - TRIAL AVERAGE										BRANCH - LATE													
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000						
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A
ASGROW RX715RR2	111	P250	46.0	19.7	8.9	98	81.3	17.7	34.4	45.6	6.3	43.9	3211	28694	47.1	18.5	8.7	99	81.5	16.9	33.8	45.1	6.1	44.5	3176	27554
ASGROW RX785RR2/YGCB	113	P250	44.9	20.8	9.3	100	82.5	17.4	34.1	48.6	6.2	43.7	3343	30972	48.9	19.0	9.3	100	82.4	17.0	33.6	47.7	6.1	43.9	3257	30291
BECK 6197	112	P250	41.7	21.0	8.6	99	82.0	19.4	37.6	51.9	6.6	39.9	3420	29476	44.0	18.8	8.3	100	81.3	19.0	37.0	49.6	6.2	40.3	3317	27420
BECK 7538B1	115	P250	46.0	21.0	9.4	96	80.2	20.5	39.0	49.1	6.2	40.1	3200	30169	49.8	18.6	9.2	99	80.2	19.0	37.0	46.3	6.1	42.6	3100	28612
CAMPBELL 7110	111	P250	45.0	20.4	9.0	97	82.3	17.9	34.8	48.8	6.1	43.4	3342	30195	45.9	19.1	8.7	99	81.6	18.1	35.1	47.5	5.8	42.9	3258	28422
DAIRYLAND STEAL TH-1615	111	P250	45.2	20.1	8.9	97	82.1	18.5	35.7	49.6	5.8	43.3	3323	29759	49.1	17.9	8.8	98	81.2	17.6	35.0	46.1	5.7	44.9	3157	27814
DEKALB DKC61-45 (RR2/YGCB)	111	P250	45.3	19.4	8.7	98	80.8	18.6	36.6	47.6	6.4	42.4	3231	27997	47.4	18.1	8.6	100	79.5	18.7	37.5	45.4	6.2	42.5	3076	26302
DEKALB DKC61-72 (RR2)	111	P250	45.3	19.6	8.8	99	82.5	17.0	33.6	47.6	6.4	45.0	3328	29223	48.7	17.0	8.2	100	82.7	16.5	33.0	47.6	6.2	45.5	3290	26970
DEKALB DKC63-62 (RR2)	113	P250	49.3	19.0	9.3	99	82.7	16.4	33.5	48.2	6.3	45.4	3261	30392	49.6	17.6	8.7	100	82.3	16.2	33.7	47.5	6.2	43.7	3247	28244
DYNAGRO 57F87	114	P250	45.2	21.6	9.6	**	82.3	18.6	35.6	50.3	5.8	42.3	3362	32369	47.9	19.2	9.2	99	81.9	17.8	34.9	48.0	5.6	42.4	3254	29925
DYNAGRO 57N13	112	P250	45.8	20.7	9.3	98	82.1	17.5	34.9	48.6	6.8	41.8	3322	30999	49.2	18.7	9.2	98	82.2	16.4	33.4	46.7	6.7	42.8	3251	29823
DYNAGRO 58K56	116	P250	38.6	24.8	9.4	98	80.4	21.9	41.1	52.1	6.6	34.0	3370	31645	42.9	22.4	9.5	100	81.4	19.0	36.9	49.5	6.6	38.1	3353	31994
DYNAGRO CX05614	114	P250	42.6	21.9	9.2	99	79.2	20.5	38.9	46.6	6.7	37.4	3168	29263	45.5	19.4	8.9	100	78.8	19.8	38.4	44.8	6.5	38.0	3066	27131
GARST 8200YG1	119	P250	43.3	22.0	9.4	99	82.0	18.6	35.6	49.3	6.3	41.4	3355	31587	46.8	19.2	9.0	99	80.9	17.8	34.3	44.3	6.0	44.9	3138	28152
GARST 8380IT	115	C250	46.3	20.3	9.2	98	81.5	17.9	34.8	46.6	6.2	44.2	3256	29981	50.2	17.5	8.7	100	81.6	16.6	33.5	44.9	6.0	45.3	3189	27802
GOLDEN HARVEST H-8920	111	C250	44.1	19.8	8.6	95	82.0	17.3	34.2	47.0	6.6	43.1	3313	28606	46.1	17.5	8.1	94	82.2	16.6	33.5	46.7	6.6	43.5	3279	28529
GOLDEN HARVEST H-9166	113	C250	44.4	20.8	9.1	99	82.1	17.5	34.3	47.6	6.6	42.0	3341	30342	47.8	18.6	8.9	100	81.9	17.5	34.8	47.8	6.5	40.8	3257	28913
ICORN 111.E3	111	C125X1	47.8	20.2	9.5	98	81.5	18.7	36.1	48.7	6.0	42.2	3244	30961	49.1	18.8	9.2	99	81.2	18.2	35.6	47.3	6.1	42.4	3189	29424
MYCOGEN F24725	113	C125	42.0	19.2	7.9	98	83.6	17.9	36.4	54.8	6.3	40.6	3545	27993	45.9	15.3	7.0	99	83.3	17.5	35.8	53.2	6.0	42.7	3422	23969
NK Brand N82-J6	116	C250	41.7	22.1	9.0	97	82.2	18.6	36.4	51.0	6.4	41.0	3403	30648	46.3	20.1	9.3	98	82.6	17.1	34.6	49.6	6.1	42.3	3328	30867
NK Brand NX9104	120	C250	35.2	27.2	9.4	99	78.1	25.9	46.3	52.7	6.4	27.7	3245	30406	40.8	22.9	9.4	100	79.9	22.5	41.5	51.4	5.7	34.9	3334	31167
PIONEER 33A84	113	P250	45.2	20.8	9.3	97	82.2	17.5	34.1	47.5	6.3	43.5	3317	30781	47.7	19.7	9.4	99	83.0	16.5	32.8	47.9	6.3	44.2	3328	31110
PIONEER 33D63	114	P250	46.4	19.9	9.0	96	83.0	16.8	33.6	49.5	6.9	43.8	3372	30454	48.5	18.8	9.1	98	83.4	16.0	32.7	49.1	6.6	43.8	3334	30320
RUPP XS1904	113	P250	41.3	23.6	9.6	**	80.3	20.8	38.7	49.0	6.3	38.4	3288	31676	44.3	21.6	9.6	**	79.8	19.5	37.5	46.1	6.1	39.5	3172	30282
VIGORO V5240	112	C250	45.4	20.7	9.3	98	81.3	19.4	36.7	48.8	5.8	41.2	3265	30409	49.0	18.1	8.8	96	80.7	18.7	35.5	45.6	5.6	42.0	3129	27612
WELLMAN W1820	115	P250	44.1	20.7	9.0	94	82.3	18.7	37.0	52.0	6.7	40.7	3400	30640	48.2	19.2	9.2	100	81.7	18.1	35.8	48.9	6.3	42.1	3257	29872
WELLMAN W2615	115	P250	44.4	20.3	8.9	91	83.4	17.4	34.0	51.0	5.9	43.7	3446	30534	47.5	17.4	8.2	93	82.2	17.6	34.4	48.2	5.6	44.2	3277	26963
AVERAGE			44.2	21.0	9.1	97	81.7	18.7	36.2	49.3	6.3	41.3	3321	30229	47.2	18.8	8.9	99	81.5	17.9	35.2	47.5	6.1	42.4	3238	28648
HIGHEST			49.3	27.2	9.6	99	83.6	25.9	46.3	54.8	6.9	45.4	3545	32369	50.2	22.9	9.6	100	83.4	22.5	41.5	53.2	6.7	45.5	3422	31994
LOWEST			35.2	19.0	7.9	90	78.1	16.4	33.5	45.6	5.8	27.7	3168	27993	40.8	15.3	7.0	93	78.8	16.0	32.7	44.3	5.6	34.9	3066	23969
CV (%)			5.6	7.4	5.7	2	1.3	8.1	6.0	3.5	4.1	6.3	3	6	4.9	7.5	6.5	2	1.2	7.0	5.2	3.8	4.7	5.8	2	7
LSD (.05%)			1.7	1.1	0.4	2	0.7	1.0	1.5	1.2	0.2	1.7	59	1312	2.7	1.7	0.7	2	1.2	1.5	2.2	2.1	0.3	2.9	92	2275

2 Year Averages		LATE - TRIAL AVERAGE										BRANCH - LATE													
BRAND / HYBRID	RM	YIELD			% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000				
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A
DAIRYLAND STEALTH-1615	111	43.3	19.1	8.2	98	83.1	18.1	35.2	51.5	6.1	42.4	3453	28185	46.0	18.9	8.7	99	82.8	16.8	33.0	47.7	5.8	46.2	3344	28896
GARST 8200YG1	119	41.5	21.6	8.9**	98	81.0	19.8	37.5	49.2	6.4	38.6	3338	29661	42.1	20.9	8.7*	98	80.4	18.6	35.6	44.8	6.4	42.1	3242	28304
PIONEER 33A84	113	44.1	20.4	8.9**	98	82.5	17.1	33.5	47.5	6.5	43.4	3347	29860	44.6	20.4	9.0**	99	82.9	16.6	32.6	47.4	6.5	44.4	3391	30576
RUPP XS1904	113	40.7	21.1	8.6*	93	81.4	19.8	37.2	49.9	6.3	39.8	3381	28867	43.3	20.8	9.0**	92	81.2	18.4	35.2	46.6	6.2	42.0	3294	29613
VIGORO V5240	112	44.8	19.4	8.6*	96	81.7	19.0	36.3	49.5	6.2	40.9	3316	28582	46.9	19.0	8.9*	97	81.0	18.6	35.1	46.0	5.8	42.5	3190	28397
AVERAGE		42.9	20.3	8.6	96	81.9	18.8	35.9	49.5	6.3	41.0	3367	29031	44.6	20.0	8.9	97	81.7	17.8	34.3	46.5	6.1	43.4	3292	29157
HIGHEST		44.8	21.6	8.9	98	83.1	19.8	37.5	51.5	6.5	43.4	3453	29860	46.9	20.9	9.0	99	82.9	18.6	35.6	47.7	6.5	46.2	3391	30576
LOWEST		40.7	19.1	8.2	93	81.0	17.1	33.5	47.5	6.1	38.6	3316	28185	42.1	18.9	8.7	92	80.4	16.6	32.6	44.8	5.8	42.0	3190	28304
CV (%)		6.4	8.7	7.4	3	1.2	7.4	5.6	3.8	4.0	5.9	3	8	4.8	7.4	5.7	2	1.1	6.6	5.1	3.9	4.3	5.5	2	6
LSD (.05%)		1.5	1.0	0.4	1	0.5	0.7	1.1	1.0	0.1	1.3	48	1266	1.8	1.2	0.4	2	0.8	1.0	1.5	1.5	0.2	1.9	63	1430

2005			LENAWEE - LATE										WOOD (OHIO) - LATE														
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000					
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MKT	MK/A	
ASGROW RX715RR2	111	P250	48.7	18.1	8.7	100	82.6	16.1	31.7	45.1	6.5	45.8	3257	28446	42.2	22.5	9.4	95	79.9	20.0	37.8	46.7	6.3	41.4	3200	30083	
ASGROW RX785RR2/YGCB	113	P250	45.5	19.1	8.7	100	84.0	15.2	30.8	48.1	6.6	46.4	3411	29674	40.5	24.2	9.8	98	81.0	20.1	38.0	49.9	5.8	40.9	3363	32952	
BECK'S 6197	112	P250	44.7	18.4	8.2	100	83.5	17.7	34.9	52.5	6.6	42.5	3448	28236	36.5	25.7	9.4	96	81.1	21.4	40.9	53.7	6.9	36.8	3495	32773	
BECK'S 7538B1	115	P250	51.1	19.2	9.7	**	82.1	17.8	35.1	49.1	6.3	45.0	3228	31408	37.2	25.1	9.3	91	78.4	24.7	44.9	51.8	6.3	32.8	3274	30487	
CAMPBELL 7110	111	P250	49.3	18.2	8.9	99	84.3	14.4	29.6	46.9	6.4	48.0	3359	29983	39.7	23.9	9.5	92	81.0	21.1	39.7	52.0	6.2	39.2	3408	32182	
DAIRYLAND STEAL TH-1615	111	P250	47.2	17.9	8.4	97	84.0	16.2	31.7	49.6	5.8	46.2	3382	28508	39.3	24.5	9.6	95	81.1	21.7	40.4	53.1	6.1	38.9	3430	32954	
DEKALB DKC61-45 (RR2/YGCB)	111	P250	49.4	17.3	8.4	100	83.0	16.1	32.5	47.6	6.6	45.9	3288	27734	39.3	22.9	9.0	94	80.0	21.0	39.9	49.8	6.5	38.8	3328	29956	
DEKALB DKC61-72 (RR2)	111	P250	46.4	18.9	8.8	100	83.7	14.9	30.0	45.6	6.4	48.6	3340	29225	40.7	23.0	9.4	98	81.0	19.7	37.8	49.8	6.7	40.9	3355	31472	
DEKALB DKC63-62 (RR2)	113	P250	51.7	17.0	8.8	100	84.0	14.2	30.1	46.6	6.5	49.7	3301	28964	46.5	22.5	10.5	**	97	81.7	18.8	36.9	50.4	6.3	42.7	3236	33969
DYNAGRO 57F87	114	P250	47.4	20.3	9.5	99	84.0	16.9	32.8	51.3	5.8	44.8	3435	32674	40.2	25.3	10.2	*	93	81.1	21.1	39.1	51.6	6.0	39.7	3398	34509
DYNAGRO 57N13	112	P250	48.0	19.0	9.1	* 98	84.0	15.1	31.3	48.9	7.1	45.0	3407	30832	40.3	24.4	9.8	98	80.1	20.9	40.0	50.1	6.5	37.6	3309	32343	
DYNAGRO 58K56	116	P250	40.6	22.9	9.3	* 100	81.5	20.3	38.6	51.9	6.7	36.8	3432	31724	32.3	29.1	9.4	94	78.5	26.5	47.7	55.0	6.6	27.2	3326	31216	
DYNAGRO CX05614	114	P250	45.0	21.2	9.5	* 100	81.3	18.5	35.5	47.3	7.0	40.5	3262	30892	37.5	25.1	9.4	97	77.6	23.3	42.9	47.8	6.5	33.9	3175	29766	
GARST 8200YG1	119	P250	44.7	21.7	9.6	* 100	84.8	17.0	32.9	53.8	6.5	41.9	3556	34249	38.4	25.0	9.6	97	80.2	21.1	39.6	50.0	6.4	37.5	3370	32360	
GARST 8380IT	115	C250	49.5	18.5	9.1	* 100	82.8	15.6	30.9	44.4	6.4	48.0	3223	29411	39.1	24.9	9.8	95	80.2	21.5	40.1	50.7	6.2	39.2	3358	32730	
GOLDEN HARVEST H-8920	111	C250	46.6	18.5	8.6	98	83.2	15.1	30.8	45.4	6.7	46.5	3303	28408	39.5	23.4	9.2	94	80.6	20.1	38.2	49.0	6.5	39.2	3355	30881	
GOLDEN HARVEST H-9166	113	C250	47.5	18.7	8.8	100	82.8	15.6	31.0	44.5	6.6	45.6	3286	28975	38.1	25.0	9.5	97	81.7	19.2	37.0	50.6	6.7	39.5	3479	33137	
ICORN 111.E3	111	C125X	51.6	18.2	9.3	* 99	83.4	16.1	32.3	48.6	6.2	46.1	3307	30852	42.7	23.6	10.1	*	95	79.9	21.7	40.3	50.1	5.7	38.2	3237	32606
MYCOGEN F24725	113	C125	44.7	18.3	8.1	100	85.1	15.6	32.4	54.0	6.5	44.5	3584	28989	35.5	24.2	8.6	93	82.5	20.7	41.0	57.2	6.6	34.7	3628	31020	
NK Brand N82-J6	116	C250	45.1	19.0	8.6	98	84.2	15.9	32.3	51.0	6.6	44.8	3468	29723	33.8	27.2	9.2	94	79.9	22.9	42.3	52.5	6.4	36.0	3413	31356	
NK Brand N9104	120	C250	35.2	27.3	9.5	* 99	78.7	26.4	46.6	54.2	6.9	26.5	3315	31436	29.6	31.3	9.3	93	75.8	29.0	50.9	52.4	6.6	21.8	3086	28615	
PIONEER 33A84	113	P250	48.5	19.1	9.2	* 100	83.5	14.8	29.7	44.4	6.3	48.5	3282	30160	39.5	23.6	9.3	92	80.2	21.4	39.7	50.2	6.3	38.0	3342	31073	
PIONEER 33D63	114	P250	50.7	16.1	8.1	98	83.6	15.3	31.1	47.3	7.2	47.4	3302	26759	39.9	24.8	9.9	91	82.2	19.2	37.1	52.0	7.0	40.3	3480	34282	
RUPP XS1904	113	P250	43.6	22.1	9.6	* 98	81.7	19.0	35.4	48.4	6.3	41.5	3326	32010	35.9	27.1	9.7	94	79.4	24.0	43.3	52.5	6.5	34.3	3366	32736	
VIGORO V5240	112	C250	46.0	19.7	9.0	* 99	82.5	18.3	35.3	50.4	6.2	42.0	3342	30216	41.2	24.5	10.1	*	100	80.6	21.3	39.2	50.5	5.8	39.7	3323	33400
WELLMAN W1820	115	P250	45.5	19.4	8.8	94	84.1	16.8	34.3	53.6	6.9	42.6	3493	30741	38.7	23.6	9.1	89	81.0	21.1	40.8	53.6	6.8	37.5	3450	31307	
WELLMAN W2615	115	P250	46.3	18.5	8.5	87	85.9	14.5	29.2	51.7	6.0	47.6	3562	30346	39.5	24.9	9.8	91	82.1	20.2	38.3	53.1	6.2	39.4	3499	34292	
AVERAGE			46.7	19.3	8.9	99	83.3	16.6	32.9	49.0	6.5	44.4	3367	30021	38.6	24.9	9.5	95	80.3	21.6	40.5	51.3	6.4	37.3	3359	32017	
HIGHEST			51.7	27.3	9.7	100	85.9	26.4	46.6	54.2	7.2	49.7	3584	34249	46.5	31.3	10.5	100	82.5	29.0	50.9	57.2	7.0	42.7	3628	34509	
LOWEST			35.2	16.1	8.1	87	78.7	14.2	29.2	44.4	5.8	26.5	3223	26759	29.6	22.5	8.6	89	75.8	18.8	36.9	46.7	5.7	21.8	3086	28615	
CV (%)			7.0	10.5	6.4	2	1.2	8.6	6.0	4.0	3.6	5.5	3	7	3.9	4.3	4.2	3	1.6	8.3	6.4	2.6	3.8	7.7	3	5	
LSD (.05%)			3.9	2.4	0.7	2	1.1	1.7	2.3	2.3	0.3	2.9	107	2603	1.8	1.3	0.5	4	1.5	2.1	3.0	1.6	0.3	3.4	108	1944	

2 Year Averages		LENAWEE - LATE										WOOD (OHIO) - LATE													
		YIELD					% QUALITY					YIELD					% QUALITY								
BRAND / HYBRID	RM	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MILK 2000 MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MILK 2000 MKT	MK/A
DAIRYLAND STEALTH-1615	111	43.5	17.0	7.4	98	83.9	17.8	35.0	53.6	6.3	40.9	3508	25876												
GARST 8200YG1	119	43.3	20.8	8.9	**	82.5	19.7	37.5	53.3	6.5	37.1	3426	30632												
PIONEER 33A84	113	46.6	19.0	8.8	100	83.0	15.7	31.6	46.1	6.5	45.2	3291	28998												
RUPP XS1904	113	40.8	19.6	8.1	95	82.1	19.7	37.0	51.5	6.4	39.6	3429	27592												
VIGORO V5240	112	44.8	18.0	8.0	94	82.7	18.5	36.2	52.1	6.5	40.0	3413	27272												
AVERAGE		43.8	18.9	8.3	97	82.9	18.3	35.4	51.3	6.4	40.6	3414	28074												
HIGHEST		46.6	20.8	8.9	100	83.9	19.7	37.5	53.6	6.5	45.2	3508	30632												
LOWEST		40.8	17.0	7.4	94	82.1	15.7	31.6	46.1	6.3	37.1	3291	25876												
CV (%)		8.1	12.3	10.0	3	1.1	7.7	5.7	4.2	3.8	5.1	3	11												
LSD (.05%)		3.1	1.9	0.7	2	0.8	1.1	1.6	1.7	0.2	1.8	85	2595												

** Highest Yielding Hybrid
* Not Significantly Different from Highest Yielding Hybrid

TABLE 8E.

HURON, INGHAM & KENT COUNTY SILAGE TRIALS - EARLY (103 Day and Earlier)

ZONE 2

2005			EARLY - TRIAL AVERAGE										HURON - EARLY - ZONE 3													
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000						
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MK/T	MK/A
BALDRIDGE BH516	103		34.4	19.2	6.6	90	80.9	23.8	44.1	56.8	8.2	29.0	3478	22894	31.7	20.6	6.5	95	81.5	24.0	45.3	59.0	8.0	26.2	3525	22940
BROWN 6079	101	C125	40.1	20.1	8.0	92	81.3	20.8	38.6	51.6	6.9	38.9	3391	27234	40.4	20.6	8.3	93	81.6	20.2	37.9	51.4	6.7	39.3	3405	28240
DAIRYLAND HI DF-4200	101	P250	36.1	22.6	8.1	94	82.8	20.4	38.6	55.5	7.1	38.5	3599	29132	34.5	24.1	8.3	95	83.2	20.2	38.7	56.5	7.1	37.7	3661	30293
DAIRYLAND STEALTH-1503	100	P250	39.8	21.5	8.5	94	81.5	21.0	38.7	52.1	6.8	39.3	3416	29210	39.2	23.0	9.0	97	82.0	20.5	38.2	53.0	6.6	39.2	3488	31476
DAIRYLAND STEALTH-1598	98	P250	42.6	19.9	8.5	98	80.6	21.2	38.4	49.4	6.7	41.1	3252	27490	43.2	20.4	8.8	95	81.3	19.8	37.7	50.4	6.6	42.6	3292	29050
DAIRYLAND STEALTH-5007	103	P250	34.7	25.9	8.9	100	80.2	23.9	42.8	53.8	6.7	35.1	3409	30502	35.2	26.3	9.3	100	81.0	22.8	41.8	54.6	6.5	35.7	3485	32312
DEKALB DKC50-20 (RR2/YGCB)	100	P250	40.2	21.6	8.7	100	83.3	18.8	35.4	52.7	6.7	43.4	3525	30597	42.8	21.8	9.3	100	84.3	17.0	33.1	52.5	6.5	44.9	3526	32857
DEKALB DKC52-23 (RR2/YGCB)	102	P250	39.7	21.8	8.6	97	82.9	19.4	36.2	52.8	6.7	41.7	3508	30150	43.0	21.7	9.3	98	83.5	17.4	33.4	50.6	6.5	45.5	3441	32075
DYNAGRO 54K11	96	P250	41.1	20.4	8.3	100	79.6	22.3	40.7	49.8	6.8	38.9	3234	26943	40.2	22.1	8.9	99	80.3	21.1	39.0	49.6	6.7	39.9	3306	29264
DYNAGRO 54P72	99	P250	41.9	20.9	8.7	99	81.4	20.2	37.7	50.6	7.1	40.6	3335	29024	42.2	22.1	9.3	98	81.4	19.9	37.6	50.6	7.1	41.2	3334	31073
DYNAGRO 55N37	103	P250	39.0	22.8	8.9	100	81.8	20.9	38.3	52.6	6.6	41.2	3469	30777	40.2	23.3	9.4	100	83.6	18.1	34.4	52.2	6.5	44.5	3554	33229
DYNAGRO 55P41	102	P250	39.9	20.9	8.3	100	82.0	20.4	38.1	52.7	6.7	39.7	3456	28769	41.6	21.2	8.8	100	83.2	18.5	35.7	52.8	6.6	42.8	3493	30657
HYLAND SEEDS HLS034	92	P250	42.9	20.3	8.7	95	80.8	21.6	40.2	52.3	7.2	37.8	3297	28541	42.3	22.2	9.4	99	82.9	18.8	35.9	52.3	7.0	42.9	3443	32264
HYLAND SEEDS HLS041	93	P250	37.3	21.1	7.8	97	82.4	20.8	38.6	54.2	7.3	37.2	3535	27739	37.9	21.4	8.1	95	83.1	19.1	36.3	53.5	7.2	40.6	3603	29263
HYLAND SEEDS HLS047	95	P250	38.5	20.8	8.0	84	81.5	22.0	40.7	54.6	7.4	35.4	3475	27845	39.6	22.5	8.9	86	81.3	21.3	39.9	53.2	7.0	37.0	3429	30524
HYLAND SEEDS HLS058	101	P250	36.6	24.0	8.7	100	80.1	23.4	42.0	52.8	6.7	35.2	3385	29532	35.3	25.7	9.1	100	81.9	21.5	39.8	54.5	6.6	36.9	3555	32172
HYLAND SEEDS HLS067	103	P250	36.7	24.9	9.1	**	80.1	23.8	43.6	54.3	7.1	33.6	3396	30912	35.1	26.8	9.4	**	79.7	24.1	44.6	54.5	7.1	32.2	3397	31915
HYLAND SEEDS HLSR42	93	P250	38.7	20.7	8.0	98	82.7	20.4	38.1	54.6	7.4	37.5	3546	28441	40.4	22.4	9.0	97	84.5	17.7	34.0	54.3	7.4	42.5	3623	32566
HYLAND SEEDS HLSR59	101	P250	34.1	25.1	8.5	95	80.3	23.9	43.1	54.4	7.1	32.4	3436	29268	33.4	26.6	8.9	99	80.5	23.1	42.3	53.9	6.9	33.3	3445	30580
MYCOGEN TMF27497	100	C125	39.0	22.4	8.7	100	80.9	21.5	39.6	51.7	7.0	36.7	3398	29631	39.2	22.9	9.0	100	82.6	19.3	36.1	51.6	6.9	41.4	3510	31414
NK Brand N63-U9	102	C250	36.3	23.4	8.4	100	82.0	21.4	38.5	53.3	6.7	39.0	3537	29848	36.0	23.4	8.4	100	82.9	20.5	36.9	53.7	6.3	40.7	3619	30511
PIONEER 36K67	102	P250	36.5	22.6	8.2	98	81.8	21.6	39.2	53.6	6.9	37.4	3516	28996	37.0	23.5	8.7	98	82.3	20.5	38.4	53.9	6.8	38.7	3550	30735
PIONEER 37A92	97	P250	41.4	19.1	7.9	97	81.8	20.4	37.8	51.8	7.2	38.8	3382	26657	43.5	19.4	8.4	97	83.5	18.0	34.6	52.4	7.2	42.4	3450	29065
PIONEER 37D02	97	P250	40.9	20.2	8.2	97	82.6	19.1	36.1	51.6	7.0	42.0	3446	28196	40.9	20.2	8.3	96	82.6	19.0	36.4	52.0	6.7	41.7	3461	28555
PIONEER 37K84	99	P250	40.6	20.8	8.4	98	81.2	20.8	37.9	50.6	6.9	39.8	3365	28154	41.0	19.9	8.2	98	83.6	17.4	33.4	50.9	7.0	45.2	3514	28641
AVERAGE			38.8	21.7	8.4	97	81.5	21.4	39.3	52.8	7.0	38.0	3431	28659	39.0	22.5	8.8	97	82.3	20.0	37.7	53.0	6.9	39.8	3484	30467
HIGHEST			42.9	25.9	9.1	100	83.3	23.9	44.1	56.8	8.2	43.4	3599	30912	43.5	26.8	9.4	100	84.5	24.1	45.3	59.0	8.0	45.5	3661	33229
LOWEST			34.1	19.1	6.6	84	79.6	18.8	35.4	49.4	6.6	29.0	3234	22894	31.7	19.4	6.5	86	79.7	17.0	33.1	49.6	6.3	26.2	3292	22940
CV (%)			6.4	8.0	6.8	3	1.7	8.8	6.7	3.2	5.7	7.7	3	8	4.6	4.3	5.0	3	1.6	8.9	7.1	2.9	4.2	7.0	3	5
LSD (.05%)			1.7	1.2	0.4	2	0.9	1.3	1.8	1.1	0.3	2.0	73	1492	2.1	1.1	0.5	3	1.5	2.1	3.2	1.8	0.3	3.3	108	1863

2 Year Averages										% QUALITY										MILK 2000									
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000									
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MK/T	MK/A			
DAIRYLAND HI DF-4200	101		35.9	22.9	8.2	96	83.3	19.5	36.9	54.7	7.0	39.1	3634	29725	34.3	23.0	7.9	97	82.9	20.8	39.8	56.9	6.7	35.3	3624	28560			
DAIRYLAND STEALTH-1503	100		38.9	22.0	8.6	97	81.8	20.6	38.0	52.2	6.6	39.5	3469	29686	38.3	21.7	8.3	98	81.7	21.3	39.8	54.1	6.2	37.7	3482	28988			
DAIRYLAND STEALTH-1598	98		41.9	20.5	8.6	99	81.6	19.7	36.5	49.6	6.8	41.1	3347	28655	40.8	19.5	8.0	97	82.0	19.9	37.8	52.3	6.5	40.2	3410	27095			
DEKALB DKC50-20 (RR2/YGCB)	100		39.3	21.3	8.4	100	83.3	18.9	35.7	53.1	6.7	41.5	3553	29742	39.2	20.5	8.1	100	83.9	18.7	35.9	54.8	6.5	40.3	3589	29896			
DAIRYLAND SEEDS HLS058	101		35.8	24.6	8.8	**	80.9	23.0	41.7	54.1	6.6	33.7	3452	30200	34.3	24.2	8.3	100	82.0	23.2	42.8	57.6	6.4	31.6	3541	29434			
HYLAND SEEDS HLS067	103		36.2	24.2	8.7	95	80.6	23.1	42.5	54.3	7.0	33.0	3420	29781	34.6	24.3	8.4	**	80.2	24.2	44.6	55.5	6.7	29.4	3365	28242			
PIONEER 37K84	99		40.8	21.2	8.6	99	81.9	19.4	36.5	50.3	6.8	40.4	3404	29334	40.1	19.5	7.8	99	82.8	18.7	36.3	52.6	6.6	41.3	3493	27342			
AVERAGE			38.4	22.4	8.5	98	81.9	20.6	38.3	52.6	6.8	38.3	3468	29589	37.4	21.8	8.1	98	82.2	21.0	39.6	54.8	6.5	36.5	3501	28378			
HIGHEST			41.9	24.6	8.8	100	83.3	23.1	42.5	54.7	7.0	41.5	3634	30200	40.8	24.3	8.4	100	83.9	24.2	44.6	57.6	6.7	41.3	3624	29434			
LOWEST			35.8	20.5	8.2	95	80.6	18.9	35.7	49.6	6.6	33.0	3347	28655	34.3	19.5	7.8	97	80.2	18.7	35.9	52.3	6.2	29.4	3365	27095			
CV (%)			5.9	7.4	5.8	3	1.4	7.4	5.6	3.3	5.0	6.5	3	7	4.5	4.5	4.6	2	1.3	7.0	5.5	3.1	4.0	6.1	3	5			
LSD (.05%)			1.1	0.8	0.2	1	0.6	0.7	1.0	0.8	0.2	1.2	48	919	1.4	0.8	0.3	2	0.9	1.2	1.7	1.4	0.2	1.9	75	1197			

3 Year Averages										% QUALITY										MILK YIELD									
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK YIELD			YIELD			% QUALITY													

KENT - EARLY - ZONE 2

INGHAM - EARLY - ZONE 2

2005

BRAND / HYBRID	RM	TRT	YIELD				% QUALITY				MILK 2000				YIELD				% QUALITY				MILK 2000			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A
BALDRIDGE BH516	103		37.7	19.9	7.5	100	79.6	25.2	44.7	54.3	7.1	31.4	3361	25165	33.7	17.2	5.8	74	81.8	22.3	42.4	56.9	9.4	29.6	3548	20575
BROWN 6079	101	C125	39.4	21.3	8.4	97	80.9	21.8	39.4	51.5	6.2	39.8	3386	28243	40.5	18.5	7.5	85	81.5	20.4	38.6	51.9	7.8	37.6	3382	25221
DAIRYLAND HI DF-4200	101	P250	35.7	23.3	8.3	98	81.6	22.8	41.2	55.4	6.4	36.9	3540	29194	38.2	20.3	7.8	88	83.7	18.3	35.8	54.5	7.7	41.0	3597	27909
DAIRYLAND STEALTH-1503	100	P250	37.9	22.6	8.6	99	80.1	23.5	41.8	52.4	6.3	38.0	3373	28849	42.4	19.0	8.1	87	82.3	19.0	36.1	50.9	7.4	40.6	3387	27303
DAIRYLAND STEALTH-1598	98	P250	42.5	18.7	7.9	99	80.3	21.6	39.3	49.7	6.0	41.6	3244	25670	42.2	20.5	8.6	100	80.2	22.2	38.3	48.2	7.6	39.2	3219	27750
DAIRYLAND STEALTH-5007	103	P250	30.6	27.3	8.3	100	79.0	26.2	45.5	53.7	6.2	32.6	3345	27834	38.3	24.1	9.2	100	80.7	22.7	41.3	53.1	7.5	37.1	3396	31359
DEKALB DKC50-20 (RR2YGCB)	100	P250	36.9	20.8	7.7	100	81.4	21.9	39.2	52.5	6.1	41.6	3494	26710	41.0	22.3	9.1	100	84.0	17.4	34.0	53.1	7.4	43.6	3555	32223
DEKALB DKC52-23 (RR2YGCB)	102	P250	37.9	21.5	8.0	100	80.5	22.8	40.8	52.2	6.0	38.6	3373	26950	38.3	22.2	8.5	92	84.7	18.0	34.5	55.6	7.5	41.0	3710	31426
DYNAGRO 54K11	96	P250	41.1	20.2	8.3	100	78.3	24.3	43.1	49.7	6.3	37.9	3155	26194	42.1	18.8	7.8	100	80.1	21.5	40.1	50.3	7.3	38.8	3241	25372
DYNAGRO 54P72	99	P250	43.4	19.5	8.3	100	81.0	20.7	38.1	50.1	6.2	42.5	3259	27184	40.1	21.1	8.5	100	81.7	20.1	37.5	51.2	8.0	38.0	3412	28816
DYNAGRO 55N37	103	P250	38.6	22.4	8.6	100	79.9	23.5	41.5	51.6	6.1	39.7	3336	28516	38.1	22.8	8.7	99	82.1	21.3	39.0	54.0	7.3	39.6	3517	30587
DYNAGRO 55P41	102	P250	38.8	20.7	8.0	100	81.3	22.1	40.1	53.3	6.0	39.3	3438	27401	39.4	20.9	8.2	99	81.6	20.6	38.5	52.2	7.4	37.2	3437	28248
HYLAND SEEDS HLS034	92	P250	43.5	20.7	9.0	98	78.6	24.4	43.5	50.8	6.8	35.7	3128	27959	42.9	17.9	7.7	87	81.0	21.6	41.2	53.7	7.8	34.8	3321	25400
HYLAND SEEDS HLS041	93	P250	39.0	20.9	8.0	100	82.1	21.4	38.8	53.8	6.6	38.4	3491	28170	35.0	21.0	7.4	96	81.9	21.8	40.6	55.2	8.2	32.8	3510	25783
HYLAND SEEDS HLS047	95	P250	39.7	20.4	8.1	80	80.5	23.5	42.7	54.3	6.9	35.9	3385	27281	36.4	19.6	7.1	86	82.8	21.1	39.5	56.4	8.3	33.2	3610	25732
HYLAND SEEDS HLS058	101	P250	35.6	23.6	8.3	100	77.6	26.7	45.6	50.9	6.2	32.9	3199	26527	38.9	22.7	8.8	100	80.9	22.1	40.7	53.0	7.3	35.9	3401	29896
HYLAND SEEDS HLS067	103	P250	35.4	25.4	8.9	100	79.1	26.3	46.5	55.1	6.8	31.1	3356	30006	39.6	22.7	9.0	91	81.5	20.9	39.7	53.3	7.6	37.6	3435	30816
HYLAND SEEDS HLSR42	93	P250	38.7	20.9	8.0	100	81.3	22.1	39.9	53.1	6.2	38.6	3443	27634	37.2	19.0	7.0	96	82.4	21.4	40.4	56.5	8.4	31.4	3572	25124
HYLAND SEEDS HLSR59	101	P250	34.0	26.2	8.9	100	79.7	25.6	44.6	54.4	6.6	31.7	3392	30014	34.9	22.5	7.8	87	80.9	23.1	42.3	54.9	7.8	32.2	3472	27211
MYCOGEN TMF21497	100	C125	39.2	22.8	8.5	100	79.5	23.5	42.9	52.2	6.3	34.5	3301	29014	38.6	21.7	8.4	100	80.6	21.8	39.9	51.4	7.8	34.4	3382	28464
NK Brand N41-R9	98		37.3	22.9	8.5	100	80.2	23.3	40.8	51.5	6.4	38.5	3398	28924	35.6	23.9	8.4	98	82.9	20.5	37.9	54.8	7.3	37.8	3594	30109
PIONEER 36K67	102	P250	36.8	22.9	8.4	100	81.3	22.0	39.3	52.5	6.3	39.3	3477	29157	35.9	21.4	7.7	98	81.9	22.4	39.9	54.5	7.6	34.3	3522	27096
PIONEER 37A92	97	P250	43.0	19.3	8.3	100	81.1	20.8	37.8	49.8	6.4	40.5	3290	27206	37.6	18.7	7.0	94	80.8	22.4	41.1	53.2	8.1	33.5	3407	23700
PIONEER 37D02	97	P250	38.4	22.4	8.5	100	81.4	21.6	38.4	51.4	6.7	40.8	3423	29031	43.5	18.0	7.8	95	83.8	16.9	33.4	51.5	7.6	43.4	3454	27003
PIONEER 37K84	99	P250	40.0	21.8	8.6	100	80.2	22.3	40.2	50.8	6.2	38.6	3318	28643	40.7	20.6	8.3	97	79.9	22.7	40.2	50.1	7.5	35.7	3263	27177
AVERAGE			38.4	21.9	8.3	99	80.3	23.2	41.4	52.3	6.4	37.5	3356	27899	38.8	20.7	8.0	94	81.8	20.9	38.9	53.2	7.7	36.8	3454	27612
HIGHEST			43.5	27.3	9.0	100	82.1	26.7	46.5	55.4	7.1	42.5	3540	30014	43.5	24.1	9.2	100	84.7	23.1	42.4	56.9	9.4	43.6	3710	32223
LOWEST			30.6	18.7	7.5	80	77.6	20.7	37.8	49.7	6.0	31.1	3128	25165	33.7	17.2	5.8	74	79.9	16.9	33.4	48.2	7.3	29.6	3219	20575
CV (%)			6.7	9.0	7.0	2	1.8	8.4	6.5	3.1	7.1	7.8	4	8	7.5	10.1	8.2	5	1.6	9.2	6.6	3.6	5.5	8.4	3	10
LSD (.05%)			3.0	2.3	0.7	3	1.7	2.3	3.2	1.9	0.5	3.4	138	2648	3.4	2.5	0.8	5	1.6	2.3	3.0	2.3	0.5	3.6	136	3146

2 Year Averages

BRAND / HYBRID	RM	YIELD				% QUALITY				MILK YIELD				YIELD				% QUALITY				MILK YIELD			
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A
DAIRYLAND HI DF-4200	101	36.6	23.5	8.5	99	83.2	19.7	36.7	53.8	6.6	40.1	3622	30900	36.9	22.1	8.1	94	84.0	17.9	34.4	53.4	7.2	41.7	3656	29716
DAIRYLAND STEALTH-1503	100	38.0	24.0	9.1	100	81.4	21.2	38.3	51.2	6.2	40.4	3462	31549	40.5	20.4	8.2	93	82.4	19.2	36.1	51.3	7.2	40.5	3463	28522
DAIRYLAND STEALTH-1598	98	42.8	20.7	8.8	100	81.9	19.0	35.4	48.5	6.4	42.9	3340	29545	42.2	21.2	8.9	99	81.1	20.3	36.4	48.0	7.5	40.2	3289	29325
DEKALB DKC50-20 (RR2YGCB)	100	39.3	21.0	8.3	100	82.9	19.5	36.1	52.5	6.2	42.5	3546	29281	39.4	22.4	8.8	100	83.1	18.6	35.2	52.0	7.5	41.7	3523	30960
HYLAND SEEDS HLS058	101	35.7	25.3	9.0	98	79.5	23.9	42.4	51.7	6.1	34.5	3358	30270	37.2	24.1	8.9	97	81.2	21.9	40.1	53.0	7.4	35.0	3458	30896
HYLAND SEEDS HLS067	103	36.2	25.3	9.1	96	80.1	23.8	43.0	53.5	6.4	33.9	3412	31131	37.7	22.9	8.6	93	81.6	21.2	40.0	53.9	7.8	35.7	3383	29969
PIONEER 37K84	99	41.8	22.1	9.2	100	81.2	19.8	37.0	49.0	6.3	40.8	3330	30631	40.4	22.1	8.8	99	81.7	19.7	36.2	49.3	7.6	39.0	3389	30029
AVERAGE		38.6	23.1	8.9	99	81.4	21.0	38.4	51.5	6.3	39.3	3438	30472	39.2	22.2	8.6	97	82.1	19.8	36.9	51.6	7.5	39.1	3466	29917
HIGHEST		42.8	25.3	9.2	100	83.2	23.9	43.0	53.8	6.6	42.9	3622	31549	42.2	24.1	8.9	100	84.0	21.9	40.1	53.9	7.8	41.7	3656	30960
LOWEST		35.7	20.7	8.3	96	79.5	19.0	35.4	48.5	6.1	33.9	3330	29281	36.9	20.4	8.1	93	81.1	17.9	34.4	48.0	7.2	35.0	3289	28522
CV (%)		6.4	7.6	5.5	2	1.4	7.1	5.4	2.9	6.0	6.4	3	6	6.6	9.4	7.2	4	1.5	8.0	5.9	3.8	4.8	7.1	3	8
LSD (.05%)		2.0	1.4	0.4	2	0.9	1.3	1.8	1.2	0.3	2.0	84	1529	2.1	1.7	0.5	3	1.0	1.4	1.9	1.7	0.3	2.2	88	1977

3 Year Averages

3 Year Averages		YIELD				% QUALITY				MILK YIELD				YIELD				% QUALITY				MILK YIELD			
BRAND / HYBRID		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A
	RM																								
	98	40.9	20.9	8.5 **	96	82.5	19.7	36.2	51.4	6.5	41.1	3439	29271	41.2	20.6	8.5 *	94	82.6	19.0	34.8	50.2	7.3	41.1	3435	29023
	101	34.5	23.6	8.2 *	97	80.9	24.5	43.1	55.5	6.3	31.6	3422	27875	35.5	24.6	8.7 **	95	81.7	22.1	40.3	54.6	7.2	33.4	3487	30341
	CV (%)	5.7	8.5	6.5	4	1.5	7.6	6.0	3.0	5.7	7.0	3	8	6.0	8.1	6.8	5	1.6	8.7	6.7	3.9	4.5	7.9	3	8
	LSD (.05%)	1.5	1.3	0.4	3	0.8	1.1	1.6	1.1	0.3	1.8	71	1484	1.6	1.2	0.4	3	0.9	1.2	1.7	1.4	0.2	2.0	70	1578

TABLE 8L

HURON, INGHAM & KENT COUNTY SILAGE TRIALS - LATE (104 Day and Later)

ZONE 2

2005				LATE - TRIAL AVERAGE										HURON - LATE - ZONE 3																									
BRAND / HYBRID		RM	TRT	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000										
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MKT	MK/A
BROWN 7044		109	C125	43.2	20.3	8.6	96	82.1	19.5	36.3	50.5	6.3	40.9	3372	29056	46.6	17.7	8.2	100	82.5	17.8	34.5	49.2	6.1	45.2	3304	27121	46.6	17.7	8.2	100	82.5	17.8	34.5	49.2	6.1	45.2	3304	27121
CORN BELT C565		105	P250	45.0	20.0	8.8	96	80.2	21.5	39.4	49.7	6.2	39.4	3379	28325	48.2	17.8	8.5	95	79.3	21.3	39.8	48.1	5.9	41.8	3066	26088	48.2	17.8	8.5	95	79.3	21.3	39.8	48.1	5.9	41.8	3066	26088
DEKALB DKC54-47 (RR2Y/GPL)		104	P250	46.5	20.9	9.5	100	81.5	19.0	35.6	47.7	6.5	42.4	3252	30885	50.3	17.5	8.8	100	82.1	16.4	32.4	44.6	6.4	47.5	3184	27930	50.3	17.5	8.8	100	82.1	16.4	32.4	44.6	6.4	47.5	3184	27930
DEKALB DKC57-84 (YGCB)		107	P250	50.4	18.4	9.2	100	81.6	18.2	34.8	47.0	6.4	45.1	3169	29209	52.8	16.9	8.9	100	81.0	17.6	34.0	43.9	5.9	49.3	3087	27343	52.8	16.9	8.9	100	81.0	17.6	34.0	43.9	5.9	49.3	3087	27343
DYNAGRO 56K44		106	P250	45.6	18.9	8.4	99	81.6	19.2	35.6	48.5	6.3	42.9	3292	27704	52.3	14.9	7.7	100	82.0	17.0	33.1	45.7	6.0	48.1	3184	24589	52.3	14.9	7.7	100	82.0	17.0	33.1	45.7	6.0	48.1	3184	24589
DYNAGRO 56K77		108	P250	46.7	19.8	9.1	96	81.2	20.5	38.0	50.4	6.3	39.7	3269	29658	51.5	17.3	8.9	97	80.0	19.8	37.2	46.2	5.9	44.0	3076	27368	51.5	17.3	8.9	97	80.0	19.8	37.2	46.2	5.9	44.0	3076	27368
DYNAGRO 57B47		111	P250	45.7	20.9	9.3	97	80.9	19.9	37.0	48.3	6.3	41.4	3231	30218	50.1	18.2	9.1	99	80.0	19.1	36.6	45.3	5.9	44.4	3073	27827	50.1	18.2	9.1	99	80.0	19.1	36.6	45.3	5.9	44.4	3073	27827
GARST 8689IT		104	C250	46.0	20.8	9.4	100	82.4	19.0	34.8	49.3	6.1	41.3	3343	31500	49.1	17.9	8.8	99	82.5	17.9	33.6	47.8	5.8	44.5	3274	28646	49.1	17.9	8.8	99	82.5	17.9	33.6	47.8	5.8	44.5	3274	28646
GOLDEN HARVEST H-8618Bt		108	C250	46.1	20.0	9.0	99	81.3	20.6	37.9	50.7	6.3	40.2	3294	29606	51.9	16.8	8.7	100	80.9	18.9	36.3	47.5	6.4	44.2	3150	27497	51.9	16.8	8.7	100	80.9	18.9	36.3	47.5	6.4	44.2	3150	27497
GREAT LAKES 6148RR		111	P250	45.3	20.4	9.1	99	81.2	19.7	36.8	48.8	6.2	42.5	3253	29507	48.9	18.1	8.8	99	81.2	18.3	35.1	46.3	6.1	45.9	3166	27852	48.9	18.1	8.8	99	81.2	18.3	35.1	46.3	6.1	45.9	3166	27852
HIGH CYCLE HC35739		105	P250	51.7	19.0	9.6	99	81.2	19.0	35.2	46.3	6.1	45.2	3161	30370	58.1	15.5	9.0	98	81.0	17.2	33.2	42.8	6.0	49.8	3076	27523	58.1	15.5	9.0	98	81.0	17.2	33.2	42.8	6.0	49.8	3076	27523
HIGH CYCLE HC8B524		114	P250	41.6	22.1	9.1	100	81.6	21.6	38.7	52.4	6.2	37.4	3394	30736	45.9	19.9	9.1	100	82.6	18.2	34.4	49.3	5.7	45.5	3326	30385	45.9	19.9	9.1	100	82.6	18.2	34.4	49.3	5.7	45.5	3326	30385
MYCOGEN TMF2N602		106	C125	43.3	21.1	9.1	99	80.8	21.3	38.8	50.5	6.3	38.3	3290	29854	46.2	19.4	9.0	100	81.1	19.8	37.1	49.0	5.8	42.3	3230	28994	46.2	19.4	9.0	100	81.1	19.8	37.1	49.0	5.8	42.3	3230	28994
NK Brand N49-E3		105	C250	44.7	20.1	8.9	98	82.8	19.0	35.5	51.5	6.9	41.9	3396	30092	47.9	17.7	8.5	99	82.5	17.8	34.2	48.8	6.6	45.6	3284	27720	47.9	17.7	8.5	99	82.5	17.8	34.2	48.8	6.6	45.6	3284	27720
NK Brand N58-L8		106	C250	45.8	19.6	8.8	95	81.3	19.8	36.4	48.4	5.8	42.7	3242	28621	48.5	16.7	8.1	93	81.5	18.5	34.4	46.3	5.8	46.9	3164	25580	48.5	16.7	8.1	93	81.5	18.5	34.4	46.3	5.8	46.9	3164	25580
NK Brand N65-Y3		108	C250	46.6	20.2	9.3	100	81.7	20.4	37.2	50.9	6.1	40.1	3309	30651	48.6	18.3	8.9	100	81.0	20.1	37.1	48.7	5.7	43.4	3197	28255	48.6	18.3	8.9	100	81.0	20.1	37.1	48.7	5.7	43.4	3197	28255
PIONEER 34A86		108	P250	49.9	19.2	9.5	100	81.5	19.1	36.5	49.2	6.5	43.7	3221	30615	54.1	17.6	9.5	100	80.6	18.9	36.9	47.2	6.2	45.5	3113	29589	54.1	17.6	9.5	100	80.6	18.9	36.9	47.2	6.2	45.5	3113	29589
PIONEER 35D28		108	P250	46.6	21.5	9.7	100	82.3	19.7	36.6	51.5	6.4	42.2	3357	32684	53.0	17.2	9.1	100	81.3	18.9	36.2	48.0	6.2	46.0	3171	28966	53.0	17.2	9.1	100	81.3	18.9	36.2	48.0	6.2	46.0	3171	28966
TRELAY 7012		105	P250	48.9	18.7	9.0	94	82.0	19.2	36.0	49.9	6.6	42.7	3285	29569	55.7	16.0	8.9	99	81.2	17.8	34.5	45.5	6.4	48.1	3127	27827	55.7	16.0	8.9	99	81.2	17.8	34.5	45.5	6.4	48.1	3127	27827
VIGORO V5240		112	C250	41.2	22.2	9.0	99	81.0	22.5	40.0	52.4	6.2	36.0	3379	30479	40.0	20.0	8.0	99	81.4	22.9	40.6	54.2	6.1	34.7	3460	27614	40.0	20.0	8.0	99	81.4	22.9	40.6	54.2	6.1	34.7	3460	27614
AVERAGE				46.0	20.2	9.1	98	81.5	19.9	36.9	49.7	6.3	41.3	3286	29967	50.0	17.6	8.7	99	81.3	18.7	35.6	47.2	6.0	45.1	3186	27731	50.0	17.6	8.7	99	81.3	18.7	35.6	47.2	6.0	45.1	3186	27731
HIGHEST				51.7	22.2	9.7	100	82.8	22.5	40.0	52.4	6.9	45.2	3396	32684	58.1	20.0	9.5	100	82.6	22.9	40.6	54.2	6.6	49.8	3460	30385	58.1	20.0	9.5	100	82.6	22.9	40.6	54.2	6.6	49.8	3460	30385
LOWEST				41.2	18.4	8.4	94	80.2	18.2	34.8	46.3	5.8	36.0	3161	27704	40.0	14.9	7.7	93	79.3	16.4	32.4	42.8	5.7	34.7	3066	24589	40.0	14.9	7.7	93	79.3	16.4	32.4	42.8	5.7	34.7	3066	24589
CV (%)				5.2	6.6	5.6	2	1.7	9.4	7.3	4.3	4.2	6.8	3	6	4.0	6.2	5.0	2	1.7	10.0	7.2	5.6	4.2	6.5	3	5	4.0	6.2	5.0	2	1.7	10.0	7.2	5.6	4.2	6.5	3	5
LSD (.05%)				1.6	0.9	0.3	2	1.0	1.3	1.8	1.5	0.2	1.9	75	1242	2.4	1.3	0.5	2	1.7	2.2	3.0	3.1	0.3	3.5	127	1793	2.4	1.3	0.5	2	1.7	2.2	3.0	3.1	0.3	3.5	127	1793

2 Year Averages			LATE - TRIAL AVERAGE										HURON - LATE - ZONE 3													
BRAND / HYBRID	RM	YIELD				% QUALITY					MILK 2000					YIELD				% QUALITY					MILK 2000	
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A	
NK Brand N49-E3	105	43.5	21.1	9.1	99	83.0	18.6	35.6	52.0	6.9	40.7	3434	31126	46.0	16.9	7.7	100	83.2	18.0	35.2	51.9	6.6	43.0	3377	26008	
PIONEER 35D28	108	44.4	21.9	9.5	**	100	82.3	19.6	37.0	52.1	6.5	40.8	3399	32369	49.3	16.9	8.3	**	100	81.5	20.1	38.4	51.3	6.3	41.6	3239
TRELAY 7012	105	47.2	19.4	9.0	97	82.5	18.8	35.7	50.7	6.7	41.7	3338	30019	53.4	15.3	8.2	*	99	82.1	17.9	35.1	48.9	6.3	45.9	3199	
VIGORO V5240	112	40.3	22.8	9.1	98	81.1	22.2	40.3	53.0	6.3	34.8	3405	30961	41.1	19.3	7.9	*	100	81.7	22.8	41.3	55.6	6.0	34.2	3449	
AVERAGE		43.8	21.3	9.2	98	82.2	19.8	37.1	52.0	6.6	39.5	3394	31119	47.4	17.1	8.0	100	82.1	19.7	37.5	51.9	6.3	41.2	3316	26538	
HIGHEST		47.2	22.8	9.5	100	83.0	22.2	40.3	53.0	6.9	41.7	3434	32369	53.4	19.3	8.3	100	83.2	22.8	41.3	55.6	6.6	45.9	3449	27222	
LOWEST		40.3	19.4	9.0	97	81.1	18.6	35.6	50.7	6.3	34.8	3338	30019	41.1	15.3	7.7	99	81.5	17.9	35.1	48.9	6.0	34.2	3199	26008	
CV (%)		4.9	5.8	4.9	2	1.5	8.6	6.6	4.0	4.2	6.4	3	5	4.4	5.7	5.2	1	1.5	9.7	7.2	4.5	4.3	6.8	3	5	
LSD (.05%)		1.1	0.6	0.2	1	0.6	0.8	1.2	1.0	0.1	1.2	47	763	1.8	0.8	0.4	1	1.0	1.5	2.1	1.8	0.2	2.5	78	1236	

3 Year Averages			LATE - TRIAL AVERAGE										HURON - LATE - ZONE 3													
BRAND /HYBRID	RM	TRELAY 7012	YIELD				% QUALITY				MILK 2000				YIELD				% QUALITY				MILK 2000			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A
			45.5	18.8	8.5**	97	82.5	19.2	36.2	51.4	6.8	41.6	3358	28411	47.8	16.5	7.7**	99	81.5	20.0	38.1	51.2	6.4	41.5	3268	25207
CV (%)			4.8	6.3	5.1	3	1.7	10.3	7.8	4.7	4.7	7.3	3	6	4.0	6.2	4.9	2	1.6	9.5	7.3	4.2	4.9	7.1	3	6
SD (.05%)			0.8	0.5	0.2	1	0.5	0.8	1.1	0.9	0.1	1.2	42	664	1.3	0.7	0.3	1	0.9	1.2	1.8	1.4	0.2	2.1	71	1009

2005			INGHAM - LATE - ZONE 2										KENT - LATE - ZONE 2													
BRAND / HYBRID	RM	TRT	YIELD				% QUALITY				MILK YIELD				YIELD				% QUALITY				MILK YIELD			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A
BROWN 7044	109	C125	37.9	25.0	9.4	100	80.8	23.3	40.4	52.5	6.1	35.3	3443	32588	45.1	18.1	8.2	89	82.9	17.5	34.0	49.8	6.8	42.3	3367	27480
CORN BELT C565	105	P250	37.6	24.1	9.0	100	78.1	25.9	44.4	50.6	5.9	32.8	3231	29118	49.2	18.2	9.0	92	83.3	17.3	33.8	50.3	6.9	43.6	3330	29769
DEKALB DKC54-47 (RR2YGPL)	104	P250	38.4	26.1	10.0	100	79.8	23.2	40.9	50.6	6.3	36.1	3332	33300	50.8	19.1	9.7	99	82.6	17.4	33.5	47.9	6.9	43.7	3239	31426
DEKALB DKC57-84 (YGCB)	107	P250	47.6	20.3	9.7	100	80.6	20.4	37.7	48.5	6.2	42.1	3118	30271	50.9	17.9	9.1	100	83.2	16.7	32.6	48.5	7.2	43.8	3301	30014
DYNAGRO 56K44	106	P250	39.4	23.7	9.3	100	79.6	22.4	39.5	48.4	6.3	39.1	3284	30718	45.0	18.1	8.2	96	83.3	18.3	34.3	51.3	6.5	41.5	3409	27806
DYNAGRO 56K77	108	P250	41.1	24.5	10.0	100	80.2	23.7	42.1	52.9	6.2	34.4	3327	33357	47.6	17.6	8.3	92	83.4	18.1	34.7	52.1	6.9	40.8	3403	28250
DYNAGRO 57B47	111	P250	39.0	25.5	9.9	99	80.4	22.5	39.9	50.7	6.2	37.2	3353	33030	48.1	19.1	9.1	94	82.4	18.1	34.5	49.0	6.8	42.5	3269	29799
GARST 8689IT	104	C250	39.3	24.9	9.8	100	81.7	21.6	37.3	50.7	6.1	37.3	3453	33842	49.5	19.6	9.7	100	83.1	17.4	33.6	49.5	6.4	42.3	3302	32013
GOLDEN HARVEST H-8618Bt	108	C250	38.2	25.3	9.6	100	80.5	23.1	40.3	51.8	6.0	37.2	3414	32857	48.4	17.8	8.6	98	82.5	19.9	37.1	52.7	6.7	39.2	3317	28463
GREAT LAKES 6148RR	111	P250	38.8	24.9	9.6	100	79.3	23.9	42.0	50.7	5.9	36.4	3291	31597	48.4	18.2	8.8	97	83.1	16.9	33.5	49.5	6.6	45.3	3301	29072
HIGH CYCLE HC5B739	105	P250	43.6	23.9	10.3	100	79.8	23.0	40.1	49.5	6.0	38.4	3193	33014	53.5	17.7	9.5	100	82.7	16.7	32.4	46.6	6.4	47.4	3214	30572
HIGH CYCLE HC8B524	114	P250	35.8	26.2	9.4	100	79.6	25.3	43.1	52.6	6.0	32.4	3385	31723	43.2	20.2	8.7	100	82.8	21.2	38.6	55.4	6.9	34.2	3470	30101
MYCOGEN TMF2N602	106	C125	38.5	24.6	9.4	100	79.0	25.1	43.3	51.6	6.1	33.1	3299	31151	45.3	19.4	8.8	98	82.4	19.1	36.0	50.9	7.0	39.3	3341	29417
NK Brand N49-E3	105	C250	40.7	23.8	9.6	100	81.8	21.4	38.1	52.3	6.7	39.0	3433	32973	45.4	18.8	8.5	95	84.1	17.9	34.2	53.4	7.6	41.2	3470	29584
NK Brand N58-L8	106	C250	40.3	23.8	9.6	96	80.1	22.0	39.5	49.5	5.5	38.9	3304	31628	48.5	18.2	8.8	96	82.2	18.8	35.2	49.4	6.2	42.4	3256	28654
NK Brand N65-Y3	108	C250	40.2	25.2	10.2	100	80.7	23.5	40.9	52.9	6.2	34.6	3388	34502	50.9	17.2	8.8	99	83.5	17.5	33.8	51.0	6.5	42.2	3341	29196
PIONEER 34A86	108	P250	44.1	21.0	9.2	100	81.0	21.8	39.1	51.3	5.8	40.3	3280	30364	51.5	19.0	9.8	100	83.0	16.7	33.5	49.1	7.5	45.2	3269	31891
PIONEER 35D28	108	P250	38.8	28.3	11.0	**	81.7	22.5	39.8	54.0	6.3	37.7	3503	38370	48.0	19.0	9.1	100	84.0	17.7	33.7	52.4	6.6	43.1	3396	30815
TRELAY 7012	105	P250	42.3	23.1	9.8	100	81.5	22.2	40.0	55.7	6.5	37.9	3390	33069	48.6	17.1	8.3	82	83.4	17.8	33.6	50.6	6.9	42.2	3339	27810
VIGORO V5240	112	C250	36.6	26.5	9.7	99	78.8	25.7	43.8	51.7	6.1	32.2	3316	32157	46.9	20.2	9.4	98	82.8	18.9	35.4	51.4	6.5	41.1	3362	31667
AVERAGE			39.9	24.5	9.7	100	80.2	23.1	40.6	51.3	6.1	36.6	3337	32480	48.2	18.5	8.9	96	83.0	18.0	34.4	50.5	6.8	42.2	3335	29690
HIGHEST			47.6	28.3	11.0	100	81.8	25.9	44.4	54.0	6.7	42.1	3503	38370	53.5	20.2	9.8	100	84.1	21.2	38.6	55.4	7.6	47.4	3470	32013
LOWEST			35.8	20.3	9.0	96	78.1	20.4	37.3	48.4	5.5	32.2	3118	29118	43.2	17.1	8.2	82	82.2	16.7	32.4	46.6	6.2	34.2	3214	27480
CV (%)			7.0	7.5	5.5	1	1.9	8.6	7.0	2.7	4.4	8.0	3	6	5.9	7.4	7.0	3	1.6	9.8	7.7	4.4	4.0	6.1	3	7
LSD (.05%)			3.9	2.5	0.7	2	1.8	2.4	3.3	1.7	0.3	3.5	134	2283	3.4	1.6	0.7	4	1.6	2.1	3.1	2.6	0.3	3.0	134	2402

2 Year Averages		INGHAM - LATE - ZONE 2										KENT - LATE - ZONE 2															
BRAND / HYBRID	RM	YIELD				% QUALITY					MILK YIELD				YIELD				% QUALITY					MILK YIELD			
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Strch	MK/T	MK/A		
NK Brand N49-E3	105	41.8	24.1	10.0	100	82.2	19.7	36.5	51.2	6.5	40.2	3430	34344	42.7	22.4	9.4 *	97	83.5	18.3	35.0	52.9	7.7	38.8	3497	33026		
PIONEER 35D28	108	40.2	26.7	10.7 **	100	82.2	20.4	37.4	52.4	6.2	39.8	3491	37375	43.7	22.0	9.5 **	100	83.3	18.3	35.3	52.7	7.0	40.9	3466	32822		
TRELAY 7012	105	42.6	22.9	9.8	100	82.2	20.1	37.2	52.0	6.4	39.6	3422	33331	45.6	20.1	9.0	91	83.1	18.5	34.7	51.1	7.3	39.6	3394	30715		
VIGORO V5240	112	37.6	26.7	10.0	97	79.7	23.6	41.8	51.4	6.0	34.0	3369	33749	42.2	22.6	9.4 *	97	82.0	20.2	37.8	52.2	6.8	36.3	3396	31911		
AVERAGE		40.6	25.1	10.1	99	81.6	20.9	38.2	51.8	6.3	38.4	3428	34700	43.5	21.7	9.3	96	83.0	18.8	35.7	52.2	7.2	38.9	3438	32119		
HIGHEST		42.6	26.7	10.7	100	82.2	23.6	41.8	52.4	6.5	40.2	3491	37375	45.6	22.6	9.5	100	83.5	20.2	37.8	52.9	7.7	40.9	3497	33026		
LOWEST		37.6	22.9	9.8	97	79.7	19.7	36.5	51.2	6.0	34.0	3369	33331	42.2	20.1	9.0	91	82.0	18.3	34.7	51.1	6.8	36.3	3394	30715		
CV (%)		5.9	6.1	4.4	1	1.6	7.9	6.3	3.3	4.4	6.9	3	5	5.1	6.2	5.5	3	1.4	8.2	6.3	4.2	4.0	5.4	3	6		
LSD (.05%)		2.1	1.3	0.4	1	1.1	1.5	2.1	1.4	0.2	2.1	83	1355	2.0	1.0	0.4	2	0.9	1.2	1.8	1.8	0.2	1.8	85	1389		

3 Year Averages		INGHAM - LATE - ZONE 2										KENT - LATE - ZONE 2																			
BRAND / HYBRID	RM	YIELD					% QUALITY					MILK YIELD					YIELD					% QUALITY					MILK YIELD				
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFFD	CP	Stch
TRELAY 7012	105	43.0	20.5	8.8	** 100	82.8	19.6	36.4	52.6	6.6	41.1	3434	30173	45.8	19.4	8.8	** 91	83.2	17.9	34.1	50.5	7.2	42.2	3372	29854						
CV (%)		5.9	6.9	5.0	1	1.7	10.0	7.3	5.3	4.7	7.4	3	6	4.9	6.0	5.9	4	1.8	11.4	8.8	4.4	4.3	7.4	4	6						
SD (.05%)		1.7	1.2	0.3	1	0.9	1.5	1.9	1.8	0.2	1.9	70	1244	1.5	0.8	0.4	3	1.0	1.4	2.1	1.5	0.2	2.1	79	1193						

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 9.

ALPENA, OSCEOLA & DELTA (LATE) COUNTY SILAGE TRIALS (100 Day and Earlier)

ZONE 4

2005			TRIAL AVERAGE										ALPENA													
BRAND / HYBRID	RM	TRT	YIELD				% QUALITY				MILK 2000		YIELD				% QUALITY				MILK 2000					
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/IT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/IT	MK/A
BALDRIDGE BH375	85		38.5	14.2	5.4	96	81.9	20.1	39.8	54.4	8.1	33.9	3443	18749	40.7	11.5	4.7	99	82.1	20.5	40.0	55.1	6.6	33.7	3379	15729
DAIRYLAND STEAL TH-1602	98	P250	35.0	18.8	6.5	92	81.7	22.1	43.3	57.6	8.4	30.4	3509	22949	36.4	16.2	5.8	97	82.6	22.5	43.4	59.9	7.3	29.4	3557	20712
DAIRYLAND STEAL TH-1705	105	P250	33.8	19.7	6.6	97	81.9	22.9	43.4	58.1	7.2	31.7	3546	23365	35.7	15.4	5.5	100	80.8	25.7	47.3	59.3	5.7	27.1	3464	18971
DYNAGRO 53F09	95	P250	36.1	18.8	6.8	97	83.3	19.4	37.9	55.9	7.1	39.6	3621	24474	38.7	16.5	6.4	100	83.7	18.9	36.3	55.1	6.1	42.3	3616	22981
GARST 8922YG1	91	C250	39.5	18.3	7.2	**	84.3	18.0	36.0	56.3	7.0	41.2	3631	26095	41.1	17.7	7.3	**	84.6	18.0	35.2	56.3	6.2	42.4	3621	26268
GOLDEN HARVEST H-6775	91	C250	40.8	16.3	6.7	97	82.8	18.0	36.6	52.8	8.1	38.2	3458	23002	42.7	15.0	6.4	100	82.3	18.6	36.7	51.8	6.5	40.0	3372	21580
GREAT LAKES 4256B1	92	P250	39.0	18.7	7.2	**	84.4	17.8	35.4	56.0	7.1	41.9	3649	26374	40.4	15.2	6.1	100	84.5	17.7	34.6	55.1	6.2	42.9	3618	22080
GREAT LAKES 4297B1RR	92	P250	37.3	17.7	6.5	92	83.9	19.1	38.0	57.5	7.6	38.2	3644	23839	39.8	15.8	6.2	94	83.2	19.9	39.0	56.8	6.8	36.8	3552	21954
HYLAND SEEDS HLS011	76	P250	44.8	14.3	6.4	96	81.5	19.4	38.7	52.0	7.9	37.8	3262	20849	47.3	14.3	6.7	98	82.0	18.1	36.5	50.7	6.8	42.1	3213	21611
HYLAND SEEDS HLS021	82	P250	39.2	15.2	6.0	97	80.8	21.8	42.2	54.4	7.6	31.5	3388	20271	39.0	13.7	5.3	100	80.0	23.8	44.4	55.0	6.1	29.9	3355	17865
HYLAND SEEDS HLS034	92	P250	35.9	19.8	7.1	*	81.2	23.4	43.9	57.2	7.5	31.1	3491	24714	37.4	17.5	6.5	100	80.8	24.8	45.5	57.8	6.5	29.3	3461	22603
HYLAND SEEDS HLS041	93	P250	37.0	17.8	6.6	95	83.5	19.9	38.6	57.0	7.3	35.8	3624	23873	38.4	16.5	6.4	98	83.9	20.4	38.8	58.5	6.2	35.9	3661	23250
HYLAND SEEDS HLSR42	93	P250	37.1	19.4	7.2	**	83.5	19.5	37.9	56.4	7.6	36.8	3625	26111	37.7	18.2	6.9	*	82.9	20.9	39.9	57.2	6.4	35.2	3600	24694
MYCOGEN F2F357	95	C125	34.7	9.0	3.1	60	85.0	18.7	39.3	61.9	8.2	33.4	3788	11805	36.6	8.1	2.9	71	84.3	19.8	40.3	61.0	7.7	30.4	3695	10800
NK Brand N32-L9	93	C250	39.7	16.7	6.6	96	83.2	18.7	36.5	53.8	7.4	40.9	3519	23417	43.3	14.1	6.1	100	83.3	17.3	34.3	51.2	6.0	44.7	3401	20662
NK Brand N33-H6	100	C250	36.0	19.1	6.9	*	81.8	21.3	40.9	55.5	7.7	33.2	3516	24212	36.6	16.2	5.9	100	81.0	23.4	43.7	56.5	6.4	29.7	3472	20599
PIONEER 37A92	97	P250	38.6	17.1	6.6	93	83.4	18.7	36.8	54.9	8.0	38.5	3577	23571	42.2	14.4	6.1	95	83.6	17.8	34.7	52.5	7.0	42.1	3478	21036
PIONEER 37D02	97	P250	38.3	18.0	6.9	*	83.1	19.4	38.0	55.6	7.2	39.0	3572	24539	41.2	15.6	6.4	98	83.2	19.1	37.3	55.0	6.2	40.6	3510	22557
PIONEER 37K84	99	P250	37.8	18.1	6.8	96	82.8	20.1	39.4	56.3	7.3	36.6	3569	24385	39.7	15.6	6.2	100	82.1	20.6	39.8	54.9	6.0	37.3	3476	21453
PIONEER 38W22	92	P250	41.1	16.9	6.9	*	83.0	18.0	36.2	53.2	7.5	39.2	3469	23899	44.8	14.5	6.4	100	82.5	18.0	35.5	50.5	5.9	42.8	3304	21239
AVERAGE			38.0	17.2	6.5	94	82.9	19.8	38.9	55.8	7.6	36.4	3545	23011	40.0	15.1	6.0	97	82.7	20.3	39.1	55.5	6.4	36.7	3490	20932
HIGHEST			44.8	19.8	7.2	98	85.0	23.4	43.9	61.9	8.4	41.9	3788	26374	47.3	18.2	7.3	100	84.6	25.7	47.3	61.0	7.7	44.7	3695	26268
LOWEST			33.8	9.0	3.1	60	80.8	17.8	35.4	52.0	7.0	30.4	3262	11805	35.7	8.1	2.9	71	80.0	17.3	34.3	50.5	5.7	27.1	3213	10800
CV (%)			4.9	8.7	6.6	3	1.3	7.7	5.8	3.4	5.0	8.0	3	7	5.5	10.1	7.4	2	1.1	8.5	6.4	3.4	7.7	9.7	3	8
LSD (.05%)			1.3	1.0	0.3	2	0.7	1.0	1.5	1.3	0.3	2.0	61	1157	2.6	1.8	0.5	3	1.1	2.0	3.0	2.2	0.6	4.2	109	2069

TRIAL AVERAGE (Osceola not included)

2 Year Averages			TRIAL AVERAGE (Osceola not included)										ALPENA																	
BRAND / HYBRID	RM		YIELD				% QUALITY						MILK 2000				YIELD				% QUALITY						MILK 2000			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A				
DAIRYLAND STEALTH-1602	98		33.4	19.0	6.3	96	80.2	23.9	46.1	57.0	8.1	27.6	3406	21540	33.8	19.6	6.5	99	80.8	24.3	46.0	58.3	7.2	27.8	3440	22321				
GREAT LAKES 4297B1RR	92		35.5	17.6	6.2	96	82.2	21.1	41.3	56.8	7.2	35.1	3543	22076	36.7	19.3	6.9	97	82.0	21.9	42.2	57.2	6.7	34.0	3510	24248				
NK Brand N33-H6	100		34.0	19.0	6.4 *	99	79.6	24.1	45.2	54.9	7.6	28.3	3353	21725	34.3	20.0	6.7	100	79.4	25.3	46.5	55.7	6.6	27.2	3347	22461				
GARST 8922YG1	91		36.7	17.9	6.6 **	98	82.5	20.6	40.7	56.9	7.2	35.4	3552	23433	37.7	19.9	7.4 **	100	83.3	20.4	39.7	57.8	6.6	36.9	3594	26600				
GREAT LAKES 4256B1	92		36.4	17.8	6.5 *	95	83.0	19.9	39.4	56.8	7.1	37.1	3589	23391	37.2	18.7	6.8	100	83.6	19.8	38.4	57.1	6.5	38.1	3616	24692				
PIONEER 37K84	99		36.2	17.9	6.5 *	97	80.7	22.7	43.5	55.8	7.2	31.4	3433	22326	37.1	18.9	6.9	99	80.9	23.0	43.2	55.8	6.4	32.6	3430	23687				
PIONEER 38W22	92		39.6	16.2	6.3	97	81.7	19.7	38.8	52.7	7.4	36.3	3413	21775	41.0	17.3	6.9	100	81.8	19.5	38.0	51.9	6.4	38.5	3370	23423				
AVERAGE			36.0	17.9	6.4	97	81.4	21.7	42.1	55.8	7.4	33.0	3470	22324	36.8	19.1	6.9	99	81.7	22.0	42.0	56.3	6.6	33.6	3472	23919				
HIGHEST			39.6	19.0	6.6	99	83.0	24.1	46.1	57.0	8.1	37.1	3589	23433	41.0	20.0	7.4	100	83.6	25.3	46.5	58.3	7.2	38.5	3616	26600				
LOWEST			33.4	16.2	6.2	95	79.6	19.7	38.8	52.7	7.1	27.6	3353	21540	33.8	17.3	6.5	97	79.4	19.5	38.0	51.9	6.4	27.2	3347	22321				
CV (%)			4.6	8.1	6.0	2	1.2	6.6	5.1	3.2	4.8	7.5	2	7	4.9	8.8	6.2	2	1.2	7.0	5.4	3.1	6.3	8.4	3	7				
LSD (.05%)			0.9	0.7	0.2	1	0.5	0.7	1.1	1.0	0.2	1.4	45	822	1.6	1.2	0.3	1	0.8	1.2	1.8	1.5	0.3	2.4	73	1354				

TRIAL AVERAGE (Osceola not included)

3 Year Averages		TRIAL AVERAGE (Osceola not included)												ALPENA																
BRAND / HYBRID		RM	YIELD				% QUALITY						MILK 2000				YIELD				% QUALITY						MILK 2000			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A				
GREAT LAKES 4297/B1RR		92	36.1	18.8	6.7	94	83.4	19.9	39.0	57.3	7.2	37.6	3608	24139	36.5	19.7	7.1	**	83.1	20.6	39.8	57.6	6.9	36.3	3610	25531				
NK Brand N33-H6		100	34.3	20.6	7.0	**	80.4	22.9	43.0	54.4	7.7	31.5	3398	23865	34.8	20.6	7.1	**	79.4	24.6	44.8	54.0	7.0	30.2	3341	23680				
AVERAGE			35.2	19.7	6.8	96	81.9	21.4	41.0	55.9	7.5	34.6	3503	24002	35.6	20.1	7.1	96	81.3	22.6	42.3	55.8	6.9	33.2	3475	24606				
HIGHEST			36.1	20.6	7.0	98	83.4	22.9	43.0	57.3	7.7	37.6	3608	24139	36.5	20.6	7.1	99	83.1	24.6	44.8	57.6	7.0	36.3	3610	25531				
LOWEST			34.3	18.8	6.7	94	80.4	19.9	39.0	54.4	7.2	31.5	3398	23865	34.8	19.7	7.1	92	79.4	20.6	39.8	54.0	6.9	30.2	3341	23680				
CV (%)			4.6	8.1	6.9	2	1.3	6.7	5.2	3.2	5.7	7.4	2	7	5.1	8.1	6.6	3	1.6	8.4	6.4	3.1	5.4	8.8	3	8				
SD (.05%)			0.8	0.7	0.2		0.5	0.7	1.0	0.9	0.2	1.3	39	698	1.3	0.9	0.3	2	0.9	1.2	1.7	1.2	0.2	2.1	69	1255				

2005			OSCEOLA										DELTA - LATE													
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000						
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A		
BALDRIDGE BH375	85		38.2	16.3	6.2	95	82.6	19.0	37.3	53.3	8.6	37.4	3524	21945	36.7	14.8	5.4	94	81.0	20.8	42.1	54.9	9.0	30.7	3426	18573
DAIRYLAND STEALTH-1602	98	P250	34.9	21.1	7.4	87	81.9	20.9	40.7	55.4	9.0	34.6	3527	26022	33.8	19.2	6.4	91	80.6	23.0	45.8	57.6	9.1	27.2	3444	22113
DAIRYLAND STEALTH-1705	105	P250	31.7	22.9	7.2	98	82.2	21.6	40.8	56.3	7.9	34.3	3562	25637	34.1	20.7	7.1	94	82.7	21.4	42.1	58.9	8.0	33.7	3612	25487
DYNAGRO 53F09	95	P250	35.7	20.0	7.2	98	84.5	18.1	35.7	56.7	7.9	40.9	3732	26796	34.0	19.8	6.7	94	81.6	21.3	41.8	56.1	7.5	35.6	3514	23645
GARST 8922YG1	91	C250	37.2	20.5	7.6	98	84.8	17.7	35.4	56.9	7.6	41.2	3731	28451	40.3	16.7	6.7	94	83.4	18.2	37.5	55.7	7.4	40.1	3541	23566
GOLDEN HARVEST H-6775	91	C250	41.1	18.4	7.6	99	83.5	16.7	34.3	51.9	9.0	40.6	3491	26362	38.6	15.5	6.0	92	82.5	18.7	38.7	54.7	8.8	34.0	3510	21064
GREAT LAKES 4256Bt	92	P250	37.9	21.6	8.2	89	85.0	17.5	34.6	56.6	7.7	42.7	3728	30391	38.8	19.3	7.4	**	83.8	18.3	37.2	56.3	7.6	40.0	3602	26652
GREAT LAKES 4297BHR	92	P250	34.2	18.1	6.2	92	84.9	18.4	36.5	58.6	8.1	39.7	3776	23413	38.0	19.2	7.3	*	83.5	19.1	38.6	57.2	7.8	38.2	3603	26149
HYLAND SEEDS HLS011	76	P250	46.0	15.3	7.0	97	81.9	18.3	36.4	50.2	8.5	39.1	3239	22764	41.1	13.4	5.5	94	80.6	21.7	43.3	55.1	8.5	32.2	3334	18172
HYLAND SEEDS HLS021	82	P250	41.0	17.0	7.0	98	81.5	19.9	38.9	52.5	8.7	35.0	3373	23450	37.7	15.1	5.7	94	80.9	21.8	43.3	55.9	8.1	29.5	3436	19497
HYLAND SEEDS HLS034	92	P250	33.6	22.3	7.5	91	81.8	22.8	42.2	56.8	8.0	33.1	3539	26359	36.8	19.8	7.3	*	81.1	22.6	44.0	57.0	8.0	30.9	3471	25180
HYLAND SEEDS HLS041	93	P250	38.4	19.2	7.4	96	84.0	17.9	35.4	54.9	7.8	39.4	3642	26872	34.1	17.7	6.0	92	82.5	21.4	41.4	57.7	7.9	32.1	3570	21497
HYLAND SEEDS HLSR42	93	P250	39.2	21.4	8.4	**	83.8	17.7	34.8	53.3	8.2	41.3	3584	30029	34.4	18.7	6.4	94	83.9	19.8	39.1	58.8	8.1	34.0	3692	23611
MYCOGEN F2F357	95	C125	32.6	9.4	3.1	50	86.5	18.1	38.0	64.4	8.5	34.9	3930	12087	34.8	9.6	3.4	59	84.4	18.3	39.5	60.3	8.4	35.1	3740	12529
NK Brand N32-L9	93	C250	38.0	18.4	7.0	94	83.6	18.5	35.8	54.2	8.4	40.3	3615	25104	37.8	17.7	6.7	94	82.6	20.3	39.5	55.9	7.8	37.7	3540	23674
NK Brand N33-H6	100	C250	36.4	22.5	8.2	99	83.7	19.1	37.0	56.0	8.3	37.3	3656	29891	35.0	18.6	6.5	94	80.7	21.5	42.2	54.2	8.4	32.7	3420	22145
PIONEER 37A92	97	P250	37.3	20.0	7.5	93	84.4	18.1	35.5	55.9	8.4	39.0	3691	27495	36.4	17.1	6.2	91	82.4	20.3	40.3	56.3	8.7	34.5	3563	22183
PIONEER 37D02	97	P250	37.8	20.5	7.7	95	83.7	18.7	36.2	55.0	7.5	41.4	3636	28015	36.1	17.9	6.5	94	82.5	20.3	40.4	56.7	7.9	35.2	3571	23044
PIONEER 37K84	99	P250	37.3	19.9	7.4	94	83.3	19.4	37.8	55.7	8.0	37.9	3613	26812	36.5	18.9	6.9	*	83.1	20.3	40.6	58.4	7.9	34.8	3618	24889
PIONEER 38W22	92	P250	38.5	18.7	7.2	93	83.6	18.1	35.8	54.3	8.2	38.3	3589	25754	40.0	17.6	7.0	*	83.0	18.0	37.4	54.7	8.3	36.5	3515	24705
AVERAGE			37.3	19.2	7.1	93	83.6	18.8	37.0	55.4	8.2	38.4	3609	25682	36.7	17.4	6.3	91	82.3	20.3	40.7	56.6	8.2	34.2	3536	22419
HIGHEST			46.0	22.9	8.4	99	86.5	22.8	42.2	64.4	9.0	42.7	3930	30391	41.1	20.1	7.4	94	84.4	23.0	45.8	60.3	9.1	40.1	3740	26652
LOWEST			31.7	9.4	3.1	50	81.5	16.7	34.3	50.2	7.5	33.1	3239	12087	33.8	9.6	3.4	59	80.6	18.0	37.2	54.2	7.4	27.2	3334	12529
CV (%)			4.0	8.2	6.4	4	1.0	6.8	5.3	2.3	3.3	5.4	2	7	5.1	8.1	6.0	2	1.6	7.6	5.6	4.3	4.2	8.5	3	7
LSD (.05%)			1.8	1.9	0.5	5	1.0	1.5	2.3	1.5	0.3	2.5	73	2028	2.2	1.7	0.5	3	1.6	1.8	2.7	2.9	0.4	3.4	132	1979

OSCEOLA													DELTA - LATE													
2 Year Averages			YIELD				% QUALITY				MILK 2000				YIELD				% QUALITY				MILK 2000			
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A
BRAND / HYBRID	RM																									
DAIRYLAND STEALTH-1602	98																									
GARST 8922YG1	91																									
GREAT LAKES 4256Bt	92																									
GREAT LAKES 4297BIRR	92																									
NK Brand N33-H6	100																									
PIONEER 37K84	99																									
PIONEER 38W22	92																									
AVERAGE																										
HIGHEST																										
LOWEST																										
CV (%)																										
SD (.05%)																										

OSCEOLA (2005 & 2003 only)													DELTA - LATE																
3 Year Averages		BRAND / HYBRID	RM	YIELD				% QUALITY				MILK 2000				YIELD				% QUALITY				MILK 2000					
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A		
		GREAT LAKES 4297BHR	92	31.5	22.5	7.0	94	85.4	20.0	37.8	61.2	7.8	37.1	3812	26664	39.7	15.8	6.3	**	94	83.4	18.3	37.0	54.8	7.3	41.3	3527	22339	
		NK Brand N33-H6	100	32.1	26.7	8.4	**	99	83.7	20.6	39.0	58.0	8.4	34.2	3650	30447	36.2	17.2	6.3	**	97	80.3	21.5	41.7	52.5	8.1	33.9	3358	21206
		AVERAGE		31.8	24.6	7.7	96	84.6	20.3	38.4	59.6	8.1	35.7	3731	28556	37.9	15.5	6.3		96	81.8	19.9	39.4	53.7	7.7	37.6	3442	21772	
		HIGHEST		32.1	26.7	8.4	99	85.4	20.6	39.0	61.2	8.4	37.1	3812	30447	39.7	17.2	6.3		97	83.4	21.5	41.7	54.8	8.1	41.3	3527	22339	
		LOWEST		31.5	22.5	7.0	94	83.7	20.0	37.8	58.0	7.8	34.2	3650	26664	36.2	15.8	6.3		94	80.3	18.3	37.0	52.5	7.3	33.9	3358	21206	
		CV (%)		3.3	6.1	5.6	4	0.9	6.3	4.8	2.4	2.8	5.5	2	6	4.7	8.1	8.6		2	1.5	6.9	5.2	3.5	6.6	8.0	3	7	
		LSD (.05%)		1.1	1.5	0.3	3	0.7	1.1	1.6	1.0	0.2	1.9	49	1256	1.2	1.0	0.2		2	0.8	1.0	1.6	1.6	0.3	1.6	65	950	

TABLE 10.

ALGER & DELTA (EARLY) COUNTY SILAGE TRIALS (92 Day and Earlier)

ZONE 5

2005			TRIAL AVERAGE										ALGER														
BRAND / HYBRID	RM	TRT	YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000							
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	
BALDRIDGE BH375	85		33.1	16.4	5.4	99	79.7	23.6	45.8	55.7	8.4	26.5	3355	18202	31.7	16.4	5.2	98	79.7	24.2	45.9	55.7	8.3	27.4	3352	17368	
BAYSIDE Super 80	80	P250	36.0	16.2	5.8	89	81.7	20.6	41.1	55.3	7.7	36.2	3496	20430	33.7	16.3	5.5	79	81.3	21.3	41.8	55.2	7.6	36.4	3490	19222	
DAIRYLAND Hi DF-3086	86	P250	35.6	17.9	6.3	100	80.9	22.1	42.7	55.3	8.1	32.9	3412	21384	30.9	20.2	6.2	*	80.0	24.6	46.0	56.7	7.9	29.0	3404	21233	
DEKALB DKC35-02 (RR2/YGCB)	85	P250	35.5	16.3	5.8	100	82.0	19.3	39.6	54.6	8.7	33.6	3511	20329	33.2	16.5	5.5	100	81.3	20.0	40.0	53.3	8.4	35.8	3468	18978	
DEKALB DKC37-14 (RR2)	87	P250	37.0	17.3	6.3	99	82.4	19.8	39.8	55.8	8.3	33.7	3543	22462	35.3	18.3	6.5	**	82.0	20.7	40.5	55.6	7.9	34.6	3540	22853	
GARST 8905RR	87	C250	34.3	15.9	5.4	100	78.8	24.6	46.2	54.2	7.8	29.5	3282	17720	33.4	16.0	5.4	100	77.2	26.8	48.9	53.5	7.5	27.8	3178	16993	
HYLAND SEEDS HLS011	76	P250	39.1	15.9	6.2	99	79.9	22.4	44.4	54.6	8.1	31.8	3324	20554	38.3	15.9	6.1	*	80.6	21.8	42.7	54.4	8.0	36.0	3388	20569	
HYLAND SEEDS HLS021	82	P250	37.1	17.7	6.6	*	100	81.1	22.2	43.1	56.0	7.9	30.5	3448	22600	35.3	17.5	6.2	*	80.3	23.1	44.0	55.2	7.6	31.0	3414	20996
HYLAND SEEDS HLS034	92	P250	32.5	20.2	6.5	*	94	80.1	24.4	46.2	57.1	8.1	29.4	3412	22680	29.7	20.8	6.2	*	78.7	26.1	48.2	55.9	8.1	27.4	3306	20343
MYCOGEN TMF2N242	92	C125	34.5	17.3	6.0	100	81.7	22.6	44.7	59.0	8.0	28.7	3536	21142	32.9	17.3	5.7	100	81.6	23.7	45.9	59.8	7.9	28.0	3541	20113	
NK Brand N18-F2	84	C250	40.4	15.1	6.1	96	81.4	20.3	40.7	54.3	7.9	35.2	3392	20609	38.7	15.2	5.9	95	80.6	21.4	42.3	54.1	7.6	34.9	3380	19955	
PIONEER 37A92	97	P250	34.5	17.1	5.9	89	82.0	21.0	41.4	56.7	8.7	34.4	3546	20947	33.3	17.3	5.7	86	80.6	22.6	43.3	55.2	8.3	33.2	3434	19657	
PIONEER 38W21	92	P250	37.2	17.0	6.3	95	82.0	19.7	39.3	54.3	8.2	35.8	3489	21953	34.7	17.2	6.0	*	81.2	21.1	40.9	54.0	8.2	34.9	3465	20725	
PIONEER 38W22	92	P250	36.8	18.3	6.7	**	83.4	19.7	39.5	57.9	8.2	33.4	3633	24480	34.8	17.9	6.2	*	83.3	20.3	40.1	58.2	7.9	33.5	3650	22745	
RENK RK232	85		37.9	16.0	6.1	89	80.8	21.6	42.9	55.4	8.1	33.1	3413	20798	36.1	14.8	5.4	79	80.4	22.9	44.2	55.7	7.8	33.2	3422	18359	
SPANGLER LFT14	80		39.0	16.2	6.3	99	79.7	22.7	44.4	54.3	8.1	31.9	3312	20871	37.1	16.7	6.2	*	80.1	22.6	43.4	54.0	8.1	34.4	3374	20852	
SPANGLER LFT17	87		33.7	17.8	6.0	100	80.2	24.5	47.7	58.4	8.7	24.7	3421	20528	32.7	18.4	6.0	*	80.0	24.6	46.9	57.2	8.2	26.9	3403	20426	
SPANGLER LFT19R	87		35.0	17.7	6.2	99	81.4	23.0	45.7	59.3	8.3	27.6	3515	21827	32.3	17.8	5.8	98	80.4	24.4	47.3	58.5	8.4	26.6	3444	19879	
WOLF RIVER VALLEY WRV2585LRR	85		34.8	17.9	6.2	100	80.7	22.9	45.6	57.7	8.4	27.5	3450	21364	32.9	17.4	5.7	100	81.0	23.6	46.1	58.8	8.6	27.8	3490	19974	
WOLF RIVER VALLEY WRV9983	83		37.2	16.7	6.2	100	82.1	20.9	41.8	57.1	7.5	34.1	3536	21909	36.6	16.4	6.0	*	82.1	21.2	41.8	57.1	7.5	34.6	3549	21190	
AVERAGE			36.1	17.0	6.1	97	81.1	21.9	43.1	56.1	8.2	31.5	3451	21119	34.2	17.2	5.9	95	80.6	22.8	44.0	55.9	8.0	31.7	3435	20121	
HIGHEST			40.4	20.2	6.7	100	83.4	24.6	47.7	59.3	8.7	36.2	3633	24480	38.7	20.8	6.5	100	83.3	26.8	48.9	59.8	8.6	36.4	3650	22853	
LOWEST			32.5	15.1	5.4	89	78.8	19.3	39.3	54.2	7.5	24.7	3282	17720	29.7	14.8	5.2	79	77.2	20.0	40.0	53.3	7.5	26.6	3178	16993	
CV (%)			4.9	7.0	6.3	2	2.0	7.5	5.8	4.1	5.5	9.3	4	8	4.9	7.3	7.3	3	2.1	7.5	5.8	4.4	5.3	9.6	4	9	
LSD (.05%)			1.5	1.0	0.3	2	1.3	1.4	2.1	1.9	0.4	2.4	107	1337	2.0	1.5	0.5	3	2.0	2.0	3.0	2.9	0.5	3.6	162	2216	

2 Year Averages			TRIAL AVERAGE										ALGER														
BRAND / HYBRID	RM	YIELD				% QUALITY						MILK 2000				YIELD				% QUALITY						MILK 2000	
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/A	MKT	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/A	MKT		
DAIRYLAND HI DF-3086	86	33.6	16.0	5.4	96	79.8	23.4	44.6	54.7	8.0	29.8	3330	17918	32.1	17.6	5.6	93	78.5	24.8	46.8	54.1	8.0	28.1	3276	18486		
GARST 8905RR	87	33.4	15.7	5.2	100	78.8	24.5	46.0	53.9	7.6	30.0	3285	17066	33.5	16.1	5.4	100	77.0	26.1	48.3	52.3	7.4	29.1	3160	17017		
MYCOGEN TMF2N242	92	32.6	16.2	5.3	100	80.1	24.7	48.3	58.9	8.1	24.8	3415	18047	32.6	16.6	5.4	100	78.1	26.7	50.7	57.1	7.9	23.1	3278	17792		
NK Brand N18-F2	84	37.1	14.4	5.3	97	79.8	22.6	43.9	54.1	7.9	31.0	3316	17728	37.0	14.7	5.4	97	78.3	24.0	46.3	53.2	7.7	29.8	3239	17677		
PIONEER 38W22	92	33.8	17.5	6.0	**	81.4	22.4	43.2	56.9	7.8	30.2	3481	20799	34.1	17.4	5.9	**	80.2	22.9	44.3	55.4	7.5	30.1	3413	20312		
SPANGLER LFT17	87	31.4	17.3	5.4	100	78.6	26.3	50.2	57.4	8.5	22.1	3297	17899	32.1	17.4	5.6	100	76.9	27.4	51.5	55.2	8.0	21.9	3171	17821		
SPANGLER LFT19R	87	32.8	17.0	5.6	99	79.6	24.8	48.1	57.8	8.2	25.0	3372	18943	32.6	17.1	5.6	98	78.2	25.8	49.5	56.0	8.3	24.4	3274	18245		
AVERAGE		33.5	16.3	5.5	99	79.7	24.1	46.3	56.3	8.0	27.6	3356	18343	33.4	16.7	5.6	98	78.2	25.4	48.2	54.8	7.8	26.6	3259	18193		
HIGHEST		37.1	17.5	6.0	100	81.4	26.3	50.2	58.9	8.5	31.0	3481	20799	37.0	17.6	5.9	100	80.2	27.4	51.5	57.1	8.3	30.1	3413	20312		
LOWEST		31.4	14.4	5.2	96	78.6	22.4	43.2	53.9	7.6	22.1	3285	17066	32.1	14.7	5.4	93	76.9	22.9	44.3	52.3	7.4	21.9	3160	17017		
CV (%)		4.9	7.0	5.6	2	1.8	6.7	5.3	4.1	6.0	8.2	4	7	4.4	11.0	10.0	2	1.9	7.0	5.6	4.2	6.6	8.2	4	8		
LSD (.05%)		1.0	0.7	0.2	1	0.8	0.9	1.4	1.3	0.3	1.4	72	778	1.2	1.5	0.5	2	1.3	1.4	2.1	1.9	0.4	2.0	101	1251		

3 Year Averages			TRIAL AVERAGE										ALGER															
BRAND / HYBRID	RM		YIELD			% QUALITY				MILK 2000			YIELD			% QUALITY				MILK 2000								
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MKT	MK/A				
SPANGLER LFT17	87		32.5	17.0	5.5	**	99	78.8	25.4	48.4	56.4	8.6	24.7	3312	18313	32.7	16.7	5.5	**	99	76.9	26.8	50.3	54.1	8.4	24.2	3168	17358
CV (%)			5.2	7.4	7.3	2	2	1.9	7.0	5.5	4.1	7.0	8.6	4	7	4.9	12.0	12.6	2	2	2.1	7.6	6.0	4.3	8.5	8.9	4	8
LSD (.05%)			0.8	0.6	0.2	2	2	0.7	0.7	1.1	1.3	0.2	1.0	64	618	1.0	0.9	0.4	2	2	1.3	1.1	1.6	1.5	0.3	1.8	84	958

Support from Michigan's Project GREEN

Michigan's Northern Peninsula (UP) produces an estimated 20,000 acres of corn annually (Michigan Agricultural Statistics Service). With the major dairy (200 dairy farms) and livestock emphasis in the region, 12,000 of these acres are corn silage with the remaining 8000 acres being harvested for corn grain. This year a renewed grant from project GREEN (Generating Research and Extension to meet Economic and Environmental Needs) helped to fund the hybrid trials in the UP, providing growers with corn grain and silage genetic selection information.

2005			DELTA - EARLY										MILK 2000	
BRAND / HYBRID	RM	TRT	YIELD					% QUALITY					MK/T	MK/A
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDfD	CP	Stch		
BALDRIDGE BH375	85		34.5	16.5	5.7	100	79.7	23.0	45.8	55.6	8.6	25.6	3357	19036
BAYSIDE Super 80	80	P250	38.3	16.1	6.2	99	82.1	19.9	40.4	55.5	7.8	36.0	3503	21639
DAIRYLAND HI DF-3086	86	P250	40.4	15.6	6.3	100	81.9	19.7	39.3	53.9	8.3	36.8	3419	21535
DEKALB DKC35-02 (RR2/YGCB)	85	P250	37.9	16.1	6.1	100	82.7	18.6	39.2	55.8	9.0	31.3	3553	21681
DEKALB DKC37-14 (RR2)	87	P250	38.6	16.2	6.2	100	82.8	18.9	39.1	56.0	8.7	32.9	3547	22071
GARST 8905RR	87	C250	35.2	15.7	5.5	100	80.3	22.3	43.6	54.9	8.1	31.2	3387	18447
HYLAND SEEDS HLS011	76	P250	39.9	15.8	6.3	100	79.2	22.9	46.1	54.8	8.2	27.6	3259	20539
HYLAND SEEDS HLS021	82	P250	38.8	18.0	7.0	100	81.8	21.4	42.1	56.8	8.2	30.0	3481	24203
HYLAND SEEDS HLS034	92	P250	35.3	19.6	6.9	100	81.6	22.7	44.3	58.3	8.0	31.3	3517	24177
MYCOGEN TMF2N242	92	C125	36.2	17.4	6.3	100	81.8	21.6	43.6	58.2	8.2	29.3	3532	22172
NK Brand N18-F2	84	C250	42.0	15.0	6.3	97	82.1	19.3	39.2	54.4	8.3	35.5	3403	21263
PIONEER 37A92	97	P250	35.6	17.0	6.1	93	83.5	19.3	39.5	58.2	9.1	35.7	3659	22237
PIONEER 38W21	92	P250	39.7	16.7	6.6	100	82.9	18.4	37.6	54.5	8.1	36.7	3514	23182
PIONEER 38W22	92	P250	38.7	18.7	7.3	100	83.6	19.1	38.8	57.6	8.4	33.4	3616	26214
RENK RK232	85		39.8	17.2	6.9	99	81.2	20.3	41.7	55.1	8.5	33.1	3404	23237
SPANGLER LFT14	80		41.0	15.7	6.4	100	79.4	22.7	45.4	54.6	8.1	29.4	3250	20891
SPANGLER LFT17	87		34.7	17.3	6.0	100	80.4	24.4	48.5	59.5	9.3	22.4	3439	20630
SPANGLER LFT19R	87		37.8	17.6	6.6	100	82.5	21.7	44.1	60.2	8.3	28.7	3587	23775
WOLF RIVER VALLEY WRV2585LRR	85		36.7	18.3	6.7	100	80.4	22.2	45.2	56.6	8.2	27.1	3409	22755
WOLF RIVER VALLEY WRV9983	83		37.9	17.0	6.4	100	82.0	20.6	41.9	57.1	7.6	33.7	3523	22628
AVERAGE			37.9	16.9	6.4	99	81.6	20.9	42.3	56.4	8.3	31.4	3468	22116
HIGHEST			42.0	19.6	7.3	100	83.6	24.4	48.5	60.2	9.3	36.8	3659	26214
LOWEST			34.5	15.0	5.5	93	79.2	18.4	37.6	53.9	7.6	22.4	3250	18447
CV (%)			4.9	6.8	5.2	2	1.9	7.6	5.8	3.9	5.7	8.9	3	6
LSD (.05%)			2.2	1.4	0.4	2	1.8	1.9	2.9	2.6	0.6	3.3	141	1537

2 Year Averages			DELTA - EARLY										MILK 2000	
BRAND / HYBRID	RM		YIELD					% QUALITY					MK/T	MK/A
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDfD	CP	Stch		
DAIRYLAND HI DF-3086	86		35.1	14.4	5.1	100	81.1	22.1	42.4	55.3	8.1	31.5	3383	17350
GARST 8905RR	87		33.2	15.3	5.0	100	80.5	22.8	43.7	55.5	7.9	30.9	3410	17115
MYCOGEN TMF2N242	92		32.6	15.7	5.2	100	82.1	22.8	45.8	60.8	8.3	26.5	3551	18301
NK Brand N18-F2	84		37.2	14.1	5.2	98	81.3	21.2	41.6	55.1	8.1	32.3	3393	17779
PIONEER 38W22	92		33.5	17.7	6.0	99	82.5	21.8	42.1	58.4	8.2	30.3	3549	21286
SPANGLER LFT17	87		30.8	17.1	5.3	100	80.2	25.2	49.0	59.7	8.9	22.4	3423	17977
SPANGLER LFT19R	87		33.0	17.0	5.6	100	81.1	23.8	46.8	59.6	8.2	25.7	3470	19642
AVERAGE			33.6	15.9	5.3	100	81.3	22.8	44.5	57.8	8.2	28.5	3454	18483
HIGHEST			37.2	17.7	6.0	100	82.5	25.2	49.0	60.8	8.9	32.3	3551	21286
LOWEST			30.8	14.1	5.0	98	80.2	21.2	41.6	55.1	7.9	22.4	3383	17115
CV (%)			5.4	7.9	4.9	2	1.7	6.3	4.9	4.0	5.3	8.3	4	6
LSD (.05%)			1.6	1.1	0.2	1	1.1	1.1	1.8	1.9	0.4	2.1	102	937

3 Year Averages			DELTA - EARLY										MILK 2000	
BRAND / HYBRID	RM		YIELD					% QUALITY					MK/T	MK/A
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDfD	CP	Stch		
SPANGLER LFT17	87		32.3	17.2	5.6	100	80.8	23.9	46.5	58.7	8.7	25.1	3456	19268
CV (%)			5.8	8.7	8.3	2	1.9	6.9	5.4	3.9	7.3	8.9	4	6
LSD (.05%)			1.4	1.0	0.2	2	1.0	1.1	1.6	1.6	0.3	1.8	91	788

** Highest Yielding Hybrid
* Not Significantly Different from Highest Yielding Hybrid

Making Sense Of Corn Silage Quality Measurements

*Michael Allen, Professor,
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Michigan State University*

The important quality measurements for selecting corn silage hybrids are the concentration of neutral detergent fiber, the digestibility of NDF and starch, and, to a lesser extent, the concentration of crude protein. Each of these is discussed below.

Neutral Detergent Fiber (NDF)

Neutral detergent fiber is a measure of the total insoluble fiber of corn silage and is inversely related to grain concentration; corn silage with high grain concentration has low concentration of NDF and vice versa. The NDF concentration of corn silage ranges from less than 35% of dry matter (DM) to more than 55% of DM and is highly variable by hybrid (repeatable differences from less than 38% to over 52% NDF), but is affected by maturity at harvest, and other factors such as soil moisture, temperature, population density, harvest height, and fertilization. Digestibility of corn silage increases with grain concentration. While hybrids with high concentrations of NDF and low concentrations of grain must be supplemented with more grain to provide the same amount of energy, low NDF concentration in corn silage is not always desirable for several reasons. One reason is that the cost of producing corn silage is sometimes greater than the cost of purchased corn grain on a per unit dry matter basis. The cost of producing corn silage is highly variable among farms, especially after accounting for shrinkage and spoilage. When corn grain costs less than corn silage, choosing a high NDF corn hybrid will decrease feed costs. In addition, corn hybrids with high grain and low NDF concentrations require much more corn silage to be included in diets to meet the cows forage NDF requirement, increasing the amount of land and silo capacity required per cow, and decreasing the amount of space in rations for other feeds. Furthermore, low-grain corn silage is less prone to problems from undigested kernel passage simply because there are fewer kernels from corn silage in the ration. Therefore, the optimal NDF concentration of corn hybrids for silage varies from farm to farm depending upon the cost of corn silage production and the land base available.

NDF Digestibility (NDFD)

The in vitro NDF digestibility of corn silage is extremely variable ranging from less than 30% to 60% and is affected primarily from differences in growing environment between years and locations and in hybrid genetics. It is also affected by management factors such as population density, soil fertility, plant date, and harvest moisture. Although the growing environment is the greatest factor affecting NDFD of corn silage, there are consistent hybrid effects. Normal commercial corn hybrids vary by 4-5 percentage units of NDFD when averaged over many growing environments while the brown midrib mutants increase this variation by another 4-5%.

These relatively small differences in NDFD can have large effects on animal performance. Enhanced forage NDFD

significantly increased dry matter intake (DMI) and milk yield of dairy cows in a statistical analysis of treatment means across a wide range of forages reported in the literature. A one-unit increase in NDFD in vitro or in situ was associated with a 0.37-lb increase in DMI of diets and a 0.55 lb increase in 4% fat-corrected milk. Therefore a 5 unit difference in NDF digestibility among corn hybrids should result in a difference in milk yield of nearly 3 lb per cow per day. However, increased NDFD does not always result in the same response for feed intake and milk yield. Response to forages with increased NDFD is dependent upon both animal and dietary factors; response is greatest for animals with high energy requirements and diets lower in energy. So, NDFD has greater importance for herds with high milk yield compared to lower milk yield, for high group cows compared to low group cows, and for cows low grain diets compared to high grain diets. NDFD is less important for growing and finishing beef cattle.

Starch

Corn grain contains about 70% starch so corn silage starch concentration, like grain concentration, is inversely related to NDF concentration. Digestibility of starch in corn silage is highly variable and affected by maturity at harvest, hybrid genetics, and by growing environment. Starch is located in the endosperm of corn grain and endosperm type, flourey or vitreous, affects starch digestibility. Proportions of vitreous and flourey endosperm vary by corn hybrid and maturity at harvest. Flourey endosperm is white in color and easily seen as a fine powder when dry corn is ground. Vitreous endosperm is yellow in color and is observed as grits when ground. Starch in vitreous endosperm is more resistant to digestion so starch digestion is negatively related to the vitreousness of the endosperm. Increasing maturity at harvest increases vitreousness and decreases starch digestibility. However, starch digestibility increases over time in the silo as the proteins in vitreous endosperm are solubilized. Corn hybrids with highly vitreous endosperm are more likely to have lower starch digestibility, especially for the first weeks or months after ensiling. Currently, there is no inexpensive, reliable way to measure starch digestibility in the laboratory, so this important measure is not yet included in our measurements. However, endosperm vitreousness of corn hybrids can be observed visually and should be available from individual seed companies.

Crude Protein (CP)

Forages are generally supplemented with high protein concentrates such as soybean meal to increase the protein concentration of ruminant diets. Corn hybrids with high protein require less supplemental protein, which can lower feed costs. Variation in crude protein among hybrids is less than the variation in concentration and digestibility of NDF and starch, and likely has less effect on animal performance and feed costs.

FIGURE 1. ZONE 1 EARLY SILAGE %NDF vs %NDFD - TRIAL AVERAGE

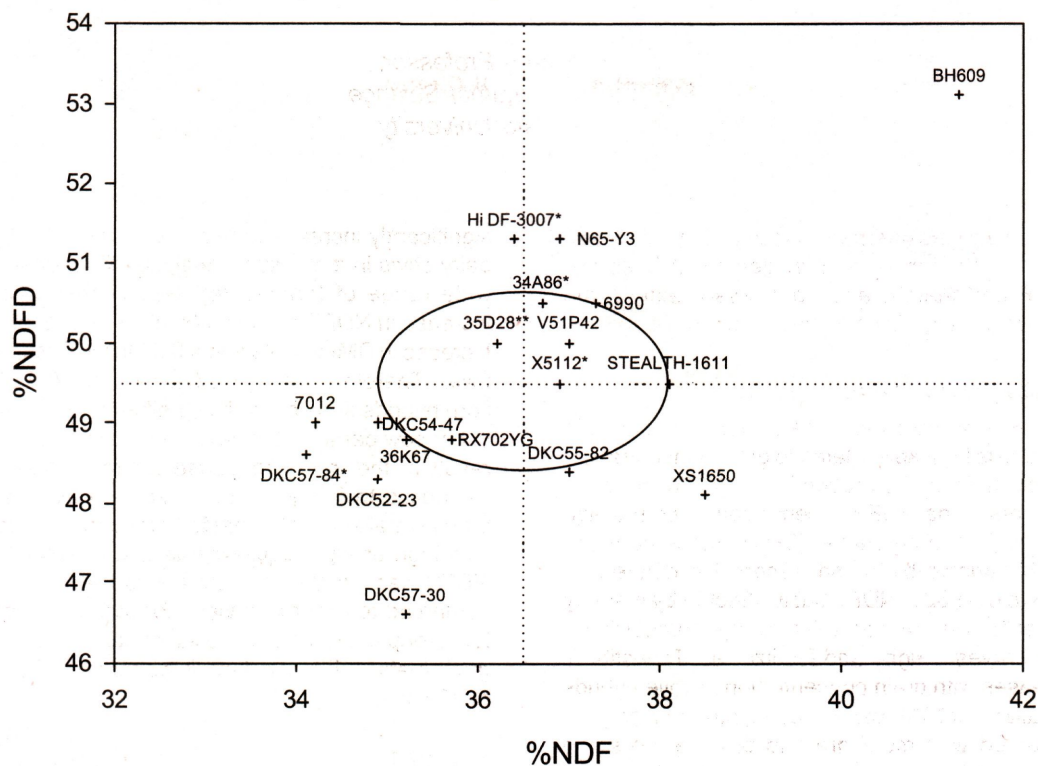
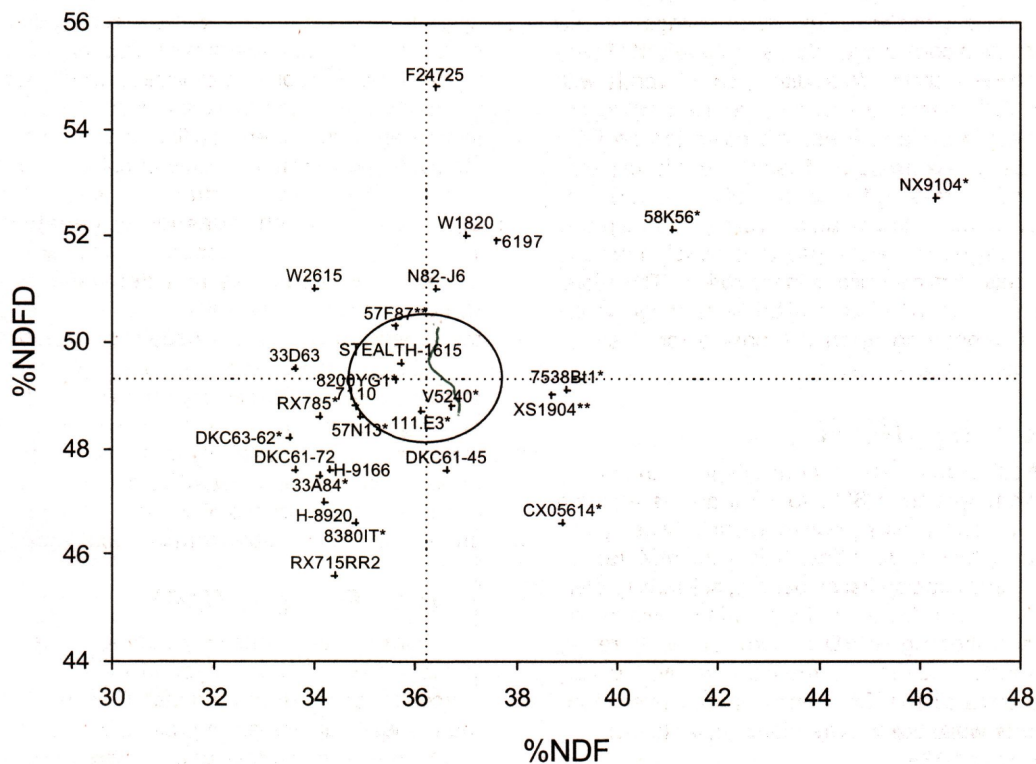


FIGURE 2. ZONE 1 LATE SILAGE %NDF vs %NDFD - TRIAL AVERAGE



** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

The area within the circle is >> one LSD from the trial average

FIGURE 3.

ZONE 2 / 3 EARLY SILAGE %NDF vs %NDFD - TRIAL AVERAGE

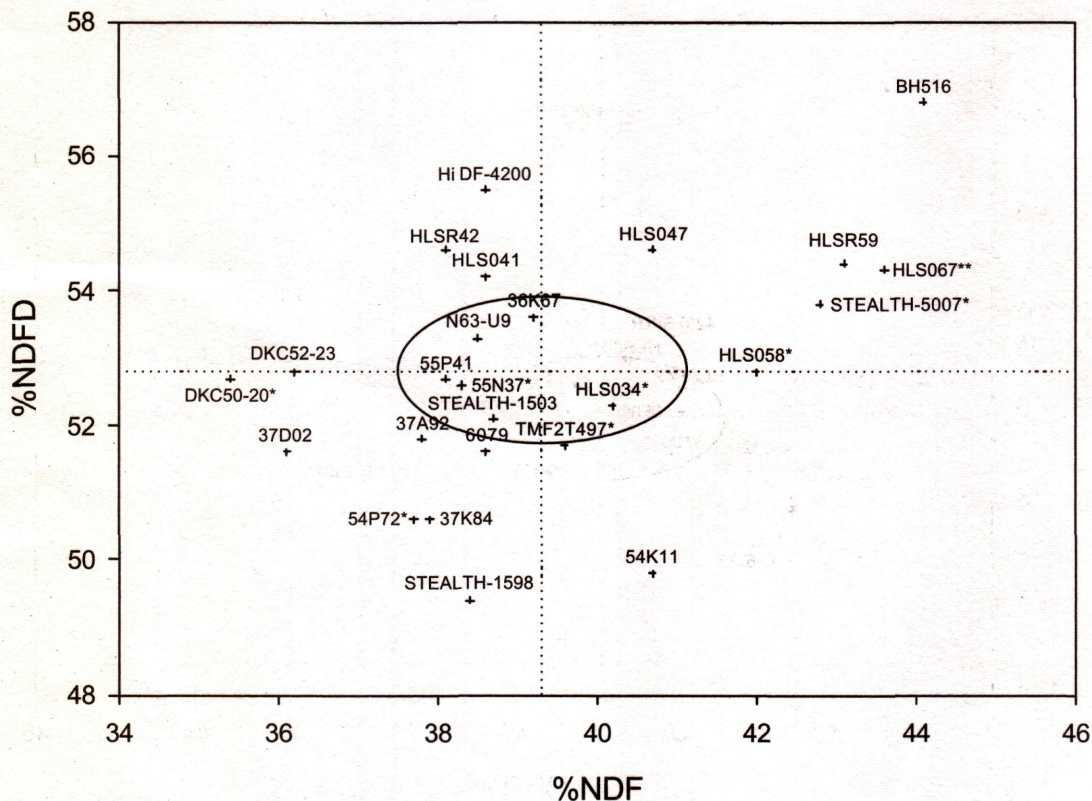
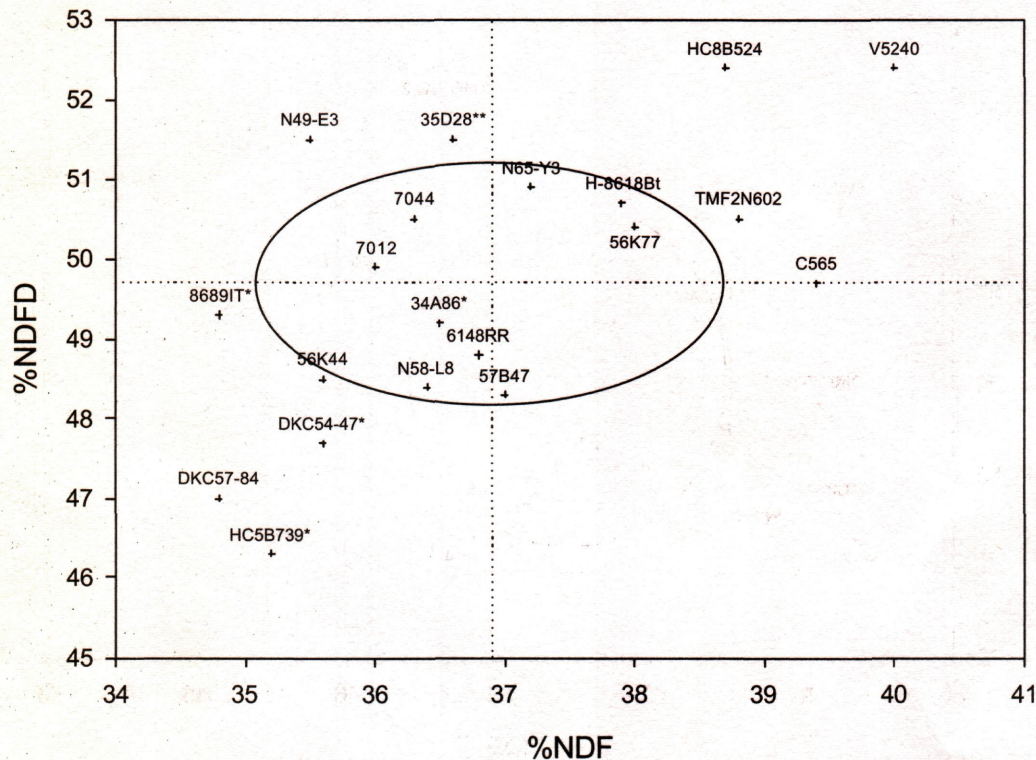


FIGURE 4.

ZONE 2 / 3 LATE SILAGE %NDF vs %NDFD - TRIAL AVERAGE



** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

The area within the circle is >< one LSD from the trial average

FIGURE 5.

ZONE 4 SILAGE %NDF vs %NDFD - TRIAL AVERAGE

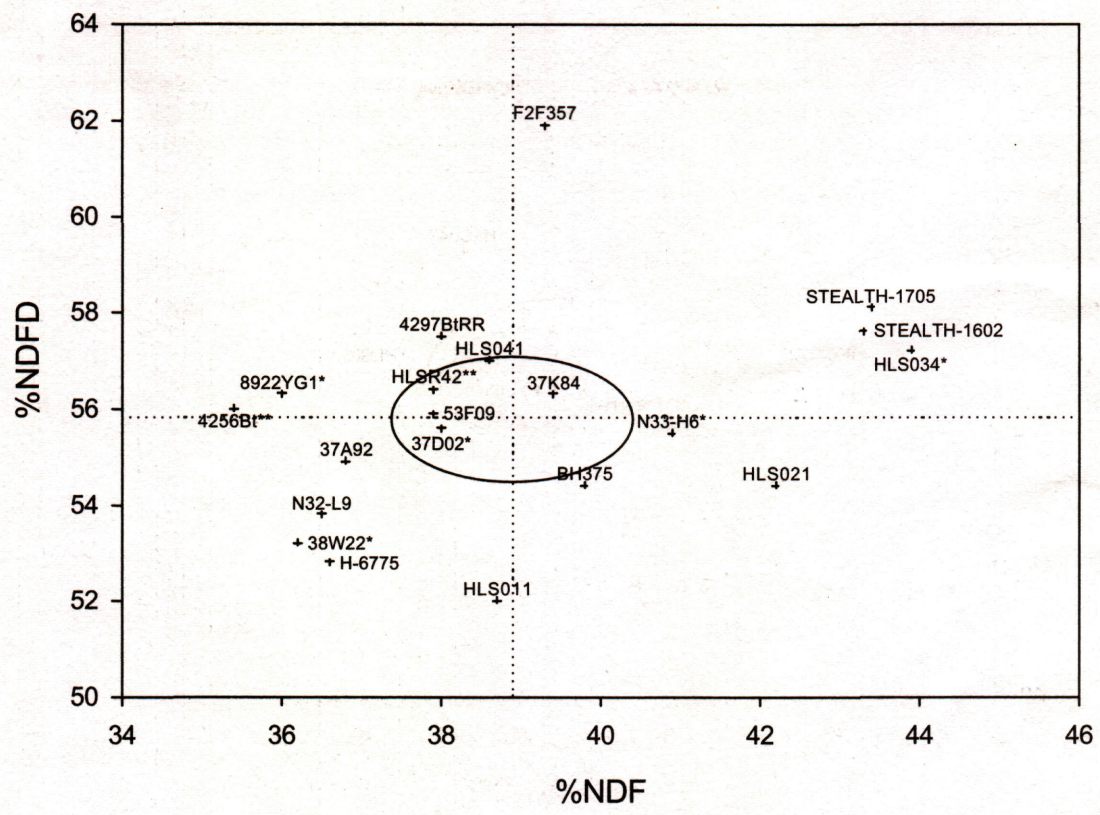
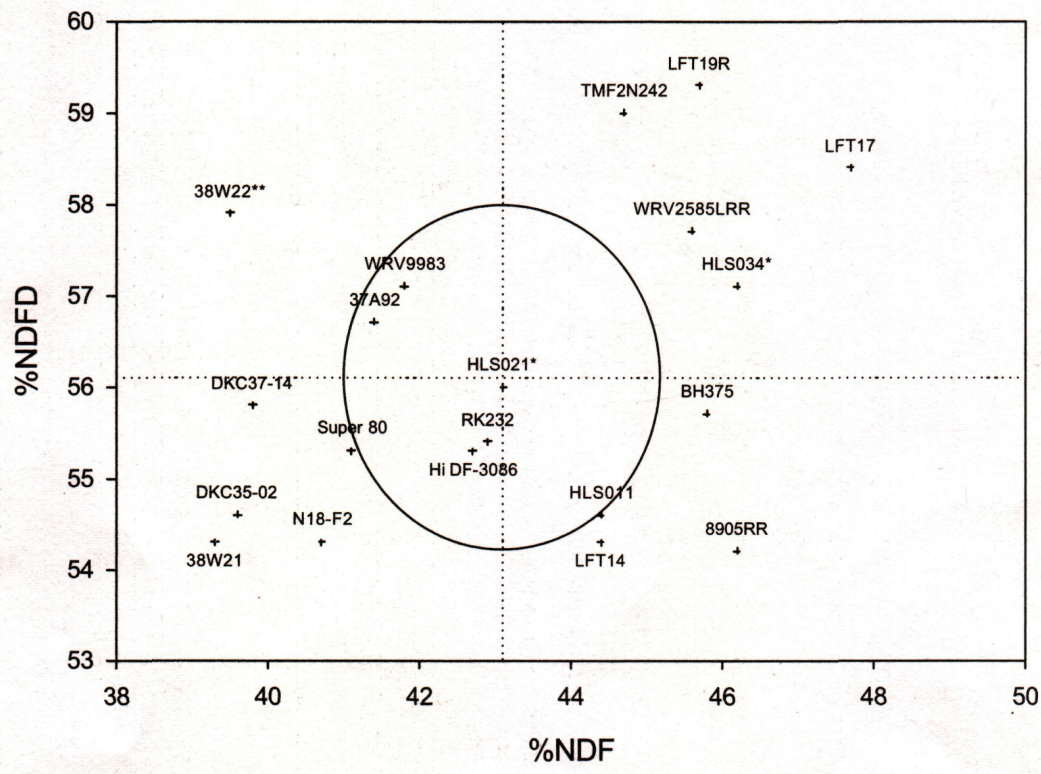


FIGURE 6.

ZONE 5 EARLY SILAGE %NDF vs %NDFD - TRIAL AVERAGE



** Highest Yielding Hybrid
* Not Significantly Different from Highest Yielding Hybrid
The area within the circle is >> one LSD from the trial average

HYBRID INDEX FOR SILAGE TRIALS

The 108 hybrids submitted for silage testing by 25 seed companies (27 brand names) resulted in 130 individual entries in the 2005 Michigan Corn Performance Trials for silage. The map of Michigan shows each zone and locations where the trials were located (page 30). Entries in the southern zones were divided into two maturity groups (early and late) on the basis of the maturity ratings (RM) submitted by the companies. These results are arranged in separate tables that are designated by "E" or "L" along with the table number. Below is a listing of company names, brand names, hybrid numbers, RM, and the table designation for each hybrid.

Zone 1 - Tables 7E/7L			Zone 2 - Tables 8E/8L			Zone 4 - Table 9			Zone 5 - Table 10		
Branch Lenawee Wood (Ohio) Trial Average			Huron - Zone 3 Ingham Kent Trial Average			Alpena Delta - Late Osceola Trial Average			Alger Delta - Early Trial Average		
MONSANTO			UAP NORTHEAST (continued)			MYCOGEN SEEDS (continued)					
ASGROW RX702YG	110	7E	DYNAGRO 54K11			96	8E	MYCOGEN TMF2N242	92	10	
ASGROW RX715RR2	111	7L	DYNAGRO 54P72			99	8E	MYCOGEN TMF2N602	106	8L	
ASGROW RX785RR2/YGCB	113	7L	DYNAGRO 55N37			103	8E	MYCOGEN TMF2T497	100	8E	
			DYNAGRO 55P41			102	8E				
BALDRIDGE BIO-RESEARCH			DYNAGRO 56K44			106	8L	SYNGENTA SEEDS			
BALDRIDGE BH375	85	9,10	DYNAGRO 56K77			108	8L	NK Brand N18-F2	84	10	
BALDRIDGE BH516	103	8E	DYNAGRO 57B47			111	8L	NK Brand N32-L9	93	9	
BALDRIDGE BH609	110	7E	DYNAGRO 57F87			114	7L	NK Brand N33-H6	100	9	
			DYNAGRO 57N13			112	7L	NK Brand N49-E3	105	8L	
BAYSIDE SEEDS, LLC			DYNAGRO 58K56			116	7L	NK Brand N58-L8	106	8L	
BAYSIDE Super 80	80	10	DYNAGRO CX05614			114	7L	NK Brand N63-U9	102	8E	
								NK Brand N65-Y3	108	7E,8L	
BECK'S SUPERIOR HYBRIDS			GARST SEED COMPANY					NK Brand N82-J6	116	7L	
BECK 6197	112	7L	GARST 8200YG1			119	7L	NK Brand NX9104	120	7L	
BECK 7538Bt1	115	7L	GARST 8380IT			115	7L				
			GARST 8689IT			104	8L	PIONEER HI-BRED INTERNATIONAL			
BROWN SEED FARMS, INC.			GARST 8905RR			87	10	PIONEER 33A84	113	7L	
BROWN 6079	101	8E	GARST 8922YG1			91	9	PIONEER 33D63	114	7L	
BROWN 7044	109	8L						PIONEER 34A86	108	7E,8L	
			GOLDEN HARVEST SEEDS, INC.					PIONEER 35D28	108	7E,8L	
CAMPBELL SEED, INC.			GOLDEN HARVEST H-6775			91	9	PIONEER 36K67	102	7E,8E	
CAMPBELL 6990	110	7E	GOLDEN HARVEST H-8618Bt			108	8L	PIONEER 37A92	97	8E,9,10	
CAMPBELL 7110	111	7L	GOLDEN HARVEST H-8920			111	7L	PIONEER 37D02	97	8E,9	
			GOLDEN HARVEST H-9166			113	7L	PIONEER 37K84	99	8E,9	
CORN BELT HYBRIDS								PIONEER 38W21	92	10	
CORN BELT C565	105	8L	GREAT LAKES HYBRIDS					PIONEER 38W22	92	9,10	
			GREAT LAKES 4256Bt			92	9				
DAIRYLAND SEED CO., INC.			GREAT LAKES 4297BtRR			92	9	RENK SEED COMPANY			
DAIRYLAND Hi DF-3007	106	7E	GREAT LAKES 6148RR			111	8L	RENK RK232	85	10	
DAIRYLAND Hi DF-3086	86	10									
DAIRYLAND Hi DF-4200	101	8E	GRIES SEED FARM, INC.					RUPP SEEDS, INC.			
DAIRYLAND STEALTH-1503	100	8E	GRIES X5112			110	7E	RUPP XS1650	106	7E	
DAIRYLAND STEALTH-1598	98	8E						RUPP XS1904	113	7L	
DAIRYLAND STEALTH-1602	98	9	TRELA SEED COMPANY								
DAIRYLAND STEALTH-1611	108	7E	HIGH CYCLE HC5B739			105	8L	SPANGLER SEEDTECH, INC.			
DAIRYLAND STEALTH-1615	111	7L	HIGH CYCLE HC8B524			114	8L	SPANGLER LFT14	80	10	
DAIRYLAND STEALTH-1705	105	9						SPANGLER LFT17	87	10	
DAIRYLAND STEALTH-5007	103	8E	HYLAND SEEDS					SPANGLER LFT19R	87	10	
			HYLAND SEEDS HLS011			76	9,10				
MONSANTO			HYLAND SEEDS HLS021			82	9,10	TRELA SEED COMPANY			
DEKALB DKC35-02 (RR2/YGCB)	85	10	HYLAND SEEDS HLS034			92	8E,9,10	TRELA 7012	105	7E,8L	
DEKALB DKC37-14 (RR2)	87	10	HYLAND SEEDS HLS041			93	8E,9				
DEKALB DKC50-20 (RR2/YGCB)	100	8E	HYLAND SEEDS HLS047			95	8E	ROYSTER-CLARK, INC.			
DEKALB DKC52-23 (RR2/YGCB)	102	7E,8E	HYLAND SEEDS HLS058			101	8E	VIGORO V51P42	110	7E	
DEKALB DKC54-47 (RR2/YGPL)	104	7E,8L	HYLAND SEEDS HLS067			103	8E	VIGORO V5240	112	7L,8L	
DEKALB DKC55-82 (RR2)	105	7E	HYLAND SEEDS HLSR42			93	8E,9				
DEKALB DKC57-30	107	7E	HYLAND SEEDS HLSR59			101	8E	WELLMAN SEEDS, INC.			
DEKALB DKC57-84 (YGCB)	107	7E,8L						WELLMAN W1820	115	7L	
DEKALB DKC61-45 (RR2/YGCB)	111	7L	ICORN					WELLMAN W2615	115	7L	
DEKALB DKC61-72 (RR2)	111	7L	ICORN 111.E3			111	7L				
DEKALB DKC63-62 (RR2)	113	7L						WOLF RIVER VALLEY SEEDS			
			MYCOGEN SEEDS					WOLF RIVER VALLEY WRV2585LRR	85	10	
UAP NORTHEAST			MYCOGEN F2F357			95	9	WOLF RIVER VALLEY WRV9983	83	10	
DYNAGRO 53F09	95	9	MYCOGEN F24725			113	7L				

COMPANY INDEX

BRAND AGRIGOLD	CONTACT AgriGold Hybrids R.R. #1, Box 203 St. Francisville, IL 62460 www.agrigold.com	BRAND DYNAGRO	CONTACT UAP Northeast 240 S. Bridge Street DeWitt, MI 48820 www.uap.com	BRAND PARTNERS BRAND	CONTACT Partners Brand P.O. Box 218 Dansville, MI 48819 877-320-0474
ASGROW	Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.asgrow.com	GARST	Garst Seed Company 2369 330th Street Slater, IA 50244 www.garstseed.com	PIONEER	Pioneer Hi-Bred International 210 Westfield Dr. Archbold, OH 43502 www.pioneer.com
BALDRIDGE	Baldridge Bio-Research P.O. Box 99 Cherry Fork, Oh 45618 www.baldridgehybrids.com	GOLDEN HARVEST	Golden Harvest Seeds, Inc. RENK P.O.Box 248 Pekin, IL 61555 www.goldenharvestseeds.com		Renk Seed Company 6800 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
BAYSIDE	Bayside Seeds, LLC 259 Bowker Road Munger, MI 48747 www.baysideseeds.com	GREAT LAKES	Great Lakes Hybrids 9915 West M-21 Ovid, MI 48866 www.glh-seeds.com	RUPP	Rupp Seeds, Inc. 17919 Co. Rd. B Wauseon, OH 43567 www.ruppseeds.com
BECK	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	GRIES	Gries Seed Farms, Inc. 2348 N. Fifth Street Freemont, OH 43420 www.griesseed.com	SEED CONSULTANTS	Seed Consultants, Inc. P.O. Box 370 Washington Court House, OH 43160 www.seedconsultants.com
BIO GENE	Bio Gene Seeds 5491 Tri-County Highway Sardinia, OH 45171 www.biogeneseeds.com	HIGH CYCLE	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.com	SPANGLER	Spangler Seedtech, Inc. 803 West Racin Jefferson, WI 53549 www.spanglerseeds.com
BROWN	Brown Seed Farms, Inc. P.O. Box 7 Bay City, WI 54723 www.brownseed.com	HYLAND SEEDS	Hyland Seeds 2 Hyland Drive Blenheim, Ontario, Canada NOP 1A0 www.highlandseeds.com	STEYER	Steyer Seeds 6159 North Count Road 33 Tiffin, OH 44883 419-992-4570
CAMPBELL	Campbell Seed, Inc. 1375 North 800 West Tipton, IN 46702 www.campbellseeds.com	ICORN	ICorn 792 North Peru Street Cicero, IN 46034 www.icorn.com	TRELAY	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.com
CORN BELT	Corn Belt Hybrids P.O. Box 95 St. Marys, OH 45885 www.cornbelthybrids.com	JUNG	Jung Seed Genetics, Inc. 341 South High Street Randolph, WI 53956 www.jungseedgenetics.com	UNITY	Unity Ag Direct, Inc. 107 Fallon St. Kentland, IN 47951 www.unityagdirect.com
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Oh How Times Have Changed

Harvest of hill plots and single row plots were done by hand in the 1930s, 40s and 50s.



Ford tractor mounted one row picker shellers harvested single row plots between 1959 and 1989.

This research corn sheller was used for both single and two row plots from 1985 to 1996.



At first, silage plots were all hand harvested. Ear and fodder weights were taken separately. This practice continued up through 1968.



This GEHL one row trailer chopper was adapted to harvest the fodder from 1969 through 1974.



This 3 point mounted New Holland 707 chopper was used from 1975 until 1999. Whole plants were now harvested at once for weight and sampling.



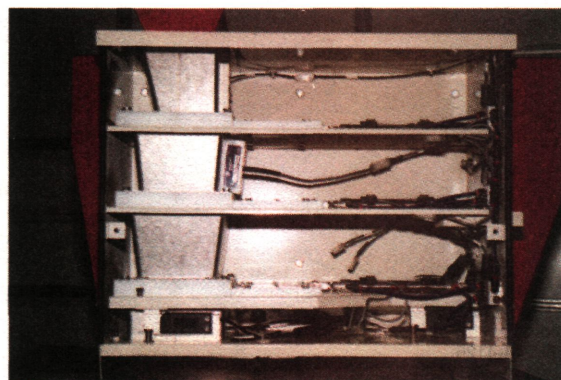
Since 1995 this Massey Ferguson plot combine has been used for harvest. The center 2 rows are harvested from four row plots.



In 2000, this two row forage harvester was built. It allows for the harvest of the center two rows of each plot. Samples are drawn right from the weight box for processing quality.



Early picker shellers used these 100 lb. milk scales and a weight bucket. Samples were collected in moisture proof envelopes for moisture analysis back in the lab.



Today weigh systems like this measure plot weight and determine moisture and test weight all at once in the field.

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