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Extension Bulletin E-431 December 2006

MICHIGAN STATE
UNIVERSITY
EXTENSION

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BRAND	CONTACT	BRAND	CONTACT	BRAND	CONTACT
AGRIGOLD	AgriGold Hybrids R.R. #1, Box 203 St. Francisville, IL 62460 www.agrigold.com	GARST	Garst Seed Company 2369 330th Street Slater, IA 50244 www.garstseed.com	NK BRAND	Syngenta Seeds 4714 S. Castor Rd. Breckenridge, MI 48165 www.nk.com
ASGROW	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.asgrow.com	GOLDEN HARVEST	Golden Harvest Seeds 18356 IL Rt. 9 Pekin, IL 61554 www.goldenharvestseeds.com	PARTNERS BRAND	Partners Brand P.O. Box 218 Dansville, MI 48819 517-851-4762
BALDRIDGE	Baldrige Bio-Research P.O. Box 99 Cherry Fork, OH 45618 www.baldridgehybrids.com	GREAT LAKES	Great Lakes Hybrids 9915 West M-21 Ovid, MI 48866 www.GreatLakesHybrids.com	PIONEER	Pioneer Hi-Bred International 210 Westfield Dr. Archbold, OH 43502 www.pioneer.com
BAYSIDE	Bayside Seeds, LLC 259 Bowker Road Munger, MI 48747 www.baysideseeds.com	GRIES	Gries Seed Farms, Inc. 2348 N. Fifth Street Fremont, OH 43420 www.griesseed.com	RENK	Renk Seed Company 6800 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
BECK	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	HYLAND SEEDS	Hyland Seeds 2 Hyland Drive Blenheim, ONT Canada www.hylandseeds.com	RUPP	Rupp Seed, Inc. 17919 Co. Rd. B Wauseon, OH 43567 www.ruppseeds.com
BROWN	Brown Seed Farms, Inc. P.O. Box 7 Bay City, WI 54723 www.brownseed.com	ICORN	ICORN 792 North Peru Street Cicero, IN 46034 www.icorn.com	SCHLESSMAN	Schlessman Seed 11513 US 250 Milan, OH 44846 www.schlessman-seed.com
CORN BELT	Corn Belt Hybrids P.O. Box 95 St. Marys, OH 45885 www.cornbelthybrids.com	INTEGRA SEED	Integra Seed 4160 10 Mile Road Sparta, MI 49345 www.integraseed.com	SEED CONSULTANTS	Seed Consultants, Inc. P.O. Box 370 Washington Court House, OH 43160 www.seedconsultants.com
CROPLAN	Croplan Genetics P.O. Box 64231 St. Paul, MN 55164 www.croplangenetics.com	JUNG	Jung Seed Genetics, Inc. 341 South High Street Randolph, WI 53956 www.jungseedgenetics.com	SPANGLER	Spangler Seedtech, Inc. 803 West Racine St. Jefferson, WI 53549 www.spanglerseed.com
CROW'S	Crow's Hybrid Corn Co. P.O. Box 157 Kentland, IN 47951 www.crowshybrid.com	LASER	Golden Harvest Seeds 18356 IL Rt. 9 Pekin, IL 61554 www.golenharvestseeds.com	TRELAY	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.com
DAIRYLAND STEALTH	Dairyland Seed Co., Inc. P.O. Box 958 West Bend, WI 53095 www.dairylandseed.com	LEGACY	Legacy Brand Hybrids, Inc. 11384 Laberde Road Deerfield, MI 49238 517-206-3735	TRISLER	Trisler Seed Farms, Inc. 3274 East 800 North Road Fairmont, IL 61841 www.trisler.com
DEKALB	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.dekalb.com	MIDWEST	Midwest Seed Genetics P.O. Box 518 Carroll, IA 51401 800-369-8218	WELLMAN	Wellman Seeds, Inc. 23778 Delphos - Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
DYNA-GRO	UAP Distribution, Inc. 140 Office Parkway Pittsford, NY 14534 www.uap.com	MYCOGEN	Mycogen Seeds 9330 Zionsville Road Indianapolis, IN 46268 www.mycogen.com	WOLF RIVER VALLEY	Wolf River Valley Seeds N2976 County Hwy. M White Lake, WI 54491 www.wolfrivervalleyseeds.com

2006

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 to determine performance.

Entries

Seed companies are invited to enter hybrids in the trials and a fee is charged to cover expenses. Separate indexes for grain and silage provides a list of all hybrids entered in the 2006 trials (pg. 26 and 35, respectively). Thirteen grain and nine silage locations were planted. A total of 346 hybrids from 34 seed companies (36 brand names) make up the 559 entries which translates to 1,643 separate county entries. Company names used in association with hybrid numbers refer to the brand. The hybrid 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). A new "Trait" column, using code numbers, lists any hybrid quality trait provided by the company. Treatment and Trait codes are listed in the tables on page 21.

How to Use This Bulletin

Tables list hybrids alphabetically and contain yield results for each location, plus 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 multiple year and multiple 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 2006

Most trials in Zones 1 & 2, plus Huron County and Montcalm's Glyphosate trial Zone 3 were planted the last week of April. Lenawee County (zone 1) was planted on May 1st, and Ingham County Silage (zone 2) was planted on May 4th. Delta, Alger and Alpena Counties were planted on May 8th. The remaining sites in Zones 3 & 4 Montcalm, Mason, Osceola and Grand Traverse Counties were planted on May 9th. Silage harvest began August 22nd in Wood County Ohio and ended on October 1st. Grain harvest was completed between October 9th and November 8th.

Again, excellent field conditions in late April early May allowed for the planting of eleven trials by May 4th. Continued excellent weather allowed the completion of planting by May 9th before the heavy rainfalls that delayed planting for growers across the State.

With good soil moisture, the crop got off to a good start through May and June. The crop remained healthy as rainfall remained plentiful. Excess rainfall did cause some problems for timely herbicide and nitrogen applications. A healthy crop at silage harvest saw little of the premature dry-down seen in 2004 and 2005. Grain harvest struggled around wet weather most of October, delaying the completion of harvest into November.

Table A (pg. 5) presents 2006 accumulations of temperature, rainfall, and heat units, plus their deviation from 30 year normals. Data is obtained from MSU weather stations located closest to each location. Actual accumulation at each location may vary slightly.

2006 GROWING SEASON WEATHER SUMMARY

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Among the most significant weather trends of the 2006 growing season were highly variable seasonal precipitation totals across the state and wet, cool, and inclement fall harvest conditions. Moisture-wise, the season got off to a good start over nearly all of Michigan due to several rounds of heavy snow and rain during January and February and near complete off-season soil moisture recharge. An upper air ridging pattern developed across the Midwest region during late March and despite a few short breaks, persisted into mid-May. The mild temperatures resulted in significant early phenological development of most overwintering crops. Mean two-inch bare soil temperatures rose above the 50°F mark across most southern and western sections of the Lower Peninsula by mid-April, prompting the beginning of early planting which continued at an increasing pace into early May. Seasonal Growing Degree Day accumulations (GDD) at that point in the season were generally running 5 to 10 days ahead of normal across the state. Following the rapid start of the season, an upper air troughing pattern developed over the Great Lakes region during the second week of May and persisted for almost two weeks, resulting in an extended period of cool and wet weather. Rain fell over much of Michigan on an almost daily basis, with 2-5 inch totals reported over many central and southern sections of the state. The change in weather halted spring planting and other fieldwork activities and slowed germination and early growth of perennial and already planted annual crops. Frost and freezing temperatures across some areas of the state on the 21st and 22nd of May led to a variety of cold injury to crops, some of it severe.

A more benign west to east jet stream pattern developed across North America by the end of May. Which led to more seasonable temperatures, and a rapid resumption and completion of spring planting. Fair weather prevailed during much of June, with rapid crop growth and development. Periodic rainfall favored crops across eastern and southern sections of the state while topsoil moisture in many northern sections of the state became limited for crop growth due to relatively low precipitation totals since mid-March. By early July, soil moisture levels across the state ranged from excessively wet to abnormally low given the highly variable rainfall

pattern. Precipitation departures ranged from more than 6 inches above normal in west central and central sections of Lower Michigan to more than 6 inches below normal in western sections of Upper Michigan.

Unusually hot and humid weather impacted Michigan and nearly all of the continental United States during the last two weeks of July and the first week of August. Nationally, more than 2,300 individual daily records for high temperatures were broken as well as 50 new records for the hottest July temperature ever. The heat wave was associated meteorologically with a broad upper air ridge over a massive subtropical air mass that moved slowly from west to east across the country. Maximum air temperatures near or above 90°F were common across Michigan during the event along with extremely high dew point temperatures (values at or above 70°F which is near the absolute climatological limits for the state). This combination led to stressful conditions for humans and livestock, but also to rapid crop growth and development rates where moisture was not limiting. Following seasonable and generally favorable conditions during the latter half of August, an upper air troughing pattern once again set up over the Great Lakes region in early September and persisted off and on into early November. This pattern brought abnormally cool and wet weather to all of Michigan (including significant snowfall in some parts of the state) which led to lengthy delays in fall harvest activities, low grain drydown rates, and relatively high-moisture harvested grain. The first killing frost/freeze of the season occurred during the last week of September or first week of October in northern sections of the state and in mid-October over central and southern sections, which is climatologically near to slightly later than normal.

Overall for the 5-month May-September period, precipitation totals ranged from much below normal levels in many part of Upper Michigan (the second consecutive year that this has occurred) to much above normal levels in central and southern sections of the Lower Peninsula. Mean temperatures and seasonal GDD accumulations were not too far from the climatological normals, with GDD totals generally ranging within 10% of climatological normal values.

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	60.4	58.3	2.1	68.6	67.8	0.8	74.3	71.7	2.6	72.2	69.9	2.3	61.9	62.6	-0.7	67.5	66.1	1.4
	PPT	5.34	3.04	2.30	1.96	3.30	-1.34	3.13	3.73	-0.60	3.47	3.20	0.27	3.95	2.62	1.33	17.85	15.89	1.96
	GDD	356	353	3	563	542	21	762	658	104	694	616	78	380	432	-52	2755	2601	154
ST. JOSEPH (Branch & Cass)	TEMP	58.2	59.2	-1.0	68.4	68.4	0.0	73.5	71.9	1.6	70.9	70.1	0.8	60.5	63.3	-2.8	66.3	66.6	-0.3
	PPT	5.65	3.12	2.53	2.65	3.95	-1.30	7.36	3.79	3.57	5.62	3.16	2.46	2.50	3.01	-0.51	23.78	17.03	6.75
	GDD	314	381	-67	564	564	0	735	670	65	655	628	27	345	454	-109	2613	2697	-84
WOOD (Bowling Green, OH)	TEMP	60.2	60.1	0.1	69.3	69.8	-0.5	74.9	73.4	1.5	73.4	70.9	2.5	62.4	64.1	-1.7	68.0	67.7	0.4
	PPT	6.60	3.58	3.02	3.91	3.56	0.35	9.05	3.57	5.48	3.18	3.36	-0.18	2.31	2.63	-0.32	25.05	16.70	8.35
	GDD	369	360	9	596	551	45	752	682	70	705	628	77	414	430	-16	2836	2651	185
KENT	TEMP	58.7	57.4	1.3	68.1	67.1	1.0	75.2	71.2	4.0	71.7	69.5	2.2	60.7	61.9	-1.2	66.9	65.4	1.5
	PPT	4.81	2.86	1.95	1.80	3.68	-1.88	6.65	2.95	3.70	1.69	3.14	-1.45	5.31	3.24	2.07	20.26	15.87	4.39
	GDD	322	335	-13	549	530	19	787	654	133	682	610	72	340	412	-72	2680	2541	139
INGHAM	TEMP	58.6	57.5	1.1	67.1	67.0	0.1	74.1	70.7	3.4	70.6	69.0	1.6	59.7	62.0	-2.3	66.0	65.2	0.8
	PPT	4.66	2.73	1.93	1.60	3.54	-1.94	4.05	3.02	1.03	3.41	3.12	0.29	3.07	2.50	0.57	16.79	14.91	1.88
	GDD	321	338	-17	522	530	-8	754	640	114	645	598	47	316	418	-102	2558	2524	34
SAGINAW	TEMP	58.7	58.6	0.1	66.6	68.2	-1.6	74.0	72.1	1.9	70.5	70.2	0.3	59.7	62.9	-3.2	65.9	66.4	-0.5
	PPT	5.67	2.49	3.18	2.07	3.09	-1.02	3.43	2.83	0.60	3.49	3.29	0.20	2.31	2.76	-0.45	16.97	14.46	2.51
	GDD	316	367	-51	507	555	-48	751	670	81	647	623	24	319	438	-119	2540	2653	-113
HURON	TEMP	58.2	55.2	3.0	65.7	64.9	0.8	72.6	69.3	3.3	68.4	67.8	0.6	58.7	61.0	-2.3	64.7	63.6	1.1
	PPT	3.70	2.58	1.12	1.84	2.88	-1.04	4.68	2.93	1.75	1.61	3.01	-1.40	3.02	2.67	0.35	14.85	14.07	0.78
	GDD	303	298	5	485	479	6	707	602	105	578	569	9	292	387	-95	2365	2335	30
MONTCALM	TEMP	57.1	57.7	-0.6	65.9	67.1	-1.2	72.0	71.0	1.0	68.9	69.3	-0.4	58.0	61.6	-3.6	64.4	65.3	-1.0
	PPT	4.45	2.88	1.57	2.18	3.43	-1.25	5.25	2.50	2.75	2.25	3.84	-1.59	3.15	3.12	0.03	17.28	15.77	1.51
	GDD	299	351	-52	491	536	-45	689	646	43	594	603	-9	279	414	-135	2352	2550	-198
MASON	TEMP	55.3	54.4	0.9	62.3	63.6	-1.3	70.2	68.5	1.7	67.9	67.2	0.7	57.6	60.2	-2.6	62.7	62.8	-0.1
	PPT	4.93	2.48	2.45	3.73	2.93	0.80	2.70	2.18	0.52	2.01	3.79	-1.78	4.62	3.25	1.37	17.99	14.63	3.36
	GDD	246	273	-27	395	450	-55	634	587	47	563	552	11	263	365	-102	2101	2227	-126
ALPENA	TEMP	56.8	52.0	4.8	64.8	61.7	3.1	71.8	66.6	5.2	66.2	64.9	1.3	57.6	57.2	0.4	63.4	60.5	3.0
	PPT	3.93	2.78	1.15	2.47	3.12	-0.65	2.80	3.11	-0.31	4.12	3.23	0.89	2.81	3.08	-0.27	16.13	15.32	0.81
	GDD	268	251	17	459	413	46	684	534	150	516	496	20	273	317	-44	2200	2011	189
GRAND TRAVERSE	TEMP	57.1	53.5	3.6	64.4	63.7	0.7	72.7	68.8	3.9	69.2	67.3	1.9	59.1	59.3	-0.2	64.5	62.5	2.0
	PPT	2.83	2.48	0.35	1.66	3.15	-1.49	1.61	2.88	-1.27	2.82	2.93	-0.11	2.99	3.60	-0.61	11.91	15.04	-3.13
	GDD	299	273	26	470	454	16	680	587	93	589	552	37	315	348	-33	2353	2214	139
MENOMINEE (Delta)	TEMP	55.7	53.6	2.1	62.8	62.7	0.1	71.5	67.4	4.1	66.2	65.5	0.7	56.7	57.0	-0.3	62.6	61.2	1.3
	PPT	5.06	3.57	1.49	1.70	3.72	-2.02	2.60	3.63	-1.03	3.38	3.86	-0.48	3.21	3.60	-0.39	15.95	18.38	-2.43
	GDD	293	285	8	465	438	27	635	559	76	518	513	5	312	319	-7	2223	2114	109
ALGER (Chatham)	TEMP	50.5	52.6	-2.1	58.9	62.3	-3.4	67.8	65.7	2.1	63.1	65.2	-2.1	54.2	57.7	-3.5	58.9	60.7	-1.8
	PPT	6.60	2.85	3.75	1.16	3.06	-1.90	2.68	3.57	-0.89	4.42	3.08	1.34	3.35	3.69	-0.34	18.21	16.25	1.96
	GDD	186	263	-77	338	419	-81	568	499	69	432	492	-60	212	311	-99	1736	1984	-248

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 2006
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)

2006

GRAIN PERFORMANCE TRIALS

Introduction

Thirteen locations (see map pg. 7) containing 29 grain trials were planted. The grain index (pg.26) contains a list of all hybrids planted in the 2006 grain trials.

County results are reported in the following tables:

- Tables 1E/1L Zone 1** - Branch, Cass, and Lenawee
Tables 2E/2L Zone 2 - Ingham, Kent and Saginaw
Tables 3E/3L Zone 3 - Huron, Mason, and Montcalm
Table 4 Zone 4 - Alpena, Delta (L), and Grand Traverse
Table 5 Zone 5 - Delta (E) and Alger
Tables 6E/6L Glyphosate Trial - Huron and Montcalm (Zone 3) and Saginaw (Zone 2)

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 experimental layout was 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, and Montcalm 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 with other important agronomic information in Table B (pg. 23). 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.

Results

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 page 7 shows the locations of the grain trials and divides Michigan into five generalized maturity zones. Local variations in weather, soil type, 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 2006, Hybrids were identified in Grand Traverse County for public viewing with 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 under optimum drying conditions. 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 averaged 2 to 3 moisture points below the later maturing hybrids at harvest in 2006. Economically, Zone 1 and 3, with average yield differences of 6 to 8 bushel shows little advantage for growing later maturing hybrids. Zone 2 in comparison, with supple rainfall and adequate temperatures, late hybrids averaged more than 25 bushel higher.

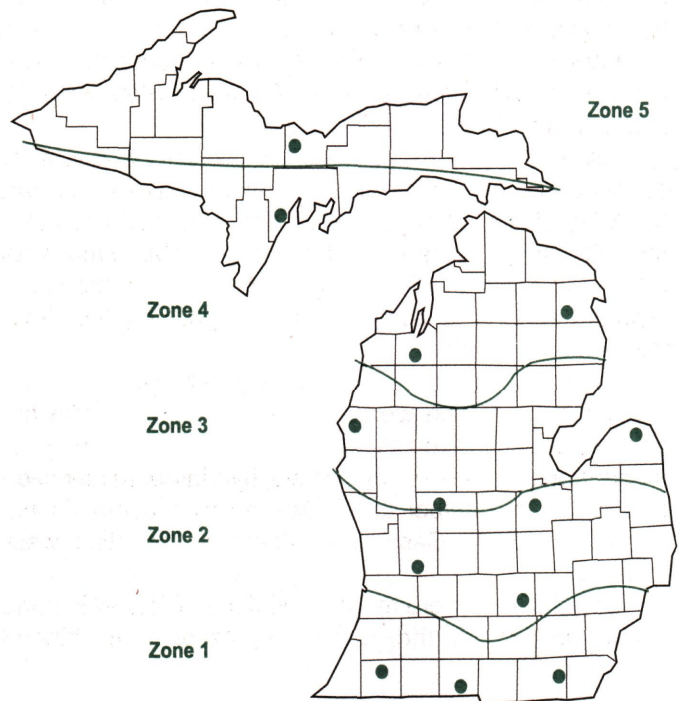
For Grain

When you are selecting a hybrid, yield should not be the only consideration. A hybrid with lower grain moisture but above average yield will often have higher net returns than a top-yielding hybrid with higher grain moisture. A one-point increase in moisture requires approximately 2 more bushels in yield to break even. It is often better to choose earlier hybrids (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. Reducing corn losses resulting from broken stalks and dropped ears.
7. Fall tillage of corn stubble can be completed on land not subject to erosion.

2006 Grain Trial Locations



BRAND / HYBRID	RM	TRT	Trait	EARLY TRIAL AVERAGE					% QUALITY			BRANCH - EARLY			CASS - EARLY			LENAWEE - EARLY								
				%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strech	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
AGRI GOLD A6325RWRR	104	P250	1,3	20.6	215.2	54.3	2.0	91	8.2	3.6	59.8	21.7	216.7	52.2	1.9	89	21.1	199.5	54.7	2.7	85	18.9	229.6*	55.9	1.4	99
AGRI GOLD A6394Bt	107	P250	2	22.2	229.5*	51.7	2.5	95	7.4	3.7	59.4	23.2	243.7*	50.9	0.3	97	24.3	213.7	51.3	3.1	90	19.3	231.0*	53.0	4.2	100
AGRI GOLD A6395BRWRR	107	P250	1,2,3	22.1	202.0	54.0	1.7	89	7.7	4.2	58.4	22.9	209.4	53.2	1.8	88	23.8	187.9	54.2	1.2	79	19.7	208.5	54.5	2.1	100
BAY/SIDE 2103YGCBRR	103	P250	1,2	22.0	216.3	54.9	1.6	94	7.6	3.4	61.3	22.6	222.4	53.6	2.3	92	22.8	216.9*	54.8	0.8	91	20.6	209.8	56.2	1.8	100
BECK 5244RR	106	P250	1,2	22.1	228.4*	55.0	2.2	92	8.7	3.7	59.7	22.5	233.5	54.0	2.8	95	24.2	221.5*	54.4	2.4	82	19.6	230.3*	56.6	1.4	100
CROPLAN 5891RR	107	C250	1	21.7	219.9	53.6	2.6	97	8.3	3.7	59.7	22.6	227.9	52.2	2.0	99	23.5	216.2	53.2	3.7	94	19.1	215.5	55.4	2.1	99
CROWS 4222S	106	C250	1,2	21.4	231.8*	53.9	1.4	94	7.4	3.2	60.8	22.3	252.7**	53.0	0.7	95	22.4	209.4	54.5	2.3	87	19.5	232.2*	54.2	1.0	100
DAIRYLAND STEALTH-1806	106	P250	1	22.1	211.6	52.8	1.3	89	7.1	3.3	60.5	22.6	211.1	51.5	2.1	94	24.0	193.7	52.3	1.0	74	19.8	229.8*	54.6	0.7	99
DAIRYLAND STEALTH-5007	107	P250	2	20.8	218.2	54.0	0.8	97	8.9	3.5	59.4	22.3	225.1	52.4	1.4	95	21.5	208.2	54.4	0.6	95	18.7	221.2*	55.1	0.3	100
DAIRYLAND STEALTH-5204	104	P250	2	19.8	227.1*	56.3	0.8	97	8.1	3.9	60.1	20.1	235.8	54.9	0.3	100	21.1	223.7*	56.2	1.4	93	18.3	221.9*	57.7	0.7	100
DAIRYLAND STEALTH-5503	105	P250	2	21.8	218.6	55.1	1.4	95	7.4	3.7	60.8	22.2	225.7	53.6	0.3	96	22.6	204.9	55.1	3.9	89	20.5	225.2*	56.6	0.0	100
DAIRYLAND STEALTH-6006	106	P250	1	21.1	230.7*	53.9	2.8	97	8.1	3.8	59.2	22.0	231.4	52.1	3.0	99	22.1	227.3*	53.7	3.4	91	19.3	233.4*	55.8	2.1	100
DEKALB DKC52-40 (RR2YG/PL)	102	P250	1,2,3	19.0	214.8	55.4	0.8	94	7.7	3.9	60.4	19.1	220.3	54.4	1.1	90	20.1	208.2	55.3	0.9	91	17.7	215.9	56.5	0.4	100
DEKALB DKC54-46 (RR2YG/PL)	104	P250	1,2,3	19.6	208.3	55.6	0.7	94	8.5	4.2	58.8	20.0	222.3	54.2	0.4	94	21.1	201.4	55.5	0.7	93	17.8	201.3	57.2	1.1	94
DEKALB DKC55-12 (YGCB)	105	P250	2	19.4	231.1*	55.0	3.3	95	7.8	4.4	59.9	20.0	230.6	53.0	1.4	93	20.4	233.5**	55.5	3.0	92	17.9	229.1*	56.5	5.6	100
DEKALB DKC57-79 (RR2YG/PL)	107	P250	1,2,3	21.3	223.1	55.9	1.4	96	8.6	4.2	58.8	22.7	238.7*	54.1	0.4	97	22.3	209.2	55.7	3.2	91	18.9	221.3*	57.9	0.7	100
DYNAGRO 55B66	105	P250	1,2,3	19.8	209.5	56.8	1.6	94	7.9	4.3	59.4	20.5	207.4	55.7	0.7	88	20.8	207.7	56.7	2.2	93	18.2	213.4	57.9	1.7	100
DYNAGRO 55P86	105	P250	1,2	21.7	206.7	55.0	0.6	88	8.0	3.6	60.7	22.1	215.4	53.5	0.4	83	22.5	195.0	55.3	0.5	84	20.5	209.5	56.3	0.7	98
DYNAGRO 56X89	107	P250	2	22.6	193.2	52.5	1.3	83	8.7	4.1	59.2	24.3	206.2	51.4	0.8	84	23.7	166.5	52.6	1.7	70	19.8	206.8	53.4	1.5	96
GARST 852BVG/IT	107	C250	2,6	21.2	192.9	56.0	2.0	84	8.7	4.0	59.3	21.4	206.3	54.8	1.9	85	22.2	148.2	55.5	2.6	68	20.0	224.0*	57.6	1.4	98
GARST 853YG/IT	107	C250	2,6	21.5	218.7	54.2	0.5	92	7.4	4.3	59.5	22.5	227.8	53.1	0.4	91	22.3	196.9	54.2	0.8	87	19.6	231.3*	55.5	0.4	100
GARST 8676T	104	C250	6	20.2	224.7*	54.9	1.1	93	7.2	3.4	60.9	20.6	232.4	53.6	1.8	96	21.6	210.2	55.0	1.6	87	18.4	231.3*	56.2	0.0	97
GARST 8693CB/ILL	105	C250	2,4	21.1	221.0	53.4	1.1	88	6.7	3.3	62.0	21.3	245.1*	52.4	1.1	92	22.7	190.7	53.5	1.3	72	19.4	227.1*	54.5	1.1	100
GOLDEN HARVEST H-8473	107	C250	1	20.8	205.3	54.6	1.8	88	7.8	3.6	59.8	21.6	201.1	53.3	2.8	85	22.4	198.5	54.2	1.3	82	18.6	216.1	56.2	1.5	97
GREAT LAKES 571B/RR	107	P250	1,2	21.9	224.8*	52.6	2.4	96	7.4	3.8	59.1	23.3	234.9	51.2	0.4	96	23.0	217.4*	52.6	2.3	91	19.1	222.1*	54.0	4.6	98
GRIES EX6090	90	P250	1,2	18.4	165.1	57.9	3.2	91	7.9	3.7	60.9	19.5	143.5	56.3	2.9	91	18.0	158.1	58.4	3.9	86	17.7	193.7	58.9	2.8	99
GRIES EX6094	94	P250	1	18.7	191.8	55.9	2.8	94	7.9	4.1	59.9	18.6	194.1	54.7	2.5	92	19.8	192.8	56.3	1.3	89	17.8	188.4	56.8	4.5	100
GRIES EX6104	104	P250	1,2	21.7	217.6	55.3	1.7	98	7.5	3.5	60.9	21.9	232.7	54.4	2.3	100	22.6	209.4	55.0	1.6	93	20.6	210.6	56.6	1.1	100
GRIES EX6106	106	P250	1	20.5	209.4	54.9	1.2	84	8.0	3.7	60.2	21.3	219.4	53.1	1.7	80	21.4	184.3	54.7	0.5	83	18.8	224.5*	56.9	1.3	88
INTEGRA SEED INT9541RB	104	P250	1,2	21.3	211.8	55.1	2.5	89	7.5	3.4	61.2	21.9	225.8	53.6	2.5	91	21.8	187.9	55.6	3.3	76	20.0	221.6*	55.0	1.8	99
JUNGG 5572YGCB	103	P250	1,2,3	19.9	197.2	54.1	1.4	87	6.9	3.5	61.6	20.2	173.5	52.6	0.5	75	20.9	188.9	54.7	1.9	86	18.7	229.0*	55.0	1.8	100
LEGACY 44D45	106	P250	1	20.2	214.8	56.7	2.0	93	8.4	4.0	59.4	19.8	222.0	55.7	3.0	98	21.8	211.6	56.2	2.7	81	18.9	210.7	58.3	0.4	99
LEGACY 44K74	107	P250	1	22.1	221.2	52.6	1.8	93	7.5	3.5	60.7	22.8	237.2*	51.5	2.4	96	22.8	200.8	53.2	2.2	83	20.7	225.5*	53.1	0.7	99
LEGACY 45M91	105	P250	1	20.3	210.0	54.6	1.2	84	8.2	3.7	60.1	21.3	200.1	53.0	2.1	77	20.9	199.3	54.9	1.2	83	18.7	230.7*	55.8	0.4	93
NK Brand N48-R3	103	C250	2,4	19.2	214.1	53.3	2.4	93	8.6	4.4	58.3	20.1	224.2	51.6	1.0	95	19.5	187.7	53.9	4.8	84	18.1	230.5*	54.4	1.4	100
NK Brand N51-Z7	104	C250	2,4	20.0	201.2	54.1	2.6	90	6.7	3.9	61.1	20.3	202.1	53.2	2.1	96	21.4	181.7	54.1	2.2	74	18.3	219.7	55.0	3.5	100
NK Brand N53-W3	105	C250	1	20.2	210.7	55.0	2.8	93	7.6	3.4	60.4	21.1	233.7	53.3	2.7	98	21.1	182.0	55.3	1.9	81	18.5	216.3	56.5	3.8	100
PIONEER 35A31	105	P1250	2,4,11,13	22.2	221.5	55.6	1.3	91	7.3	2.9	61.4	23.2	225.8	54.2	0.4	91	23.9	210.0	55.1	3.1	81	19.7	228.7*	57.5	0.4	100
PIONEER 35F38	104	P1250	1,2	21.1	219.0	56.1	1.4	93	7.8	4.0	59.5	22.1	237.9*	54.3	2.3	100	22.0	194.9	56.4	0.2	79	19.3	224.2*	57.7	1.7	100
PIONEER 36K69	103	P1250	1,2,4	21.9	232.4**	54.5	1.5	95	8.2	3.7	59.1	23.0	237.3*	52.9	0.7	93	22.9	224.4*	54.5	2.4	94	19.8	235.6**	56.0	1.4	99
PIONEER 36Y84	103	P1250	1,1	19.1	216.2	57.1	2.1	98	7.7	3.4	61.1	19.4	214.8	55.9	3.1	97	19.8	215.4	57.4	1.5	98	18.2	218.3	58.0	1.7	100
RENK RK72YGCB	104	C250	2	19.8	201.2	54.8	0.9	96	7.9	4.5	58.4	20.3	199.9	53.2	2.0	99	20.8	193.9	55.0	0.6	90	18.4	209.9	56.0	0.0	99
RUPP XR8624	100	C250	2	21.0	214.7	55.0	1.9	96	7.4	3.4	61.2	21.7	226.0	53.6	1.0	94	21.9	201.5	55.3	3.8	93	19.5	216.7	56.0	1.0	100
RUPP XR8626	102	C250	2	19.6	220.1	56.1	2.6	97	7.4	3.7	60.5	19.9	232.8	55.2	1.0	100	20.8	209.8	56.0	3.1	90	18.2	217.6	57.1	3.8	100
RUPP XR8656	106	C250	2	21.1	20																					

BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
TRISLER T-2390HX	99	P250	2	19.9	215.8	54.7	3.9	89	7.5	3.7	61.9	20.4	219.3	53.1	2.2	87	20.8	201.8	55.2	3.1	81	18.5	226.4	55.6	6.3	99
TRISLER T-2475RRCB	100	P250	1,2	19.9	191.8	54.7	1.6	81	7.8	3.3	60.4	20.2	199.9	53.9	2.4	84	20.9	171.1	55.1	1.8	66	18.5	204.5	55.2	0.8	93
TRISLER T-2744CB	102	P250	2	21.6	214.2	55.2	1.2	92	7.1	3.3	61.5	22.6	229.5	53.4	0.0	91	22.2	199.5	55.7	2.9	86	20.1	213.7	56.5	0.7	99
TRISLER T-2745RR	102	P250	1	21.7	211.3	54.7	3.9	91	7.9	3.7	59.4	22.9	217.7	53.3	2.9	91	23.0	193.7	54.4	3.2	83	19.2	222.5	56.3	5.6	100
TRISLER T-2850RRCB	105	P250	1,2	21.0	219.2	55.0	2.6	90	8.2	4.5	58.1	21.6	232.1	53.8	0.4	90	21.8	192.9	55.6	2.5	81	19.6	232.5	55.7	4.9	99
WELLMAN W2602	102			21.6	220.3	54.8	0.2	88	7.3	3.5	61.7	21.9	223.4	53.6	0.0	84	22.5	213.5	54.8	0.6	81	20.3	223.9	56.1	0.0	99
AVERAGE				20.8	213.3	54.8	1.8	92	7.8	3.7	60.1	21.4	220.2	53.5	1.5	92	21.9	199.6	54.9	2.1	85	19.1	220.0	56.1	1.8	99
HIGHEST				22.6	232.4	57.9	3.9	98	8.9	4.5	62.0	24.3	252.7	56.3	4.1	100	24.3	233.5	58.4	4.8	98	20.7	235.6	58.9	6.3	100
LOWEST				18.4	165.1	51.7	0.2	77	6.7	2.9	58.1	18.6	143.5	50.9	0.0	73	18.0	148.2	51.3	0.2	66	17.7	188.4	53.0	0.0	88
CV (%)				3.1	5.6	1.2	106	5	4.9	7.3	1.4	3.2	5.3	1.0	103	5	3.5	6.1	1.5	97	7	2.1	5.1	1.2	112	3
LSD (5%)				0.4	8.0	0.5	1.3	3	1.1	0.8	2.4	1.0	16.5	1.4	4.3	7	1.1	17.1	1.1	2.8	8	1.1	15.7	0.9	2.8	4

2 Year Averages																													
EARLY TRIAL AVERAGE												BRANCH - EARLY						CASS - EARLY						LENAWEE - EARLY					
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd			
DAIRYLAND STEALTH-5007	107	P250	2	20.1	219.2	54.4	0.7	98	8.3	3.6	59.2	20.3	228.6	53.6	0.7	98	21.4	214.9	54.5	0.5	97	18.5	214.0	55.3	0.8	100			
DAIRYLAND STEALTH-5204	104	P250	2	18.9	224.3	57.3	0.7	97	7.6	3.9	60.0	18.3	228.7	56.5	0.7	99	20.6	227.5	56.7	0.8	96	17.9	216.7	58.6	0.5	97			
DAIRYLAND STEALTH-5503	105	P250	2	20.5	215.2	56.4	1.0	97	7.3	3.6	60.7	20.0	217.3	55.8	0.7	95	21.8	214.9	55.7	2.3	94	19.6	213.3	57.8	0.0	100			
GARST 8676IT	104	C250	6	19.6	223.8	55.9	1.1	96	7.2	3.3	61.1	18.9	223.0	55.4	1.7	92	21.4	222.0	55.4	1.2	94	18.5	226.4	56.8	0.4	99			
GOLDEN HARVEST H-8473	107	C250		20.3	204.8	55.8	1.3	94	7.6	3.9	59.6	19.8	198.3	55.3	1.6	92	22.4	208.2	54.7	1.2	91	18.6	207.9	57.3	1.2	98			
NK Brand N51-Z7	104	C250	2,4	18.9	192.7	54.3	1.8	91	6.3	3.9	61.1	18.3	189.8	54.4	1.4	91	20.5	184.6	54.3	1.6	81	18.0	203.8	54.2	2.6	100			
RENK RK772YGCB	104	C250	2	18.7	208.7	55.7	1.3	97	7.9	4.6	57.9	18.3	210.0	54.7	2.8	99	20.3	207.8	55.1	0.4	94	17.6	208.2	57.1	0.8	99			
RUPP XR8624	102	C250	2	19.9	214.2	56.3	1.3	98	7.3	3.4	60.6	19.4	218.0	55.5	1.0	96	21.2	209.7	56.0	2.2	97	19.2	214.8	57.4	0.5	100			
TRISLER T-2744CB	102	P250	2	20.5	213.2	56.4	0.8	94	7.0	3.3	61.4	19.9	220.9	55.7	0.3	92	21.8	208.3	56.0	1.8	92	19.8	210.4	57.4	0.4	99			
AVERAGE				19.7	212.9	55.8	1.1	96	7.4	3.7	60.2	19.2	215.0	55.2	1.2	96	21.3	210.9	55.4	1.3	93	18.6	212.8	56.9	0.8	99			
HIGHEST				20.5	224.3	57.3	1.8	98	8.3	4.6	61.4	20.3	228.7	56.5	2.8	99	22.4	227.5	56.7	2.3	97	19.8	226.4	58.6	2.6	100			
LOWEST				18.7	192.7	54.3	0.7	91	6.3	3.3	57.9	18.3	189.8	53.6	0.3	91	20.3	184.6	54.3	0.4	81	17.6	203.8	54.2	0.0	97			
CV (%)				3.2	5.2	1.3	102	4	4.7	7.0	1.3	2.9	4.8	0.9	113	5	3.5	5.9	1.4	91	6	2.7	4.7	1.4	102	2			
LSD (5%)				0.3	5.3	0.3	0.8	2	0.3	0.2	0.6	0.5	8.6	0.4	1.4	4	0.6	9.9	0.6	1.4	4	0.4	8.5	0.7	1.4	2			

3 Year Averages																													
EARLY TRIAL AVERAGE												BRANCH - EARLY						CASS - EARLY						LENAWEE - EARLY					
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd			
DAIRYLAND STEALTH-5503	105	P250	2	21.0	211.3	56.0	1.2	97	7.2	3.5	60.8	20.6	215.7	55.6	0.7	97	21.0	211.5	56.1	3.0	95	21.4	206.8	56.2	0.0	99			
RENK RK772YGCB	104	C250	2	18.8	204.6	55.6	1.3	98	7.7	4.5	58.4	18.5	199.9	54.7	2.4	100	19.1	210.1	55.5	0.7	95	18.9	203.8	56.4	0.7	100			
AVERAGE				19.9	208.0	55.8	1.2	97	7.4	4.0	59.6	19.6	207.8	55.2	1.5	98	20.0	210.8	55.8	1.9	95	20.1	205.3	56.3	0.3	99			
CV (%)				4.4	5.6	1.4	102	4	4.8	6.5	1.2	4.5	5.5	1.2	113	4	3.6	5.6	1.3	95	5	4.9	5.6	1.7	96	3			
LSD (5%)				0.4	4.6	0.3	0.7	2	0.3	0.2	0.5	0.6	8.0	0.4	1.1	3	0.5	7.7	0.5	1.2	3	0.6	8.2	0.6	1.1	2			

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

2 Year Averages																													
LATE TRIAL AVERAGE												BRANCH - LATE						CASS - LATE						LENAWEE - LATE					
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd			
BECK 5222	108	P250		21.0	217.6	55.5	2.5	93	8.0	4.2	58.4	20.4	220.0	55.0	2.4	90	22.8	212.4	54.4	2.9	88	19.7	220.3	56.9	2.1	99			
DAIRYLAND STEALTH-5611	111	P250	2	22.3	212.4	54.3	1.3	89	7.7	4.0	59.3	21.7	208.9	53.8	1.3	82	24.3	203.6	53.3	1.4	84	20.9	224.8	55.7	1.0	100			
DEKALB DKC61-45 (RR2YGCB)	111	P250	1,2	21.8	232.3	55.6	0.4	99	7.9	3.5	60.0	21.0	236.6	55.4	0.5	99	23.7	232.9	54.4	0.4	98	20.8	227.5	57.2	0.3	100			
DYNAGRO 57B47	111	P250	1,2,3	21.7	225.6	54.9	1.0	91	7.8	4.1	58.9	20.8	220.8	54.6	1.3	86	23.4	231.3	54.2	1.1	91	21.0	224.8	56.0	0.7	97			
GOLDEN HARVEST H-8920	111	C250		22.3	210.7	55.3	1.2	92	8.0	3.8	59.2	22.0	216.6	54.8	1.9	93	23.3	207.3	54.8	0.9	82	21.5	208.1	56.3	1.0	100			
NK Brand N65-C5	109	C250	2,4	21.3	227.1	55.0	0.4	96	7.4	3.9	59.7	20.9	238.0	54.1	0.4	96	23.2	227.4	54.0	0.6	95	19.9	215.8	56.7	0.4	96			
PARTNERS BRAND 578	108	P250		21.7	217.6	53.8	1.5	97	6.9	3.5	60.6	21.0	219.6	53.4	2.1	97	22.4	219.1	53.8	1.3	93	21.6	214.2	54.1	1.0	100			
AVERAGE				21.7	220.5	54.9	1.2	94	7.7	3.9	59.4	21.1	222.9	54.4	1.4	92	23.3	219.1	54.1	1.2	90	20.8	219.4	56.1	0.9	99			
HIGHEST				22.3	232.3	55.6	2.5	99	8.0	4.2	60.6	22.0	238.0	55.4	2.4	99	24.3	232.9	54.8	2.9	98	21.6	227.5	57.2	2.1	100			
LOWEST				21.0	210.7	53.8	0.4	89	6.9	3.5	58.4	20.4	208.9	53.4	0.4	82	22.4	203.6	53.3	0.4	82	19.7	208.1	54.1	0.3	96			
CV (%)				3.6	6.0	1.2	126	5	4.2	6.2	1.3	2.5	5.0	0.8	119	6	3.3	7.0	1.0	110	6	3.7	5.4	1.5	125	3			
LSD (5%)				0.4	6.3	0.3	0.7	2	0.3	0.2	0.6	0.5	9.4	0.4	1.2	4	0.7	12.3	0.5	1.3	5	0.7	9.8	0.7	1.0	2			

2 Year Averages		EARLY TRIAL AVERAGE				% QUALITY			INGHAM - EARLY			KENT - EARLY			SAGINAW - EARLY									
BRAND /HYBRID	RM TRT Trait	%H2O	BUJA	Twt	%SL %Sd	Pot	Oil	Strech	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
AGRIGOLD A6225B1RR	98 P250 1,2	19.6	203.0	58.5	0.2	88	8.0	4.0	59.2	18.4	193.8*	58.2	0.4	90	194.0	58.8	0.2	88	20.3	221.3*	58.5	0.0	87	
BAYSIDE 1700	100 P250	19.8	189.8	57.6	1.0	98	8.1	3.8	59.7	18.1	175.1	57.3	1.5	98	19.8	193.6	57.9	1.0	100	21.5	200.7	57.5	0.3	97
BAYSIDE 4095YGCGB	95	18.9	196.4	58.4	6.6	99	7.8	4.5	58.1	17.8	187.1*	57.5	18.4	99	19.3	198.9	59.2	1.2	100	19.6	203.3	58.6	0.2	100
BAYSIDE 5072RR	93 P250 1	18.3	185.6	58.8	2.4	99	7.7	4.1	60.1	16.3	167.6	56.8	3.2	99	19.6	186.1	56.6	2.2	97	18.9	203.2	57.0	1.9	100
BAYSIDE 5518RR	95 P250 1	18.6	189.3	57.5	1.1	94	8.2	3.7	59.7	16.7	169.5	57.1	1.2	94	19.3	192.7	57.8	0.5	93	19.9	205.7	57.6	1.5	94
BAYSIDE Super 93	93 P250	18.1	184.9	57.0	2.1	95	7.6	4.0	60.8	16.5	172.6	56.9	4.1	95	19.0	189.7	57.0	1.5	99	18.7	192.3	57.2	0.8	92
BROWN 5636	98 C250	20.5	203.7	56.3	1.4	94	7.6	3.7	60.3	19.2	189.6*	56.4	2.2	94	20.6	214.3	56.7	1.0	94	21.9	207.1	55.9	1.0	93
CORN BELT C435YGCGB	93 P250 2	18.0	192.9	57.8	0.8	96	7.5	4.8	58.4	16.5	186.6*	57.5	1.7	97	18.8	196.9	58.2	0.7	96	18.6	195.2	57.7	0.0	97
CROPLAN 421RR/BI	101 C250 1,2	19.1	213.8**	58.6	0.3	97	8.1	4.2	58.7	17.4	196.7**	58.6	0.4	97	19.5	224.5**	59.0	0.2	98	20.4	220.3*	58.3	0.2	95
DAIRYLAND STEALTH-1598	98 P250	18.4	188.1	57.1	1.6	98	7.6	3.9	60.4	16.8	175.8	56.9	2.2	98	19.1	195.3	56.6	0.3	98	19.3	196.1	57.8	2.2	97
DAIRYLAND STEALTH-5497	98 P250 2	17.9	193.6	57.8	0.6	94	7.4	4.5	58.6	16.7	184.9	57.6	1.0	95	18.6	200.3	58.0	0.7	91	18.6	195.6	57.7	0.2	96
GARST 8880YG1	95 C250 2	17.8	193.5	58.0	3.1	99	7.4	4.8	58.4	16.3	183.0	57.8	7.4	100	18.5	197.4	58.4	1.2	99	18.7	200.2	57.8	0.7	97
HYLAND SEEDS HLB2368	90 P250	17.8	184.6	57.5	3.0	99	7.4	4.6	59.0	17.0	180.5	57.3	3.6	100	18.5	186.2	57.5	3.4	100	18.1	185.1	57.8	1.9	97
HYLAND SEEDS HLB282	92 P250 2	17.5	194.1	58.0	2.1	99	7.5	4.7	58.2	15.8	182.3	57.4	1.1	99	18.3	200.3	58.5	3.5	100	18.5	199.8	58.2	1.7	98
HYLAND SEEDS HLR234	90 P250 1	17.6	188.4	57.9	2.6	99	7.4	4.5	58.9	16.3	179.7	57.7	3.5	100	18.4	203.1	58.1	2.8	100	18.1	182.5	57.8	1.6	98
HYLAND SEEDS JUXXIN	90 P250	18.4	184.9	57.1	2.9	98	7.7	3.7	59.9	17.8	180.1	56.9	5.6	97	19.4	182.1	56.4	1.2	99	18.1	192.5	58.0	2.0	98
HYLAND SEEDS LAXXOT Bt	98 P250 2	18.0	187.6	58.2	0.9	96	7.6	4.9	57.6	16.8	187.1*	58.2	1.8	98	19.2	186.8	58.0	0.9	95	17.9	188.9	58.3	0.0	96
LEGACY 46M94	100 P250 2	20.0	194.7	58.4	0.7	96	8.1	3.8	59.2	19.1	183.1	58.3	0.2	96	20.6	195.0	58.2	1.2	97	20.3	206.1	58.7	0.5	93
NK Brand N41-P1	99 C250 1,2,4	19.9	178.1	56.2	1.1	99	8.6	4.3	58.4	18.1	164.1	56.2	1.4	99	20.3	185.2	56.8	0.8	100	21.2	185.1	55.8	1.2	96
NK Brand N45-A6	90 C250 2,4	18.9	206.9	55.7	0.8	99	7.4	4.7	58.0	17.2	191.1*	55.9	1.6	100	19.5	216.1*	55.3	0.5	98	20.0	213.5	55.8	0.5	98
PARTNERS BRAND 479RRYGCGB	100 P250 1,2	21.1	201.0	56.3	0.6	97	7.9	3.6	60.0	19.0	182.3	56.5	0.9	98	20.8	208.8	57.1	0.4	99	23.4	212.0	55.3	0.7	95
TRELAY 5B353	100 P250 2	20.1	204.4	57.4	0.6	99	8.2	4.1	58.6	17.8	171.9	57.1	0.9	98	20.3	217.9*	58.8	0.3	100	22.2	223.3**	56.4	0.5	99
TRELAY 7560YGCGB	100 P250 2	20.1	203.7	55.7	1.2	98	7.3	4.4	58.8	18.6	195.2*	55.9	1.8	97	20.3	211.1	56.1	1.4	96	21.3	204.8	55.1	0.3	99
AVERAGE		18.9	194.1	57.4	1.6	97	7.7	4.2	59.1	17.4	181.7	57.2	2.9	97	19.5	199.0	57.6	1.2	97	19.8	201.5	57.3	0.9	96
HIGHEST		21.1	213.8	58.6	6.6	99	8.6	4.9	60.8	19.2	196.7	58.6	18.4	100	20.8	224.5	59.2	3.5	100	23.4	223.3	58.7	2.2	100
LOWEST		17.5	178.1	55.7	0.2	88	7.3	3.6	57.6	15.8	164.1	55.9	0.2	90	18.3	182.1	55.3	0.2	88	17.9	182.5	55.1	0.0	87
CV (%)		4.2	6.5	1.5	240	4	4.7	5.5	1.3	4.7	6.9	1.1	222	3	3.8	5.5	1.9	131	3	3.1	6.2	1.1	137	4
LSD (5%)		0.4	5.9	0.4	2.1	2	0.3	0.2	0.6	0.7	10.7	0.5	6.1	2	0.7	9.1	0.9	1.5	3	0.5	9.6	0.5	0.9	3

3 Year Averages		EARLY TRIAL AVERAGE				% QUALITY			INGHAM - EARLY			KENT - EARLY			SAGINAW - EARLY									
BRAND /HYBRID	RM TRT Trait	%H2O	BUJA	Twt	%SL %Sd	Prot	Oil	Strech	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
BAYSIDE 1700	100 P250	20.4	200.7	57.0	0.7	99	8.0	3.8	59.9	19.0	195.6	57.2	1.0	99	19.5	201.8	57.6	0.7	100	22.7	204.6	56.2	0.4	98
BAYSIDE 5072RR	93	18.8	194.5	56.6	1.7	99	7.4	4.0	60.6	17.2	185.9	57.1	2.3	99	18.8	191.0	56.6	1.5	98	20.4	206.6	56.0	1.4	100
BAYSIDE 5518RR	95 P250 1	19.4	200.0	56.7	0.8	96	8.1	3.6	59.9	17.7	183.4	56.8	0.9	96	19.1	204.5	57.2	0.6	95	21.5	212.3	56.2	1.0	96
BAYSIDE Super 93	93 P250	18.7	193.5	56.5	1.6	97	7.3	3.9	61.1	17.5	186.3	56.7	2.7	96	18.6	195.5	56.8	1.3	99	20.2	198.8	56.0	0.8	95
BROWN 5636	98 C250	21.2	213.6	55.7	1.1	96	7.4	3.5	60.6	20.1	209.3**	55.8	1.7	96	20.2	219.5	56.5	0.9	96	23.2	212.1	54.9	0.7	96
CORN BELT C435YGCGB	93 P250 2	18.3	201.6	57.4	0.8	98	7.4	4.6	58.8	17.2	198.8	57.4	1.3	98	17.9	198.4	58.1	1.3	97	19.9	207.6	56.8	0.0	98
DAIRYLAND STEALTH-1598	98 P250	19.2	202.4	56.6	1.2	98	7.8	3.9	60.2	17.9	196.0	57.0	1.5	99	18.7	205.3	56.6	0.5	99	20.8	206.0	56.4	1.6	98
DAIRYLAND STEALTH-5497	98 P250 2	18.4	201.4	57.5	0.6	96	7.1	4.5	59.0	17.5	196.7	57.7	0.8	97	17.7	201.7	58.1	0.6	94	19.9	205.8	56.7	0.2	97
HYLAND SEEDS HLB2368	90 P250	18.2	193.7	57.2	2.1	99	7.2	4.5	59.1	17.5	193.0	57.4	2.7	100	17.9	189.7	57.5	2.3	100	19.1	198.6	56.8	1.4	98
HYLAND SEEDS HLB282	92 P250 2	18.3	202.7	57.4	1.6	99	7.4	4.7	58.5	16.9	195.6	57.3	0.7	98	18.1	202.8	58.0	3.1	99	19.9	209.8	56.9	1.1	98
NK Brand N45-A6	100 C250 2,4	19.3	215.0	55.3	0.7	99	7.2	4.6	58.2	17.9	206.3*	55.7	1.2	100	18.6	215.6	55.5	0.6	99	21.3	223.1	54.8	0.5	99
TRELAY 5B353	100 P250 2	20.8	221.9**	56.7	0.6	99	7.9	4.0	59.2	19.1	205.4*	56.7	0.6	98	20.0	228.0**	58.0	0.6	99	23.4	232.1**	55.3	0.6	99
TRELAY 7560YGCGB	100 P250 2	20.4	211.1	55.6	1.0	99	7.3	4.4	58.9	19.2	208.8*	56.2	1.3	98	19.4	207.6	56.1	1.4	99	22.5	216.8	54.5	0.2	99
AVERAGE		19.3	204.0	56.6	1.1	98	7.5	4.2	59.5	18.0	197.0	56.8	1.4	98	18.8	204.7	57.1	1.2	98	21.1	210.3	56.0	0.8	98
HIGHEST		21.2	221.9	57.5	2.1	99	8.1	4.7	61.1	20.1	209.3	57.7	2.7	100	20.2	228.0	58.1	3.1	100	23.4	232.1	56.9	1.6	100
LOWEST		18.2	193.5	55.3	0.6	96	7.1	3.5	58.2	16.9	183.4	55.7	0.6	96	17.7	189.7	55.5	0.5	94	19.1	198.6	54.5	0.0	95
CV (%)		4.0	6.1	1.4	223	3	4.9	5.6	1.3	4.4	6.2	1.2	207	3	3.8	5.4	1.7	146	3	3.0	6.1	1.2	139	4
LSD (5%)		0.3	4.7	0.3	1.4	1	0.3	0.2	0.5	0.6	8.0	0.5	4.1	2	0.5	7.4	0.7	1.3	2	0.4	7.9	0.5	0.7	2

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

TABLE 2E.

BRAND / HYBRID	RM	TRT	Trait	EARLY TRIAL AVERAGE				% QUALITY				INGHAM - EARLY				KENT - EARLY				SAGINAW - EARLY						
				%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				
AGRIGOLD A6225BRR	98	P250	1,2	21.8	203.6	56.8	0.0	83	8.1	4.1	59.0	20.5	207.1	56.9	0.0	84	23.1	205.1	55.9	0.0	85	21.8	198.5	57.7	0.0	81
AGRIGOLD A6285BRWRR	100	P250	1,2,3	21.2	193.3	56.0	2.7	99	7.7	4.3	59.3	19.9	193.0	56.3	1.1	100	22.5	186.7	55.0	7.1	98	21.3	200.0	56.8	0.0	100
BAYSIDE 1700	100	P250		21.7	188.0	55.8	1.1	97	8.1	3.8	60.0	20.1	183.1	55.7	1.6	98	22.8	201.7	55.1	1.8	100	22.1	179.3	56.7	0.1	93
BAYSIDE 4095YGB	95	P250	2	21.0	188.5	56.5	12.2	100	7.7	4.2	58.4	20.6	198.3	55.4	35.9	100	21.8	198.9	56.3	0.7	100	20.6	188.4	57.8	0.0	99
BAYSIDE 5072RR	93	P250	1	21.0	179.4	55.6	1.4	98	7.7	4.0	60.0	18.5	170.2	56.1	1.9	99	23.7	182.2	54.2	1.7	96	20.8	185.8	57.4	0.7	100
BAYSIDE 5095RR	95	P250	1	22.5	168.9	54.6	2.0	92	8.3	3.6	59.1	21.6	165.4	54.6	4.3	89	24.0	192.8	53.3	1.4	99	22.0	148.3	55.9	0.4	90
BAYSIDE 5518RR	95	P250	1	21.2	190.2	56.1	0.9	92	7.9	3.7	59.7	19.6	186.9	56.1	1.7	94	22.9	198.3	55.4	0.4	91	21.2	185.3	56.8	0.7	92
BAYSIDE 6094YGBR	94	P250	1,2	20.6	203.6	54.8	0.5	98	7.8	4.5	58.6	19.2	212.3	55.3	0.0	99	23.2	215.3	52.8	1.4	100	19.3	183.2	56.5	0.0	96
BAYSIDE 6096	96	P250		21.8	191.8	55.4	1.7	95	7.5	3.5	61.0	20.4	202.6	55.5	2.3	96	22.4	204.0	54.7	0.7	98	22.6	168.8	56.1	2.0	91
BAYSIDE Super-93	93	P250		20.4	177.4	55.6	1.7	91	7.4	4.0	61.5	19.1	184.6	56.0	2.9	91	22.1	186.1	54.1	2.1	98	20.2	161.6	56.7	0.0	85
BROWN 5232RRYGPIus	98	C250	1,2,3	20.7	203.6	57.1	0.3	98	7.8	4.2	59.6	20.0	205.1	57.3	0.7	98	22.0	231.1	55.8	0.3	97	20.1	174.7	58.1	0.0	100
BROWN 5636	98	C250		22.5	197.9	54.8	1.4	90	7.5	3.7	60.6	21.5	205.1	55.2	1.4	90	23.4	217.9	54.1	1.9	91	22.6	170.6	55.2	0.8	89
BROWN 5636RRYGCB	100	C250	1,2	23.4	189.1	54.6	0.9	94	7.5	3.8	60.3	22.9	197.1	54.5	1.5	97	24.5	204.2	54.6	1.1	95	22.9	165.9	54.9	0.0	90
CORN BELT C435YGB	93	P250	2	20.2	188.7	56.7	0.9	95	6.7	4.6	59.7	18.8	203.9	56.9	2.4	94	21.5	204.3	56.3	0.4	96	20.3	188.1	56.9	0.0	94
CROPLAN 421RR/Bt	101	C250	1,2	21.2	206.4	57.1	0.2	94	8.0	4.3	58.7	19.9	207.1	57.4	0.3	95	21.9	230.0	56.6	0.0	98	21.7	182.1	57.2	0.3	91
CROPLAN 491TS	102	C250	1,2,3	21.3	200.1	56.8	0.0	98	8.0	4.1	58.5	20.6	208.5	56.7	0.0	96	23.4	230.0	54.8	0.0	100	19.9	161.6	58.8	0.0	98
CROWS 1707B	96	C250	2	18.9	189.1	57.5	0.5	100	7.4	4.7	59.4	17.7	192.0	57.5	0.2	100	20.1	216.8	56.9	1.4	100	18.9	158.4	58.0	0.0	99
DAIRYLAND STEALTH-1598	98	P250		21.0	185.5	55.4	1.8	96	7.3	3.9	60.7	19.6	191.0	56.0	2.4	96	22.3	195.2	53.7	0.3	99	21.1	170.3	56.5	2.5	95
DAIRYLAND STEALTH-5497	98	P250	2	20.0	191.2	56.6	0.3	92	6.9	4.4	59.6	19.0	197.2	56.6	0.3	90	20.9	215.4	56.2	0.4	94	20.1	161.1	57.0	0.4	93
DEKALB DKC46-22 (RR2)YGFL	96	P250	1,2,3	19.9	184.9	56.5	2.4	96	7.9	4.2	59.5	18.0	189.4	57.7	4.0	95	22.2	203.0	54.3	2.4	100	19.5	162.2	57.6	0.7	93
DEKALB DKC48-53 (RR2)YGB	98	P250	1,2	20.3	193.6	56.3	0.0	99	6.8	4.2	60.6	18.8	206.3	56.6	24.8	100	22.0	198.0	54.5	1.4	100	20.0	176.6	57.7	0.7	99
DYNAGRO 53K69	96	P250	1	19.5	186.9	56.0	2.6	97	7.4	4.3	58.9	18.0	191.0	56.6	2.0	98	21.4	209.0	54.5	3.5	99	19.3	160.8	57.0	2.2	94
DYNAGRO CX05200	100	P250		21.9	199.0	55.4	2.1	92	7.0	3.7	62.0	20.2	210.7	55.0	2.3	91	23.5	210.8	54.7	3.2	94	22.1	184.6	56.4	0.8	92
DYNAGRO CX06000	97	P250	1,2,3	20.8	198.4	57.5	2.3	97	7.8	4.3	59.3	19.6	210.2	57.8	2.8	96	22.1	228.6	56.5	2.8	100	20.6	156.5	58.3	1.4	95
GARST 8880YG1	95	C250	2	19.9	187.4	57.0	0.7	98	7.2	4.8	58.4	18.4	190.1	56.8	0.9	100	21.2	197.3	56.8	0.7	100	20.0	174.8	57.5	0.4	96
GREAT LAKES 4689BRR	96	P250	1,2	21.2	203.9	56.7	0.6	90	8.3	4.4	58.6	19.7	214.1	57.0	1.0	91	22.4	219.4	56.0	0.4	95	21.5	178.1	57.1	0.4	85
HYLAND SEEDS HL2368	90	P250		20.0	176.6	56.2	1.5	100	7.4	4.5	58.8	19.0	179.0	56.5	2.7	100	21.4	191.4	54.9	1.1	100	19.7	159.5	57.3	0.7	100
HYLAND SEEDS HL2492	98	P250		21.2	191.4	56.2	2.8	100	7.9	3.7	60.1	19.7	202.9	56.2	3.1	100	21.6	211.2	55.7	3.8	100	22.3	160.1	56.5	1.4	99
HYLAND SEEDS HL2515	100	P250		21.4	184.9	55.6	4.6	88	7.6	4.6	58.6	19.6	192.4	55.9	6.6	89	22.7	215.4	54.6	3.2	89	21.8	146.9	56.5	4.1	85
HYLAND SEEDS HLB282	92	P250	2	19.8	197.6	57.4	1.2	99	7.2	4.8	58.5	18.5	204.5	57.0	0.7	98	21.0	211.0	57.2	1.8	100	20.0	177.3	58.1	1.1	99
HYLAND SEEDS HLB43R	97	P250	1,2	21.1	178.1	56.0	1.3	90	7.8	3.4	60.8	19.5	179.1	56.5	1.6	87	23.1	200.0	54.9	1.4	93	20.7	155.2	56.7	0.7	91
HYLAND SEEDS HLR234	90	P250	1	19.8	190.0	56.4	2.2	100	7.3	4.7	59.2	18.5	196.9	56.7	2.3	100	21.1	214.8	55.6	2.8	100	19.8	158.2	56.9	1.4	100
HYLAND SEEDS JUXXIN	90	P250		20.4	178.6	55.4	3.2	98	7.5	3.7	60.0	19.7	181.5	55.4	7.0	97	22.2	185.5	53.1	0.7	100	19.4	168.8	57.6	1.9	99
HYLAND SEEDS LAXXOT B1	98	P250	2	19.5	179.7	56.4	0.6	95	7.3	4.8	58.0	18.6	202.0	57.0	1.0	97	21.7	184.0	54.6	0.7	93	18.3	153.1	57.6	0.0	94
INTEGRA SEED INT698RB	98	P250	1,2	20.6	201.3	55.1	0.4	94	7.7	4.1	59.2	19.1	210.8	55.6	0.7	94	23.1	199.1	52.9	0.4	96	19.4	194.0	56.9	0.0	93
JUNG 7422RRYGB	98	P250	1,2	21.0	196.9	57.2	1.2	100	7.8	4.4	59.0	20.3	211.1	57.0	1.2	100	22.1	221.7	56.5	1.7	99	20.6	157.7	57.9	0.7	100
LASER L-7H07B1	95	C250	2	20.1	194.1	56.7	0.4	100	7.2	4.6	58.9	18.4	202.7	57.2	0.6	100	21.8	207.2	56.4	0.0	100	20.1	172.5	57.5	0.6	99
LASER L-7H67BRR	99	C250	1,2	21.2	196.2	54.6	0.7	100	7.5	4.3	59.1	19.4	197.9	54.9	0.5	100	23.0	217.4	53.6	1.4	100	21.1	173.4	55.4	0.0	99
LEGACY 46H67	96	P250		21.5	188.5	55.3	2.6	94	7.0	3.7	60.8	20.3	195.5	55.6	3.2	97	22.1	199.5	54.1	3.2	97	22.1	170.3	56.3	1.5	87
LEGACY 46M94	100	P250	2	21.5	183.7	57.2	1.2	93	7.9	3.7	59.4	20.6	180.3	57.3	0.3	95	23.0	202.9	55.9	2.5	97	20.8	167.9	58.4	0.7	87
MYCOGEN 2R426	96	C250	2	20.1	194.6	57.3	1.4	99	7.1	4.6	58.6	18.9	192.1	57.2	1.7	99	21.8	211.6	56.5	2.4	100	19.7	180.1	58.1	0.0	100
NK Brand N39-K7	98	C250	1	21.0	161.7	53.7	11.9	96	7.9	4.1	59.7	19.9	169.3	53.2	26.1	99	21.9	182.3	53.8	6.9	100	21.3	143.7	54.0	2.7	90
NK Brand N41-P1	99	C250	1,2,4	22.1	172.0	54.2	0.8	97	7.9	4.2	59.5	20.2	174.1	55.0	1.0	99	23.3	192.2	53.6	0.7	100	22.8	149.8	54.1	0.7	93
NK Brand N45-A6	100	C250	2,4	21.2	198.8	53.7	0.6	99	7.0	4.7	58.4	19.8	195.5	54.6	1.5	100	22.6	218.6	51.6	0.0	100	21.2	182.2	55.0	0.4	97
PARTNERS BRAND 479RRYGB	100	P250	1,2	23.2	196.8	54.8	0.5	96	7.9	3.7																

BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
RUPP XR8758	98	C250	1,2	20.9	185.6	56.4	0.7	97	7.5	3.7	59.9	19.2	182.9	56.7	0.5	99	22.3	215.7	56.4	1.4	100	21.4	158.1	56.1	0.0	92
RUPP XR8765	89	C250	1,2	19.8	158.3	58.6	2.3	78	8.1	3.6	60.4	18.6	152.3	58.7	3.1	74	21.4	168.6	57.7	1.7	83	19.5	154.0	59.5	2.1	78
RUPP XR8772	92	P250	1,2	20.4	177.7	56.7	8.9	95	7.7	4.1	59.1	18.2	180.8	57.3	25.3	94	23.4	186.0	54.0	0.7	99	19.7	166.4	58.9	0.7	92
TRELAY 4B268	96	P250	2	18.9	186.4	57.7	1.4	100	7.2	4.5	59.6	17.6	187.0	57.6	2.0	101	20.1	202.8	57.2	1.0	100	18.9	169.5	58.2	1.1	99
TRELAY 4N627	98	P250	1,2	21.2	209.5	56.4	0.6	97	7.9	4.4	58.6	19.5	216.9	56.6	1.0	99	22.6	226.1	56.2	0.3	97	21.6	185.5	56.6	0.3	96
TRELAY 5B353	100	P250	2	21.8	195.1	56.3	0.3	98	8.3	4.0	58.6	20.4	179.8	56.6	0.6	96	22.9	218.9	55.5	0.0	100	22.0	186.7	56.8	0.4	99
TRELAY 5K106	100	P250	1,2,3	21.2	193.8	56.5	0.4	94	7.7	4.1	59.6	20.4	200.1	57.3	0.4	97	22.5	214.5	53.7	0.7	99	20.6	166.7	58.3	0.0	87
TRELAY 5N503	100	P250	1,2	20.7	207.1	56.5	0.8	100	7.1	4.6	59.5	19.4	211.6	56.5	1.0	100	21.7	225.3	55.6	1.4	100	21.0	184.3	57.4	0.0	100
TRELAY 7560Y GCB	100	P250	2	22.1	188.3	54.0	1.2	96	6.7	4.2	59.6	20.9	191.5	54.6	0.7	94	22.5	214.8	53.7	2.6	97	22.8	158.5	53.7	0.3	98
AVERAGE				20.9	189.9	56.0	1.9	96	7.6	4.2	59.5	19.6	193.8	56.3	3.6	96	22.4	206.7	55.0	1.5	98	20.8	169.3	56.9	0.7	94
HIGHEST				23.4	209.5	58.6	12.2	100	8.3	4.8	62.0	22.9	216.9	58.7	35.9	101	25.2	233.8	57.7	7.1	100	23.6	200.0	59.5	4.1	100
LOWEST				18.9	158.3	53.7	0.0	78	6.7	3.4	58.0	17.6	152.3	53.2	0.0	74	20.1	168.6	51.6	0.0	83	18.3	143.7	53.7	0.0	78
CV (%)				4.2	7.6	1.7	306	4	3.8	5.1	1.2	4.6	7.4	1.3	278	4	4.2	6.2	2.2	123	4	2.5	8.7	1.3	151	5
LSD (5%)				0.6	9.7	0.6	3.9	3	0.8	0.6	2.0	1.3	20.0	1.0	138	5	1.3	18.0	3.3	2.5	10	0.7	20.6	1.0	1.5	6

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- 2 Year & 3 Year Averages Continue on page 11.

TABLE 2L - Continued from page 15.

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

BRAND / HYBRID	RM	TRT	Trait	LATE TRIAL AVERAGE				% QUALITY				INGHAM - LATE				KENT - LATE				SAGINAW - LATE						
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE Super 105	105			23.3	216.4	53.4	1.7	95	7.5	4.1	59.7	21.6	203.9	53.5	1.8	95	22.9	223.9	54.2	1.4	94	25.3	221.5	52.4	1.9	96
NK Brand N51-Z7	104	C250	2,4	22.5	211.5	54.0	1.0	99	6.4	3.9	61.1	21.1	208.8	54.2	0.3	100	22.2	205.1	54.3	2.0	99	24.3	220.6	53.5	0.7	99
RENK RK772Y GCB	104	C250	2	20.8	210.5	55.2	1.4	100	7.6	4.7	58.2	19.4	208.2	55.8	0.9	100	19.9	208.0	55.3	2.6	100	23.0	215.4	54.5	0.6	99
AVERAGE				22.2	212.8	54.2	1.3	98	7.2	4.2	59.7	20.7	206.9	54.5	1.0	98	21.7	212.3	54.6	2.0	98	24.2	219.1	53.5	1.0	98
HIGHEST				23.3	216.4	55.2	1.7	100	7.6	4.7	61.1	21.6	208.8	55.8	1.8	100	22.9	223.9	55.3	2.6	100	25.3	221.5	54.5	1.9	99
LOWEST				20.8	210.5	53.4	1.0	95	6.4	3.9	58.2	19.4	203.9	53.5	0.3	95	19.9	205.1	54.2	1.4	94	23.0	215.4	52.4	0.6	96
CV (%)				4.5	6.1	1.6	151	4	5.2	5.9	1.3	4.8	6.2	2.0	121	4	4.6	5.7	1.6	201	4	3.1	5.4	1.0	118	3
LSD (5%)				0.4	5.1	0.3	0.6	1	0.3	0.2	0.5	0.7	8.8	0.7	1.0	2	0.7	8.8	0.6	1.3	3	0.5	7.4	0.4	0.7	2

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 2L.

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

ZONE 2

2006		LATE TRIAL AVERAGE				% QUALITY				INGHAM - LATE				KENT - LATE				SAGINAW - LATE								
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strech	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
AGRIGOLD A6310Bt	103	P250	2	24.5	191.9	52.5	0.3	85	7.9	3.9	59.1	24.0	191.3	52.4	0.0	88	25.8	200.6	51.2	0.0	85	23.6	183.7	53.9	0.8	81
AGRIGOLD XA5600CL	103	P250	5	23.4	224.0	54.3	1.8	95	7.8	4.3	58.3	23.0	217.3	53.5	2.8	94	24.3	238.8	53.8	1.1	97	22.8	215.9	55.5	1.5	95
BAYSIDE 2103	103	P250	1,2	22.9	202.4	54.8	1.4	92	7.3	3.9	60.6	22.5	200.4	54.2	0.0	97	23.3	217.7	54.9	2.2	97	22.9	188.9	55.4	0.0	83
BAYSIDE 2103GCBRR	103	P250	1,2	23.8	217.0	54.5	0.2	98	7.6	3.7	60.1	23.2	212.4	53.8	0.3	96	24.4	246.8	54.8	0.0	100	23.6	191.7	54.9	0.4	97
BAYSIDE 4105	105			22.9	215.2	52.7	1.4	99	8.1	4.0	59.3	23.2	221.2	51.6	1.7	98	23.6	231.7	52.3	2.1	100	22.0	192.5	54.2	0.3	100
BAYSIDE Super 105	105			24.5	214.7	53.1	1.3	92	7.8	4.4	59.2	23.3	204.8	53.1	1.1	91	25.8	233.0	53.5	0.8	90	24.5	206.1	52.7	1.8	94
CROPLAN 4421RR	100	C250	1	21.5	212.8	56.2	2.0	98	8.2	4.5	58.5	20.1	205.2	55.3	2.7	98	23.3	236.1	56.4	2.2	97	21.2	197.1	56.8	1.1	100
CROPLAN 5002RR	107	C250	1	22.9	215.2	55.5	0.3	94	7.4	3.8	60.1	22.0	197.7	55.3	0.4	93	23.7	248.7	54.5	0.0	99	22.8	199.1	56.7	0.4	89
CROPLAN 57681CL	107	C250	2,5	25.3	233.4	52.7	0.3	99	7.6	4.3	58.6	24.9	229.2	52.0	0.7	98	25.7	246.9	53.6	0.0	100	25.3	224.2	52.5	0.3	99
CROWS 2121S	101	C250	1,2	22.6	221.3	56.0	0.1	95	7.6	4.1	59.0	22.0	224.1	55.3	0.4	96	23.6	246.2	55.2	0.0	98	22.3	193.5	57.4	0.0	91
CROWS 4222S	106	C250	1,2	25.0	228.2	52.8	0.9	100	7.5	3.4	59.4	25.2	217.6	51.6	1.1	99	25.7	262.0	53.9	0.7	100	24.2	205.0	52.8	1.1	100
DAIRYLAND STEALTH-1806	106	P250		25.1	209.8	51.6	1.4	95	7.3	3.9	59.5	23.4	192.7	52.0	1.4	97	26.9	247.7	51.8	1.1	97	25.0	189.1	50.9	1.9	92
DAIRYLAND STEALTH-5201	101	P250	2	21.2	215.1	56.4	0.2	98	7.3	4.4	60.1	20.5	216.3	56.1	0.0	98	22.4	239.3	55.4	0.0	100	20.8	189.7	57.3	0.7	95
DAIRYLAND STEALTH-5204	104	P250	2	23.5	224.0	55.2	0.2	100	7.1	4.0	59.3	23.1	214.4	54.8	0.3	100	24.7	245.5	54.7	0.0	100	22.6	212.3	56.4	0.3	100
DAIRYLAND STEALTH-5503	105	P250	2	24.4	214.6	54.0	0.2	98	7.7	3.6	60.8	24.3	206.1	53.4	0.0	99	25.1	233.0	53.8	0.3	100	23.7	204.7	54.9	0.4	95
DAIRYLAND STEALTH-6006	106	P250	1	24.8	218.6	52.8	2.8	100	8.2	4.3	58.6	23.8	215.6	52.5	2.7	99	27.0	245.8	51.8	2.5	100	23.8	194.4	54.1	3.2	100
DEKALB DKC51-39 (RR2Y/GPL)	101	P250	1,2,3	21.5	209.8	56.2	0.8	99	7.2	4.4	59.3	20.5	213.7	56.1	0.7	99	23.3	231.2	54.5	0.4	100	20.7	187.0	57.8	1.4	99
DEKALB DKC52-40 (RR2Y/GPL)	102	P250	1,2,3	21.8	227.4	55.4	0.3	97	8.3	4.0	58.7	21.1	234.7	55.2	0.7	98	23.3	238.8	54.0	0.3	95	20.8	208.6	56.9	0.0	98
DEKALB DKC52-63 (RR2Y/GCB)	102	P250	1,2	23.3	221.9	54.2	0.3	94	7.7	3.7	59.3	21.5	226.1	54.7	0.4	97	25.6	241.3	52.6	0.0	95	22.9	198.3	55.3	0.4	91
DEKALB DKC54-46 (RR2Y/GPL)	104	P250	1,2,3	21.9	217.5	55.8	0.7	96	7.6	3.9	58.7	21.4	218.8	55.2	1.0	96	23.3	245.3	55.0	1.1	96	21.1	188.5	57.3	0.0	96
DEKALB DKC55-12 (Y/CGB)	105	P250	2	23.3	221.9	54.2	0.2	96	7.7	4.5	59.5	22.7	222.7	53.8	0.4	93	24.9	240.3	53.6	0.0	97	22.2	202.7	55.2	0.4	98
DEKALB DKC57-79 (RR2Y/GPL)	107	P250	1,2,3	24.5	220.7	54.7	0.4	98	7.4	4.1	59.3	24.2	224.5	54.7	0.4	99	25.7	244.3	53.9	0.3	98	23.7	193.4	55.5	0.4	97
DYNAGRO 55B02	101	P250	1,2,3	21.7	201.5	55.6	0.6	98	7.4	4.0	59.9	20.7	199.1	55.9	0.7	97	23.2	213.2	54.1	0.7	99	21.2	192.2	56.8	0.3	98
DYNAGRO 55B65	105	P250	1,2,3	23.1	213.4	56.2	0.5	94	7.7	4.2	59.6	22.7	212.1	56.1	1.0	94	23.7	236.2	55.6	0.0	97	22.8	192.0	56.9	0.4	91
DYNAGRO 55P86	105	P250	1,2	24.1	211.1	54.1	0.1	90	7.9	3.5	60.2	24.0	215.6	53.4	0.4	93	24.8	230.8	54.1	0.0	91	23.4	186.8	54.6	0.0	87
GARST 86761T	104	C250	6	23.7	220.8	53.4	2.1	98	7.4	3.6	59.6	22.8	226.2	53.3	2.0	99	24.2	241.4	54.0	0.7	96	23.9	194.7	52.9	3.5	99
GARST 8688GT	104	C250	1	23.1	212.5	54.5	2.8	94	7.4	4.1	59.7	22.9	210.5	53.7	2.5	93	24.0	235.3	54.4	4.2	99	22.5	191.6	55.4	1.7	89
GARST 86891T	104	C250	6	23.1	218.4	54.1	2.4	96	7.6	3.7	59.8	22.5	228.8	53.7	1.8	96	23.7	234.7	54.0	2.9	98	23.0	191.6	54.5	2.6	93
GARST 8693CBILL	105	C250	2,4	25.0	225.8	52.8	0.4	95	7.1	3.9	60.5	24.5	218.5	52.1	0.4	98	25.6	249.0	54.0	0.0	95	24.8	209.9	52.3	0.7	92
GOLDEN HARVEST H-7935HX	103	C250	2,4	23.4	213.9	52.2	1.4	99	8.3	3.9	59.3	23.0	213.0	51.4	0.7	100	24.0	241.0	52.5	0.3	100	23.2	187.7	52.8	3.2	98
GOLDEN HARVEST H-8920	111	C250		26.3	220.0	53.1	2.4	99	7.1	3.7	59.0	25.7	209.3	53.1	3.0	98	27.4	228.5	53.8	2.1	100	25.7	222.3	52.4	2.2	99
GREAT LAKES 5195B1	101	P250	2	22.9	215.3	55.5	0.3	98	7.4	3.9	60.2	22.1	210.2	55.3	0.3	99	24.7	236.7	54.6	0.3	100	22.0	198.8	56.5	0.4	96
GREAT LAKES 5377 G3	103	P250	1,2,3	24.5	198.2	54.9	0.4	90	7.0	3.4	61.6	24.7	202.7	54.1	0.4	94	24.9	214.6	55.2	0.8	90	23.8	177.3	55.5	0.0	85
GREAT LAKES 5416RR	104	P250	1	24.7	228.8	52.9	2.0	100	8.1	4.0	58.8	24.2	226.5	52.2	2.6	100	26.4	260.9	52.6	2.5	100	23.6	199.1	54.0	1.1	99
GREAT LAKES 5711BRR	107	P250	1,2	25.7	216.8	51.0	0.6	99	8.1	4.2	57.4	24.6	218.1	51.3	0.3	99	26.7	236.0	51.4	0.4	99	25.8	196.3	50.3	1.0	100
HYLAND SEEDS HL2676	104	P250		24.8	207.3	52.4	1.3	86	8.0	4.2	59.4	24.6	223.4	52.0	1.7	98	25.1	215.2	52.6	0.4	83	24.8	183.1	52.5	1.8	78
HYLAND SEEDS HL2677	104	P250		25.3	226.8	52.8	2.0	93	7.6	3.9	59.7	24.8	226.6	52.6	2.2	91	26.1	257.3	53.2	1.9	95	25.0	196.6	52.7	1.8	94
HYLAND SEEDS HL2695	101	P250	2	23.0	218.4	55.5	1.0	98	7.2	3.8	59.7	21.8	218.1	55.1	2.4	98	24.6	234.4	54.9	0.3	100	22.6	202.8	56.5	0.4	96
HYLAND SEEDS HL2695	103	P250	4	25.3	208.0	51.5	0.6	83	8.2	4.2	58.9	24.7	203.5	50.7	1.5	85	26.0	232.1	51.8	0.4	86	25.1	188.4	52.0	0.0	79
HYLAND SEEDS HL2695	104	P250	2	26.1	229.2	52.0	1.0	96	7.9	3.9	58.7	26.3	235.3	51.8	1.0	96	26.8	254.4	52.5	1.1	97	25.3	197.8	51.7	1.1	95
HYLAND SEEDS HL2695	104	P250	2	25.1	206.7	53.2	0.4	89	7.3	4.0	59.4	24.4	203.4	53.3	0.3	93	26.5	228.5	52.7	0.0	88	24.5	188.2	53.6	0.8	86
HYLAND SEEDS HL2695	101	P250	1,2	24.0	207.4	54.1	0.1	97	7.2	3.6	60.5	23.6	204.8	54.0	0.0	97	24.9	220.0	53.5	0.0	99	23.5	197.3	54.8	0.4	96
INTEGRA SEED INT6602RB	102	P250	1,2	21.6	197.1	54.7	0.8	100	7.3	4.3	59.2	20.7	196.5	54.6	1.6	100	23.1	225.1	53.8	0.7	100	21.1	169.6	55.8	0.0	99
INTEGRA SEED INT9541RB	104	P250	1,2	23.8	212.9	54.7	0.4	94	7.1	3.7	60.8	23.8	208.8	54.2	0.7	97	24.2	241.7	55.3	0.0	98	23.4	188.2	54.8	0.4	88
JUNG 5572Y/CGB	103	P250</																								

BRAND / HYBRID	RM	LATE TRIAL AVERAGE				% QUALITY				INGHAM - LATE				KENT - LATE				SAGINAW - LATE						
		%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
NK Brand N51-Z7	104 C250	24.1	206.3	53.0	1.0	100	6.1	3.7	61.2	23.2	202.3	52.8	0.7	100	25.8	226.0	52.2	1.4	100	23.1	190.5	54.0	1.1	100
NK Brand N53-W3	105 C250	23.1	220.6	54.3	2.4	99	7.4	4.0	60.0	23.0	213.2	53.4	3.0	98	23.6	239.3	54.0	3.5	100	22.7	209.4	55.4	0.7	100
NK Brand N58-L8	106 C250	23.9	215.7	54.4	2.3	99	7.1	4.0	60.2	23.6	220.4*	53.6	2.0	99	24.4	231.2	54.9	1.8	100	23.8	195.5	54.8	3.1	99
PARTNERS BRAND 505	102 P250	26.2	215.4	51.4	1.2	99	7.2	3.7	58.9	26.1	213.6	51.0	3.0	99	26.4	234.8	52.3	0.3	100	26.0	197.8	50.8	0.3	98
PARTNERS BRAND 520HX1	102 P250	22.7	213.4	54.2	0.7	99	7.3	3.9	60.7	22.3	213.0	53.5	0.3	99	23.2	217.0	54.5	0.4	98	22.6	210.0	54.7	1.4	99
PARTNERS BRAND PB46G02-ex	102 P250	22.9	212.3	54.7	1.9	94	7.2	3.9	59.7	22.9	209.8	53.9	2.2	90	23.5	227.1	54.7	2.2	96	22.4	199.9	55.4	1.4	97
PIONEER 35A31	105 P1250 2,4,11,13	24.7	226.4*	55.1	0.3	99	7.3	3.3	60.3	23.8	230.6*	54.8	0.3	97	26.1	245.7*	54.8	0.4	100	24.2	203.0	55.8	0.3	100
PIONEER 35F38	104 P1250	23.9	230.2*	55.8	2.0	99	7.0	4.1	59.7	22.7	220.6*	55.9	1.7	98	25.3	249.9*	54.7	1.8	99	23.6	220.1*	56.7	2.5	100
PIONEER 36K69	103 P1250 1,2,4	25.8	232.2*	53.7	0.2	100	7.6	3.8	58.8	25.5	214.3*	53.2	0.3	99	27.6	252.7*	53.0	0.0	100	24.3	229.5**	54.8	0.3	100
PIONEER 36W67	103 P1250 2,4,11,12	24.4	223.4	53.4	0.0	100	7.3	3.7	59.8	24.3	223.7*	52.8	0.0	100	25.3	250.9*	52.8	0.0	100	23.5	195.5	54.5	0.0	100
PIONEER 36Y84	103 P1250 11	22.4	214.8	56.3	2.0	98	8.0	3.8	59.3	21.4	213.6	56.2	1.7	94	23.6	242.2	55.0	2.8	99	22.1	188.7	57.8	1.4	100
RENK RK64YGC8	104 C250	23.2	221.9	55.6	0.6	98	7.5	4.0	59.5	22.4	219.7*	55.1	0.0	98	24.4	237.2	55.3	1.0	100	22.9	208.9	56.4	0.7	98
RENK RK72YGC8	104 C250	22.8	205.2	54.5	1.1	99	7.3	4.8	57.7	22.0	199.4	54.7	1.3	99	23.5	221.5	53.6	1.0	100	22.7	194.7	55.3	1.1	99
RUPP XR1612	102 C250	23.9	204.2	51.9	1.1	87	8.3	3.8	59.0	24.1	208.9	50.9	1.2	87	24.5	210.2	51.6	0.4	91	23.1	193.4	53.2	1.8	83
RUPP XR8624	102 C250	23.3	210.3	54.8	0.4	98	7.3	3.5	60.7	23.2	212.7	53.6	0.0	97	23.6	234.1	55.2	0.4	99	23.0	184.2	55.5	0.7	99
TRELAY 5N749	102 P250 1,2	22.9	212.5	55.2	0.5	90	7.8	3.9	58.6	22.1	204.2	54.6	0.8	88	24.2	238.6	54.4	0.4	95	22.5	194.5	56.8	0.4	89
AVERAGE		23.7	215.7	54.1	0.9	96	7.5	3.9	59.5	23.1	213.8	53.7	1.0	96	24.7	236.4	53.8	0.8	97	23.2	196.9	54.7	0.9	96
HIGHEST		26.3	233.4	56.5	2.8	100	8.3	4.8	61.6	26.3	235.3	56.2	3.0	100	27.6	262.0	56.4	4.2	100	26.0	229.5	57.8	3.5	100
LOWEST		21.2	191.9	51.0	0.0	83	6.1	3.3	57.4	20.1	186.4	50.7	0.0	85	22.4	200.6	51.2	0.0	83	20.7	169.6	50.3	0.0	78
CV (%)		3.6	6.7	1.5	133	4	4.2	5.8	1.2	3.9	7.1	1.3	113	4	3.5	5.2	1.9	149	4	2.2	6.8	0.9	142	5
LSD (5%)		0.6	9.7	0.6	0.8	3	0.4	0.3	1.0	1.3	21.1	1.0	3.3	11	1.2	17.3	1.4	1.8	11	0.7	18.7	0.7	1.8	13

BRAND / HYBRID	RM	TRT	Trait	LATE TRIAL AVERAGE				% QUALITY				INGHAM - LATE				KENT - LATE				SAGINAW - LATE						
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 2103	103			20.7	203.1	56.3	1.7	94	7.5	3.8	60.2	19.0	194.7	56.1	3.4	98	20.8	203.9	57.0	1.4	94	22.4	210.6	55.7	0.2	90
BAYSIDE 4105	105			21.3	208.8	53.8	1.0	97	8.5	3.9	59.0	19.8	199.4	53.5	1.2	97	21.3	214.0	54.3	1.2	95	22.9	213.0	53.5	0.7	99
BAYSIDE Super 105	105			21.9	211.3	54.6	2.1	93	7.8	4.1	59.5	20.3	187.9	54.3	2.3	94	22.2	222.2*	55.8	1.6	91	23.3	223.7	53.6	2.3	95
DAIRYLAND STEALTH-5201	101 P250	2		19.2	216.6*	57.4	1.2	98	7.7	4.4	59.6	18.0	204.8*	57.4	2.6	99	19.8	224.9*	57.4	0.5	99	20.0	220.1	57.3	0.5	97
DAIRYLAND STEALTH-5204	104 P250	2		21.2	219.3**	56.6	0.3	99	7.5	4.0	59.0	19.3	203.1*	56.5	0.8	100	21.5	221.5*	57.1	0.0	99	22.8	233.3*	56.1	0.2	100
GARST 86761T	104 C250	6		21.7	216.3*	54.1	1.9	98	7.9	3.7	59.3	19.7	209.1*	52.7	1.8	100	21.9	216.8*	55.8	1.2	97	23.5	222.9	53.8	2.6	99
GARST 86891T	104 C250	6		21.3	213.2*	55.1	2.0	97	7.8	4.0	59.3	19.6	210.8**	55.2	1.7	98	21.6	214.2	55.6	2.8	97	22.7	214.7	54.5	1.5	95
GOLDEN HARVEST H-8920	111 C250			25.0	217.4*	54.9	2.4	99	7.4	3.8	59.1	22.8	201.4*	55.5	2.8	99	25.4	212.9	55.9	2.0	98	26.8	238.0**	53.5	2.4	99
LEGACY 45B75	104 P250	2		21.5	209.1	54.9	0.3	91	7.4	3.8	60.1	19.6	201.1*	55.4	0.2	95	22.3	215.8	55.2	0.5	89	22.6	210.3	54.1	0.2	87
MYCOGEN 2D555	103 C250	2,4		21.3	215.0*	56.5	0.1	100	7.7	4.0	59.4	19.1	197.9	56.6	0.2	100	21.6	227.1**	57.0	0.2	100	23.3	219.8	55.8	0.0	100
NK Brand N51-Z7	104 C250	2,4		21.9	201.5	54.4	0.8	99	6.6	3.9	60.6	20.2	188.9	54.4	0.4	100	23.2	202.7	54.5	1.0	99	22.4	212.9	54.4	1.0	99
NK Brand N58-L8	106 C250	1		21.7	210.6	55.9	1.7	96	7.3	3.8	60.3	20.2	202.1*	55.6	2.1	96	21.5	216.3*	56.8	1.4	96	23.4	213.5	55.2	1.6	96
RENK RK72YGC8	104 C250	2		20.3	207.5	55.8	1.0	100	7.8	4.8	57.7	19.0	192.5	55.8	1.3	100	20.6	212.6	55.9	1.0	100	21.3	217.4	55.6	0.7	99
RUPP XR1612	102 C250			21.9	202.5	53.3	1.6	89	8.2	3.7	59.2	20.6	196.3	52.9	2.2	90	21.5	199.8	54.3	0.9	91	23.7	211.4	52.7	1.6	86
RUPP XR8624	102 C250	2		21.4	211.5	56.2	0.7	99	7.5	3.6	60.3	20.0	202.7*	55.7	0.7	98	21.4	219.8*	57.2	0.3	99	22.7	211.9	55.6	1.0	100
AVERAGE				21.5	210.9	55.3	1.2	97	7.6	4.0	59.5	19.8	199.5	55.2	1.6	97	21.8	215.0	56.0	1.1	96	22.9	218.2	54.8	1.1	96
HIGHEST				25.0	219.3	57.4	2.4	100	8.5	4.8	60.6	22.8	210.8	57.4	3.4	100	25.4	227.1	57.4	2.8	100	26.8	238.0	57.3	2.6	100
LOWEST				19.2	201.5	53.3	0.1	89	6.6	3.6	57.7	18.0	187.9	52.7	0.2	90	19.8	199.8	54.3	0.0	89	20.0	210.3	52.7	0.0	86
CV (%)				4.5	6.3	1.6	140	4	4.7	6.2	1.3	4.8	6.3	2.0	133	3	4.6	5.8	1.6	149	4	2.8	5.2	1.0	135	4
LSD (5%)				0.5	6.4	0.4	0.7	2	0.3	0.2	0.6	0.9	10.8	0.9	1.3	3	0.9	10.9	0.7	1.1	3	0.5	8.8	0.5	1.0	3

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

TABLE 3E.

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

ZONE 3

BRAND / HYBRID	2006	RM	TRT	Trait	EARLY TRIAL AVERAGE					% QUALITY					HURON - EARLY					MASON - EARLY					MONTCALM - EARLY				
					%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
BAYSIDE 2090		90			20.3	191.7	58.0	2.2	98	9.4	4.2	57.8	19.7	168.7	59.0	4.6	99	22.5	200.0	56.9	0.6	95	18.9	206.4	58.2	1.5	100		
BAYSIDE 4095YGCB		95		2	22.0	206.4	57.5	1.3	97	8.7	4.3	57.3	22.3	208.1	57.6	1.4	100	22.7	190.8	56.8	1.8	95	21.1	220.3	57.9	0.8	97		
BAYSIDE 5072RR		93		1	21.1	203.1	55.5	2.2	98	7.7	3.8	60.4	21.6	195.4	57.6	10.1	100	22.1	195.2	55.2	2.6	95	19.6	218.6	55.9	3.0	99		
BAYSIDE 5095RR		95		P250	1	24.4	188.4	53.5	2.4	90	8.9	3.8	58.5	23.7	200.7	53.7	4.7	96	26.2	179.1	52.7	0.7	88	23.1	185.3	54.0	1.7	85	
BAYSIDE 5518RR		95		P250	1	22.2	202.0	55.4	4.1	94	8.3	3.9	59.5	22.5	190.6	55.1	6.7	94	23.7	195.4	55.1	2.3	94	20.3	220.0	55.9	3.3	96	
BAYSIDE 6094YGCBBR		94		P250	1,2	22.1	216.9	55.4	0.6	98	7.9	4.0	59.3	22.0	217.6	56.3	0.0	100	24.3	217.6	53.8	0.8	94	19.9	215.3	56.1	1.1	99	
BAYSIDE Super 93		93		P250	2	21.3	198.9	55.3	5.8	91	8.3	3.8	59.8	21.5	195.1	55.7	11.3	90	22.4	192.2	54.4	1.6	86	19.9	209.5	55.7	4.5	97	
BROWN 3000YGCB		90		C250	2	22.0	190.1	56.0	1.2	81	7.2	3.9	59.6	21.6	191.0	57.4	1.3	82	24.3	178.6	53.5	1.2	76	20.1	200.8	57.2	1.0	84	
CROPLAN 364RR		96		C250	1	21.3	194.7	56.5	5.2	97	7.9	3.4	60.4	20.8	183.8	56.2	9.4	100	23.4	193.0	54.9	2.6	92	19.7	207.4	58.4	3.6	100	
CROPLAN 3688RB		97		C250	1,2	22.7	225.1	55.5	0.2	89	7.9	4.2	59.4	22.3	221.8	56.3	0.0	92	25.3	221.5	53.9	0.0	82	20.6	232.1	56.3	0.9	93	
DAIRYLAND DST-8711B1		89		P250	2	20.9	200.5	58.0	1.5	98	8.1	3.8	59.9	20.9	189.1	58.4	1.4	100	22.3	197.9	56.7	1.9	96	19.5	214.5	58.7	1.2	97	
DAIRYLAND STEALTH-5194		94		P250	2	21.4	210.8	56.9	1.0	98	7.4	4.3	59.4	21.3	208.9	58.1	1.4	96	23.7	207.7	54.8	1.1	99	19.3	215.7	57.8	0.5	100	
DEKALB DKC41-64 (RR2/YGCB)		91		P250	1,2	21.4	206.7	56.4	1.0	100	8.0	4.4	58.5	20.9	208.0	58.2	0.7	100	24.3	202.1	53.3	2.1	100	19.1	210.0	57.7	0.1	100	
DEKALB DKC42-88 (RR2/YGPL)		92		P250	1,2,3	21.3	215.9	56.6	0.6	99	8.1	3.9	59.1	21.0	217.4	57.2	1.1	100	23.7	212.8	55.0	0.2	98	19.2	217.5	57.6	0.6	100	
DEKALB DKC44-92 (RR2)		94		P250	1	22.7	209.0	55.1	4.6	96	7.7	3.7	59.2	21.7	208.3	56.3	8.8	99	25.9	204.4	53.0	2.2	88	20.4	214.3	56.1	2.9	100	
DEKALB DKC45-82 (RR2)		95		P250	1	22.0	206.5	56.5	2.2	100	7.9	3.9	58.3	21.6	195.5	57.2	4.2	99	24.0	220.8	55.4	0.6	99	20.5	203.3	57.0	1.9	100	
DEKALB DKC46-22 (RR2/YGPL)		96		P250	1,2,3	21.7	207.9	56.9	1.5	98	7.5	4.0	59.2	21.6	201.2	57.4	2.8	98	24.3	208.1	54.9	0.8	96	19.2	214.4	58.4	0.1	100	
DYNAGRO 53F09		94		P250	2	21.9	214.9	56.1	0.6	93	7.8	4.3	58.5	21.9	223.2	56.7	0.0	100	24.0	205.1	54.4	1.5	87	19.8	216.6	57.3	0.4	92	
DYNAGRO 53G01		94		P250	1,3	22.0	197.9	55.4	2.6	89	8.0	4.5	58.2	21.5	201.6	56.4	7.0	94	24.1	189.9	53.9	0.0	82	20.5	202.3	55.9	0.8	90	
DYNAGRO 53P30		92		P250	1,2	21.6	183.8	56.9	1.5	84	7.8	4.3	58.5	21.3	186.3	58.2	1.2	87	23.9	174.3	54.7	2.7	81	19.5	190.8	58.0	0.6	84	
DYNAGRO 54P55		95		P250	1,2	21.9	214.8	55.7	0.8	91	8.2	4.1	58.8	21.4	220.9	56.6	0.0	98	24.5	204.6	54.0	1.7	87	19.8	218.9	56.4	0.6	90	
GARST 8880YG1		95		C250	2	21.7	214.5	56.1	0.8	99	7.5	4.7	58.4	21.9	213.9	56.5	0.7	97	23.7	207.5	54.3	1.4	100	19.5	222.1	57.4	0.4	100	
GARST 8921YG1/RR		92		C250	2	21.6	205.1	56.9	1.8	100	7.4	4.1	59.2	21.5	199.9	57.6	1.8	100	23.8	205.4	54.8	1.6	100	19.5	209.1	58.3	2.0	100	
GARST 8922YG1		90		C250	2	21.1	211.7	57.2	0.7	99	7.4	3.9	59.2	21.0	207.6	58.3	1.1	99	22.8	204.6	55.5	0.8	98	19.4	222.9	57.8	0.2	100	
GREAT LAKES 4415B1RR		94		P250	1,2	22.5	222.6	55.7	0.3	92	7.7	4.3	59.2	22.3	223.2	56.4	0.0	97	25.5	215.3	53.8	0.5	82	19.6	229.4	56.9	0.5	97	
HYLAND SEEDS H12368		90		P250	2	21.3	206.2	56.0	4.6	100	7.7	4.5	58.7	20.6	195.6	56.7	9.0	100	23.3	210.7	54.5	1.6	100	19.8	212.2	56.9	3.2	99	
HYLAND SEEDS H1B266		88		P250	2	21.3	194.3	57.6	0.8	93	7.8	3.7	60.0	21.7	185.7	58.4	1.1	97	22.7	194.5	55.9	0.7	94	19.5	202.7	58.4	0.5	89	
HYLAND SEEDS H1B282		92		P250	2	21.4	221.0	56.4	0.5	100	7.9	4.5	58.4	21.4	224.5	56.9	0.7	100	23.0	215.4	55.0	0.3	100	19.4	223.2	57.5	0.6	100	
HYLAND SEEDS H1B33R		88		P250	1,2	21.7	200.7	57.6	1.5	94	8.2	3.9	59.5	21.7	197.5	58.7	1.5	94	23.2	200.3	56.6	2.3	96	20.2	204.3	57.7	0.8	91	
HYLAND SEEDS H1R231		88		P250	1	20.8	191.2	58.2	2.9	100	8.1	3.9	59.9	20.4	173.7	59.0	4.9	99	22.8	203.0	56.9	0.0	100	19.3	196.8	58.7	3.8	100	
HYLAND SEEDS H1R234		90		P250	1	21.4	210.3	56.1	3.3	100	7.7	4.4	58.3	20.9	196.8	56.8	7.7	99	23.7	215.3	54.3	0.9	100	19.6	218.7	57.3	1.4	100	
HYLAND SEEDS JUXXIN		90		P250	1	21.5	197.9	56.4	5.8	100	8.4	3.9	59.1	21.2	194.3	57.0	12.9	100	23.3	187.2	55.0	2.8	99	20.0	212.3	57.2	1.8	100	
INTEGRA SEED INT6395R		95		P250	1,11,13	21.5	205.6	56.3	3.9	96	7.6	4.4	58.4	20.6	194.1	57.1	9.2	99	23.7	209.6	54.8	1.0	96	20.0	213.1	56.9	1.5	94	
INTEGRA SEED INT63F90RB		92		P250	1,2,11,13	21.4	200.9	57.3	1.2	94	7.7	4.1	58.8	20.9	202.6	58.5	1.1	100	23.9	195.6	54.8	1.3	91	19.3	204.4	58.5	1.1	92	
INTEGRA SEED INT6788RB		88		P250	1,2	21.4	192.9	58.3	0.9	99	7.6	4.4	58.9	21.3	193.6	59.6	0.4	100	23.1	193.1	56.4	1.8	99	19.8	201.9	58.7	0.5	99	
INTEGRA SEED INT9452		95		P250	2	21.6	201.8	55.8	3.2	96	7.9	4.7	57.8	21.0	192.5	56.4	5.9	99	24.2	200.9	54.5	1.1	94	19.6	212.0	56.4	2.6	96	
JUNG 3432YGCB		95		P250	2	22.1	217.3	56.2	0.6	100	7.5	4.5	59.1	22.2	215.7	56.3	0.7	100	24.0	217.6	55.2	0.4	100	20.3	218.6	57.0	0.7	100	
JUNG 7437RR/YGPL		94		P250	1,2,3	22.4	211.1	55.3	2.9	100	8.7	4.2	57.8	22.0	210.5	56.4	1.1	100	24.9	197.4	53.0	7.0	99	20.4	225.5	56.6	0.6	100	
LASER L-7H07B1		95		C250	2	21.5	215.4	56.5	0.7	100	7.5	4.4	59.0	21.4	218.4	57.1	0.0	100	23.5	209.5	55.0	1.7	100	19.7	218.4	57.4	0.5	100	
LEGACY EX870		87		P250	2	21.4	177.1	56.2	3.3	84	8.2	3.6	59.4	21.0	172.3	56.7	4.4	94	23.0	178.6	55.1	1.7	78	20.3	180.2	57.0	3.7	80	
LEGACY EX881		88		P250	2	20.1	200.6	58.9	1.0	99	8.6	3.9	58.6	20.4	199.3	59.4	0.4	100	21.0	200.5	58.0	1.9	99	18.8	201.9	59.3	0.8	100	
MYCOGEN 21336		92		C250	1,2	20.9	207.2	57.3	1.5	100	7.3	3.8	60.2	21.1	205.3	57.6	0.4	100	22.2	203.5	56.1	1.7	100	19.3	212.9	58.0	2.4	100	
NK Brand N29-A2		92		C250	2,4	21.7	204.7	56.6	2.6	88	8.6	4.1	57.4	21.8	202.7	56.9													

BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch
RUPP XR8579	94	C250	1	21.4	193.9	56.3	4.8	94	7.5	4.4	58.6	20.8	183.4	56.8	9.5	96	23.7	196.1	55.0	1.4	95	19.6	202.2	57.1	3.5	92	21.9	174.0	57.4	1.4	76	8.6	3.8	59.2	21.7	174.6	58.5	0.5	78	23.8	173.1	55.7	1.6	75	20.5	174.3	57.9	2.2	74
RUPP XR8765	89	P250	1,2	21.3	201.9	57.2	0.8	93	7.8	4.2	58.6	20.9	201.8	58.4	0.0	95	23.8	196.8	55.0	2.1	92	19.2	207.0	58.2	0.5	92	20.2	197.4	57.7	3.0	89	7.8	4.0	59.4	19.9	190.5	58.7	0.0	86	22.5	202.7	55.7	7.7	91	18.3	199.0	58.6	1.3	90
TRELAY 2N553	90	P250	1,2	21.7	204.0	56.5	2.1	95	8.0	4.1	58.9	21.4	201.0	57.2	3.1	97	23.7	200.5	54.9	1.6	93	19.9	210.6	57.3	1.5	95	24.4	225.1	58.9	5.8	100	9.4	4.7	60.9	23.7	224.5	59.6	12.9	100	26.4	221.5	58.0	7.7	100	23.1	234.7	59.3	4.5	100
HIGHEST				20.1	174.0	53.5	0.2	76	7.2	3.4	56.9	19.7	168.7	53.7	0.0	78	21.0	173.1	52.0	0.0	75	18.3	174.3	54.0	0.1	74	2.6	5.3	1.1	106	4	4.0	7.0	1.2	2.0	4.8	1.0	72	3	2.9	5.6	1.3	168	5	2.4	4.8	0.7	90	5
LOWEST				0.4	7.2	0.4	1.5	3	0.9	0.4	1.0	0.6	13.4	0.8	6.2	4	1.0	15.9	1.0	3.7	13	0.7	14.3	0.6	1.9	12	0.4	7.2	0.4	1.5	3	0.9	0.4	1.0	0.6	13.4	0.8	6.2	4	1.0	15.9	1.0	3.7	13	0.7	14.3	0.6	1.9	12

2 Year Averages

BRAND / HYBRID	RM	TRT	Trait	EARLY TRIAL AVERAGE			% QUALITY			HURON - EARLY			MASON - EARLY			MONTCALM - EARLY																																	
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch								
BAYSIDE 4095YGCB	95	C250	2	20.1	210.8	58.3	1.6	98	8.4	4.3	57.6	18.9	194.5	58.8	3.5	100	20.5	209.0	57.9	1.1	96	20.9	228.8	58.3	0.4	98	19.7	203.0	56.4	4.2	97	7.8	3.9	60.1	18.3	181.5	57.0	8.2	99	20.3	207.0	56.2	1.8	96	20.5	220.4	56.2	2.7	96
BAYSIDE 5072RR	93	P250	1	20.6	200.0	56.4	3.1	92	8.6	3.7	59.3	19.1	182.0	56.9	5.4	95	21.5	202.7	56.3	1.3	90	21.2	215.2	56.1	2.6	90	19.9	203.3	56.3	4.3	94	8.1	3.8	59.7	18.7	186.0	57.1	9.1	94	20.7	207.7	55.6	0.8	92	20.4	216.2	56.1	2.9	97
BAYSIDE Super 93	93	P250	1	19.9	203.3	56.3	4.3	94	8.1	3.8	59.7	18.7	186.0	57.1	9.1	94	20.7	207.7	55.6	0.8	92	20.4	216.2	56.1	2.9	97	19.9	194.1	57.3	1.5	80	7.4	4.0	59.3	18.5	185.1	58.3	2.4	85	21.2	191.7	56.1	1.3	76	20.2	205.5	57.5	0.7	81
BROWN 3000YGCB	90	C250	2	20.1	205.7	57.1	4.7	98	7.9	3.9	59.5	18.5	185.9	57.5	10.1	100	21.4	213.8	56.2	1.5	95	20.5	217.4	57.5	2.7	87	20.2	210.1	56.8	1.4	91	7.7	4.4	58.7	18.7	209.6	57.8	2.9	100	21.2	208.3	55.8	1.2	85	20.4	212.5	56.7	0.2	87
DYNAGRO 53F09	94	P250	1	19.7	197.6	58.0	2.5	90	7.8	4.1	58.5	18.4	189.7	59.1	3.4	93	21.0	195.0	56.5	1.5	89	19.7	208.1	58.4	2.7	89	20.5	219.5	57.3	0.2	91	7.7	4.4	59.1	18.8	206.1	58.1	0.2	98	22.3	223.4	56.1	0.3	84	20.3	229.0	57.7	0.3	91
DYNAGRO 53P30	92	P250	1,2	19.6	211.3	56.9	3.4	98	7.7	4.5	58.6	17.9	192.3	57.7	7.0	98	21.0	218.0	55.9	1.1	98	19.8	223.7	57.1	1.9	97	19.6	210.5	57.3	3.1	97	7.7	4.5	58.3	18.1	191.8	58.0	6.5	99	20.9	215.2	56.2	1.4	95	19.7	224.4	57.6	1.4	98
GARST 8880YG1	95	C250	2	19.9	219.4	57.0	2.4	99	7.6	4.7	58.3	18.8	202.5	58.0	6.0	98	20.8	221.6	56.1	0.7	100	20.0	234.0	56.9	0.5	100	19.6	210.5	57.4	5.1	96	8.3	3.8	59.5	18.4	189.4	57.7	11.6	98	20.7	193.8	56.6	1.6	94	19.6	215.4	58.0	2.2	95
GARST 8821YGI/RR	92	C250	1,2	20.0	206.7	58.1	2.5	98	7.7	4.2	58.8	18.8	190.0	58.9	4.2	100	21.2	209.1	56.7	1.1	97	19.9	221.0	58.6	2.1	96	19.3	213.9	58.1	1.6	99	7.4	4.0	59.2	18.2	197.5	59.1	3.3	99	20.1	212.2	57.0	0.8	98	19.6	232.2	58.1	0.6	99
GARST 8922YG1	90	C250	2	20.5	219.5	57.3	0.2	91	7.7	4.4	59.1	18.8	206.1	58.1	0.2	98	22.3	223.4	56.1	0.3	84	20.3	229.0	57.7	0.3	91	19.6	211.3	56.9	3.4	98	7.7	4.5	58.6	17.9	192.3	57.7	7.0	98	21.0	218.0	55.9	1.1	98	19.8	223.7	57.1	1.9	97
GREAT LAKES 4415B/RR	94	P250	1,2	19.6	210.5	57.3	3.1	97	7.7	4.5	58.3	18.1	191.8	58.0	6.5	99	20.9	215.2	56.2	1.4	95	19.7	224.4	57.6	1.4	98	19.6	219.5	57.4	5.1	96	8.3	3.8	59.5	18.4	189.4	57.7	11.6	98	20.7	193.8	56.6	1.6	94	19.6	215.4	58.0	2.2	95
HYLAND SEEDS HL2368	90	P250	1	19.6	199.5	57.4	5.1	96	8.3	3.8	59.5	18.4	189.4	57.7	11.6	98	20.7	193.8	56.6	1.6	94	19.6	215.4	58.0	2.2	95	20.0	217.2	57.0	1.8	99	7.4	4.5	59.1	18.8	200.0	57.5	4.7	99	20.9	218.3	56.6	0.2	99	20.5	233.3	56.9	0.5	99
HYLAND SEEDS HLX234	90	P250	2	19.7	208.3	57.6	2.2	92	8.5	4.3	57.4	18.6	194.5	58.8	3.4	95	20.5	202.8	56.7	2.3	87	20.1	227.7	57.4	1.0	93	20.4	206.0	57.2	5.5	97	8.4	4.3	58.7	19.4	204.4	58.1	12.0	100	21.4	204.2	56.4	1.5	95	20.5	209.4	57.0	3.0	96
JUNG 3432YGCB	95	P250	2	20.7	221.4	57.2	2.1	99	8.2	3.9	58.8	19.4	206.1	58.2	4.5	99	21.8	218.3	54.9	1.1	99	20.9	239.7	55.2	0.7	99	20.6	210.6	56.8	1.9	96	8.3	4.4	57.3	18.9	191.6	57.9	4.2	97	21.9	210.4	55.8	0.4	95	21.1	229.9	56.8	1.1	96
NK Brand N29-A2	92	C250	2,4	19.7	208.3	57.6	2.2	92	8.5	4.3	57.4	18.6	194.5	58.8	3.4	95	20.5	202.8	56.7	2.3	87	20.1	227.7	57.4	1.0	93	20.4	206.0	57.2	5.5	97	8.4	4.3	58.7	19.4	204.4	58.1	12.0	100	21.4	204.2	56.4	1.5	95	20.5	209.4	57.0	3.0	96
NK Brand N3030B1	93	C250	2,4	20.7	221.4	57.2	2.1	99	8.2	3.9	58.8	19.4	206.1	58.2	4.5	99	21.8	218.3	54.9	1.1	99	20.9	239.7	55.2	0.7	99	20.6	210.6	56.8	1.9	96	8.3	4.4	57.3	18.9	191.6	57.9	4.2	97	21.9	210.4	55.8	0.4	95	21.1	229.9	56.8	1.1	96
NK Brand N34-F1	94	C250	2,4	19.6	199.5	57.4	5.1	96	8.3	3.8	59.5	18.4	189.4	57.7	11.6	98	20.7	193.8	56.6	1.6	94	19.6	215.4	58.0	2.2	95	20.0	217.2	57.0	1.8	99	7.4	4.5	59.1	18.8	200.0	57.5	4.7	99	20.9	218.3	56.6	0.2	99	20.5	233.3	56.9	0.5	99
NK Brand N35-B8	95	C250	2,4	19.7	208.3	57.6	2.2	92	8.5	4.3	57.4	18.6	194.5	58.8	3.4	95	20.5	202.8	56.7	2.3	87	20.1	227.7	57.4	1.0	93	20.4	206.0	57.2	5.5	97	8.4	4.3	58.7	19.4	204.4	58.1	12.0	100	21.4	204.2	56.4	1.5	95	20.5	209.4	57.0	3.0	96
PARTNERS BRAND 410RRYGPPlus	90	C250	1,2,3	19.7	208.5	58.0	2.3	91	7.9	4.2	58.6	18.3	202.7	59.3	3.5	95	21.0	205.2	56.7	0.1	85	19.8	217.6	58.1	3.4	93	20.0	208.4	57.2	2.7	95	7.9	4.2	58.8	18.6	194.4	58.0	5.5	97	21.1	208.9	56.3	1.1	93	20.3	222.0	57.2	1.6	95
AVERAGE				20.7	221.4	58.3	5.5	99	8.6	4.7	60.1	19.4	209.6	59.3	12.0	100	22.3	223.4	57.9	2.3	100	21.2	239.7	58.6	3.4	100	19.3	194.1	55.4	0.2																			

TABLE 3L.

HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - LATE (96 Day and Later)

ZONE 3

BRAND / HYBRID	RM	TRT	Trail	LATE TRIAL AVERAGE				% QUALITY				HURON - LATE				MASON - LATE				MONTCALM - LATE						
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 1700	100	P250		24.0	201.0	54.3	1.8	97	8.7	4.2	58.7	23.5	185.1	53.9	3.5	99	25.9	200.7	53.9	1.1	94	22.4	217.3	55.2	0.7	99
BAYSIDE 2103	103	P250		25.0	218.2	53.3	4.7	96	8.2	3.7	59.4	24.9	203.6*	53.1	6.6	99	27.3	229.4*	52.6	0.7	93	22.9	221.6	54.3	6.6	97
BAYSIDE 2103YGCBBR	103	P250	1,2	25.8	218.7	53.3	3.5	100	8.1	3.5	59.6	25.9	219.7*	52.9	3.2	100	27.6	221.6*	53.0	6.3	100	23.8	214.7	54.0	1.1	99
BAYSIDE 4105	105	P250		25.0	213.4	51.7	2.4	100	8.5	3.3	59.6	25.1	207.0*	50.7	3.2	100	27.1	218.2	51.3	2.1	100	22.9	214.8	53.1	1.8	99
BAYSIDE 6096	96	P250		23.9	201.3	54.0	2.5	98	7.9	3.6	60.7	23.6	186.9	53.9	4.5	100	25.8	212.4	52.9	1.8	100	22.3	204.6	55.2	1.4	95
BROWN 5232RRYGPPlus	98	C250	1,2,3	24.1	210.1	54.9	1.5	96	8.4	4.0	59.0	24.2	213.3*	54.8	0.8	100	26.2	193.7	53.2	1.6	89	22.0	223.3	56.6	2.1	100
BROWN 5636	98	C250		24.8	211.2	53.3	3.5	89	8.3	3.4	59.9	24.8	196.6	53.2	5.6	96	26.2	220.6	52.7	0.8	89	23.4	216.4	53.9	4.2	93
BROWN 5636RRYGCBB	100	C250	1,2	25.8	216.7	53.2	3.2	93	8.1	3.6	59.4	26.5	211.3*	52.6	2.7	94	27.4	222.3*	52.7	3.0	91	23.4	216.4	54.3	3.9	95
CROPLAN 421RR/BT	101	C250	1,2	23.7	223.1	56.0	0.5	96	8.3	4.1	58.5	23.3	217.2*	56.4	0.3	95	26.3	225.0*	54.5	0.8	95	21.6	227.1*	57.2	0.4	98
CROPLAN 4421RR	100	C250	1	22.8	220.6	55.2	4.9	99	8.3	4.2	58.8	21.6	206.0*	55.6	8.2	99	26.2	230.5*	53.8	3.2	100	20.5	225.3	56.2	3.5	100
DAIRYLAND STEALTH-5497	98	P250	2	22.2	201.9	55.6	0.9	88	7.5	4.3	58.9	22.1	189.6	55.9	0.9	77	24.3	205.7	53.8	0.4	90	20.2	210.6	57.2	1.4	98
DAIRYLAND STEALTH-7201	101	P250	1,2	23.5	223.2	55.3	1.5	100	7.9	4.1	59.4	23.5	222.9*	55.2	0.7	100	24.9	219.1	54.4	2.4	100	22.1	227.7*	56.3	1.4	100
DEKALB DKC48-53 (RR2YGCBB)	98	P250	1,2	22.1	210.1	55.7	2.3	99	7.6	3.8	59.6	20.8	202.7*	57.0	1.7	100	25.8	217.7	53.1	2.9	98	19.7	210.0	57.1	2.5	100
DEKALB DKC51-39 (RR2YGPL)	101	P250	1,2,3	23.4	214.5	55.8	1.9	100	7.9	3.8	59.7	22.0	213.3*	57.2	0.3	100	26.6	217.2	53.4	3.2	99	21.3	213.0	56.9	2.1	101
DEKALB DKC52-40 (RR2YGPL)	102	P250	1,2,3	23.5	223.2**	54.6	0.9	97	7.9	4.0	59.6	23.1	227.5*	55.0	0.0	99	26.1	237.1*	52.9	1.9	93	21.6	244.1**	55.9	0.7	99
DEKALB DKC52-63 (RR2YGCBB)	102	P250	1,2	24.9	232.3*	53.9	1.4	94	7.9	4.0	58.9	24.9	230.4**	53.6	0.8	94	27.9	229.5*	52.1	2.0	90	22.0	236.9*	55.9	1.4	98
DYNAGRO 53K69	96	P250	1	21.5	199.7	55.5	4.8	97	7.9	4.4	58.2	19.7	194.9	56.2	7.5	99	25.3	204.6	53.4	1.1	95	19.6	199.6	56.7	5.8	98
DYNAGRO 55B02	101	P250	1,2,3	24.7	204.8	53.8	0.6	96	8.2	3.8	59.4	24.0	213.6*	54.2	0.3	99	27.0	203.4	52.6	0.4	93	23.0	197.3	54.6	1.1	94
DYNAGRO 55P86	105	P250	1,2	25.9	218.0	53.1	3.5	92	8.2	3.4	59.7	26.2	219.6*	52.7	2.7	95	27.7	213.8	52.7	5.0	87	23.8	220.6	53.9	2.9	95
DYNAGRO CX05200	100	P250		24.3	211.1	54.6	3.8	92	7.5	3.3	61.1	22.9	202.4*	55.2	4.7	97	28.1	209.8	52.8	3.0	85	22.0	221.1	55.8	3.7	95
DYNAGRO CX06000	97	P250	1,2,3	23.0	214.1	56.5	4.1	98	8.3	3.9	59.3	21.8	207.3*	57.4	6.9	99	25.9	233.8*	54.3	1.8	98	21.2	201.3	57.8	3.5	97
GOLDEN HARVEST H-7935Hx	103	C250	2,4	25.6	216.8	51.4	2.4	98	8.6	3.6	59.3	26.1	213.8*	50.9	3.2	99	28.3	220.4	50.3	2.1	98	22.4	216.4	53.0	1.8	96
GREAT LAKES 4689BRR	96	P250	1,2	24.5	212.4	55.6	1.3	93	8.2	4.1	58.6	24.0	215.8*	56.2	0.3	93	27.7	206.8	53.7	3.1	89	21.8	214.5	57.1	0.4	96
HYLAND SEEDS HLB43R	97	P250	1,2	23.1	207.2	54.9	1.6	93	8.5	3.8	59.0	23.1	210.4*	54.6	0.4	91	25.0	198.8	54.0	2.3	90	21.2	212.3	56.0	2.2	97
HYLAND SEEDS HLB52R	101	P250	1,2	26.0	214.0	53.1	2.7	97	8.4	3.6	59.5	26.3	207.8*	52.7	2.8	99	27.6	229.8*	52.8	3.9	98	24.1	205.0	57.0	3.3	94
INTEGRA SEED INT9462B	96	P250	2,11,13	21.8	204.7	56.0	1.7	94	7.8	4.4	58.6	21.1	196.9	56.5	1.9	98	24.0	212.3	54.4	0.0	95	20.3	204.5	57.0	3.3	89
JUNG 7425RRYGPL	96	P250	1,2,3	22.4	209.0	54.4	1.2	96	8.0	3.7	59.7	21.6	207.3*	55.1	0.4	94	25.5	206.1	52.1	1.8	96	20.1	213.6	55.9	1.4	98
LASER L-7H67B/RR	99	C250	1,2	24.5	204.1	53.2	0.8	100	8.1	4.0	59.0	24.0	205.0*	53.6	0.7	100	26.9	201.2	52.0	0.7	100	22.6	205.9	54.2	1.1	100
MIDWEST 45602	97	C250	1	24.0	217.6	55.9	0.6	91	8.6	4.3	58.4	23.7	212.6*	56.0	0.0	93	26.4	219.3	54.6	0.8	84	22.0	220.7	57.1	1.1	96
MIDWEST 71101T	102	C250	1	24.0	211.4	55.0	1.1	99	7.6	3.7	59.4	23.0	207.2*	55.6	1.4	100	26.8	206.4	53.1	0.7	98	22.2	220.5	56.3	1.1	100
MYCOGEN 2R421	96	C250	1,3	21.5	203.7	55.8	2.4	99	8.0	4.7	58.2	20.8	200.2	56.5	3.1	100	23.9	194.8	54.1	2.8	99	19.8	216.0	56.7	1.4	99
NK Brand N39-K7	98	C250	1	23.2	189.6	52.8	3.7	95	8.6	4.0	58.8	22.6	181.9	53.2	6.5	96	25.9	194.3	51.4	1.2	88	21.1	192.6	53.8	3.5	101
NK Brand N41-P1	99	C250	1,2,4	24.3	198.0	54.1	1.7	97	8.9	4.2	57.6	23.9	194.9	54.3	1.6	96	25.8	197.3	53.2	1.5	98	23.1	201.8	54.9	2.1	98
NK Brand N45-A6	100	C250	2,4	23.6	226.7	53.5	1.1	99	7.9	4.4	57.5	23.1	211.1*	53.8	0.3	100	25.8	239.3*	52.3	2.2	96	22.1	229.7*	54.4	0.7	100
PIONEER 37D26	98	P1250	1,2,4	23.6	218.5	54.1	1.3	98	8.3	3.7	58.7	22.5	214.4*	55.0	1.8	99	25.8	216.5	52.8	1.1	96	22.6	224.6	54.6	1.1	100
PIONEER 37F74	100	P1250	2,4,11	23.3	226.7	54.9	2.3	98	7.7	3.4	59.4	23.6	210.9*	55.2	3.7	96	24.9	239.8**	53.2	2.1	98	21.5	229.3*	56.4	1.1	100
PIONEER 37Y12	97	P1250	11	22.2	215.9	55.8	3.4	100	7.8	3.5	59.6	21.5	204.9*	56.4	3.1	100	24.2	216.9	54.5	4.2	99	21.0	226.0*	56.5	2.8	100
PIONEER 38R86	97	P1250	1,2,4,11	24.4	192.6	54.3	0.8	81	9.2	3.8	57.2	23.9	193.2	54.8	0.4	82	25.6	178.4	53.2	0.5	77	23.8	206.1	54.9	1.7	84
RENK RK488YGCBB	97	C250	2	21.9	214.7	56.1	0.7	98	7.8	4.5	58.5	21.5	223.2*	56.6	0.0	97	23.9	211.1	54.8	1.1	97	20.3	209.8	57.0	1.1	99
RENK RK575YGPL	99	C250	2,3	22.1	213.5	54.5	0.5	100	8.1	3.6	59.6	21.3	212.3*	55.2	0.3	100	24.8	205.0	52.8	1.1	99	20.4	223.2	55.4	0.0	99
RENK RK632RRYGPL	100	C250	1,2,3	23.8	205.6	54.9	1.1	85	8.2	4.2	59.2	23.0	209.0*	55.1	0.3	90	25.7	200.7	53.8	0.4	81	22.7	207.1	55.7	2.5	85
RENK RK772YGCBB	104	C250	2	24.4	215.4	53.5	1.3	99	8.2	4.6	57.8	23.8	217.3*	53.7	1.0	100	26.8	208.1	52.0	1.4	98	22.6	220.8	54.7	1.4	100
RUPP XR17609	101	C250		26.6	211.9	52.5	3.8	100	7.3	3.4	60.9	26.5	204.0*	52.0	7.4	100	28.6	201.7	52.2	1.8	100	24.6	230.1*	53.2	1.1	100
RUPP XR8626	100	C250	2	24.2	221.3	54.8	1.3	99	7.8	4.0	59.2	23.3	211.7*	55.7	2.5	100	26.1	234.4*	53.5	0.0	100	23.2	217.7	55.1	1.4	98
TRELAY 4B268	96	P250	2	21.7	205.6	57.3	0.6	100	7.7	4.5	58.5	20.8	193.7	58.7	0.0	100	24.9	210.5	54.9	1.9	90	19.5	212.5	58.2	1.8	100
TRELAY 5K106	100	P250	1,2,3	23.7	215.8	54.7	0.8	96	8.3	4.1	58.7	23.9	207.0*	53.3	0.1	100	24.9	215.9	54.4	1.9	90	22.3	224.5	56.4	0.4	100
TRELAY 5N503	100	P250	1,2	23.8	216.7	54.8	1.5	98	7.5	4.1	59.0	22.7	218.8*	55.5	0.8	100	26.0	213.5	53.4	2.8	96	22.8	217.7	56.7	1.1	98
TRELAY 7560YGCBB	100	P250	2	24.2	229.5*	52.3	1.1	98	7.7	4.0	58.6	24.4	219.6*	51.0	1.1	97	26.3	237.4*	51.6	1.8	98	21.9	231.6*	54.4	0.4	100
AVERAGE				23.8	212.9	54.5	2.0	96	8.1	3.9	59.1	23.3	207.8	54.6	2.3	97	26.1	214.2	53.2	1.8	94	21.9	216.6	55.6	1.9	97
HIGHEST				26.6	236.2	57.3	4.9	100	9.2	4.7	61.1	26.5	230.4	58.7	8.2	100</										

2 Year Averages		LATE TRIAL AVERAGE						% QUALITY			HURON - LATE			MASON - LATE			MONTCALM - LATE							
BRAND / HYBRID	RM TRT Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strech	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 1700	100 P250	22.0	198.8	55.8	1.8	97	8.9	4.0	58.5	19.8	174.4	56.5	3.0	99	23.4	206.6	55.4	1.3	97	22.8	215.5	55.6	1.2	96
BAYSIDE 2103	103	23.0	215.0	54.6	5.2	96	8.1	3.6	59.4	20.9	192.0	55.7	5.7	99	24.7	233.5*	53.6	1.0	93	23.5	219.6	54.6	8.9	94
BROWN 5636	98 C250	23.0	205.6	54.4	3.2	90	8.2	3.5	59.7	21.0	182.0	55.5	3.8	92	24.3	220.7	53.7	0.6	90	23.7	213.9	54.1	5.4	88
CROPLAN 421RR/BI	101 C250 1,2	21.4	224.2*	57.5	0.7	97	8.3	4.1	58.6	19.1	199.6*	58.3	1.0	97	23.2	235.1*	56.6	0.4	97	21.8	238.0*	57.7	0.6	88
DAIRYLAND STEALTH-5497	98 P250 2	20.0	208.0	56.8	0.8	94	7.4	4.3	58.9	18.6	181.7	57.4	1.0	89	21.2	212.1	55.7	0.4	94	20.2	230.3	57.3	1.1	99
GREAT LAKES 4689BRR	96 P250 1,2	22.4	211.2	57.0	1.9	94	8.3	4.2	58.5	20.0	192.9	58.0	2.2	97	25.0	211.7	55.5	1.9	91	22.2	229.1	57.5	1.7	95
NK Brand N41-P1	99 C250 1,2,4	22.3	198.6	55.5	1.5	98	8.7	4.1	58.1	20.6	185.6	56.3	1.9	97	23.2	199.3	54.7	0.9	98	23.1	210.8	55.6	1.6	98
NK Brand N45-A6	100 C250 2,4	20.9	222.8*	55.2	1.2	99	7.8	4.4	57.5	19.2	202.2*	55.7	1.6	100	22.7	234.9*	54.1	1.1	98	20.8	231.3	55.8	0.9	98
RENK RK488Y/GB	97 C250 2	20.0	213.3	57.1	1.0	96	7.8	4.5	58.6	18.3	204.9**	57.8	1.7	96	21.6	210.8	56.0	0.7	97	20.2	224.1	57.5	0.5	95
RENK RK772Y/GB	104 C250 2	22.0	217.7	54.8	1.0	98	7.8	4.4	58.1	20.1	197.0*	55.5	0.9	99	23.7	224.3	53.5	0.9	98	22.1	231.8	55.3	1.2	98
RUPP XR1609	101 C250	24.1	209.9	54.3	2.7	99	7.5	3.3	60.8	22.0	189.2	55.2	4.4	100	25.6	205.4	53.5	1.1	99	24.5	235.2*	54.3	2.5	98
TRELA 7560Y/GB	100 P250 2	21.8	227.8**	54.3	1.4	98	7.6	4.2	58.6	20.3	196.4*	54.5	1.8	95	23.3	242.2**	53.4	1.1	99	21.8	244.9**	55.1	1.3	100
AVERAGE		21.9	212.8	55.6	1.9	96	8.0	4.1	58.8	20.0	191.5	56.4	2.4	97	23.5	219.7	54.6	0.9	96	22.2	227.1	55.9	2.2	96
HIGHEST		24.1	227.8	57.5	5.2	99	8.9	4.5	60.8	22.0	204.9	58.3	5.7	100	25.6	242.2	56.6	1.9	99	24.5	244.9	57.7	8.9	100
LOWEST		20.0	198.6	54.3	0.7	90	7.4	3.3	57.5	18.3	174.4	54.5	0.9	89	21.2	199.3	53.4	0.4	90	20.2	210.8	54.1	0.5	88
CV (%)		3.9	6.1	1.3	134	4	4.3	6.6	1.2	4.1	6.0	1.5	134	3	3.3	6.2	1.1	103	5	3.1	5.8	1.1	144	4
LSD (5%)		0.4	6.1	0.3	1.3	2	0.3	0.2	0.6	0.8	10.0	0.7	2.6	3	0.7	11.1	0.5	1.3	4	0.6	10.6	0.5	2.5	3

3 Year Averages		LATE TRIAL AVERAGE						% QUALITY			HURON - LATE			MASON - LATE			MONTCALM - LATE							
BRAND / HYBRID	RM TRT Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strech	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 1700	100 P250	23.4	191.9	54.6	1.8	98	8.8	3.9	58.7	21.9	165.0	54.5	2.3	99	25.9	194.2	53.3	1.7	97	22.4	216.4	56.0	1.4	97
BROWN 5636	98 C250	24.5	199.0	53.3	2.8	93	8.2	3.4	59.5	23.5	170.2	53.2	3.0	94	26.8	208.4	52.2	0.7	93	23.1	218.6	54.6	4.6	92
DAIRYLAND STEALTH-5497	98 P250 2	21.5	198.9	55.1	1.4	96	7.5	4.4	58.6	21.1	173.5	54.9	1.8	92	23.3	202.6	53.8	0.4	96	20.3	220.5	56.7	2.1	99
NK Brand N45-A6	100 C250 2,4	22.7	210.9*	53.7	1.5	99	7.9	4.5	57.3	22.4	183.1**	53.2	1.5	100	24.9	219.5*	52.4	1.1	97	20.7	230.0*	55.5	1.8	99
RUPP XR1609	101 C250	25.9	201.3	52.9	2.1	99	7.6	3.4	60.5	24.7	176.2*	53.0	3.4	100	28.0	199.2	51.9	1.0	100	25.0	228.4*	53.9	2.0	98
TRELA 7560Y/GB	100 P250 2	23.6	212.6**	53.1	3.3	98	7.8	4.3	58.3	23.5	182.1*	52.3	1.3	97	25.3	222.3**	52.0	1.8	99	22.0	233.5**	55.1	6.7	100
AVERAGE		23.6	202.4	53.8	2.1	97	8.0	4.0	58.8	22.8	175.0	53.5	2.2	97	25.7	207.7	52.6	1.1	97	22.3	224.6	55.3	3.1	97
HIGHEST		25.9	212.6	55.1	3.3	99	8.8	4.5	60.5	24.7	183.1	54.9	3.4	100	28.0	222.3	53.8	1.8	100	25.0	233.5	56.7	6.7	100
LOWEST		21.5	191.9	52.9	1.4	93	7.5	3.4	57.3	21.1	165.0	52.3	1.3	92	23.3	194.2	51.9	0.4	93	20.3	216.4	53.9	1.4	92
CV (%)		4.0	5.7	1.3	132	4	4.1	6.1	1.2	4.4	5.6	1.4	120	3	3.4	5.7	1.2	124	4	3.3	5.6	1.2	140	4
LSD (5%)		0.4	4.7	0.3	1.1	1	0.2	0.2	0.5	0.7	7.5	0.5	1.8	2	0.6	8.2	0.4	1.3	3	0.5	8.3	0.4	2.2	2

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

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

BRAND / HYBRID	RM	TRT	Trait	TRIAL AVERAGE				% QUALITY			ALPENA			GRAND TRAVERSE			DELTA - LATE										
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strech	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd						
				24.7	159.2	54.1	2.2	96	9.3	3.5	57.8	27.5	190.0	52.6	1.1	95	23.2	114.7	55.3	1.1	96						
BAYSIDE 1541RR	81		1	23.8	152.9	54.6	1.4	98	8.8	3.5	57.9	27.0	177.2	52.6	0.4	99	22.6	114.0	56.4	1.5	99	21.7	167.4	54.7	2.4	95	
BAYSIDE 2090	90			23.9	152.8	54.1	1.6	97	8.9	3.9	57.7	27.0	185.1	52.2	1.1	99	22.8	109.0	55.7	1.1	97	21.9	164.4	54.5	1.9	99	
BAYSIDE 3731RR	86		1	23.1	139.4	55.0	1.6	99	8.8	3.8	58.8	24.2	168.1	54.7	1.1	99	21.6	94.7	54.9	3.3	98	23.5	155.5	55.4	0.4	99	
BAYSIDE 5075RR	78		1	25.2	132.1	54.8	2.1	91	8.6	3.2	59.0	26.6	165.8	53.5	1.2	90	24.8	100.9	54.9	1.5	96	24.3	129.5	56.1	3.6	86	
BAYSIDE S084RR	84	P250	1	22.6	157.6	53.7	3.4	99	8.3	4.7	56.9	25.3	184.1	52.0	1.1	99	19.7	119.0	55.1	3.2	100	22.8	169.6	54.1	5.8	99	
BAYSIDE Super 80	80	P250		25.3	171.5	53.7	1.5	96	8.9	4.0	58.0	28.9	217.8	51.9	0.0	98	21.6	116.1	56.1	3.3	97	25.3	180.5	53.0	1.2	92	
CROPLAN 296TS	91	C250	1,2,3	26.5	181.1	52.8	0.9	99	8.4	4.2	57.6	29.6	225.7	52.0	0.0	98	24.9	131.8	53.9	1.1	99	25.0	185.8	52.6	1.5	100	
CROPLAN 314RR/Bt	92	C250	1,2	25.2	158.3	53.4	0.9	98	8.3	3.6	59.7	26.3	194.2	52.3	0.0	100	23.7	104.1	54.1	1.5	96	25.6	176.6	53.9	1.2	99	
DAIRYLAND DST-8711Bt	89	P250	2	25.0	154.8	54.0	2.6	99	9.1	4.1	57.6	26.4	177.6	53.1	2.5	100	24.4	112.8	54.4	3.7	98	24.3	173.9	54.6	1.6	99	
DAIRYLAND STEALTH-7184	85	P250	1,2	25.7	164.2	53.7	0.9	97	8.4	3.8	58.4	26.3	197.0	53.0	0.0	97	26.4	115.3	53.6	2.2	98	24.5	180.4	54.4	0.4	96	
DEKALB DKC38-33 (RR2YGCB)	88	P250	1,2	26.4	175.7	53.1	1.2	99	8.1	4.2	58.5	27.9	207.6	52.3	0.0	99	25.9	130.8	54.1	2.5	100	25.3	188.6	52.8	1.2	98	
DEKALB DKC40-08 (RR2YGCB)	90	P250	1,2	27.6	175.4	51.5	0.1	99	9.3	4.3	56.6	29.5	209.3	51.3	0.0	99	28.0	126.5	51.3	0.4	97	25.4	190.5	51.8	0.0	100	
DEKALB DKC41-64 (RR2YGCB)	91	P250	1,2	27.0	176.0	52.1	0.6	98	8.5	4.0	58.1	30.0	215.9	51.2	0.0	97	25.6	132.9	53.1	1.1	99	25.4	179.3	52.1	0.8	99	
DEKALB DKC42-88 (RR2YGPL)	92	P250	1,2,3	29.3	174.8	50.3	0.9	95	8.3	3.9	58.3	31.5	209.2	50.7	0.0	99	29.1	143.9	50.5	1.9	97	27.2	171.2	49.6	0.8	89	
DEKALB DKC44-92 (RR2)	94	P250	1	27.5	176.1	50.9	1.8	94	8.2	4.1	57.8	30.5	214.1	50.0	0.0	99	26.1	127.1	52.5	3.0	92	25.8	187.2	50.3	2.4	97	
DYNAGRO 53F09	94	P250	2	27.6	173.5	51.1	0.7	91	8.4	4.2	57.8	30.1	215.7	50.8	0.4	94	26.5	133.9	52.5	0.4	91	26.3	170.9	49.9	1.2	88	
DYNAGRO 53G01	94	P250	1,3	27.2	160.5	52.4	1.1	79	8.6	4.1	57.6	29.7	193.0	52.0	0.0	84	25.9	118.7	53.1	0.4	83	26.1	169.7	51.9	2.9	70	
DYNAGRO 53P30	92	P250	1,2	28.9	171.5	50.9	1.3	90	9.3	4.1	57.4	30.7	213.1	52.1	0.0	84	28.4	120.4	50.9	1.8	95	27.6	180.9	49.8	2.0	92	
DYNAGRO 54P55	95	P250	1,2	27.2	171.4	51.9	1.1	99	8.6	4.0	58.0	30.0	213.4	51.1	0.4	99	26.2	112.4	52.3	2.2	99	25.5	188.3	52.2	0.7	100	
GARST 8921YG/IRR	92	C250	1,2	24.4	157.2	53.9	1.4	95	9.3	3.6	58.0	25.9	191.2	52.7	0.0	98	23.8	107.7	55.2	1.5	95	23.4	172.5	53.9	2.6	92	
GOLDEN HARVEST H-6466GB/GT	89	C250	1,2	26.7	168.1	53.5	0.7	100	8.7	3.8	57.8	28.3	205.6	52.9	0.0	100	26.2	122.6	53.7	1.8	100	25.5	176.1	53.8	0.4	100	
INTEGRA SEED INT6788RB	88	P250	1,2	27.7	185.2	51.1	0.3	98	7.7	4.4	58.1	30.4	228.2	50.3	0.4	98	25.8	133.5	52.4	0.0	98	26.8	194.0	50.5	0.4	99	
LASER L-7H07Bt	95	C250	2	25.6	146.2	52.4	0.8	81	8.5	3.7	59.0	27.4	182.3	51.3	0.0	85	24.2	105.1	53.7	1.0	77	25.1	151.2	52.1	1.4	80	
LEGACY EX870	87	P250		24.1	161.6	54.1	0.5	100	8.8	3.6	58.9	25.1	192.5	53.8	0.0	100	23.8	111.6	54.2	0.0	99	23.4	180.6	54.2	1.5	100	
LEGACY EX881	88	P250		25.3	158.5	53.9	0.8	98	9.5	3.9	57.4	28.2	190.0	51.9	0.4	97	24.2	113.4	54.9	0.7	98	23.5	172.1	54.8	1.4	100	
MYCOGEN 2P172	84	C250	1	22.6	146.5	55.9	2.6	99	8.6	3.8	58.9	24.6	175.1	54.0	4.4	98	20.4	113.1	57.8	1.1	100	22.7	151.4	56.0	2.3	98	
NK Brand N18-F2	84	C250		24.1	163.7	54.0	0.9	98	8.9	4.2	57.8	26.8	201.5	52.8	0.0	99	21.5	110.6	55.3	2.7	96	24.1	179.1	54.0	0.0	99	
NK Brand N23-F7	88	C250	2,4	27.1	155.9	51.9	2.0	79	8.3	4.0	57.6	30.9	194.4	51.7	0.0	88	23.2	118.0	54.0	4.8	88	27.3	155.1	50.0	1.3	61	
NK Brand N29-A2	92	C250	2,4	26.4	163.3	51.6	2.0	92	9.4	3.8	57.9	30.7	202.1	50.7	0.4	94	23.3	114.2	52.9	2.9	85	25.2	173.6	51.1	2.7	97	
PIONEER 38K46	93	P250	11	25.2	166.8	52.3	2.8	93	8.3	3.6	58.0	27.0	181.1	51.6	1.9	93	23.6	125.8	53.0	3.7	94	24.9	163.5	52.4	2.8	92	
PIONEER 38R50	91	P250		24.4	125.5	54.3	2.4	79	8.8	3.5	59.2	26.3	148.2	53.1	1.3	84	22.0	100.1	55.9	2.9	86	25.0	128.2	53.8	2.9	66	
RENK RK244	84	C250	2,4	27.4	169.6	51.7	0.9	97	8.6	3.9	58.0	30.0	222.7	51.5	0.0	98	26.4	119.9	52.5	1.6	92	25.8	166.2	51.0	1.1	100	
RENK RK43RRYGPL	92	C250	1,2,3	25.4	164.1	53.3	0.7	88	8.4	4.0	58.5	29.0	188.7	51.7	0.0	84	22.3	123.6	55.3	2.1	87	24.9	180.0	52.9	0.0	92	
TRELAY 2N553	90	P250	1,2	24.3	161.1	53.9	1.0	98	8.9	4.3	57.1	28.8	191.2	52.4	0.0	94	22.2	115.3	55.1	1.8	99	23.8	176.7	54.1	1.1	100	
WOLF RIVER VALLEY 2482RR/Bt	82		1,2	27.4	176.2	52.0	1.3	89	9.0	4.1	57.2	30.2	208.7	51.5	0.0	89	25.9	141.7	52.7	1.1	96	26.0	178.2	51.9	2.7	83	
WOLF RIVER VALLEY 2490RR/Bt	90		1,2	25.8	162.2	53.0	1.4	94	8.7	3.9	58.0	28.1	196.6	52.1	0.5	95	24.3	118.2	54.0	1.8	95	24.8	171.7	52.9	1.7	93	
AVERAGE				29.3	185.2	55.9	3.4	100	9.5	4.7	59.7	31.5	228.2	54.7	4.4	100	29.1	143.9	57.8	4.8	100	27.6	194.0	56.1	5.8	100	
HIGHEST				22.6	125.5	50.3	0.1	79	7.7	3.2	56.6	24.2	148.2	50.0	0.0	84	19.7	94.7	50.5	0.0	77	21.7	128.2	49.6	0.0	61	
LOWEST				3.1	5.6	1.3	133	4	4.3	6.8	1.1	2.3	4.8	1.2	233	4	3.9	8.5	1.3	100	4	2.8	4.5	1.3	129	5	
CV (%)				0.5	6.1	0.5	1.2	3	1.0	0.8	1.8	0.9	13.2	1.8	3.4	11	1.3	28.2	1.0	5.2	10	1.0	21.5	0.9	3.1	12	
LSD (5%)																											

2 Year Averages	TRIAL AVERAGE			% QUALITY			ALPENA			GRAND TRAVERSE			DELTA - LATE														
	BRAND /HYBRID	RM	TRT	Trait	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
BAYSIDE 1541RR	81			1	23.6	147.4	55.1	1.0	97	9.2	3.8	58.4	24.5	166.3	54.7	0.6	98	22.4	127.3	55.8	0.4	96	23.8	148.6	54.8	2.1	98
BAYSIDE 2090	90				23.0	146.1	55.4	1.3	98	8.7	3.3	58.9	24.4	149.3	54.7	0.7	99	21.6	127.6	56.9	1.0	97	23.1	161.4	54.7	2.3	98.0
BAYSIDE Super 80	80	P250			22.1	151.5	54.7	2.2	94	8.3	4.6	58.4	22.9	165.9	54.4	1.0	99	20.3	128.4	55.5	2.1	88	23.2	160.2	54.2	3.5	96
CROPLAN 314RR/BT	92	C250	1,2		25.7	174.7	53.2	0.6	99	8.1	4.0	59.0	26.9	189.9	53.2	0.0	99	24.6	151.1	53.9	0.8	99	25.6	183.1	52.6	0.9	100
GARST 8921YG1/RR	92	C250	1,2		26.0	167.9	52.9	0.6	99	8.5	4.2	58.6	27.0	181.2	52.8	0.1	99	24.8	140.4	53.5	1.3	97	26.2	182.1	52.4	0.5	100
MYCOGEN 2P172	84	C250	1		23.9	150.7	55.0	0.6	99	9.3	3.8	58.4	25.0	174.2	54.4	0.4	98	23.0	123.1	55.7	0.8	98	23.6	154.7	55.0	0.7	100
NK Brand N18-F2	84	C250			22.1	141.5	56.8	2.1	96	8.6	3.9	59.6	22.6	155.3	56.4	3.7	97	20.5	125.5	57.9	0.8	92	23.1	143.8	56.0	1.7	98
AVERAGE					23.8	154.3	54.7	1.2	97	8.7	3.9	58.8	24.8	168.9	54.4	0.9	98	22.5	131.9	55.6	1.0	96	24.1	162.0	54.2	1.7	98
HIGHEST					26.0	174.7	56.8	2.2	99	9.3	4.6	59.6	27.0	189.9	56.4	3.7	99	24.8	151.1	57.9	2.1	99	26.2	183.1	56.0	3.5	100
LOWEST					22.1	141.5	52.9	0.6	94	8.1	3.3	58.4	22.6	149.3	52.8	0.0	97	20.3	123.1	53.5	0.4	88	23.1	143.8	52.4	0.5	96
CV (%)					3.3	6.4	1.2	125	4	4.0	6.2	1.1	2.5	5.4	1.1	26.2	3	3.6	9.0	1.3	97	5	3.4	5.4	1.3	108	3.7
LSD (5%)					0.4	4.9	0.3	0.7	2	0.3	0.2	0.5	0.6	8.4	0.5	1.2	3	0.7	9.2	0.6	1.3	4	0.7	7.5	0.6	1.4	2.9

3 Year Averages	# TRIAL AVERAGE			% QUALITY			ALPENA			GRAND TRAVERSE			DELTA - LATE														
	BRAND /HYBRID	RM	TRT	Trait	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
BAYSIDE 1541RR	81			1	25.3	139.1	54.0	1.0	98	9.4	3.7	58.1	27.2	155.8	52.7	0.5	98	23.4	122.3	55.2	1.4	97					
BAYSIDE 2090	90				25.7	129.7	54.1	0.9	99	9.0	3.4	58.4	28.5	137.4	52.0	0.6	99	22.8	121.9	56.2	1.1	98					
BAYSIDE Super 80	80	P250			24.2	139.0	53.2	2.8	96	8.6	4.6	57.9	26.5	152.7	52.0	0.8	99	21.9	125.2	54.4	4.8	92					
NK Brand N18-F2	84	C250			24.0	134.9	55.9	2.7	97	8.9	3.8	59.3	25.7	148.6	54.5	3.2	98	22.3	121.2	57.2	2.2	95					
AVERAGE					24.8	135.7	54.3	1.9	98	9.0	3.9	58.4	27.0	148.6	52.8	1.3	99	22.6	122.6	55.8	2.4	96					
HIGHEST					25.7	139.1	55.9	2.8	99	9.4	4.6	59.3	28.5	155.8	54.5	3.2	99	23.4	125.2	57.2	4.8	98					
LOWEST					24.0	129.7	53.2	0.9	96	8.6	3.4	57.9	25.7	137.4	52.0	0.5	98	21.9	121.2	54.4	1.1	92					
CV (%)					3.3	6.2	1.2	149	4	4.1	6.2	1.2	3.0	4.9	1.0	28.1	3	3.5	8.2	1.2	138	4					
LSD (5%)					0.4	4.0	0.3	0.9	1	0.2	0.2	0.5	0.6	6.1	0.4	0.9	2	0.6	6.7	0.5	1.8	3					

Delta Late not included

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TRAIT CODES FOR HYBRID TRAITS

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

Code Num.	Traits & Resistant Events
1	Glyphosate
2	European Corn Borer
3	Corn Rootworm
4	Liberty Link
5	Clearfield
6	IMI, IT, IR,
7	Brown Mid Rib
8	Leafy
9	High Oil
10	Waxy
11	HTF High Total Fermentable
12	HAE High Available Energy
13	HES High Extractable Starch
14	Other

TRT	Seed Treatment	Chemical Rate
C125	No Seed Insecticide Applied	
C125	Cruiser® 125	0.125 mg Thiamethoxan per kernel
C250	Cruiser® 250	0.250 mg Thiamethoxan per kernel
C1250	Cruiser® 1250	1.25 mg Thiamethoxan per kernel
P250	Poncho® 250	0.25 mg Clothianidin per kernel
P1250	Poncho® 1250	1.25 mg Clothianidin 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

2006

BRAND / HYBRID	RM	TRT	Trait	TRIAL AVERAGE				% QUALITY				ALGER				DELTA - EARLY					
				%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 1541RR	81		1	24.7	154.3	52.4	1.9	99	9.2	3.6	57.5	28.0	145.1*	49.5	0.4	99	21.4	163.5	55.3	3.4	99
BAYSIDE S075RR	78		1	24.6	139.0	53.4	1.7	98	8.8	4.0	59.1	26.6	135.0*	51.1	1.8	96	22.5	143.0	55.7	1.4	100
BAYSIDE Super 80	80	P250		23.5	151.8	52.2	3.2	100	8.4	4.7	56.9	26.3	141.3*	49.4	3.4	99	20.7	162.2	55.0	2.9	100
DAIRYLAND STEALTH-5475	75	P250	2	23.6	118.2	54.3	10.4	82	10.2	5.6	55.5	24.5	100.3	52.4	17.4	74	22.7	135.9	56.1	3.4	90
DYNAGRO 51G25	84	P250	1,3	23.9	129.1	52.0	3.1	76	8.6	4.2	57.9	26.0	114.5	48.6	1.8	72	21.7	143.7	55.4	4.4	81
DYNAGRO 52P81	85	P250	1,2	27.4	163.2**	50.9	2.3	98	8.5	3.3	58.2	30.3	136.4*	48.0	3.8	99	24.4	189.9**	53.7	0.7	97
JUNG 7202RRYGPL	83	P250	1,2,3	26.4	157.5*	51.1	0.2	100	8.6	3.9	58.1	29.2	146.4**	47.6	0.0	99	23.5	168.6	54.5	0.4	100
NK Brand N15-A9	80	C250		24.2	132.9	52.7	2.5	79	7.8	3.5	59.4	27.2	124.2	49.6	2.5	72	21.2	141.5	55.7	2.4	85
NK Brand N18-F2	84	C250		24.0	135.1	53.3	1.9	95	8.2	4.0	58.6	26.3	129.6	50.4	1.4	94	21.6	140.6	56.2	2.4	96
NK Brand N21-L4	86	C250		25.9	138.8	52.2	4.2	95	8.0	3.8	58.2	28.7	120.2	49.0	6.5	91	23.0	157.3	55.3	1.8	100
PIONEER 38B12	88	P1250	11	26.4	142.8	49.9	2.0	95	8.6	3.8	57.3	29.3	131.6*	46.6	1.4	91	23.3	153.9	53.1	2.5	99
PIONEER 38W22	92	P1250	2,4,11	26.5	152.0	52.9	1.1	79	8.9	3.6	58.2	28.8	130.2	49.7	1.8	71	24.2	173.8	56.0	0.4	87
PIONEER 39A94	82	P250		24.8	122.5	51.4	3.7	82	8.4	3.2	58.6	27.4	110.9	48.5	4.9	78	22.1	134.0	54.2	2.4	86
PIONEER 39D81	84	P250	1,11	24.1	137.7	53.4	3.1	97	8.4	3.4	57.8	25.7	130.4	50.7	3.0	97	22.4	145.0	56.1	3.2	97
PIONEER 39F61	78	P250	2	24.2	111.7	55.0	4.6	71	9.9	4.1	55.3	25.3	111.9	53.8	6.8	62	23.0	111.5	56.1	2.3	81
SPANGLER 1303	82			23.4	143.2	53.5	2.4	100	8.2	3.3	58.8	26.0	128.9	50.8	2.9	100	20.8	157.5	56.1	1.9	100
SPANGLER 150LG	82	C250	2,4	24.3	140.3	53.0	1.7	84	8.4	3.8	57.6	26.8	117.4	50.1	1.8	75	21.7	163.1	55.9	1.6	92
WOLF RIVER VALLEY 2482RR/Bt	82		1,2	25.7	159.6*	51.7	1.5	98	8.6	4.2	57.3	28.4	138.4*	48.3	2.2	96	22.9	180.8*	55.1	0.7	100
AVERAGE				24.9	140.5	52.5	2.9	90	8.6	3.9	57.8	27.3	127.4	49.7	3.5	87	22.4	153.7	55.3	2.1	94
HIGHEST				27.4	163.2	55.0	10.4	100	10.2	5.6	59.4	30.3	146.4	53.8	17.4	100	24.4	189.9	56.2	4.4	100
LOWEST				23.4	111.7	49.9	0.2	71	7.8	3.2	55.3	24.5	100.3	46.6	0.0	62	20.7	111.5	53.1	0.4	81
CV (%)				3.9	7.5	1.6	86	6	3.8	6.1	1.1	4.1	8.5	1.9	78	7	3.2	6.7	1.1	96	4
LSD (5%)				0.8	8.8	0.7	2.0	4	0.5	0.7	0.9	1.6	15.5	1.4	7.9	9	1.0	14.8	1.8	2.9	5

2 Year Averages

BRAND / HYBRID	RM	TRT	Trait	TRIAL AVERAGE				% QUALITY				ALGER				DELTA - EARLY					
				%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
NK Brand N18-F2	84	C250		23.7	134.9	54.7	2.1	95	8.8	3.9	58.9	24.9	132.9*	53.3	2.1	95	22.5	136.8	56.1	2.0	95
PIONEER 38B12	88	P1250	11	25.2	141.0**	51.6	1.8	98	9.3	3.8	57.3	26.6	141.6**	50.0	1.9	95	23.8	140.4*	53.1	1.6	100
SPANGLER 1303	82			23.5	137.4*	54.5	1.8	100	8.6	3.3	59.0	25.3	130.0	53.0	2.5	100	21.6	144.8**	55.9	1.0	100
AVERAGE				24.1	137.8	53.6	1.9	98	8.9	3.7	58.4	25.6	134.8	52.1	2.2	97	22.6	140.7	55.0	1.5	98
HIGHEST				25.2	141.0	54.7	2.1	100	9.3	3.9	59.0	26.6	141.6	53.3	2.5	100	23.8	144.8	56.1	2.0	100
LOWEST				23.5	134.9	51.6	1.8	95	8.6	3.3	57.3	24.9	130.0	50.0	1.9	95	21.6	136.8	53.1	1.0	95
CV (%)				4.2	7.3	1.5	102	5	3.9	6.2	1.1	4.1	8.5	1.6	99	6	3.7	6.1	1.2	89	4
LSD (5%)				0.6	6.0	0.5	1.6	3	0.3	0.2	0.5	0.9	9.1	0.7	2.8	4	0.7	7.6	0.6	1.4	3

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- 3 Year Data Not Available For Zone 5 Grain.

TABLE B.

AGRONOMIC TABLE FOR GRAIN TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	LENAWEE	May 1	Oct. 31	Soybean	28,512	28,084	154 - 49 - 40
	BRANCH	April 27	Oct. 19	Corn	30,096	27,538	166 - 33 - 27
	CASS	April 24	Oct. 18	Soybean	28,512	23,950	224 - 56 - 24
Zone 2	KENT	April 25	Oct. 20	Corn	28,512	27,780	158 - 49 - 139
	INGHAM	May 4	Oct. 24	Soybean	30,096	28,892	194 - 49 - 40
	SAGINAW & GR	April 28	Oct. 20	Soybean	28,512	26,872	149 - 49 - 40
Zone 3	HURON & GR	April 26	Oct. 26	Sugar Beets	28,512	27,728	162 - 38 - 31
	MONTCALM	May 9	Nov. 8	Potato / Rye	28,512	27,372	193 - 22 - 18
	MONTCALM GR	April 29	Oct. 25	Corn	28,512	26,944	168 - 49 - 40
	MASON	May 9	Nov. 7	Corn	28,512	26,659	72 - 16 - 13 +Manure
Zone 4	ALPENA	May 8	Oct. 9	Corn	27,720	26,334	150 - 49 - 40
	GRAND TRAVERSE	May 9	Nov. 7	Corn	27,720	26,334	69 - 33 - 27
	DELTA	May 8	Nov 6	Corn	26,131	24,432	105 - 49 - 40
Z5	ALGER	May 8	Nov. 6	Corn	23,760	20,671	105 - 49 - 40 +Manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	LENAWEE	Lenawee Silty Clay loam	pH 6.5 P 52, K 180	Jason Woods	Britton
	BRANCH	Fox Sandy Loam	pH 7.4 P 107, K 98	Kyle Huff	Coldwater
	CASS	Kalamazoo Loam	pH 6.4 P 63, K 152	Dave & Mel Cripe	Cassopolis
Zone 2	KENT	Spinks Loamy Sand	pH 6.9 P 82, K 151	Pleasant Acres Farm Gerald Kayser	Caledonia
	INGHAM	Capac Loam	pH 6.4 P 40, K 119	Jorgensen Farms Jerry Jorgesen & Mike Turner	Williamston
	SAGINAW & GR	Park Hill Loam	pH 6.5 P 46, K 130	Lee Siler	Merrill
Zone 3	HURON & GR	Kilmanagh Loam	pH 7.0 P 86, K 197	Wil-Le Farms William, Ron & Ed McCrea	Bad Axe
	MONTCALM	McBride Sandy Loam	pH 6.0 P 215, K 168	Troy Sackett	Edmore
	MONTCALM GR	Montcalm - McBride Sandy Loam	pH 5.6 P 171, K 110	Montcalm Research Farm, MSU	Entrican
	MASON	Ogemaw Sandy Loam	pH 6.7 P 135, K 162	Robert & August Oshe	Scottville
Zone 4	ALPENA	Onaway Loam	pH 7.3 P 41, K 149	Corby & Fred Werth	Alpena
	GRAND TRAVERSE	Karlin Sandy Loam	pH 6.2 P 164, K 119	Richard Dennett	Buckley
	DELTA	Onaway Sandy Loam	pH 6.3 P 97, K 82	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.3 P 53, K 155	Upper Peninsula Experiment Station, MSU	Chatham

TABLE 6E. HURON, MONTCALM & SAGINAW COUNTY GLYPHOSATE GRAIN TRIALS - EARLY (97 Day and Earlier) ZONE 2 - 3

BRAND / HYBRID	RM	TRT	EARLY TRIAL AVERAGE					% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
			%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 5072RR	93	1	21.8	196.1	55.8	3.2	96	7.7	3.7	60.8	21.6	180.6	55.0	7.8	98	23.1	212.0*	54.4	1.1	93	20.8	195.6	57.9	0.7	98	20.8	195.6	57.9	0.7	98
BAYSIDE 5095RR	95	P250	22.8	171.3	55.2	2.6	91	8.4	3.7	58.8	23.0	167.2	54.9	5.4	96	24.4	178.4	53.6	1.2	84	21.1	168.4	57.0	1.2	93	21.1	168.4	57.0	1.2	93
BAYSIDE 5518RR	95	P250	22.4	193.1	55.2	2.3	94	8.0	3.8	59.8	22.9	172.2	54.6	4.9	99	23.9	219.3*	53.8	0.4	91	20.5	187.7	57.3	1.5	92	20.5	187.7	57.3	1.5	92
BAYSIDE 6094YGCBBRR	94	P250	21.1	206.0*	55.0	0.5	91	7.8	4.0	59.5	21.3	204.6*	56.2	0.4	90	23.1	207.6*	54.1	0.8	84	18.8	205.8	57.6	0.4	90	18.8	205.8	57.6	0.4	90
CROPLAN 364RR	96	C250	20.9	202.5	56.9	2.8	95	7.5	4.4	58.9	21.3	198.3*	56.8	7.6	96	22.2	215.9*	54.8	0.0	93	19.1	193.4	59.2	0.7	96	19.1	193.4	59.2	0.7	96
CROPLAN 3688RB	97	C250	22.1	203.8	56.3	0.5	85	8.0	4.3	59.3	21.8	200.5*	57.2	0.4	97	24.7	203.2*	53.4	1.0	69	19.7	207.7*	58.3	0.0	89	19.7	207.7*	58.3	0.0	89
DEKALB DKC41-64 (RR2/YGCB)	91	P250	20.3	198.8	57.8	1.2	99	7.7	4.0	59.2	20.6	182.1	58.1	2.1	100	21.7	218.5*	56.5	0.4	97	18.5	195.9	61.6	1.1	99	18.5	195.9	61.6	1.1	99
DEKALB DKC42-88 (RR2/YGPL)	92	P250	20.6	196.3	57.0	1.3	97	8.1	4.0	59.3	21.2	189.2	56.5	1.8	100	21.9	208.9*	55.5	0.4	94	18.6	190.7	59.0	1.8	96	18.6	190.7	59.0	1.8	96
DEKALB DKC44-92 (RR2)	94	P250	21.3	198.4	56.5	3.7	94	7.4	3.6	60.2	21.0	195.1	56.7	6.8	98	23.4	216.4*	54.8	2.4	89	19.4	186.8	58.0	1.8	95	19.4	186.8	58.0	1.8	95
DEKALB DKC45-82 (RR2)	95	P250	21.5	195.0	57.5	2.6	98	7.7	4.0	59.6	21.4	176.9	57.7	3.9	100	22.8	216.7*	55.8	1.8	98	20.2	191.3	59.1	2.2	96	20.2	191.3	59.1	2.2	96
DEKALB DKC46-22 (RR2/YGPL)	96	P250	21.1	197.9	58.0	1.4	90	7.3	3.9	59.8	21.4	195.4	58.1	2.1	97	23.3	218.8*	56.0	1.6	85	18.7	181.6	59.9	0.4	87	18.7	181.6	59.9	0.4	87
DYNAGRO CX06000	97	P250	22.0	198.3	57.6	4.2	93	7.9	3.7	60.0	22.1	190.2*	57.3	8.2	98	24.0	217.0*	55.7	3.0	87	19.8	187.8	59.8	1.5	95	19.8	187.8	59.8	1.5	95
GARST 8921YGI/RR	92	C250	20.7	194.5	58.6	1.2	97	7.6	4.0	59.3	21.0	199.4*	59.1	2.1	100	23.3	204.0*	56.7	0.7	91	18.8	180.2	59.9	0.7	99	18.8	180.2	59.9	0.7	99
GREAT LAKES 4415BIRR	94	P250	21.6	211.5*	56.4	0.5	86	7.9	4.2	59.7	21.2	201.0*	56.9	1.6	93	22.5	221.6**	54.2	0.0	79	20.2	212.0*	58.2	0.0	86	20.2	212.0*	58.2	0.0	86
GREAT LAKES 4689BIRR	96	P250	22.8	214.5**	57.3	1.2	90	8.5	3.9	59.1	23.3	214.6**	56.3	1.9	97	24.2	205.7*	55.5	1.4	81	20.8	223.3**	60.1	0.4	92	20.8	223.3**	60.1	0.4	92
HYLAND SEEDS HLB33R	88	P250	21.0	190.4	58.8	0.9	93	7.3	3.5	61.2	21.5	187.0	58.6	1.6	95	22.5	200.1*	57.2	0.4	89	19.0	184.0	60.7	0.8	94	19.0	184.0	60.7	0.8	94
HYLAND SEEDS HLB43R	97	P250	22.8	203.9	56.3	0.9	89	8.0	3.6	60.0	23.3	189.0	54.4	1.2	93	23.8	213.7*	55.4	0.8	86	21.2	209.0*	59.1	0.8	88	21.2	209.0*	59.1	0.8	88
HYLAND SEEDS HLR231	88	P250	20.5	188.9	59.7	3.1	97	7.9	3.7	59.9	20.9	169.6	58.2	7.0	100	21.8	211.7*	59.5	1.1	96	18.7	185.5	61.4	1.1	96	18.7	185.5	61.4	1.1	96
HYLAND SEEDS HLR234	90	P250	20.7	198.0	57.1	2.7	99	7.7	4.6	59.0	21.0	187.2	56.8	6.3	100	22.0	220.7*	55.5	0.4	100	19.0	186.1	58.9	1.4	97	19.0	186.1	58.9	1.4	97
MIDWEST 45502	97	C250	23.0	210.7*	57.0	0.5	88	8.2	4.0	59.5	23.3	199.7*	57.0	1.1	94	24.5	213.8*	55.2	0.5	84	21.3	218.7*	58.7	0.0	86	21.3	218.7*	58.7	0.0	86
AVERAGE			21.6	198.5	57.1	1.9	93	7.8	3.9	59.6	21.8	190.0	56.8	3.7	98	23.2	211.1	55.4	0.9	89	19.7	194.6	59.1	0.9	93	19.7	194.6	59.1	0.9	93
HIGHEST			23.0	214.5	59.7	4.2	99	8.5	4.6	61.2	23.3	214.6	59.1	8.2	100	24.7	221.6	59.5	3.0	100	21.3	223.3	61.6	2.2	99	21.3	223.3	61.6	2.2	99
LOWEST			20.3	171.3	55.2	0.5	85	7.3	3.5	58.8	20.6	167.2	54.4	0.4	93	21.7	178.4	53.4	0.0	69	18.5	168.4	57.0	0.0	86	18.5	168.4	57.0	0.0	86
CV (%)			2.5	6.3	2.1	94	6	4.3	6.7	1.3	2.7	7.0	1.5	61	4	2.6	5.8	2.2	170	7	2.1	5.8	2.3	131	6	2.1	5.8	2.3	131	
LSD (5%)			0.4	8.5	0.8	1.2	4	0.9	0.7	2.3	0.8	18.9	1.2	6.4	5	0.8	34.7	3.5	4.6	18	0.6	16.2	3.9	3.4	15	0.6	16.2	3.9	3.4	15

BRAND / HYBRID	RM	TRT	EARLY TRIAL AVERAGE					% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
			%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 5072RR	93	1	19.6	197.7	56.6	3.5	98	8.5	4.2	65.4	18.6	178.3	56.3	5.5	99	21.6	207.9	55.3	1.5	96	18.7	207.0	58.1	3.6	99	18.7	207.0	58.1	3.6	99
BAYSIDE 5518RR	95	P250	20.1	195.9	56.7	2.3	94	8.6	3.9	65.3	19.7	169.1	56.4	3.0	97	21.8	211.2	55.5	0.8	93	18.9	207.4	58.1	3.1	93	18.9	207.4	58.1	3.1	93
CROPLAN 364RR	96	C250	19.4	209.1	57.5	3.0	98	7.9	4.8	64.2	18.7	200.2*	57.7	7.1	98	21.0	219.8*	56.0	0.4	97	18.5	207.4	58.7	1.5	98	18.5	207.4	58.7	1.5	98
GARST 8921YGI/RR	92	C250	18.8	200.6	59.1	1.6	98	8.1	4.4	64.3	18.4	189.8	59.4	3.6	99	20.2	207.0	58.1	0.4	95	17.7	205.1	59.9	0.7	99	17.7	205.1	59.9	0.7	99
GREAT LAKES 4689BIRR	96	P250	20.5	216.8**	58.3	1.2	94	8.7	4.3	64.7	19.5	203.9**	58.2	2.0	98	22.6	210.0	56.5	1.2	88	19.3	236.4**	60.1	0.3	95	19.3	236.4**	60.1	0.3	95
HYLAND SEEDS HLR234	90	P250	18.8	205.2	57.9	2.2	99	8.1	5.1	64.1	18.3	188.7	57.9	4.4	99	20.3	223.2**	56.8	0.5	99	17.8	203.6	59.0	1.7	98	17.8	203.6	59.0	1.7	98
AVERAGE			19.5	204.2	57.7	2.3	97	8.3	4.5	64.7	18.9	188.3	57.6	4.2	99	21.2	213.2	56.4	0.8	95	18.5	211.1	59.0	1.8	97	18.5	211.1	59.0	1.8	97
HIGHEST			20.5	216.8	59.1	3.5	99	8.7	5.1	65.4	19.7	203.9	59.4	7.1	99	22.6	223.2	58.1	1.5	99	19.3	236.4	60.1	3.6	99	19.3	236.4	60.1	3.6	99
LOWEST			18.8	195.9	56.6	1.2	94	7.9	3.9	64.1	18.3	169.1	56.3	2.0	97	20.2	207.0	55.3	0.4	88	17.7	203.6	58.1	0.3	93	17.7	203.6	58.1	0.3	93
CV (%)			2.6	5.7	1.5	117	4	4.7	6.7	1.3	2.8	6.6	1.2	91	3	2.6	5.2	1.6	134	5	2.0	5.3	1.7	137	5	2.0	5.3	1.7	137	
LSD (5%)			0.3	5.5	0.4	1.1	2	0.3	0.2	0.7	0.5	10.4	0.6	2.7	3	0.5	9.0	0.8	1.1	4	0.3	8.9	0.8	1.5	4	0.3	8.9	0.8	1.5	4

BRAND / HYBRID	RM	TRT	EARLY TRIAL AVERAGE					% QUALITY					HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2							
			%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 5072RR	93	1	21.3	193.9**	54.9	2.8	98	8.4	4.2	63.3	21.5	169.0**	53.7	4.3	99	22.2	206.3**	54.6	1.5	97	20.2	206.4**	56.5	2.7	99	20.2	206.4**	56.5	2.7	99

HYBRID INDEX FOR GRAIN TRIALS

The 273 hybrids submitted for testing by 31 seed companies (33 brand names) resulted in 420 individual entries in the 2006 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
AGRIGOLD HYBRIDS	RM Tables	CORN BELT HYBRIDS	RM Tables	MONSANTO	RM Tables
AGRIGOLD A6225BtRR	98 2E	CORN BELT C435YGCB	93 2E	DEKALB DKC38-33 (RR2/YGCB)	88 4
AGRIGOLD A6285BtRWRR	100 2E	CORN BELT C599HX1.L	110 1L	DEKALB DKC40-08 (RR2/YGCB)	90 4
AGRIGOLD A6310Bt	103 2L	CORN BELT x5813YGPL/RR2	108 1L	DEKALB DKC41-64 (RR2/YGCB)	91 3E,4,6E
AGRIGOLD A6325RWRR	104 1E			DEKALB DKC42-88 (RR2/YGPL)	92 3E,4,6E
AGRIGOLD A6394Bt	107 1E	CROPLAN GENETICS		DEKALB DKC44-92 (RR2)	94 3E,4,6E
AGRIGOLD A6395BtRWRR	107 1E	CROPLAN 296TS	91 4	DEKALB DKC45-82 (RR2)	95 3E,6E
AGRIGOLD A6474BtRW	111 1L	CROPLAN 314RR/Bt	92 4	DEKALB DKC46-22 (RR2/YGPL)	96 2E,3E,6E
AGRIGOLD XA5600CL	103 2L	CROPLAN 364RR	96 3E,6E	DEKALB DKC48-53 (RR2/YGCB)	98 2E,3L,6L
		CROPLAN 3688RB	97 3E,6E	DEKALB DKC51-39 (RR2/YGPL)	101 2L,3L,6L
MONSANTO		CROPLAN 421RR/Bt	101 2E,3L,6L	DEKALB DKC52-40 (RR2/YGPL)	102 1E,2L,3L,6L
ASGROW RX674RR2	109 1L	CROPLAN 4421RR	100 2L,3L,6L	DEKALB DKC52-63 (RR2/YGCB)	102 2L,3L,6L
ASGROW RX715RR2/YGCB	111 1L	CROPLAN 491TS	102 2E	DEKALB DKC54-46 (RR2/YGPL)	104 1E,2L,6L
		CROPLAN 5002RR	103 2L	DEKALB DKC55-12 (YGCB)	105 1E,2L
BAYSIDE SEEDS, LLC		CROPLAN 576BtCL	107 2L	DEKALB DKC57-79 (RR2/YGPL)	107 1E,2L,6L
BAYSIDE 1700	100 2E,3L	CROPLAN 5891RR	107 1E	DEKALB DKC61-45 (RR2/YGCB)	111 1L
BAYSIDE 2090	90 3E,4			DEKALB DKC61-68 (RR2/YGRW)	111 1L
BAYSIDE 2103	103 2L,3L	CROW'S HYBRID CORN COMPANY			
BAYSIDE 4105	105 2L,3L	CROWS 1707B	96 2E	UAP DISTRIBUTION, INC.	
BAYSIDE 6096	96 2E,3L	CROWS 2121S	101 2L	DYNAGRO 51G25	84 5
BAYSIDE 1541RR	81 4,5	CROWS 4222S	106 1E,2L	DYNAGRO 52P81	85 5
BAYSIDE 2103YGCBRR	103 1E,2L,3L,6L	CROWS 4843X	109 1L	DYNAGRO 53F09	94 3E,4
BAYSIDE 3731RR	86 4	CROWS 4981R	110 1L	DYNAGRO 53G01	94 3E,4
BAYSIDE 4095YGCB	95 2E,3E			DYNAGRO 53K69	96 2E,3L
BAYSIDE 5072RR	93 2E,3E,6E	DAIRYLAND SEED CO., INC.		DYNAGRO 53P30	92 3E,4
BAYSIDE 5095RR	95 2E,3E,6E	DAIRYLAND DST-11724Bt	113 1L	DYNAGRO 54P55	95 3E,4
BAYSIDE 5518RR	95 2E,3E,6E	DAIRYLAND DST-8711Bt	89 3E,4	DYNAGRO 55B02	101 2L,3L
BAYSIDE 6094YGCBRR	94 2E,3E,6E	DAIRYLAND STEALTH-1598	98 2E	DYNAGRO 55B65	105 1E,2L
BAYSIDE S075RR	78 4,5	DAIRYLAND STEALTH-1612	112 1L	DYNAGRO 55P86	105 1E,2L,3L,6L
BAYSIDE S084RR	84 4	DAIRYLAND STEALTH-1806	106 1E,2L	DYNAGRO 56X89	107 1E
BAYSIDE Super 105	105 2L	DAIRYLAND STEALTH-4009	111 1L	DYNAGRO 57B47	111 1L
BAYSIDE Super 80	80 4,5	DAIRYLAND STEALTH-5007	107 1E	DYNAGRO CX05200	100 2E,3L
BAYSIDE Super 93	93 2E,3E	DAIRYLAND STEALTH-5194	94 3E	DYNAGRO CX06000	97 2E,3L,6E
		DAIRYLAND STEALTH-5201	101 2L		
BECK'S SUPERIOR HYBRIDS		DAIRYLAND STEALTH-5204	104 1E,2L	GARST SEED COMPANY	
BECK 5222	108 1L	DAIRYLAND STEALTH-5475	75 5	GARST 8452CB/LL	112 1L
BECK 5244RR	106 1E	DAIRYLAND STEALTH-5497	98 2E,3L	GARST 8528YG1/IT	107 1E
BECK 5444RR	110 1L	DAIRYLAND STEALTH-5503	105 1E,2L	GARST 8535YG1/IT	107 1E
		DAIRYLAND STEALTH-5611	111 1L	GARST 8676IT	104 1E,2L
BROWN SEED FARMS, INC.		DAIRYLAND STEALTH-6006	106 1E,2L	GARST 8688GT	104 2L,6L
BROWN 5636	98 2E,3L	DAIRYLAND STEALTH-7184	85 4	GARST 8689IT	104 2L
BROWN 3000YGCB	90 3E	DAIRYLAND STEALTH-7201	101 3L	GARST 8693CB/LL	105 1E,2L
BROWN 5232RRYGPlus	98 2E,3L			GARST 8880YG1	95 2E,3E
BROWN 5636RRYGCB	100 2E,3L			GARST 8921YG1/RR	92 3E,4,6E
BROWN 6810Bt11/LL	108 1L			GARST 8922YG1	90 3E

GOLDEN HARVEST SEEDS	RM Tables	LEGACY - Continued	RM Tables	PIONEER - Continued	RM Tables
GOLDEN HARVEST H-6466CB/GT	89 4	LEGACY 46H67	96 2E	PIONEER 39D81	84 5
GOLDEN HARVEST H-7935Hx	103 2L,3L	LEGACY 46M94	100 2E	PIONEER 39F61	78 5
GOLDEN HARVEST H-8473	107 1E	LEGACY EX870	87 3E,4		
GOLDEN HARVEST H-8920	111 1L,2L	LEGACY EX881	88 3E,4	RENK SEED COMPANY	
				RENK RK244	84 4
GREAT LAKES HYBRIDS		MIDWEST SEED GENETICS		RENK RK438RRYGPL	92 3E,4
GREAT LAKES 4415BtRR	94 3E,6E	MIDWEST 4S502	97 3L,6E	RENK RK488YGCB	97 3L
GREAT LAKES 4689BtRR	96 2E,3L,6E	MIDWEST 71101T	102 2L,3L,6L	RENK RK575YGPL	99 2E,3L
GREAT LAKES 5195Bt	101 2L	MIDWEST 76172S	107 2L,6L	RENK RK632RRYGPL	100 2E,3L
GREAT LAKES 5377 G3	103 2L,6L			RENK RK644YGCB	104 2L
GREAT LAKES 5416RR	104 2L,6L	MYCOGEN SEEDS		RENK RK772YGCB	104 1E,2L,3L
GREAT LAKES 5711BtRR	107 1E,2L,6L	MYCOGEN 2D555	103 2L	RENK RK789YGPL	110 1L
GREAT LAKES 6202Bt	112 1L	MYCOGEN 2P172	84 4	RENK RK870RRYGPL	112 1L
		MYCOGEN 2R421	96 3L		
GRIES SEED FARMS, INC.		MYCOGEN 2R426	96 2E	RUPP SEEDS, INC.	
GRIES EX6090	90 1E	MYCOGEN 2T336	92 3E	RUPP XR1609	101 3L
GRIES EX6094	94 1E			RUPP XR1612	102 2L
GRIES EX6104	104 1E	SYNGENTA SEEDS		RUPP XR8045	109 1L
GRIES EX6106	106 1E	NK Brand N15-A9	80 5	RUPP XR8579	94 2E,3E
		NK Brand N18-F2	84 4,5	RUPP XR8624	102 1E,2L
HYLAND SEEDS		NK Brand N21-L4	86 5	RUPP XR8626	100 1E,2E,3L
HYLAND SEEDS HL2368	90 2E,3E	NK Brand N23-F7	88 4	RUPP XR8656	106 1E
HYLAND SEEDS HL2492	98 2E	NK Brand N29-A2	92 3E,4	RUPP XR8744	109 1L
HYLAND SEEDS HL2515	100 2E	NK Brand N3030Bt	93 3E	RUPP XR8758	98 2E
HYLAND SEEDS HL2676	104 2L	NK Brand N34-F1	94 3E	RUPP XR8765	89 2E,3E
HYLAND SEEDS HL2677	104 2L	NK Brand N35-B8	95 3E	RUPP XR8772	92 2E,3E
HYLAND SEEDS HLB266	88 3E	NK Brand N39-K7	98 2E,3L,6L		
HYLAND SEEDS HLB282	92 2E,3E	NK Brand N41-P1	99 2E,3L,6L	SEED CONSULTANTS, INC.	
HYLAND SEEDS HLB295	101 2L	NK Brand N45-A6	100 2E,3L	SEED CONSULTANTS SC1076	107 1E
HYLAND SEEDS HLB332	103 2L	NK Brand N48-R3	103 1E,2L	SEED CONSULTANTS SC10B36	103 1E
HYLAND SEEDS HLB337	104 2L	NK Brand N51-Z7	104 1E,2L	SEED CONSULTANTS SC10B94	109 1L
HYLAND SEEDS HLB33R	88 3E,6E	NK Brand N53-W3	105 1E,2L,6L	SEED CONSULTANTS SC10BL96	109 1L
HYLAND SEEDS HLB344	104 2L	NK Brand N58-L8	106 2L,6L	SEED CONSULTANTS SC10BR46	104 1E
HYLAND SEEDS HLB43R	97 2E,3L,6E	NK Brand N60-B8	110 1L	SEED CONSULTANTS SC10H27	102 1E
HYLAND SEEDS HLB52R	101 2L,3L,6L	NK Brand N61-K6	108 1L	SEED CONSULTANTS SC10MT87	108 1L
HYLAND SEEDS HLR231	88 3E,6E	NK Brand N65-C5	109 1L	SEED CONSULTANTS SC11BL07	110 1L
HYLAND SEEDS HLR234	90 2E,3E,6E				
HYLAND SEEDS JUXXIN	90 2E,3E	PARTNERS BRAND		SPANGLER SEEDTECH, INC	
HYLAND SEEDS LAXXOT Bt	98 2E	PARTNERS BRAND 410RRYGPlus	90 3E	SPANGLER 1303	82 5
		PARTNERS BRAND 442BT11	94 3E	SPANGLER 150LG	82 5
INTEGRA SEED		PARTNERS BRAND 456RR	95 3E		
INTEGRA SEED INT6395R	95 3E	PARTNERS BRAND 479RRYGCB	100 2E	TRELAY SEED COMPANY	
INTEGRA SEED INT63F90RB	92 3E	PARTNERS BRAND 505	102 2L	TRELAY 7560YGCB	100 2E,3L
INTEGRA SEED INT6602RB	102 2L	PARTNERS BRAND 520HX1	102 2L	TRELAY 2N553	90 3E,4
INTEGRA SEED INT6698RB	98 2E	PARTNERS BRAND 578	108 1L	TRELAY 4B268	96 2E,3L
INTEGRA SEED INT6788RB	88 3E,4	PARTNERS BRAND 596RR	109 1L	TRELAY 4N627	98 2E
INTEGRA SEED INT9452	95 3E	PARTNERS BRAND 610YGCB	110 1L	TRELAY 5B353	100 2E
INTEGRA SEED INT9462B	96 3L	PARTNERS BRAND PB46G02-ex	102 2L	TRELAY 5K106	100 2E,3L
INTEGRA SEED INT9541RB	104 1E,2L			TRELAY 5N503	100 2E,3L,6L
		PIONEER HI-BRED INTERNATIONAL		TRELAY 5N749	102 2L,6L
JUNG SEED GENETICS, INC.		PIONEER 34A18	109 1L	TRELAY 6N664	107 1E
JUNG 3432YGCB	95 3E	PIONEER 34P89	112 1L	TRELAY 7N269	109 1L
JUNG 5572YGCB	103 1E,2L	PIONEER 35A31	105 1E,2L	TRELAY 8K339	113 1L
JUNG 7202RR/YGPL	83 5	PIONEER 35D29	108 1L		
JUNG 7422RR/YGCB	98 2E	PIONEER 35F38	104 1E,2L	TRISLER SEED FARMS, INC.	
JUNG 7425RR/YGPL	96 3L	PIONEER 36K69	103 1E,2L	TRISLER T-2390HX	99 1E
JUNG 7437RR/YGPL	94 3E	PIONEER 36W67	103 2L	TRISLER T-2475RRCB	100 1E
		PIONEER 36Y84	103 1E,2L	TRISLER T-2744CB	102 1E
GOLDEN HARVEST SEEDS		PIONEER 37D26	98 3L	TRISLER T-2745RR	102 1E
LASER L-7H07Bt	95 2E,3E,4	PIONEER 37F74	100 2E,3L	TRISLER T-2850RRCB	105 1E
LASER L-7H67Bt/RR	99 2E,3L,6L	PIONEER 37Y12	97 3L		
		PIONEER 38B12	88 5	WELLMAN SEEDS, INC.	
LEGACY BRAND HYBRIDS, INC.		PIONEER 38B86	97 3L	WELLMAN W2602	102 1E
LEGACY 44D45	106 1E	PIONEER 38K46	93 4		
LEGACY 44K74	107 1E	PIONEER 38R50	91 4	WOLF RIVER VALLEY SEEDS	
LEGACY 45B75	104 2L	PIONEER 38W22	92 5	WOLF RIVER VALLEY 2482RR/Bt	82 4,5
LEGACY 45M91	105 1E	PIONEER 39A94	82 5	WOLF RIVER VALLEY 2490RR/Bt	90 4

2006

Soil Fertility Update: Corn Nitrogen Response Trials

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The recent increases in N fertilizer costs have driven renewed interest in evaluating producer N management practices for corn. Current Michigan N recommendations for corn are based on response data collected in the 1980's. Since that time, advancements in corn genetics, insect and weed management, and production practices have affected corn yield response to N. Efficient use of N fertilizer for corn production is essential to maximizing economic return for the producer and minimizing adverse effects on groundwater quality and emission of greenhouse gases. Improvement of the Michigan corn N recommendation will require collection of additional N response data due to the lack of this data from recent Michigan research studies. An understanding of the factors affecting corn yield and yield response to N fertilizer in Michigan is important to providing effective N management recommendations over a wide range of soil-climate conditions, maximizing profitability, and minimizing negative environmental impacts. To address this issue, a series of corn N-response trials were initiated for the 2006 growing season. Eight study locations were evaluated in 2006, including three sites on MSU research farms and five sites located on producer fields. Experimental sites were located in a manner that provided a representation of the major soil associations common to Michigan corn production. For the 2006 study, all sites except Ingham (CC, continuous corn) were managed as a corn/soybean rotation. Treatments consisted of iterations of N fertilizer (urea preplant-incorporated, 28% UAN sidedress injected) as indicated in Table 1 (on-farm sites did not include the split treatments, but the entire N rate at Huron, Sanilac, and Tuscola was applied as UAN at sidedress), and were replicated four times. Plant growth was evaluated and corn grain yield determined at each site. Table 2 shows the response of corn to N at these sites in 2006, and provides

a comparison of different approaches for determining the optimum N rate to apply (N rate based on maximum agronomic yield vs. economic optimum yield), as well as a performance evaluation for the pre-sidedress soil nitrate test (PSNT).

Table 1. Nitrogen fertilizer treatments for corn N response evaluation.

Treatment	Rate at planting	Sidedress rate
----- lbs N/ac -----		
Control	0	0
40	40	0
80	80	0
120	120	0
160	160	0
160 (sidedress)	0	160
80 (split)	20	60
120 (split)	20	100
160 (split)	20	140

The PSNT was an effective tool for adjusting N rates at these locations in 2006. With the exception of the Tuscola County site, which had a clover cover crop, the PSNT-adjusted N rate was 6 to 42 lb N/ac greater than the agronomic yield-optimum N rate (YONR, maximum yield), and was 18 to 50 lb N/ac greater than the economic optimum N rate (EONR). While the PSNT did over-recommend N relative to the YONR and EONR, use of the PSNT resulted in reduced N rates compared with the current MSU N recommendation. The EONR was less than the rate needed to provide maximum yield at all sites and resulted in only slight reductions in crop yield (max. econ. yield vs. max. yield, Table 2). Based on these results, the EONR provided the maximum return on the fertilizer N investment at these sites in 2006. Additional sites will be implemented for the 2007 growing season for continued evaluation and potential change to the MSU N recommendation for corn.

Table 2. Corn yield response to nitrogen fertilizer in 2006.

Location	Max. Yield	MSU N Rec.	PSNT Credit	PSNT Adj. N Rec.	Yield Opt. N Rate	PSNT Adj. N Rec. - Opt. N Rate	Max. Econ. Yield	Econ. Opt. N Rate (EONR)	PSNT Adj. N Rec. - EONR
	bu/ac						bu/ac		
----- lbs N/ac -----									
Branch	190	201	-	-	148	-	189	132	-
Hillsdale	188	199	-	-	165	-	187	145	-
Huron	218	240	54	186	144	42	217	136	50
Ingham CC	199	244	39	205	178	27	198	163	42
Ingham CS	199	214	50	164	156	8	198	141	23
Saginaw	201	216	54	162	156	6	200	144	18
Sanilac	192	204	44	160	142	18	191	130	30
Tuscola	187	184	120	64	157	-93	185	123	-59

2006

Weed Science Update for Corn

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There are three new corn herbicide additions to the 2007 MSU Weed Guide (E-434). Limited research has been conducted with these products at MSU, therefore how these herbicides perform and persist in Michigan's environment is not completely studied. The new additions are:

- **Impact**- a newly registered HPPD inhibiting (similar to *Callisto*) herbicide for post emergence control of broadleaves in corn. Most recommendations suggest using atrazine at 0.25 to 0.5 lb a.i. with *Impact* to enhance the control of on most broadleaves, especially larger weeds. The maximum use rate is 0.75 oz/A, however at this rate, the crop rotation restriction for soybean is 18 months in Michigan. At a use rate of 0.5 oz/A, soybean can be planted in 9 months. It is recommended that methylated seed oil (MSO) or crop oil concentrate (COC) and liquid nitrogen (UAN) or AMS are used. *Impact* will provide greater suppression of grasses when compared to *Callisto* post emergence, however it is recommended to include a grass herbicide if grass weed control is needed.
- **Resolve**- Rimsulfuron (an ingredient in *Basis* and *Steadfast*) for pre and post emergence control of annual grasses and some broadleaves. Atrazine at 0.5-1.0 lb a.i./A tank mixed with *Resolve* often improves control of broadleaved weeds (except triazine resistant weeds), especially larger weeds. A typical use rate for preemergence and postemergence is 1 oz/A with a nonionic surfactant (NIS) and UAN or AMS added to the postemergence applications.
- **Stout**- a premix of *Accent* and *Harmony* GT for postemergence grass and broadleaved weed control. The use rate is 0.75 oz/A along with COC and UAN or AMS.

Two corn herbicides were removed from the Weed Guide because their respective companies have discontinued their production. Those products were: *Accent Gold*- (premix of *Accent*, *Resolve*, and *Hornet*) from DuPont and *Liberty ATZ*- (premix of *Liberty* and atrazine for use in LL corn) from Bayer.

There are a couple corn height restriction changes for two Syngenta corn herbicides. The height restriction for *Lumax* was increased to a maximum corn height of 12" and the height restriction for *Camix* increased to a maximum corn height of 30" (except for sweet corn).

Finally, questions arose last year about methods to kill failed glyphosate-resistant corn before a replant. The herbicide options for removing a failed glyphosate-resistant corn planting before replant include: *Gramoxone Inteon* and *Liberty*. Both of these herbicides likely will not provide 100% control and the results will vary based on corn size and environmental conditions. Several growers asked about using one of the ACCase inhibiting herbicides (*Select*, *Select Max*, *Poast*, *Assure II*, *Targa*, *Fusilade DX*) to remove the failed glyphosate-resistant corn. Research is being conducted to assess the use of some of these products, however current label restrictions require 30 to 120 days (depending on product) before replant back to corn.

Stewart's Wilt widely reported on field corn in Michigan

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Stewart's wilt (also known as Stewart's disease) is a disease of corn, caused by a bacterium, (*Pantoea (Erwinia) stewartii*) carried in the digestive tract of the corn flea beetle. It is transmitted to corn plants during feeding by corn flea beetles (CFB) carrying the disease.

Although Stewart's wilt is usually considered a problem only on seed corn inbreds and sweet corn, it was widely reported on field (dent) corn in Michigan late in the season, in August and September of 2006. Late this summer, symptoms appeared on field corn leaves as long, narrow yellow streaks that later turned brown. Sometimes entire leaves in the top portion of the plant were killed. In fields where damage was more extensive, stalk rots were also reported. The stalk rots are not caused by the Stewart's wilt bacterium, but injury from Stewart's wilt makes the corn plants more prone to stalk rots caused by fungi. At the time of this writing, corn harvest has not yet taken place, and the effect on yield has not been determined. It appears that in most cases, the disease affected primarily foliage.

Although Stewart's wilt is common in the United States, it only periodically reaches levels high enough to cause serious economic loss in field corn. It has not been a recent problem in Michigan. Whether or not it will be a problem in Michigan on field corn in 2007 is unknown. CFB populations were high in some corn fields this fall. If Michigan has mild winter weather, and sufficient numbers of beetles harboring the bacterium survive overwinter, growers could experience early season infection of corn seedlings in the 2007 growing season. Several predictive models based on average air temperatures during December, January and February have been developed to help determine the risk of Stewart's wilt, but these models haven't always proved reliable.

As overwintering beetles carrying the Stewart's wilt bacterium emerge from the upper few inches of soil in areas near farm fields, they feed on weeds and grasses until corn seedlings emerge. Once the seedlings emerge,

the beetles move to begin feeding on corn foliage, and deposit bacteria (in feces) in the feeding wounds. Repeated feeding re-infects the corn plant at additional sites, worsening the infection. Beetles that feed on infected plant tissue become carriers for the bacterium, spreading the disease even further. In the seedling stages, the bacteria produce (systemic) infections that spread through the whole plant, causing stunting, wilting or death. Stewart's wilt is most serious when it infects corn seedlings, but can infect corn plants at any stage of development. Leaf blights, as described earlier, occur more commonly on adult plants later in the season, usually after pollination. Severe case of leaf blight can reduce yields and increase susceptibility to other diseases, such as stalk and root rots.

Unlike sweet corn, there does not seem to be much university-based research available about field corn hybrids that show tolerance to Stewart's wilt. Field corn hybrids haven't necessarily been selected for resistance to Stewart's wilt, as it hasn't been considered a problem in northern-grown hybrids. Seed corn dealers may have more specific information about which of the field corn hybrids they carry show tolerance to Stewart's wilt. There are no known cultural practices to reduce the disease. Seed treatments with systemic insecticides may be of benefit to reduce early season-feeding by CFB, but will not last the entire season. As mentioned earlier, whether or not Stewart's wilt will re-appear as a problem in field corn next year is unknown. Scout fields for the presence of flea beetles soon after corn plants begin to emerge. Pay particular attention to the edges of fields adjacent to grassy areas and ditch banks, as that is where CFB will be found first, as they move from their overwintering locations. As the growing season gets underway in 2007, we'll keep you up-to-date on CFB activity and Stewart's wilt, through the Field CAT Alerts, and Extension web sites.

New for 2006: Analysis of Hybrid Ethanol Yield

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Department of Crop and Soil Sciences
Michigan State University

Ethanol production plants are expected to become an increasing user of corn grain grown in Michigan. Given the state's capacity for ethanol processing, as much as 40% of Michigan's corn production will likely be channeled through ethanol plants in the very near future. It is clear that Michigan is positioned as a leader in developing this new industry. Our history as the automotive manufacturer for the nation, our strong agricultural industry, and our proximity to population centers and liquid fuel demand clearly put Michigan at the forefront in developing alternative fuels.

Ethanol yield from corn grain depends upon several characteristics including: the amount of starch in the grain; the ratio of amylopectin and amylose in the starch; and the amount and quality of fiber in the grain. During the coming winter months, our lab here at Michigan State University will be analyzing corn grain samples from the hybrid field trials conducted this past growing season for ethanol yield. Because the analytical process is very time consuming the results were not available in time for publication with this written report. However, as we complete analyses this winter the results will be posted on the MSU Hybrid Trials Website: www.css.msu.edu/varietytrials/. In the future we will be working to develop a quick and accurate method of determining ethanol yield using near infra-red (NIR) spectrophotometry. This technology will allow us to publish the ethanol yield analytical results in a timely manner with the rest of the hybrid yield information.

There are several reasons why information on individual hybrid ethanol yield is important to Michigan corn growers. The seed industry has long been breeding and developing hybrids for grain yield. However, the industry is in its infancy with regard to developing hybrids based on ethanol yield. Given the current efficiencies of genetic engineering and marker assisted breeding, significant advancements in the genetic potential for ethanol yield are expected and likely in the near future. Michigan growers will need information on new corn hybrid genetics with regard to ethanol yield so they can make informed decisions on seed purchases.

Given the ethanol production capacity in Michigan, even a modest increase in hybrid ethanol yield would have a significant impact on total ethanol produced. With an estimated maximum capacity of 257 million gallons from the 5 operational or near operational plants in Michigan, an incremental increase in hybrid ethanol yield of just 4% (which is possible with current hybrid genetic variability) translates to over 10 million additional gallons of ethanol produced! With genetic advancements in hybrid ethanol yield, that difference will increase significantly in the future. Increases in the genetic potential of corn grain for producing ethanol will translate to increased efficiency for the ethanol production plants which in turn, will make ethanol much more competitive as an alternative to petroleum based fuels.

Selecting corn hybrids for silage: considering yield and quality

Mike Allen

Department of Animal Science

Farm profitability is greatly affected by differences in yield and quality among corn hybrids used for silage production. However, choosing the best hybrids is difficult because many factors must be considered such as forage dry matter (DM) yield, seed cost, and several different quality traits. The best way to rank corn hybrids for silage on your farm is to use a partial budget approach. CornPicker for Silage is an Excel spreadsheet developed to calculate a partial budget for evaluating the effect of a change in corn hybrids for silage on farm profits. CornPicker allows you to compare a "Challenger" hybrid that you are considering growing to a "Defender" hybrid, which is your current favorite (or a reference standard). The calculations include only those costs and returns that change in

response to the two hybrids being compared and ignore those not affected. Input variables include data about the specific hybrids related to yield and quality, relevant farm practices, as well as prices (e.g. for milk, corn grain, and soybean meal). CornPicker output is an estimate of the production cost of the "Challenger" hybrid compared with the "Defender". The important quality factors that must be considered when comparing corn hybrids for silage include the concentration and *in vitro* digestibility of neutral detergent fiber (NDF), corn grain endosperm type (floury or vitreous), and the concentration of crude protein. These are briefly described below.

SILAGE SELECTION - CONTINUED ON NEXT PAGE

SILAGE SELECTION - CONTINUED FROM PAGE 31

NDF concentration. NDF is a measure of the total insoluble fiber of feeds and is related inversely to grain concentration in corn silage (*i.e.*, corn silage with a high grain concentration has a low concentration of NDF and vice versa). The NDF concentration of corn hybrids ranges from less than 38% of DM to more than 50% of DM. Concentration differences in NDF (and grain) among corn silages normally are compensated for by altering the concentration of corn grain in rations. Energy concentration of corn grain in silage is assumed to be the same as supplemented dry corn grain. Therefore, differences in energy concentration among hybrids due to differences in grain concentration can be compensated for by varying the ratio of corn grain to corn silage in rations. In the end, silage NDF concentration will not affect feed intake or milk yield as long as diets are formulated properly. Concentrations of corn silage and corn grain in different rations, and therefore the amounts of each fed annually on the farm, are directly proportional to differences in NDF concentrations of corn hybrids. Less corn silage is required (but more corn grain is supplemented) for corn hybrids with higher NDF concentrations and vice versa. CornPicker accounts for the difference in NDF concentrations between the corn hybrids being compared and how supplemental feed costs and land required for corn silage production are affected.

Forage NDF digestibility. Greater forage NDF digestibility significantly increased DM intake (DMI) and milk yield of lactating cows across a wide range of forages. A one-unit increase in forage NDF digestibility was associated with a 0.55 lb increase in 4% fat-corrected milk yield (FCM). Normal commercial corn hybrids vary by about 5 percentage units of *in vitro* NDF digestibility (IVNDFD) when averaged over many growing environments; for the brown midrib hybrids this variation is increased by about another 5 percentage units increasing the total range to about 10 percentage units. These relatively small differences in IVNDFD can have large effects on animal performance. Assuming corn silage is the only forage fed, a 5-percentage unit difference in IVNDFD between two corn hybrids should result in a difference in 4% FCM yield of 2.75 lb/cow per day. CornPicker accounts for the effect of forage NDF digestibility on milk yield and feed intake when evaluating corn hybrids for silage.

Starch. Corn grain contains about 70% starch, therefore corn silage starch concentration, like grain concentration, is related inversely to the concentration of NDF (*i.e.*, if NDF concentration is high, starch concentration is low). Starch is located in the endosperm of corn grain, and endosperm type (floury or vitreous) affects starch digestibility. Proportions of vitreous and floury endosperm vary among corn hybrids and by maturity at harvest. Floury endosperm is easily seen as a fine white powder

when dry corn is ground. Vitreous endosperm (sometimes called "flinty" endosperm) is observed as yellow grits when ground. Starch in vitreous endosperm is resistant to digestion, so extent of starch digestion is related negatively to the vitreousness of the endosperm. Increasing maturity at harvest increases vitreousness and decreases starch digestibility.

For corn grain in silage, starch digestibility increases over time in the silo as the proteins in vitreous endosperm are dissolved. Corn hybrids with highly vitreous endosperm are more likely to have lower starch digestibility, especially during the first several weeks after ensiling. Currently, there is no quick, inexpensive way to measure starch digestibility in the laboratory, so this important hybrid trait cannot reliably be included in a partial budget until more information becomes available. However, it should be considered for hybrid selection. Information about endosperm vitreousness of corn hybrids should be available from individual seed companies and can be observed visually.

Crude protein (CP). Corn silage is normally supplemented with high-protein concentrates, such as soybean meal, to increase protein concentration of ruminant diets. Corn hybrids with higher CP concentrations require less supplemental protein, which can lower feed costs. The CP concentration of whole-plant corn varies by approximately 1.2 percentage units across corn hybrids, and CornPicker accounts for this variation by adjusting amounts of supplemental CP (*e.g.*, using soybean meal as a standard in the spreadsheet).

Summary

The partial budget approach employed by CornPicker accounts for economically important factors related to hybrid selection for corn silage that varies from farm to farm and over time. Selection indices that rank corn hybrids such as Milk per Acre and Milk per Ton fail to consider many important biological and cost differences related to nutritional quality of corn hybrids that vary among farms and should not be used because they may provide the wrong ranking for your farm. The initial time it takes to calculate accurate inputs for CornPicker will pay off by identifying the best hybrids to select for corn silage on your farm.

For more information on CornPicker see:

http://www.msu.edu/user/mdr/reprints/Jan06/MDR_reprint_january06_cornpicker.pdf

For more information on Milk per Acre see:

http://www.msu.edu/user/mdr/reprints/July05/MDR_reprint_july05_milkperacre.pdf

Download CornPicker:

<http://www.msu.edu.uer/mdr/>

2006 SILAGE PERFORMANCE TRIALS

Introduction

Nine Michigan locations across five zones (see map) contained 15 silage trials. The silage index (pg. 35) contains the list of 121 hybrids submitted by 27 seed companies (29 brand names) totaling 137 individual entries. Zones 1, 2, and 3 have two maturity groups "E" or "L" based on company RM. In cooperation with Ohio State University, the Wood County OH. location is planted and managed by OSU while MSU handles harvest, plus quality and data analysis.

County results are reported in the following tables:

Tables 7E/7L Zone 1 - Branch, Lenawee and Wood (OH)

Tables 8E/8L Zone 2 - Ingham, Kent and Huron (Zone 3)

Table 9 Zone 4 - Alpena, Osceola and Delta (L)

Table 10 Zone 5 - Delta (E) 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

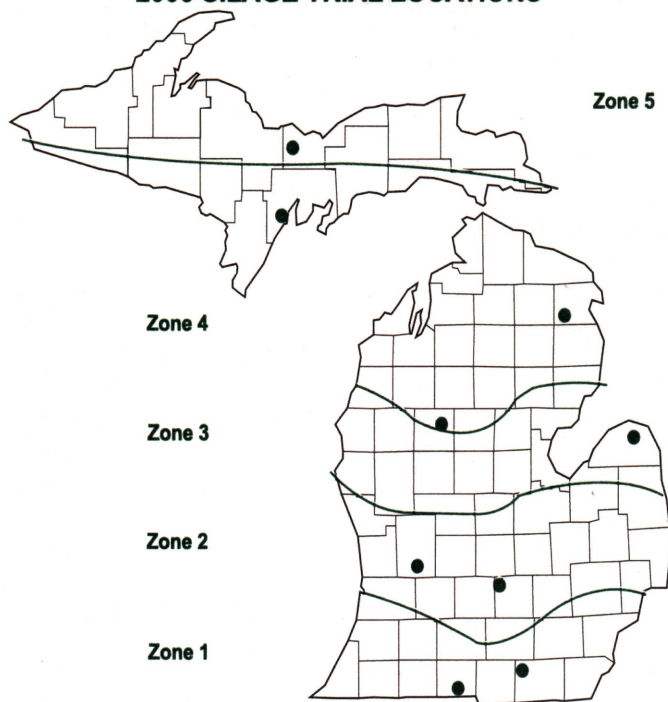
Testing procedures (randomization, replication, planting rates, etc.) for silage evaluation are the same as those utilized for the grain trials. For silage Agronomic information refer to Table C (pg. 34)

Silage plots were harvested with a two-row self-propelled forage harvester. Electronic scales mounted on the chopper measured plot weights. Total plot weight was used to calculate green tons per acre (**GT/A**). Sub samples of fodder plus grain were collected, weighed, oven dried until weight loss was zero, then weighed again to determine the percent dry matter (**%DM**). Dry tons per acre (**DT/A**) was 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

Tables 7E, 7L, 8E, 8L, 9 and 10 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 five quality traits are:

2006 SILAGE TRIAL LOCATIONS



- 1. IVD= (in vitro) digestible dry matter.** IVD is a measure of forage digestibility. Higher IVD is desirable.
- 2. ADF=acid detergent fiber.** ADF 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.** NDF 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.** NDFD is the portion of neutral detergent fiber digested by animals at a specified level of feed intake. High NDFD is desirable.

TABLE C.

AGRONOMIC TABLE FOR SILAGE TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	BRANCH	April 27	Sept. 6,16	Corn	30,096	27,688	166 - 33 - 27
	LENAWEE	April 27	Aug. 3 Sept. 11	Soybean	28,512	25,803	102 - 38 - 31
	WOOD (OHIO)	April 27	Aug. 22	Wheat	34,452	32,385	210 - 40 - 40
Zone 2	KENT	April 25	Sept. 5,19	Corn	28,512	25,518	150 - 49 - 40
	INGHAM	May 4	Sept. 1,117	Soybean	28,512	27,514	156 - 54 - 44
	HURON	April 26	Sept. 15,18	Sugar Beets	28,512	27,942	162 - 38 -31
Zone 4	ALPENA	May 8	Sept. 20	Corn	27,720	25,780	150 - 49 - 40
	OSCEOLA	May 9	Sept. 20	Alfalfa	27,720	24,948	156 - 16 - 21
	DELTA	May 8	Sept. 25 Oct. 2	Corn	26,131	23,910	105 - 49 - 40
Z5	ALGER	May 8	Sept. 25	Corn	23,760	18,295	105 - 49 - 40 +Manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Fox Sandy Loam	pH 7.4 P 107, K 98	Kyle Huff	Coldwater
	LENAWEE	Blount Loam	pH 6.9 P 131, K 187	Bakerlad Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville Clay	pH 6.1 P 108, K 416	Matt Davis OARDC	Hoytville, Ohio
Zone 2	KENT	Marlette loam	pH 6.6 P 192, K 145	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 7.0 P 86, K 197	Wil-Le Farms William, Ron, & Ed McCrea	Bad Axe
Zone 4	ALPENA	Onaway Loam	pH 7.3 P 41, K 197	Corby & Fred Werth	Alpena
	OSCEOLA	Chelsea Sand	pH 6.0 P 80, K 156	Robert E. Lee	Marion
	DELTA	Onaway Sandy Loam	pH 6.3 P 97, K 82	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.3 P 53, K 155	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. For more information on the utility of MILK2000 please see:

www.uwex.edu/ces/crops/uwforage/Milk2000silage.html

SILAGE HYBRID INDEX

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	
	RM Tables		RM Tables		RM Tables		RM Tables
MONSANTO		UAP - Continued		SYNGENTA - Continued			
ASGROW RX655RR2	107 8L	DYNAGRO 54P72	98 8E,9	NK Brand N31-P2	102 9		
ASGROW RX715RR2/YGCB	111 7L	DYNAGRO 55B65	105 8L	NK Brand N33-H6	101 9		
ASGROW RX702RR2/YGCB	110 7E	DYNAGRO 57B47	111 7L,8L	NK Brand N49-E3	106 8L		
BALDRIDGE BIO-RESEARCH		DYNAGRO 57G50	112 7L,8L	NK Brand N58-D1	107 8L		
BALDRIDGE BH375	85 10	DYNAGRO 57P12	115 7L,8L	NK Brand N65-Y3	109 7E,8L		
BALDRIDGE BH515	105 7E	DYNAGRO 58K56	116 7L	NK Brand N72-G8	112 7L		
BAYSIDE SEEDS, LLC		DYNAGRO CX06000	97 8E,9	NK Brand N82-J6	116 7L		
BAYSIDE 3731RR	86 10	GARST SEED COMPANY		NK Brand N91-J1	124 7L		
BAYSIDE S084RR	84 10	GARST 8295YG1/RR	118 7L	PARTNERS BRAND			
BECK'S SUPERIOR HYBRIDS		GARST 8688GT	104 8L	PARTNERS BRAND 610YGCB	110 7E		
BECK 5816CBRR	112 7L	GARST 8866RR	95 9	PIONEER HI-BRED INTERNATIONAL			
BECK 6197CB	112 7L	GARST 8922YG1	90 9	PIONEER 33A87	116 7L		
CORN BELT HYBRIDS		GOLDEN HARVEST SEEDS		PIONEER 34A18	109 7E		
CORN BELT x6517YGPL/RR2	115 7L	GOLDEN HARVEST H-7935Hx	103 8E	PIONEER 34A86	107 7E,8L		
CROPLAN GENETICS		GOLDEN HARVEST H-8920	111 7L	PIONEER 35A31	105 8L		
CROPLAN 491TS	102 8E,9	GREAT LAKES HYBRIDS		PIONEER 35D29	108 7E,8L		
CROPLAN 566TS	106 8L	GREAT LAKES 4689BtRR	96 8E	PIONEER 35F38	104 8L		
CROPLAN 631TS	111 7E	GREAT LAKES 5416RR	104 8L	PIONEER 36K69	103 8E		
CROPLAN DS107RR	107 8L	GRIES SEED FARMS, INC.		PIONEER 37A93	97 10		
CROW'S HYBRID CORN COMPANY		GRIES Y6610R	110 7E	PIONEER 38B86	97 8E,9		
CROWS 2121S	101 8E	HYLAND SEEDS		PIONEER 38H65	99 8E,9,10		
CROWS 4843X	109 7E	HYLAND SEEDS HLS034	92 8E	PIONEER 38W22	92 9		
DAIRYLAND SEED CO., INC.		HYLAND SEEDS HLS041	93 8E	PIONEER 39D85	87 10		
DAIRYLAND DST-8711Bt	89 10	HYLAND SEEDS HLS047	95 8E	RENK SEED COMPANY			
DAIRYLAND Hi DF-3002	102 7E,8E	HYLAND SEEDS HLS058	101 8E	RENK RK244	84 10		
DAIRYLAND Hi DF-3007	106 7E,8L	HYLAND SEEDS HLS067	103 8E	RENK RK438RRYGPL	92 8E,9		
DAIRYLAND Hi DF-3087RR	87 9	HYLAND SEEDS HLSR42	93 8E	RENK RK632YGCB	100 8E		
DAIRYLAND Hi DF-3094	94 8E	HYLAND SEEDS HLSR59	101 8E	RUPP SEEDS, INC.			
DAIRYLAND STEALTH-1503	103 7E	ICORN		RUPP XR8758	98 8E		
DAIRYLAND STEALTH-1615	112 7L	ICORN 111.E3	111 7L	RUPP XS1650	105 7E		
DAIRYLAND STEALTH-5007	107 7E	GOLDEN HARVEST SEEDS		RUPP XS1904	113 7L		
DAIRYLAND STEALTH-6503	103 8E	LASER L-7H07Bt	95 9	SCHLESSMAN SEED			
DAIRYLAND STEALTH-7184	85 10	MIDWEST SEED GENETICS		SCHLESSMAN SX-723YGCB	113 7L		
DAIRYLAND STEALTH-7196	96 9	MIDWEST 71101T	102 8E	SPANGLER SEEDTECH, INC.			
DAIRYLAND STEALTH-7201	101 8E	MIDWEST 78133X	112 7L	SPANGLER LFT38	97 10		
MONSANTO		MIDWEST 7S322	111 7L	TRELAY SEED COMPANY			
DEKALB DKC38-33 (RR2/YGCB)	88 10	MYCOGEN SEEDS		TRELAY 4B268	96 8E		
DEKALB DKC40-08 (RR2/YGCB)	90 9	MYCOGEN 2R421	96 8E	TRELAY 5B739	105 8L		
DEKALB DKC41-64 (RR2/YGCB)	91 9	MYCOGEN F2F444	102 8E	TRELAY 5N103	100 8E		
DEKALB DKC51-39 (RR2/YGPL)	101 8E	MYCOGEN F2F699	113 7L	TRELAY 5N503	100 8E		
DEKALB DKC54-46 (RR2/YGPL)	104 8L	MYCOGEN F2F797	115 7L	TRELAY 6K917	107 8L		
DEKALB DKC57-79 (RR2/YGPL)	107 8L	MYCOGEN TMF2M696	110 7E	TRELAY 6R402	106 8L		
DEKALB DKC58-19 (RR2)	108 8L	MYCOGEN TMF2N422	94 9	TRELAY 8K339	113 8L		
DEKALB DKC61-45 (RR2/YGCB)	111 7L	MYCOGEN TMF2Q731	112 7L	TRELAY 8R321	114 8L		
DEKALB DKC61-68 (RR2/YGRW)	111 7L	MYCOGEN TMF2R336	95 9	WELLMAN SEEDS, INC.			
DEKALB DKC63-74 (RR2/YGPL)	113 7L	MYCOGEN TMF2T497	100 8E	WELLMAN W2615	115 7L		
UAP DISTRIBUTION, INC.		SYNGENTA SEEDS		WELLMAN W2713	113 7L		
DYNAGRO 51G25	84 10	NK Brand N16-M1	82 10	WOLF RIVER VALLEY SEEDS			
DYNAGRO 52P81	85 10	NK Brand N21-L4	86 10	WOLF RIVER VALLEY 2585LRR	85 10		
DYNAGRO 53F09	94 9						
DYNAGRO 53G01	94 8E,9						

TABLE 7E. BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - EARLY (110 Day and Earlier) ZONE 1

2006	EARLY - TRIAL AVERAGE										BRANCH - EARLY																												
	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000													
	BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	Stch	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	Stch	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A					
ASGROW RX702RR2Y/GCB	110	P250	1,2	35.6	22.4	8.0	97	81.0	22.4	43.6	56.1	6.3	34.9	3441	27463	37.2	22.1	8.3	99	81.3	20.9	40.9	54.4	6.5	36.8	3461	28689	37.2	22.1	8.3	99	81.3	20.9	40.9	54.4	6.5	36.8	3461	28689
BALDRIDGE BH515	105			33.5	17.3	5.9	83	80.5	22.4	44.2	56.7	7.2	31.9	3424	20012	36.8	16.9	6.3	88	82.3	19.6	39.9	55.3	7.6	36.3	3546	22236	36.8	16.9	6.3	88	82.3	19.6	39.9	55.3	7.6	36.3	3546	22236
CROPLAN 631TS	111	C250	1,2,3	35.3	22.5	8.0	93	82.3	20.4	40.7	56.4	6.4	38.5	3550	28204	38.9	20.8	8.3	92	82.6	19.1	38.0	54.2	6.6	40.6	3518	28973	38.9	20.8	8.3	92	82.6	19.1	38.0	54.2	6.6	40.6	3518	28973
CROWS 4843X	109	C250	1,3	33.3	24.6	8.1	97	80.4	22.7	43.7	55.1	6.4	34.2	3415	27892	34.7	24.8	8.5	99	79.4	22.9	43.5	52.4	6.4	34.0	3333	28562	34.7	24.8	8.5	99	79.4	22.9	43.5	52.4	6.4	34.0	3333	28562
DAIRYLAND HI DF-3002	102	P250		36.2	22.7	8.2	91	80.8	22.5	43.9	56.3	6.2	34.8	3432	28156	38.7	21.5	8.3	91	82.1	20.1	40.0	55.0	6.3	37.8	3503	29148	38.7	21.5	8.3	91	82.1	20.1	40.0	55.0	6.3	37.8	3503	29148
DAIRYLAND HI DF-3007	106	P250		32.7	25.3	8.4	99	80.1	23.8	45.9	56.6	6.3	32.6	3414	28047	36.4	24.1	8.7	98	81.6	20.8	41.4	55.6	6.6	36.7	3522	30610	36.4	24.1	8.7	98	81.6	20.8	41.4	55.6	6.6	36.7	3522	30610
DAIRYLAND STEALTH-1503	103	P250		38.5	20.0	7.7	94	82.0	20.6	40.4	55.4	6.2	39.9	3449	26487	41.1	18.7	7.7	98	83.2	17.9	36.2	53.8	6.3	43.4	3498	26846	41.1	18.7	7.7	98	83.2	17.9	36.2	53.8	6.3	43.4	3498	26846
DAIRYLAND STEALTH-5007	107	P250	2	35.3	23.0	8.1	94	80.4	23.2	44.7	55.7	5.8	34.7	3403	27683	36.8	23.6	8.6	95	82.3	19.6	38.8	54.1	6.7	39.0	3526	30508	36.8	23.6	8.6	95	82.3	19.6	38.8	54.1	6.7	39.0	3526	30508
GRIES Y6610R	110		1,2	35.0	22.8	8.0	89	81.4	21.6	42.4	56.3	6.6	37.2	3497	27795	37.1	22.2	8.2	88	81.8	20.1	39.6	54.1	6.5	39.2	3514	28881	37.1	22.2	8.2	88	81.8	20.1	39.6	54.1	6.5	39.2	3514	28881
MYCOGEN TMF2M696	110	C250	2,4,8	37.6	21.3	8.0	92	81.2	21.9	43.6	56.6	6.4	34.9	3447	27538	41.8	19.7	8.1	90	81.7	19.2	39.1	53.5	6.6	38.3	3381	27633	41.8	19.7	8.1	90	81.7	19.2	39.1	53.5	6.6	38.3	3381	27633
NK Brand N65-Y3	109	C250	2,4	38.0	19.6	7.4	87	82.2	21.8	42.7	58.3	6.5	35.2	3517	26110	39.0	18.4	7.2	91	83.3	19.9	39.3	57.3	6.7	37.4	3593	25964	39.0	18.4	7.2	91	83.3	19.9	39.3	57.3	6.7	37.4	3593	25964
PARTNERS BRAND 610Y/GCB	110	P250	2	33.5	23.4	7.8	83	80.5	23.1	44.5	56.5	6.4	33.4	3446	26953	36.2	21.6	7.7	73	82.8	19.7	39.6	56.6	6.7	37.4	3618	28072	36.2	21.6	7.7	73	82.8	19.7	39.6	56.6	6.7	37.4	3618	28072
PIONEER 34A18	109	P250	2,3,4	34.7	22.3	7.7	95	82.5	21.6	42.0	58.5	6.6	35.3	3591	27577	37.5	21.9	8.1	94	83.1	20.2	39.3	57.1	6.5	36.7	3617	29237	37.5	21.9	8.1	94	83.1	20.2	39.3	57.1	6.5	36.7	3617	29237
PIONEER 34A86	107	P1250		37.6	22.4	8.4	93	82.7	21.4	42.7	59.5	6.2	37.0	3573	29964	40.8	21.6	8.9	90	83.9	19.1	38.7	58.2	6.4	41.3	3599	31857	40.8	21.6	8.9	90	83.9	19.1	38.7	58.2	6.4	41.3	3599	31857
PIONEER 35D29	108	P1250	2,4,11,15	34.6	23.7	8.3	96	81.6	22.6	43.6	57.5	6.3	35.6	3530	29107	36.2	22.0	8.0	93	82.8	20.5	40.2	57.4	6.7	37.7	3620	28783	36.2	22.0	8.0	93	82.8	20.5	40.2	57.4	6.7	37.7	3620	28783
RUPP XS1650	105	C250		33.0	21.9	7.4	79	80.1	23.9	45.2	56.1	6.7	31.7	3391	24950	36.2	22.8	8.4	79	84.0	18.4	37.1	56.5	7.0	39.4	3677	30733	36.2	22.8	8.4	79	84.0	18.4	37.1	56.5	7.0	39.4	3677	30733
AVERAGE				35.3	22.2	7.8	91	81.2	22.2	43.4	56.7	6.4	35.1	3470	27121	37.8	21.4	8.1	91	82.4	19.9	39.5	55.3	6.6	38.2	3533	28546	37.8	21.4	8.1	91	82.4	19.9	39.5	55.3	6.6	38.2	3533	28546
HIGHEST				38.5	25.3	8.4	99	82.7	23.9	45.9	59.5	7.2	39.9	3591	29964	41.8	24.8	8.9	99	84.0	22.9	43.5	58.2	7.6	43.4	3677	31857	41.8	24.8	8.9	99	84.0	22.9	43.5	58.2	7.6	43.4	3677	31857
LOWEST				32.7	17.3	5.9	79	80.1	20.4	40.4	55.1	5.8	31.7	3391	20012	34.7	16.9	6.3	73	79.4	17.9	36.2	52.4	6.3	34.0	3333	22236	34.7	16.9	6.3	73	79.4	17.9	36.2	52.4	6.3	34.0	3333	22236
CV (%)				5.1	7.0	7.1	6	1.5	7.8	5.5	2.6	5.1	7.2	3	8	5.1	7.3	7.6	6	1.2	7.9	5.7	2.4	4.6	6.4	2	9												
LSD (5%)				1.2	1.0	0.4	4	0.8	1.2	1.6	1.0	0.2	1.7	59	1496					2.9	4.5	6.4	1.9	0.4	7.0	92	3529												

2 Year Averages	EARLY - TRIAL AVERAGE										BRANCH - EARLY																												
	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000													
	BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	Stch	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A	Stch	IVD	ADF	NDF	NDFD	CP	Stch	MK/T	MK/A					
DAIRYLAND HI DF-3007	106	P250		38.3	22.9	8.5	98	81.2	21.2	41.2	53.9	6.3	36.9	3407	29102	42.7	21.7	9.0	98	82.2	18.8	37.6	52.2	6.3	40.3	3422	30874	42.7	21.7	9.0	98	82.2	18.8	37.6	52.2	6.3	40.3	3422	30874
NK Brand N65-Y3	109	C250	2,4	41.8	19.1	7.9	91	82.1	20.5	39.8	54.8	6.3	37.5	3429	27152	43.4	18.5	8.0	92	82.7	19.1	37.4	53.4	6.3	39.0	3448	27532	43.4	18.5	8.0	92	82.7	19.1	37.4	53.4	6.3	39.0	3448	27532
PIONEER 34A86	107	P1250		43.4	20.3	8.6	93	82.3	19.8	39.7	55.0	6.4	39.8	3425	29468	46.8	19.3	8.9	92	82.7	18.1	37.0	52.9	6.4	43.3	3396	30253	46.8	19.3	8.9	92	82.7	18.1	37.0	52.9	6.4	43.3	3396	30253
RUPP XS1650	105	C250		39.3	20.5	7.9	84	80.1	22.0	41.8	52.1	6.5	35.8	3288	26088	42.3	20.4	8.5	84	81.6	18.8	37.1	50.4	6.5	40.4	3360	28533	42.3	20.4	8.5	84	81.6	18.8	37.1	50.4	6.5	40.4	3360	28533
AVERAGE				40.7	20.7	8.3	92	81.4	20.9	40.6	54.0	6.4	37.5	3387	27953	43.8	20.0	8.6	91	82.3	18.7	37.3	52.2	6.4	40.8	3406	29298	43.8	20.0	8.6	91	82.3	18.7	37.3	52.2	6.4	40.8	3406	29298
HIGHEST				43.4	22.9	8.6	98	82.3	22.0	41.8	55.0	6.5	39.8	3429	29468	46.8	21.7	9.0	98	82.7	19.1	37.6	53.4	6.5	43.3	3448	30874	46.8	21.7	9.0	98	82.7	19.1	37.6	53.4	6.5	43.3	3448	30874
LOWEST				38.3	19.1	7.9	84	80.1	19.8	39.7	52.1	6.3	35.8	3288	26088	42.3	18.5	8.0	84	81.6	18.1	37.0	50.4	6.3	39.0	3360	27532	42.3	18.5	8.0	84	81.6	18.1	37.0	50.4	6.3	39.0	3360	27532
CV (%)				5.6	6.4	6.5	5	1.5	7.6	5.7	2.7	4.7	7.0	3	7	5.5	6.6	6.9	5	1.3	7.8	5.9	2.7	4.0	6.4	2	8												
LSD (5%)				1.0	0.7	0.3	2	0.6	0.8	1.1	0.7	0.1	1.2	42	949					0.9	1.3	1.9	1.2	0.2	2.1	57	1798												

2006			LENAWEE - EARLY												WOOD (OHIO) - EARLY												
BRAND / HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A	%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A
ASGROW RX702RR2/YGCB	110	P250	1,2	30.5	22.7	6.9	93	81.7	22.1	43.8	57.5	6.9	35.0	3533	24312	39.2	22.5	8.8*	99	79.9	24.2	46.2	56.4	5.4	32.9	3328	29389
BALDRIDGE BH515	105			28.5	17.6	5.1	74	79.1	24.3	47.1	55.1	7.8	27.7	3312	16809	35.2	17.4	6.2	89	80.2	23.3	45.7	56.6	6.2	31.8	3414	20992
CROPLAN 631TS	111	C250	1,2,3	31.5	22.0	6.8	89	82.7	20.0	40.4	57.2	6.8	39.7	3602	24698	35.6	24.7	8.8*	98	81.5	22.1	43.7	57.7	5.8	35.2	3530	30941
DAYS 4843X	109	C250	1,3	28.7	23.0	6.5	95	81.4	21.9	42.6	56.7	7.0	35.3	3499	22833	36.4	26.0	9.4**	97	80.3	23.4	44.9	56.3	5.7	33.4	3414	32281
DAIRYLAND HI DF-3002	102	P250		30.7	23.4	7.3*	89	80.3	23.9	45.8	57.2	6.8	32.4	3426	24978	39.3	23.2	9.0*	92	80.1	23.4	45.8	56.7	5.5	34.1	3365	30943
DAIRYLAND HI DF-3007	106	P250		28.0	26.9	7.5*	100	79.8	24.7	47.1	57.3	6.8	31.8	3388	25679	33.7	24.9	8.4	99	78.8	25.8	49.3	56.8	5.4	29.3	3332	27852
DAIRYLAND STEALTH-1503	103	P250		31.8	21.7	7.0	91	80.2	23.0	44.0	55.1	6.9	35.9	3401	23694	42.7	19.6	8.4	94	82.6	20.8	41.0	57.3	5.4	40.4	3448	28922
DAIRYLAND STEALTH-5007	107	P250	2	30.4	22.6	6.9	90	79.2	25.5	48.3	56.2	5.6	31.6	3343	22894	38.8	22.9	8.9*	96	79.6	24.5	47.1	56.7	5.1	33.5	3341	29648
GRIES Y6610R	110	C250	1,2	30.4	22.1	6.9	85	81.8	21.3	41.9	57.2	7.3	38.2	3530	24355	37.4	23.4	8.8*	95	80.7	23.4	45.6	57.5	5.9	34.1	3446	30149
MYCOGEN TMF2M696	110	C250	2,4,8	32.9	20.9	6.9	88	82.3	21.2	42.8	58.2	6.9	35.3	3576	24729	38.0	23.4	9.0*	99	79.7	25.4	48.8	58.2	5.6	31.1	3385	30252
NK Brand N65-Y3	109	C250	2,4	33.9	18.7	6.2	74	82.7	21.5	43.4	60.3	7.4	34.3	3622	22587	41.2	21.6	8.9*	97	80.6	24.0	45.3	57.2	5.4	33.8	3336	29779
PARTNERS BRAND 610YGCB	110	P250	2	29.0	23.7	6.9	79	80.4	23.8	45.0	57.1	7.2	32.4	3425	23671	35.2	25.0	8.8*	96	78.4	25.9	48.9	55.9	5.3	30.3	3295	29117
PIONEER 34A18	109	P250	2,3,4	31.6	20.8	6.5	91	83.1	21.7	42.2	60.5	7.4	35.8	3652	23834	35.0	24.3	8.5	100	81.3	22.9	44.4	57.8	6.0	33.3	3505	29659
PIONEER 34A86	107	P1250		33.0	24.2	7.9**	91	82.9	21.2	42.2	60.0	7.0	37.3	3638	28992	38.9	21.4	8.3	98	81.3	24.0	47.1	60.4	5.3	32.4	3483	29042
PIONEER 35D29	108	P1250	2,4,11,13	31.6	23.8	7.7*	96	81.6	23.3	45.0	58.1	6.5	35.2	3539	27052	36.1	25.2	9.2*	99	80.4	24.0	45.6	57.1	5.6	33.8	3432	31487
RUPP XS1650	105	C250		27.7	19.5	5.4	66	79.2	25.6	48.2	57.1	7.6	28.5	3336	17881	35.2	23.5	8.3	91	77.1	27.8	50.4	54.8	5.6	27.3	3162	26237
AVERAGE				30.6	22.1	6.8	87	81.2	22.8	44.4	57.6	7.0	34.2	3489	23687	37.4	23.1	8.6	96	80.2	24.1	46.2	57.1	5.6	32.9	3388	29131
HIGHEST				33.9	26.9	7.9	100	83.1	25.6	48.3	60.5	7.8	39.7	3652	28992	42.7	26.0	9.4	100	82.6	27.8	50.4	60.4	6.2	40.4	3530	32281
LOWEST				27.7	17.6	5.1	66	79.1	20.0	40.4	55.1	5.6	27.7	3312	16809	33.7	17.4	6.2	89	77.1	20.8	41.0	54.8	5.1	27.3	3162	20992
CV (%)				4.9	6.8	8.1	8	1.3	7.0	5.1	2.3	5.1	6.9	2	9	4.6	4.9	5.3	4	1.7	7.4	5.5	2.8	5.5	7.8	3	6
LSD (5%)				2.2	2.2	0.8	10	1.5	2.3	3.2	1.9	1.0	3.4	115	3014	2.4	1.6	0.7	5	1.9	2.6	3.6	2.3	0.4	3.7	135	2656

2 Year Averages			LENAWEE - EARLY												WOOD (OHIO) - EARLY												
BRAND / HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A	%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A
DAIRYLAND HI DF-3007	106	P250		36.0	23.3	8.1*	100	81.4	21.4	41.2	54.6	6.7	36.9	3417	27768	36.3	23.6	8.5*	96	80.0	23.4	44.7	55.0	5.9	33.6	3383	28863
NK Brand N65-Y3	109	C250	2,4	39.9	17.7	6.9	84	82.6	19.9	39.3	55.4	6.8	37.8	3494	24137	42.1	21.1	8.9**	98	81.1	22.6	42.7	55.6	5.7	35.7	3347	29789
PIONEER 34A86	107	P1250		42.1	20.6	8.3**	95	83.1	18.8	37.7	54.8	6.9	41.1	3480	28794	41.3	20.9	8.6*	99	81.2	22.6	44.3	57.4	5.9	35.1	3399	29358
RUPP XS1650	105	C250		38.7	18.5	7.0	79	80.1	22.1	42.1	52.2	7.1	35.5	3248	22551	37.0	22.6	8.3	91	78.5	25.2	46.4	53.7	6.0	31.6	3255	27179
AVERAGE				39.2	20.0	7.6	90	81.8	20.5	40.1	54.3	6.9	37.8	3409	25812	39.2	22.0	8.6	96	80.2	23.5	44.5	55.4	5.9	34.0	3346	28747
HIGHEST				42.1	23.3	8.3	100	83.1	22.1	42.1	55.4	7.1	41.1	3494	28794	42.1	23.6	8.9	99	81.2	25.2	46.4	57.4	6.0	35.7	3399	29789
LOWEST				36.0	17.7	6.9	79	80.1	18.8	37.7	52.2	6.7	35.5	3248	22551	36.3	20.9	8.3	91	78.5	22.6	42.7	53.7	5.7	31.6	3255	27179
CV (%)				6.9	7.0	7.4	6	1.5	5.7	2.8	4.8	6.7	3	8	4.2	4.6	5.2	3.2	1.6	7.1	5.3	2.6	5.0	7.6	3	6	
LSD (5%)				2.0	1.2	0.4	5	1.0	1.4	2.0	1.3	0.3	2.0	77	1668	1.3	0.9	0.4	2.5	1.0	1.4	2.0	1.2	0.2	2.1	74	1384

3 Year Averages			LENAWEE - EARLY												WOOD (OHIO) - EARLY												
BRAND / HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A	%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A
RUPP XS1650	105	C250		40.9	17.8	7.1	83	80.1	21.0	40.3	50.3	6.9	36.8	3225	22899												

3 Year Averages			LENAWEE - LATE												WOOD (OHIO) - LATE												
BRAND / HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A	%DM	GT/A	DT/A	%StD	IVD	ADF	NDF	NDFF	CP	Strech	MILK	MK/A
DAIRYLAND STEALTH-1615	112	P250		41.2	18.7	7.6*	97	83.6	18.4	36.2	54.3	6.3	40.5	3537	26450												
RUPP XS1904	113	C250		39.5	19.5	7.8**	93	81.3	20.6	39.0	52.0	6.6	38.4	3404	26445												
AVERAGE				40.3	19.1	7.7	95	82.5	19.5	37.6	53.2	6.4	39.4	3470	26448												
CV (%)				8.7	10.3	9.9	4	1.2	6.9	5.2	3.6	6.0	5.8	3	10												
LSD (5%)				2.2	1.5	0.5	3	0.7	0.9	1.4	1.3	0.3	1.5	67	1927												

BRANCH, LENAWE & WOOD (OHIO) COUNTY SILAGE TRIALS - LATE (111 Day and Later)

TABLE 7L - Continued from page 39.

LATE TRIAL

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 7L. BRANCH, LENAWE & WOOD (OHIO) COUNTY SILAGE TRIALS - LATE (111 Day and Later)

2006		LATE - TRIAL AVERAGE												BRANCH - LATE													
BRAND /HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/A	MK/T	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/A	MK/T
ASGROW RX715RR2YGCB	111	P250	1,2	39.3	22.7	8.9	97	81.6	20.4	39.8	53.5	6.1	39.5	3430	30382	41.8	22.2	9.2	100	82.5	17.8	35.5	50.6	6.5	45.5	3414	31545
BECK 5816CBRR	112	P250	1,2	39.0	23.4	9.0	94	80.8	20.7	40.4	52.1	6.3	39.1	3344	30131	42.9	21.5	9.1	94	81.8	17.7	35.2	48.1	6.4	45.4	3307	30017
BECK 6197CB	112	P250	2	34.4	24.5	8.4	98	81.6	22.4	49.5	57.7	6.4	35.7	3543	29886	36.2	25.2	9.1	98	82.5	19.4	38.6	54.8	6.7	41.6	3612	32774
CORN BELT X6517YGPLRR2	115	P250	1,2,3	33.9	25.4	8.6	92	79.8	25.2	47.1	57.2	5.9	29.4	3409	29259	34.9	28.3	9.8	92	79.7	24.5	45.4	55.3	6.3	31.9	3410	33481
DAIRYLAND STEALTH-1615	112	P250	1,2	37.8	23.4	8.7	91	83.0	19.3	38.4	55.5	6.3	39.7	3586	31229	38.8	24.0	9.3	89	84.3	16.9	34.4	54.2	6.5	42.8	3667	34157
DEKALB DK61-45 (RR2YGCB)	111	P250	1,2	36.6	23.4	8.5	99	81.0	21.0	41.2	53.6	6.3	38.2	3429	29163	39.8	23.2	9.1	100	81.7	18.6	37.1	50.4	6.5	42.8	3420	31214
DEKALB DK61-68 (RR2YGRW)	111	P250	1,3	39.7	24.2	9.7	**	81.7	19.8	39.1	53.1	6.4	39.8	3419	32911	43.8	24.6	10.8	**	80.9	18.8	37.7	49.3	6.5	42.1	3241	35085
DEKALB DK63-74 (RR2YGPL)	113	P250	1,2,3	36.6	24.1	8.8	98	81.0	21.2	41.4	54.0	6.5	36.1	3442	30262	37.4	24.1	9.0	100	80.9	19.4	38.9	51.1	6.8	38.5	3431	30881
DYNAORO 57B47	111	P250	1,2,3	40.5	21.4	8.6	91	81.8	19.3	38.4	52.4	6.2	42.0	3412	29424	42.6	19.9	8.5	90	81.3	18.4	36.1	48.3	6.3	45.7	3297	28106
DYNAORO 57G50	112	P250	1,3	36.1	23.0	8.2	90	81.1	21.7	41.9	54.9	6.1	37.4	3471	28555	37.4	23.1	8.5	86	80.9	20.2	39.4	51.5	6.4	39.5	3431	29341
DYNAORO 57P12	115	P250	1,2	36.4	25.2	9.1	94	81.6	21.6	41.7	55.8	6.4	37.4	3496	32002	37.1	26.6	9.8	93	82.2	19.8	38.6	53.9	6.8	40.5	3537	34653
DYNAORO 58K56	116	P250	1	33.3	26.7	8.9	90	81.0	23.0	44.3	57.1	6.7	32.1	3489	31199	36.1	28.0	10.2	*	84.1	17.6	36.8	56.9	7.4	38.2	3721	37833
GARST 8295Y1/RR	118	C250	1,2	36.8	21.7	8.0	91	82.8	20.8	40.4	57.5	6.6	36.5	3598	28880	39.6	22.3	8.8	88	82.9	19.6	38.5	55.5	6.8	40.0	3554	31369
GOLDEN HARVEST H-8920	111	C250		38.8	21.5	8.3	95	82.2	18.9	36.4	53.5	6.9	40.2	3481	29113	40.3	18.9	7.7	96	82.4	17.4	35.7	50.7	7.0	42.8	3457	26577
ICORN 111.E3	111	C125		38.4	22.1	8.4	91	82.0	21.1	41.6	56.2	6.1	37.0	3489	29283	40.4	22.4	9.1	84	82.8	17.3	35.6	51.5	6.7	42.8	3487	31638
MIDWEST 78133X	112	C250		38.4	23.2	8.9	92	82.1	19.5	39.5	54.5	7.0	37.9	3472	30594	43.1	22.9	9.9	94	82.8	16.6	34.9	50.8	7.3	42.4	3404	33532
MIDWEST 7S322	111	C250		40.0	21.6	8.6	97	82.0	19.3	38.7	53.3	6.2	40.6	3443	29441	39.6	21.9	8.6	100	81.0	19.0	38.2	50.2	6.4	42.4	3380	28949
MYCOGEN F2F699	113	C250	2,4,7	35.7	20.9	7.5	81	81.0	23.8	47.1	59.9	7.2	31.0	3496	25939	39.2	20.5	8.1	80	76.9	25.0	47.7	51.9	7.4	31.6	3116	25061
MYCOGEN F2F797	115	C250	7	33.9	23.5	7.9	96	83.4	21.9	44.1	62.2	6.5	32.5	3704	29403	35.1	23.7	8.3	93	83.0	21.0	42.3	59.8	6.6	35.7	3681	30558
MYCOGEN TMF2Q731	112	C250	2,4	34.3	27.1	9.3	*	79.9	24.3	45.6	56.0	6.1	30.7	3401	31831	37.0	27.1	10.1	*	81.5	21.5	41.3	55.2	6.4	35.7	3523	35496
NK Brand N82-G8	112	C250		41.6	22.5	9.2	97	82.1	19.1	38.2	55.9	6.2	42.1	3501	32269	42.1	22.6	9.5	95	84.2	16.4	33.6	53.2	6.5	46.6	3548	33713
NK Brand N82-J6	116	C250	2,4	36.0	22.8	8.1	90	82.0	20.8	41.2	55.9	6.3	36.7	3522	28595	38.8	24.0	9.2	94	83.7	16.8	34.9	53.2	6.6	43.2	3621	33327
NK Brand N91-J1	124	C250	2,4	31.2	28.7	9.0	98	78.4	26.4	49.1	55.8	6.2	28.4	3294	29649	34.3	29.9	10.2	*	79.6	25.2	42.6	52.1	6.4	36.6	3361	34157
PIONEER 33A87	116	P1250	2,4	35.8	26.3	9.4	*	79.9	23.2	44.1	54.3	6.2	33.6	3363	31602	37.7	28.3	10.6	*	79.2	22.6	43.1	51.6	6.5	35.8	3291	34980
RUPP XS1904	113	C250		38.2	20.5	7.9	87	79.3	22.6	49.3	52.0	6.5	36.7	3279	25866	40.9	19.0	7.9	85	79.5	20.7	40.0	48.6	6.6	41.6	3223	25368
SCHLESSMAN SX-723YGCB	113	C125	2	37.0	23.2	8.6	84	82.4	20.6	40.2	56.0	6.4	37.3	3561	30534	37.2	24.3	9.1	86	82.2	20.2	39.1	54.3	6.3	39.0	3554	32184
WELLMAN W2615	115			36.9	22.5	8.3	82	82.4	20.5	40.0	55.9	6.2	38.0	3552	29221	38.3	23.1	8.8	82	82.3	19.6	38.3	53.8	6.4	38.2	3535	30978
WELLMAN W2713	113			38.0	23.6	9.0	98	81.7	20.4	40.6	54.7	6.2	38.4	3478	31197	40.6	23.5	9.5	100	82.6	17.9	36.8	52.8	6.3	43.3	3486	33150
AVERAGE				37.0	23.5	8.6	93	83.5	21.4	41.8	55.4	6.4	36.6	3468	29923	39.0	23.8	9.2	93	81.8	19.4	38.4	52.5	6.6	40.4	3454	31791
HIGHEST				41.6	28.7	9.7	99	83.4	26.4	49.1	62.2	7.2	42.1	3704	32911	43.8	29.9	10.8	100	84.3	25.0	47.7	59.8	7.4	46.6	3721	37833
LOWEST				31.2	20.5	7.5	81	78.4	18.9	38.2	52.0	5.9	28.4	3279	25866	34.3	18.9	7.7	80	76.9	16.4	33.6	48.1	6.3	31.6	3116	25061
CV (%)				5.6	7.2	6.5	5	1.5	7.5	5.5	2.8	6.9	6.3	3	7	5.9	6.0	6.2	4	1.6	8.0	5.7	3.2	4.0	5.3	3	6
LSD (5%)				1.4	1.1	0.4	3	0.8	1.1	1.6	1.0	0.3	1.6	64	1344					3.7	2.2	3.1	4.7	0.7	6.0	300	2660

2 Year Averages		LATE - TRIAL AVERAGE												BRANCH - LATE													
BRAND /HYBRID	RM	TRT	Trait	YIELD						% QUALITY						YIELD						% QUALITY					
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/A	MK/T	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MK/A	MK/T
DAIRYLAND STEALTH-1615	112	P250		41.5	21.7	8.8	94	82.6	18.9	37.0	52.6	6.1	41.6	3455	30494	44.0	21.0	9.1	94	82.7	17.2	34.7	50.1	6.1	43.9	3412	30986
DEKALB DK61-45 (RR2YGCB)	111	P250	1,2	41.0	21.4	8.6	98	80.9	19.8	38.9	50.6	6.4	40.3	3330	28580	43.6	20.7	8.8	100	80.6	18.7	37.3	47.9	6.4	42.7	3248	28758
DYNAORO 58K56	116	P250	1	35.9	25.7	9.1	*	80.7	22.5	42.7	54.6	6.7	33.1	3430	31422	39.5	25.2	9.9	**	82.7	18.3	36.8	53.2	7.0	38.2	3537	34913
GOLDEN HARVEST H-8920	111	C250		41.4	20.7	8.5	95	82.1	18.1	36.3	50.2	6.7	41.6	3397	28860	43.2	18.2	7.9	95	82.3	17.0	34.6	48.7	6.8	43.2	3368	26553
ICORN 111.E3	111	C125		43.1	21.2	9.0	*	81.7	19.9	38.9	52.4	6.0	39.6	3367	30122	44.7	20.6	9.2	91	82.0	17.7	35.6	49.4	6.4	42.6	3338	30531
NK Brand N82-J6	116	C250	2,4	38.8	22.5	8.6	93	82.1	19.7	38.8	53.4	6.3	38.9	3463	29622	42.5	22.0	9.2	96	83.2	17.0	34.7	51.4	6.4	42.8	3475	32097
NK Brand N91-J1	124	C250	2,4	33.2	27.9	9.2	**	78.3	26.2	47.7	54.2	6.3	28.0	3269	30028	37.6	26.4	9.8	*	79.7	22.5	42.1	51.7	6.1	35.7	3347	32862
RUPP XS1904	113	C250		39.7	22.1	8.8	92	79.8	21.7	41.0	50.5	6.4	37.6	3283	28781	42.6	20.3	8.7	92	79.6	20.1	38.7	47.3	6.4	40.5	3197	27835
WELLMAN W2615	115			40.7	21.4	8.5	86	82.9	19.0	37.0	53.4</																

		LENAWEE - LATE										WOOD (OHIO) - LATE															
		YIELD					% QUALITY					YIELD					% QUALITY										
BRAND / HYBRID	RM	TRT	Trait	%DM	GTIA	DTIA	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	MKMT	MKIA	CP	Stch	MILK 2000	MKMT	MKIA						
ASGROW RX715RR2YGCB	111	P250	1,2	37.6	21.8	8.1	97	81.4	20.7	40.3	53.8	5.8	38.6	3460	27940	38.6	24.2	9.3	94	80.9	22.6	43.5	56.1	6.1	34.4	3416	31661
BECK 58160GBRR	112	P250	1,2	35.6	24.4	8.6	98	80.2	21.9	41.9	53.0	6.3	38.0	3365	29044	38.4	24.2	9.3	90	80.3	22.6	44.0	55.3	6.3	33.9	3358	31332
BECK 61970CB	112	P250	2	34.9	21.0	7.4	100	82.1	21.8	42.7	58.3	6.0	37.1	3577	26471	32.0	27.4	8.8	97	80.2	25.9	49.2	59.9	6.4	28.3	3441	30414
CORN BELT x6517YGPLRR2	115	P250	1,2,3	32.9	21.4	7.0	98	80.7	23.8	45.7	57.8	5.4	31.5	3475	24274	33.8	26.6	9.0	86	79.1	27.2	50.3	58.4	5.9	24.8	3343	30022
DAIRYLAND STEALTH-1615	112	P250	1,2	36.5	22.2	7.8	95	83.0	19.5	38.7	55.8	6.2	39.5	3594	27600	38.2	24.0	9.1	89	81.8	21.4	42.0	56.6	6.3	36.9	3498	31930
DEKALB DKC61-45 (RR2YGCB)	111	P250	1,2	34.4	22.3	7.7	98	81.0	21.4	42.0	54.7	6.1	38.0	3462	26398	35.7	24.7	8.8	97	80.3	22.9	44.6	55.8	6.3	33.7	3405	29877
DEKALB DKC61-68 (RR2YGRW)	111	P250	1,3	37.3	23.6	8.9	99	82.1	19.3	38.0	53.1	6.6	41.3	3496	31086	38.1	24.5	9.3	98	82.1	21.2	41.6	57.0	6.1	35.9	3521	32563
DEKALB DKC63-74 (RR2YGPL)	113	P250	1,2,3	36.9	23.0	8.6	97	80.7	21.7	41.4	53.5	6.4	37.1	3401	29443	35.4	25.1	8.8	96	81.4	22.4	43.8	57.4	6.3	32.8	3493	30462
DYNAGRO 57B47	111	P250	1,2,3	38.8	21.4	8.2	92	82.0	19.2	38.3	53.2	6.1	41.7	3477	28479	40.0	22.8	9.1	92	80.0	20.2	40.8	55.8	6.3	38.6	3463	31687
DYNAGRO 57G50	112	P250	1,3	33.8	23.0	7.7	90	82.0	21.3	41.2	56.5	6.0	38.6	3560	27237	37.2	23.0	8.5	95	82.4	23.6	45.2	56.6	5.9	34.0	3422	29086
DYNAGRO 57P12	115	P250	1,2	36.0	23.5	8.4	94	82.9	19.6	39.2	56.5	6.0	39.9	3593	30554	36.2	25.5	9.2	93	79.6	25.4	47.3	56.9	6.3	31.8	3357	30798
DYNAGRO 58K56	116	P250	1	31.4	24.8	7.8	92	80.2	24.7	46.5	57.3	6.4	32.1	3433	26810	32.3	27.3	8.7	90	78.8	26.8	49.6	57.2	6.4	25.9	3314	28954
GARST 8295G1/IRR	118	C250	1,2	35.4	19.3	6.9	94	83.6	20.1	39.7	58.8	6.7	37.5	3685	25508	35.4	23.4	8.3	91	82.0	22.7	43.0	58.2	6.2	32.0	3553	29762
GOLDEN HARVEST H-8920	111	C250	1	38.2	22.6	8.5	96	82.5	18.4	37.5	53.3	6.9	41.7	3502	30015	37.8	23.0	8.8	93	81.6	21.0	42.1	56.4	6.7	36.1	3484	30747
ICORN 111.E3	111	C125	2,4	34.3	22.1	7.4	95	81.7	23.7	45.3	59.5	5.7	33.4	3566	25977	40.6	21.8	8.8	95	81.4	22.2	44.0	57.5	5.9	34.9	3414	30234
MIDWEST 78133X	112	C250	1	35.8	22.6	7.9	91	82.5	19.4	39.5	55.6	7.2	38.9	3557	27927	36.4	24.0	8.8	91	81.0	22.5	44.0	57.0	6.6	32.3	3456	30324
MIDWEST 7S322	111	C250	1	39.8	20.3	7.9	97	83.1	18.3	37.2	54.7	6.0	42.2	3533	27618	40.7	22.6	9.3	95	81.8	20.6	40.7	54.9	6.2	37.3	3416	31755
MYCOGEN F2F699	113	C250	2,4,7	32.9	21.4	7.0	88	82.7	22.4	44.9	61.5	7.4	33.8	3646	25380	34.9	20.9	7.3	84	83.0	23.9	48.8	66.3	6.8	27.6	3724	27376
MYCOGEN F2F797	115	C250	7	34.4	20.2	7.0	90	83.2	21.0	42.7	60.6	6.2	35.6	3677	25635	32.1	26.7	8.5	99	84.5	20.6	47.4	66.2	6.7	26.3	3756	32017
MYCOGEN TMF2Q31	112	C250	2,4	32.6	25.3	8.3	98	79.6	25.0	46.4	56.1	6.0	30.8	3379	28083	33.4	29.0	9.6	99	78.7	26.5	49.2	56.6	6.0	25.6	3301	31913
NK Brand N72-G8	112	C250	1	40.4	22.7	9.0	98	83.3	19.5	39.1	57.0	6.1	41.5	3548	31759	42.2	22.1	9.2	97	82.1	21.4	42.0	57.4	5.9	38.3	3407	31336
NK Brand N82-J6	116	C250	2,4	35.6	20.2	7.1	84	82.4	20.5	40.2	56.1	6.0	39.1	3548	25084	33.5	24.3	8.1	92	79.8	25.1	48.4	58.3	6.4	27.9	3398	27375
NK Brand N91-J1	124	C250	2,4	29.2	25.0	7.4	97	78.0	28.1	51.8	57.6	5.7	27.5	3283	24321	30.2	31.1	9.4	97	77.7	28.5	52.9	57.6	6.4	21.0	3329	30470
PIONEER 33A87	116	P1250	2,4	36.4	22.9	8.5	97	81.8	20.7	40.4	55.1	6.0	38.8	3500	29791	33.3	27.6	9.1	86	78.7	26.3	48.8	56.1	6.1	26.1	3299	30035
RUPP XS1904	113	C250	1	37.0	19.3	7.2	88	79.7	22.3	43.1	53.0	6.8	36.0	3352	24153	36.7	23.3	8.6	89	78.6	24.9	46.9	54.4	6.2	32.6	3261	28117
SCHLESSMAN SX-723YGCB	113	C125	2	36.7	21.7	8.0	85	83.4	19.2	38.3	56.5	6.1	39.6	3628	29216	37.0	23.6	8.6	81	81.6	22.3	43.1	57.2	6.7	33.2	3501	30203
WELLMAN W2615	115			34.9	20.6	7.1	79	82.6	20.4	40.3	56.8	6.1	38.8	3596	25407	37.6	23.7	8.9	84	82.2	21.6	41.3	57.0	6.2	37.1	3525	31277
WELLMAN W2713	113			37.3	21.6	8.1	99	82.6	18.7	37.7	53.8	6.1	40.8	3542	28942	36.0	25.7	9.3	96	80.0	24.7	47.2	57.6	6.1	31.0	3406	31499
AVERAGE				35.6	22.2	7.8	94	81.8	21.2	41.4	56.0	6.2	37.5	3516	27505	36.2	24.7	8.9	92	80.8	23.6	45.4	57.6	6.3	31.8	3435	30472
HIGHEST				40.4	25.3	9.0	100	83.6	18.1	51.8	61.5	7.4	42.2	3685	31759	42.2	31.1	9.6	99	84.0	28.5	52.9	66.3	6.8	38.6	3756	32563
LOWEST				29.2	19.3	6.9	79	78.0	18.3	37.2	53.0	5.4	27.5	3283	24153	30.2	20.9	7.3	81	77.7	20.2	40.7	54.4	5.9	21.0	3239	27375
CV (%)				6.1	8.7	8.0	6	1.5	7.3	5.6	2.9	8.8	6.1	3	8	4.4	4.8	4.9	4	1.4	7.2	5.3	2.2	6.0	7.8	3	6
LSD (5%)				3.1	2.7	0.9	8	1.7	2.2	3.3	4.6	0.8	6.4	255	3115	2.3	1.3	0.6	11	3.1	4.8	6.8	1.8	0.5	7.0	239	5122

		LENAWEE - LATE										WOOD (OHIO) - LATE															
		YIELD					% QUALITY					YIELD					% QUALITY										
BRAND / HYBRID	RM	TRT	Trait	%DM	GTIA	DTIA	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	MKMT	MKIA	CP	Stch	MILK 2000	MKMT	MKIA						
2 Year Averages				41.8	20.0	8.1	96	83.5	17.8	35.2	52.7	6.0	42.9	3488	28054	38.8	24.3	9.4	92	81.4	21.5	41.2	54.9	6.2	37.9	3464	32442
DAIRYLAND STEALTH-1615	112	P250	1,2	41.9	19.8	8.0	99	82.0	18.7	37.2	51.2	6.4	42.0	3375	27066	37.5	23.8	8.9	96	80.2	21.9	42.2	52.8	6.4	36.2	3367	29917
DEKALB DKC61-45 (RR2YGCB)	111	P250	1	36.0	23.8	8.5	96	80.8	22.5	42.5	54.6	6.6	34.5	3432	29267	32.3	28.2	9.1	92	78.7	26.7	48.6	56.1	6.5	26.6	3320	30085
DYNAGRO 58K56	116	P250	1	42.4	20.6	8.6	97	82.9	16.7	34.2	49.4	6.8	44.1	3403	29211	38.7	23.2	9.0	94	81.1	20.6	40.1	52.7	6.6	37.6	3420	30814
GOLDEN HARVEST H-8920	111	C250	1	43.0	20.2	8.3	97	82.6	19.9	38.8	54.1	5.9	39.8	3437	28415	41.7	22.7	9.5	95	80.7	22.0	42.2	53.8	5.8	36.5	3326	31420
ICORN 111.E3	111	C125	2,4	40.4	19.6	7.8	91	83.3	18.2	36.2	53.5	6.3	42.0	3508	27404	33.6	25.8	8.6	93	79.9	24.0	45.4	55.4	6.4	31.9	3405	29365
NK Brand N82-J6	124	C250	2,4	32.2	26.1	8.4	98	78.3	27.3	49.2	55.9	6.3	27.0	3299	27879	29.9	31.2	9.3	98	76.7	28.7	51.9	55.0	6.5	21.4	3162	29542
NK Brand N91-J1	113	C250	1	40.3	20.7	8.4	93	80.7	20.6	39.3	50.7	6.6	38.7	3339	28081	36.3	25.2	9.2	91	79.0	24.5	45.1	53.5	6.3	33.4	3313	30427
RUPP XS1904	115			40.6	19.5	7.8	83	84.3	17.4	34.8	54.3	6.0	43.2	3579	27877	38.6	24.3	9.3	88	82.1	20.9	39.8	55.0	6.2	38.2	351	

TABLE 8E. HURON, INGHAM & KENT COUNTY SILAGE TRIALS - EARLY (103 Day and Earlier)

BRAND / HYBRID	RM	TRT	Trait	EARLY - TRIAL AVERAGE											HURON - EARLY - ZONE 3												
				YIELD					% QUALITY						YIELD					% QUALITY						MILK 2000	
				%DM	GT/A	DT/A	%Std	Stch	IVD	ADF	NDF	NDFD	CP	Stch	MK/A	MK/A	%DM	GT/A	DT/A	%Std	Stch	IVD	ADF	NDF	NDFD	CP	Stch
CROPLAN 491TS	102	C250	1,2,3	36.5	24.4	8.8	94	82.7	19.3	38.5	54.6	7.1	40.5	3525	31058	42.8	22.8	9.7	100	82.9	17.5	34.7	50.4	6.6	45.2	3404	33135
CROWS 2121S	101	C250	1,2	37.1	22.6	8.3	84	83.4	19.0	39.4	57.7	7.2	38.8	3615	30029	40.2	23.2	9.3	92	83.7	17.4	35.6	54.6	6.8	43.6	3594	33556
DAIRYLAND HI DF-3002	102	P250		35.9	24.1	8.6	87	81.1	21.0	41.5	54.4	6.5	37.4	3462	29719	38.6	23.2	8.9	99	79.7	21.6	41.8	51.5	6.1	38.7	3339	29827
DAIRYLAND HI DF-3094	94	P250		41.1	20.5	8.3	92	81.6	19.8	39.1	52.7	7.1	41.4	3366	27913	47.8	18.4	8.7	96	81.1	19.4	36.9	48.6	6.3	44.6	3176	27701
DAIRYLAND STEALTH-6503	103	P250	1	35.7	22.3	7.9	87	82.5	20.2	40.0	56.0	7.0	39.1	3559	27999	39.3	21.3	8.3	80	82.7	19.0	37.7	53.8	6.7	40.7	3528	29415
DAIRYLAND STEALTH-7201	101	P250	1,2	36.5	22.3	8.1	97	82.3	19.7	39.6	55.1	6.9	40.3	3527	28621	39.0	21.0	8.2	100	82.2	18.7	37.0	52.2	6.4	43.9	3490	28581
DEKALB DKC51-39 (RR2/YGPL)	101	P250	1,2,3	37.6	22.0	8.2	97	84.0	18.0	36.8	56.4	6.9	43.9	3645	29888	40.7	20.0	8.1	100	84.1	16.6	34.0	53.4	6.4	47.9	3596	29143
DYNAGRO 53G01	94	P250	1,3	40.6	20.2	8.1	90	83.0	17.7	36.5	53.3	6.8	44.0	3478	28317	43.9	18.3	8.0	96	82.7	16.4	33.7	48.4	6.5	48.7	3330	26784
DYNAGRO 54P72	98	P250	1,2	40.5	20.5	8.2	93	82.1	19.2	38.7	53.6	7.1	40.8	3408	27956	44.9	19.7	8.9	97	81.6	18.4	36.4	49.3	6.5	44.9	3238	28652
DYNAGRO CX06000	97	P250	1,2,3	38.3	22.2	8.4	98	83.3	18.3	37.6	55.5	6.9	42.9	3565	29980	43.0	20.5	8.7	100	82.1	18.5	37.0	51.6	6.3	45.7	3361	29269
GOLDEN HARVEST H-7935Hx	103	C250	2,4	35.6	24.2	8.6	98	82.9	18.9	38.3	55.3	7.2	40.5	3570	30545	40.5	23.5	9.4	100	83.6	17.5	35.5	54.2	6.7	43.6	3578	33821
GREAT LAKES 4689BRR	96	P250	1,2	39.4	20.1	7.9	88	83.4	17.6	36.0	53.4	7.2	42.5	3525	27715	44.4	19.6	8.7	97	84.0	15.2	30.8	48.3	6.9	48.7	3411	29575
HYLAND SEEDS HLS034	92	P250		40.9	19.9	8.0	84	83.1	19.0	38.5	55.7	7.3	40.3	3493	27872	48.6	17.1	8.3	91	82.3	17.5	35.1	49.7	6.9	46.0	3216	26782
HYLAND SEEDS HLS041	93	P250		38.8	19.9	7.7	84	84.3	17.7	36.5	56.8	7.2	41.2	3633	27829	44.0	18.2	8.0	98	84.6	16.1	33.4	53.9	6.7	46.3	3526	28170
HYLAND SEEDS HLS047	95	P250		39.1	22.0	8.6	91	82.6	19.8	39.9	56.2	7.2	39.7	3508	29885	44.8	20.3	9.0	93	80.5	20.2	39.0	50.2	6.6	42.2	3195	28818
HYLAND SEEDS HLS058	101	P250		35.1	24.5	8.5	98	81.1	21.1	41.2	54.0	6.7	36.8	3448	29437	39.0	23.4	9.1	100	80.6	20.9	39.4	51.0	5.8	39.5	3388	30803
HYLAND SEEDS HLS067	103	P250		33.1	23.5	7.7	82	81.0	22.5	43.7	56.2	6.9	31.8	3474	26796	36.5	22.8	8.3	96	81.0	21.1	40.5	53.1	6.3	35.3	3478	28859
HYLAND SEEDS HLSR42	93	P250	1	38.8	20.6	7.9	99	83.9	17.9	37.0	56.5	7.4	41.6	3592	28210	44.6	17.8	7.9	99	83.4	17.2	35.2	52.6	7.0	46.1	3407	26898
HYLAND SEEDS HLSR59	101	P250	1	34.0	24.5	8.3	80	81.0	21.9	42.9	55.4	7.0	32.2	3460	28635	38.3	23.8	9.1	86	81.6	19.1	37.6	50.9	6.2	39.1	3471	31721
MIDWEST 71101T	102	C250		38.4	22.0	8.4	99	84.1	18.5	38.1	58.2	6.8	42.0	3660	30798	41.4	20.8	8.6	100	83.0	18.5	37.2	54.3	6.5	44.5	3500	30214
MYCOGEN 2R421	96	C250	1,3	41.1	20.6	8.4	98	83.3	17.6	36.1	53.6	6.8	44.5	3489	29207	46.8	17.3	8.2	100	83.0	16.7	33.7	49.5	6.5	48.3	3280	26773
MYCOGEN F2F444	102	C250	7	36.7	20.2	7.4	100	86.5	17.6	38.0	64.3	7.4	38.8	3903	28725	40.3	18.7	7.5	100	86.4	16.4	35.8	61.6	6.9	42.4	3840	28935
MYCOGEN TMF2T497	100	C250	8	38.1	22.5	8.5	99	80.9	21.3	42.3	54.7	6.8	35.3	3397	28750	42.8	20.0	8.5	100	80.3	20.6	40.4	51.3	6.1	38.8	3264	27704
PIONEER 36K69	103	P1250	1,2,4	34.2	26.2	8.9	98	82.3	21.1	41.2	57.1	6.8	37.4	3586	31876	35.6	26.3	9.3	99	81.7	21.0	40.1	54.7	6.3	38.2	3552	32926
PIONEER 38B86	97	P1250	1,2,4,11	39.6	19.7	7.8	79	83.3	18.4	37.6	55.5	7.5	40.7	3550	27631	41.5	20.4	8.4	82	84.2	16.9	34.7	54.1	7.3	43.4	3579	30145
PIONEER 38H65	99	P1250	1,2,4,11	41.3	20.3	8.3	99	84.8	17.1	35.9	57.7	6.8	43.4	3616	29941	47.3	18.8	8.8	100	85.1	15.8	33.1	54.9	6.2	47.4	3453	30611
RENK RK438RRYGPL	92	C250	1,2,3	42.0	19.6	8.1	96	84.9	16.3	34.0	55.6	6.9	46.6	3592	29041	47.9	16.9	8.0	100	83.5	16.6	33.5	50.9	6.4	49.7	3323	26536
RENK RK632YGCB	100	C250	2	37.0	21.8	8.0	98	82.4	19.7	39.4	55.4	7.0	40.6	3540	28432	39.2	20.9	8.3	100	82.0	19.4	38.1	52.7	6.6	43.3	3465	28680
RUPP XR8758	98	C250	1,2	38.9	22.2	8.6	96	82.4	19.8	39.3	55.2	6.9	40.7	3485	29850	43.0	19.2	8.3	100	82.5	18.7	37.2	52.8	6.2	44.6	3407	28301
TRELAY 4B268	96	P250	2	43.5	19.3	8.3	100	81.9	18.6	37.5	51.5	6.7	44.3	3310	27318	50.9	16.4	8.3	100	81.8	17.6	34.8	47.3	6.3	49.3	3136	26073
TRELAY 5N103	100	P250	1,2	37.1	21.8	8.1	92	82.4	19.5	39.1	55.1	7.1	40.6	3534	28455	40.4	21.9	8.9	98	83.0	19.0	37.8	54.9	6.6	42.5	3544	31476
TRELAY 5N503	100	P250	1,2	39.2	21.4	8.3	99	82.8	19.1	38.3	54.8	6.8	41.9	3496	29141	43.8	20.1	8.8	100	83.4	16.9	33.7	50.6	6.3	47.5	3413	30097
AVERAGE				38.2	21.8	8.2	93	82.8	19.2	38.7	55.5	7.0	40.4	3532	28987	42.5	20.4	8.6	97	82.6	18.2	36.3	52.1	6.5	44.1	3421	29374
HIGHEST				43.5	26.2	8.9	100	86.5	22.5	43.7	64.3	7.5	46.6	3903	31876	50.9	26.3	9.7	100	86.4	21.6	41.8	61.6	7.3	49.7	3840	33821
LOWEST				33.1	19.3	7.4	79	80.9	16.3	34.0	51.5	6.5	31.8	3310	26796	35.6	16.4	7.5	80	79.7	15.2	30.8	47.3	5.8	35.3	3136	26073
CV (%)				5.2	6.6	6.3	5	1.3	8.9	6.5	2.6	5.0	6.2	2	7					1.4	9.1	7.0	3.0	4.8	5.1	3	6
LSD (5%)				1.3	1.0	0.3	3	0.7	1.1	1.7	1.0	0.2	1.7	56	1399					1.6	2.3	3.6	4.4	0.4	3.2	124	2622

- 2 Year & 3 Year Averages Continue on page 47.

2006 BRAND /HYBRID	RM	TRT	Trait	INGHAM - EARLY - ZONE 2										KENT - EARLY - ZONE 2													
				YIELD					% QUALITY					YIELD					% QUALITY								
				%DM	GT/A	DT/A	%Std	Strech	IVD	ADF	NDF	NDFD	CP	MILK 2000 MK/T	MK/A	%DM	GT/A	DT/A	%Std	Strech	IVD	ADF	NDF	NDFD	CP	MILK 2000 MK/T	MK/A
CROPLAN 491T5	102	C250	1,2,3	32.1	27.2	8.8*	100	80.9	22.5	43.6	56.1	7.0	37.0	3465	30479	34.7	23.1	7.9	83	84.1	18.1	37.1	57.0	7.6	39.0	3697	29354
CROWS 2121S	101	C250	1,2	32.4	24.5	8.0	95	81.4	22.9	45.6	59.0	6.7	34.4	3526	28095	38.6	19.8	7.6	65	85.0	16.9	37.0	59.3	8.0	38.3	3710	28266
DAIRYLAND HI DF-3002	102	P250		34.3	26.8	9.2**	96	81.0	21.9	42.8	55.5	6.1	37.0	3470	31842	34.7	21.9	7.6	96	82.7	19.5	39.8	56.4	7.3	36.5	3575	27330
DAIRYLAND HI DF-3094	94	P250		36.0	22.4	8.1	88	80.7	21.6	42.5	54.7	7.2	38.5	3429	27715	40.8	20.5	8.2*	92	83.0	18.0	37.5	54.7	7.7	41.1	3499	28723
DAIRYLAND STEAL-TH-6503	103	P250	1	32.0	24.1	7.9	90	81.0	23.1	44.8	57.6	6.8	35.9	3428	27538	35.5	20.9	7.4	91	83.8	18.4	37.4	56.7	7.4	40.8	3660	26892
DAIRYLAND STEAL-TH-7201	101	P250	1,2	33.5	23.2	7.8	97	80.5	22.2	43.0	54.8	6.7	37.8	3429	26865	37.7	22.1	8.2*	91	83.7	18.9	39.1	56.3	7.7	38.4	3630	29934
DEKALB DKC51-39 (RR2/YGPL)	101	P250	1,2,3	34.2	24.9	8.5*	100	82.1	21.1	41.1	56.3	6.7	41.0	3555	30283	37.6	21.3	8.0	92	85.5	16.6	35.8	59.3	7.7	42.4	3765	30265
DYNAGRO 53G01	94	P250	1,3	37.5	23.4	8.7*	98	82.2	19.8	39.7	55.2	6.4	41.4	3528	30699	40.4	19.0	7.6	75	84.3	16.9	36.1	56.5	7.5	42.1	3593	27396
DYNAGRO 54P72	98	P250	1,2	35.3	24.1	8.4	96	81.0	21.7	42.7	55.4	6.8	37.4	3459	29246	40.8	18.7	7.5	84	84.1	16.9	36.2	56.1	7.9	41.2	3551	26590
DYNAGRO CX06000	97	P250	1,2,3	34.1	25.4	8.6*	100	82.1	20.4	40.8	56.0	6.7	40.7	3550	30595	38.5	21.2	8.1*	95	85.7	15.8	34.6	58.7	7.7	42.7	3785	30429
GOLDEN HARVEST H-7935HX	103	C250	2,4	31.2	27.4	8.5*	100	81.3	21.4	42.3	55.8	7.0	37.4	3494	29688	35.3	21.8	7.8	95	83.5	18.0	37.4	55.7	8.0	40.5	3620	28181
GREAT LAKES 4689BHR	96	P250	1,2	35.4	23.7	8.4	93	81.2	21.4	41.6	54.7	6.6	38.6	3476	29075	38.0	17.0	6.5	73	84.6	16.8	36.1	57.2	8.1	39.8	3669	23778
HYLAND SEEDS HLS034	92	P250		36.1	23.0	8.2	86	82.5	20.9	42.0	58.3	6.8	36.6	3579	29397	38.1	19.3	7.4	75	84.5	18.4	37.9	59.0	8.0	38.8	3699	27189
HYLAND SEEDS HLS041	93	P250		34.7	22.6	7.8	78	83.5	20.0	40.9	59.5	7.2	37.5	3680	28561	38.7	18.8	7.3	84	85.1	16.3	34.6	57.0	7.8	40.5	3714	27094
HYLAND SEEDS HLS047	95	P250		34.7	24.8	8.6*	90	82.5	21.7	43.0	59.4	7.0	36.4	3612	30933	38.1	21.2	8.1*	90	84.5	17.9	38.0	59.3	8.0	39.7	3710	29994
HYLAND SEEDS HLS058	101	P250		31.2	28.1	8.7*	99	80.9	21.9	43.1	55.6	6.5	37.5	3464	30119	34.9	22.3	7.8	95	81.4	20.8	41.7	55.5	7.7	32.7	3480	27128
HYLAND SEEDS HLS067	103	P250		28.9	26.3	7.5	82	79.4	26.1	49.9	58.6	6.6	26.7	3378	25525	33.8	21.6	7.3	69	82.5	20.5	40.8	57.0	7.9	33.2	3570	26076
HYLAND SEEDS HLSR42	93	P250	1	33.9	23.9	8.2	99	82.7	20.2	40.8	57.7	7.4	38.3	3609	29612	37.8	19.5	7.4	99	85.6	16.3	35.0	59.0	7.8	40.4	3759	27641
HYLAND SEEDS HLSR59	101	P250	1	29.9	26.8	8.2	83	79.9	25.1	48.0	58.0	7.1	27.7	3405	27848	34.2	22.0	7.5	71	81.9	21.2	42.5	57.3	7.6	30.4	3527	26530
MIDWEST 71101T	102	C250	1	35.8	23.3	8.4	100	82.4	21.4	42.2	58.3	6.5	39.0	3591	29997	38.5	21.9	8.3*	98	86.6	15.7	35.1	61.8	7.5	42.3	3872	32217
MYCOGEN 2R421	96	C250	1,3	37.6	24.5	9.1*	100	82.4	18.9	38.4	54.1	6.7	43.1	3523	32100	38.2	20.4	7.8	95	84.4	17.1	36.2	56.8	7.4	41.9	3654	28515
MYCOGEN F2F444	102	C250	7	33.0	22.4	7.2	100	85.5	19.9	41.4	65.0	7.5	36.2	3871	28118	36.4	20.3	7.4	100	87.8	16.0	36.4	66.4	7.9	38.1	4017	29746
MYCOGEN TMF21497	100	C250	8	33.8	27.3	9.2**	100	79.2	24.6	47.6	56.3	6.5	30.8	3343	30656	37.4	20.4	7.7	95	83.0	18.7	39.1	56.5	7.7	35.9	3580	27827
PIONEER 36K69	103	P1250	1,2,4	30.7	27.7	8.5*	100	80.9	24.1	45.3	57.8	6.4	35.4	3483	29497	35.8	25.1	8.9**	95	84.3	18.5	38.4	59.0	7.6	38.4	3714	33190
PIONEER 38886	97	P1250	1,2,4,11	36.6	21.1	7.6	77	80.8	22.2	43.5	55.9	7.2	37.0	3453	26321	40.8	18.0	7.3	76	85.2	15.8	34.0	56.4	8.2	42.6	3645	26573
PIONEER 38H65	99	P1250	1,2,4,11	37.4	22.3	8.3	100	83.2	19.9	40.1	58.2	6.4	40.4	3600	29902	39.2	20.0	7.8	98	86.1	15.9	35.0	60.3	7.8	41.4	3794	29623
RENK RK438RRYGPL	92	C250	1,2,3	37.3	24.0	8.8*	100	84.3	18.0	36.8	57.3	6.8	44.0	3684	32471	40.6	18.7	7.5	88	86.9	14.4	31.8	58.9	7.7	46.0	3777	28255
RENK RK632YGGB	100	C250	2	34.2	23.6	8.1	100	81.7	21.0	41.5	55.8	7.0	38.7	3522	28443	37.0	20.7	7.8	94	83.7	18.6	38.5	57.5	7.6	39.7	3622	28173
RUPP XR8758	98	C250	1,2	34.2	25.1	8.7*	99	80.3	23.4	45.0	56.2	6.9	35.4	3423	29910	39.1	22.1	8.6*	90	84.6	16.8	35.3	56.3	7.6	42.5	3638	31304
TRELA 4B288	96	P250	2	35.8	21.9	7.9	100	80.0	22.3	43.2	53.7	6.6	38.7	3375	26841	44.8	19.2	8.5*	99	84.0	15.9	34.5	53.6	7.1	44.7	3425	29274
TRELA 5N103	100	P250	1,2	33.4	22.4	7.6	94	79.3	23.7	44.8	53.6	6.7	36.1	3327	25291	37.8	20.4	7.7	85	84.9	16.3	35.1	57.0	7.9	42.5	3728	28503
TRELA 5N503	100	P250	1,2	34.3	23.6	8.0	100	79.7	23.7	45.2	55.2	6.3	36.2	3377	26998	39.2	20.5	8.2*	97	85.2	16.6	35.8	58.7	7.7	42.0	3700	30191
AVERAGE				34.1	24.4	8.3	95	81.4	21.8	42.9	56.7	6.8	37.2	3505	29083	37.9	20.6	7.8	88	84.4	17.4	36.9	57.8	7.7	39.9	3668	28502
HIGHEST				37.6	28.1	9.2	100	85.5	26.1	49.9	65.0	7.5	44.0	3871	32471	44.8	25.1	8.9	100	87.8	21.2	42.5	66.4	8.2	46.0	4017	33190
LOWEST				28.9	21.1	7.2	77	79.2	18.0	36.8	53.6	6.1	26.7	3327	25291	33.8	17.0	6.5	65	81.4	14.4	31.8	53.6	7.1	30.4	3425	23778
CV (%)				5.7	5.3	5.7	4	1.5	8.6	6.4	2.5	5.9	7.7	3	7				6	1.0	8.5	5.9	2.4	3.9	5.5	2	8
LSD (5%)				2.7	1.8	0.7	6	1.7	2.7	3.9	2.0	0.6	4.0	127	3005	2.6	1.9	0.8	8	2.4	4.2	3.1	1.9	0.4	3.1	94	3054

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TABLE 8L.

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

ZONE 2 - 3

		LATE - TRIAL AVERAGE											HURON - LATE - ZONE 3											
		YIELD					% QUALITY						YIELD					% QUALITY						
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	
BRAND / HYBRID	RM TRT Trait	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
ASGROW RX655RR2	107 P250 1	43.9	20.0	8.8	99	81.6	18.7	37.2	50.6	6.2	44.2	3291	28698	45.1	19.1	8.6	100	80.3	20.2	39.1	49.4	5.6	44.6	3161
CROPLAN DS107RR	106 C250 1,2,3	43.1	20.2	8.7	99	83.4	17.1	35.1	52.8	6.5	44.9	3455	29964	40.5	21.2	8.5	100	84.0	16.6	34.5	53.5	6.4	45.1	3578
CROPLAN DS107RR	107 C250 1	37.1	23.0	8.4	96	79.4	22.8	43.7	52.8	6.3	33.9	3315	27930	35.0	23.2	8.1	99	77.5	24.7	46.3	51.3	5.8	33.1	3216
DAIRYLAND HI DF-3007	106 P250 1	38.7	23.1	8.8	99	81.9	19.9	39.9	54.7	6.3	40.8	3485	30835	36.3	24.3	8.7	100	80.7	21.3	41.6	53.3	5.7	40.1	3434
DEKALB DKC54-46 (RR2/YGPL)	104 P250 1,2,3	41.3	20.6	8.3	91	83.1	18.4	36.9	54.3	7.0	42.3	3501	29373	36.9	22.8	8.3	98	82.5	19.5	39.1	55.0	6.7	41.3	3579
DEKALB DKC57-79 (RR2/YGPL)	107 P250 1,2,3	40.1	23.1	9.3*	97	81.9	19.2	38.0	52.5	6.7	41.7	3428	31673	40.0	22.4	9.0	100	83.1	18.1	36.4	53.5	6.3	44.3	3539
DEKALB DKC58-19 (RR2)	108 P250 1	41.3	22.1	9.1	99	82.0	18.7	37.3	51.7	6.5	43.2	3394	30842	40.4	22.7	9.1*	99	80.7	19.4	38.1	49.1	6.2	44.5	3295
DYNAGRO 55B65	105 P250 1,2,3	40.3	21.5	8.6	87	82.2	18.8	37.7	53.1	6.8	41.1	3455	29687	36.9	24.0	8.8	98	82.0	19.7	39.0	53.9	6.5	40.7	3541
DYNAGRO 57B47	111 P250 1,2,3	39.6	22.6	8.9	95	83.2	17.9	36.6	53.9	6.7	42.4	3554	31538	39.4	23.5	9.1*	97	83.6	17.3	35.6	53.6	6.2	44.1	3594
DYNAGRO 57G50	112 P250 1,3	38.0	22.8	8.5	96	83.4	18.3	37.1	55.3	6.1	40.6	3615	30742	35.2	25.6	8.9	99	83.0	19.2	38.1	55.2	5.7	41.4	3642
DYNAGRO 57P12	115 P250 1,2	35.5	26.7	9.4*	96	83.3	19.3	38.3	56.5	6.6	39.2	3643	34168	33.4	30.0	9.9**	100	82.7	19.9	39.5	56.1	6.4	38.5	3624
GARST 8688GT	104 C250 1	42.4	21.4	9.0	94	83.8	17.1	34.8	53.5	6.4	42.8	3505	31383	40.8	23.4	9.5*	100	83.6	17.3	34.8	52.8	6.3	43.6	3537
GREAT LAKES 5416RR	104 P250 1	42.5	20.3	8.5	96	83.4	17.8	35.6	53.4	6.4	45.5	3471	29724	42.7	20.7	8.7	100	82.9	17.9	35.8	52.1	6.3	46.6	3425
NK Brand N49-E3	106 C250 8	41.1	21.7	8.8	99	83.2	19.0	38.3	56.1	6.6	40.2	3529	31170	40.1	22.8	9.1*	100	82.2	20.2	40.1	55.4	6.5	39.3	3495
NK Brand N58-D1	107 C250 2,4	41.4	22.1	8.9	95	83.8	17.7	36.5	55.6	6.7	41.9	3557	31961	37.4	25.2	9.3*	100	83.2	18.8	38.4	56.1	6.6	40.7	3637
NK Brand N65-Y3	109 C250 2,4	39.0	21.7	8.4	93	82.9	19.2	38.6	55.5	6.8	39.1	3558	29992	36.3	24.0	8.6	100	82.5	19.9	39.3	55.2	6.4	39.2	3600
PIONEER 34A86	107 P1250	41.5	21.8	8.9	96	83.1	19.3	39.0	56.7	6.5	41.3	3514	31349	41.1	21.7	8.8	99	81.1	22.4	43.4	56.2	5.9	38.9	3402
PIONEER 35A31	108 P1250 2,4,11,13	39.0	24.2	9.2*	95	83.5	18.4	36.9	56.3	6.6	42.0	3597	33363	38.2	25.8	9.7*	100	83.6	18.2	36.6	55.1	6.1	43.0	3637
PIONEER 35D29	105 P1250 2,4,11,13	38.0	25.5	9.6**	98	82.9	20.1	39.5	56.6	6.4	40.4	3586	34540	35.4	27.9	9.8*	100	82.0	17.4	41.6	56.4	6.0	39.4	3577
PIONEER 35F38	104 P1250	43.5	20.6	8.9	98	84.7	16.6	34.2	55.5	6.5	45.6	3555	31806	41.8	21.3	8.8	99	83.0	21.7	35.5	53.1	5.9	45.5	3493
TRELAY 56739	105 P250 2	44.0	21.2	9.3*	95	82.3	18.7	36.9	51.8	6.2	43.6	3335	31005	42.5	22.1	9.3*	96	82.3	18.3	36.2	50.7	6.2	44.8	3369
TRELAY 6K917	107 P250 1,2,3	43.5	19.4	8.3	95	82.9	17.2	35.3	51.6	6.5	44.6	3396	28402	44.2	18.6	8.1	96	84.2	15.5	32.4	51.2	6.1	48.1	3449
TRELAY 6R402	106 P250 1	44.4	20.6	8.9	100	81.1	19.2	38.0	50.1	6.2	43.9	3241	29127	44.1	20.8	9.0	100	81.3	19.1	37.4	49.8	5.7	46.2	3244
TRELAY 8K339	113 P250 1,2,3	38.9	24.0	9.3*	98	83.0	18.3	37.1	54.2	6.6	41.7	3566	33014	37.6	25.4	9.5*	100	83.3	18.0	36.7	54.3	6.4	42.3	3629
TRELAY 8R321	114 P250 1	40.1	21.3	9.1	99	81.7	18.4	37.2	52.1	6.4	43.7	3412	30307	34.9	20.5	8.7	100	80.4	18.9	37.7	52.1	5.9	46.4	3415
AVERAGE		40.7	22.1	8.9	96	82.7	18.6	37.4	53.9	6.5	42.0	3478	30896	39.0	23.2	9.0	99	82.2	19.2	38.1	53.4	6.1	42.5	3484
HIGHEST		44.4	26.7	9.6	100	84.7	22.8	43.7	56.7	7.0	45.6	3643	34540	45.1	30.0	9.9	100	84.2	24.7	46.3	56.4	6.7	48.1	3642
LOWEST		35.5	19.4	8.3	87	79.4	16.6	34.2	50.1	6.1	33.9	3241	27930	33.4	18.6	8.1	96	77.5	15.5	32.4	49.1	5.6	33.1	3161
CV (%)		5.5	7.3	6.5	5	1.3	7.6	5.6	2.6	5.1	5.1	2	7	5.0	6.8	6.2	2	1.4	8.0	5.9	2.6	5.5	5.4	2
LSD (5%)		1.5	1.1	0.4	3	0.7	1.0	1.4	0.9	0.2	1.5	55	1438					3.2	2.2	3.2	1.9	0.5	3.3	224

		LATE - TRIAL AVERAGE											HURON - LATE - ZONE 3											
		YIELD					% QUALITY						YIELD					% QUALITY						
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	
BRAND / HYBRID	RM TRT Trait	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
ASGROW RX655RR2	111 P250 1,2,3	42.7	21.7	9.1*	96	82.1	18.9	36.8	51.1	6.5	42.0	3391	30894	44.7	20.8	9.1**	98	81.8	18.2	36.1	49.5	6.0	44.3	3333
DYNAGRO 57B47	106 C250 8	42.9	20.9	8.8	98	83.0	19.0	36.9	53.8	6.8	41.1	3461	30571	44.0	20.3	8.8*	100	82.3	19.0	37.2	52.1	6.5	42.5	3389
NK Brand N49-E3	109 C250 2,4	42.8	21.0	8.9	96	82.3	19.8	37.9	53.2	6.5	39.6	3428	30376	42.5	21.1	8.7*	100	81.7	20.0	38.1	52.0	6.1	41.4	3399
NK Brand N65-Y3	107 P1250	45.7	20.5	9.2*	98	82.4	19.1	37.6	52.9	6.5	42.7	3362	31022	47.6	19.7	9.1**	100	80.8	20.6	40.0	51.7	6.0	42.4	3258
PIONEER 34A86	105 P250 2	47.9	20.1	9.4**	97	81.7	18.8	36.0	49.1	6.2	44.5	3247	30687	50.3	18.8	9.1**	97	81.6	17.7	34.7	46.8	6.1	47.4	3222
TRELAY 56739	105 P250 2	44.4	20.9	9.1	97	82.3	19.1	37.0	52.0	6.5	42.0	3378	30710	45.8	20.1	9.0	99	81.7	19.1	37.2	50.4	6.2	43.6	3320
AVERAGE		47.9	21.7	9.4	98	83.0	19.8	37.9	53.8	6.8	44.5	3461	31022	50.3	21.1	9.1	100	82.3	20.6	40.0	52.1	6.5	47.4	3399
HIGHEST		42.7	20.1	8.8	96	81.7	18.8	36.0	49.1	6.2	39.6	3247	30376	42.5	18.8	8.7	97	80.8	17.7	34.7	46.8	6.0	41.4	3222
LOWEST		5.6	6.8	6.1	4	1.5	8.9	6.4	3.4	4.7	6.0	3	6	4.8	6.1	5.6	2	1.6	9.1	6.4	4.0	4.8	6.1	3
CV (%)		1.1	0.7	0.3	2	0.6	0.8	1.1	0.9	0.1	1.2	46	948					1.1	1.4	2.0	1.8	0.2	2.2	76
LSD (5%)																								

		LATE - TRIAL AVERAGE											HURON - LATE - ZONE 3											
		YIELD					% QUALITY						YIELD					% QUALITY						
		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	MILK 2000	
BRAND / HYBRID	RM TRT Trait	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
ASGROW RX655RR2	106 C250 8	42.7	21.3	9.0	99	83.0	18.7	36.5	53.4	6.8	40.5	3465	31101	44.0	18.8	8.2	100	82.8	18.7	36.8	53.1	6.5	41.9	3476
NK Brand N49-E3	106 C250 8	42.7	21.3	9.0																				

2006																											
INGHAM - LATE - ZONE 2																											
BRAND / HYBRID	RM	TRT	Trait	% QUALITY						YIELD			MILK YIELD														
				IVD	ADF	NDF	NDFD	CP	Strech	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strech	MK/MT	MK/A						
ASGROW RX655RR2	107	P250	1	81.2	19.3	37.9	50.3	6.0	42.5	3336	33803	45.2	16.6	7.5	96	83.4	16.6	34.6	52.1	7.0	45.4	3376	25367				
CROPLAN 566TS	106	C250	1,2,3	82.7	18.1	36.1	52.2	6.0	45.1	3354	33259	43.6	17.7	7.6	89	83.6	16.6	34.7	52.7	7.1	44.6	3433	26144				
CROPLAN DS107RR	107	C250	1	78.2	25.1	47.0	53.5	5.9	30.1	3284	31127	41.4	18.7	7.7	91	82.5	16.5	37.9	53.7	7.3	38.6	3446	26605				
DAIRYLAND HI DF-3007	106	P250	1	81.4	20.8	40.6	54.2	6.1	40.0	3488	32877	42.3	19.8	8.4	96	83.7	17.7	37.4	56.6	7.2	42.2	3532	29702				
DEKALB DKC54-46 (RR2/YGPL)	104	P250	1,2,3	41.1	22.4	9.1	94	82.8	18.8	36.9	53.6	6.6	42.7	3488	32030	45.8	16.5	7.6	81	84.1	16.8	34.8	54.4	7.6	43.0	3438	26154
DEKALB DKC57-79 (RR2/YGPL)	107	P250	1,2,3	37.6	24.9	9.4	96	78.1	23.8	43.9	50.1	6.3	38.1	3210	29996	42.8	22.0	9.5	95	84.5	15.8	33.6	53.9	7.6	42.8	3534	33371
DEKALB DKC58-19 (RR2)	108	P250	1	40.4	24.1	9.8	100	81.4	19.9	38.6	51.5	6.0	42.5	3383	32905	43.0	19.4	8.3	97	84.0	16.9	35.2	54.6	7.4	42.7	3506	30028
DYNAGRO 55865	105	P250	1,2,3	40.2	22.5	9.1	82	80.3	20.7	40.1	50.9	6.3	40.0	3319	30228	43.9	17.9	8.0	80	84.4	16.0	34.1	54.4	7.6	42.6	3505	27668
DYNAGRO 57847	111	P250	1,2,3	39.7	24.2	9.5	100	81.9	19.8	39.1	53.7	6.4	40.3	3469	33046	39.8	20.0	8.0	88	84.1	16.7	35.0	54.5	7.4	42.8	3600	28680
DYNAGRO 57G50	112	P250	1,3	39.1	23.5	9.0	96	82.6	19.5	39.1	55.6	5.9	37.3	3551	32145	39.6	19.2	7.6	92	84.7	16.1	34.2	55.1	6.8	43.1	3652	27630
DYNAGRO 57P12	115	P250	1,2	35.1	28.4	10.0	100	81.4	21.6	40.8	54.4	6.3	37.8	3500	34843	37.9	21.7	8.4	87	85.7	16.3	34.7	59.0	7.1	41.3	3804	31602
GARST 8688GT	104	C250	1	42.7	22.8	9.6	97	83.2	18.1	35.7	52.7	5.7	43.1	3442	32967	43.7	18.0	7.8	85	84.7	16.0	33.9	55.0	7.1	41.7	3535	27514
GREAT LAKES 5416RR	104	P250	1	41.1	21.8	8.8	100	82.2	19.6	37.7	52.8	6.0	44.4	3441	30612	43.6	18.5	8.1	87	85.2	15.9	33.2	55.3	7.0	45.6	3547	28692
NK Brand N49-E3	107	C250	8	41.7	24.0	9.8	100	82.3	20.3	39.5	55.0	5.7	39.4	3442	34013	41.6	18.4	7.6	97	85.1	16.4	35.3	57.8	7.7	41.8	3650	27709
NK Brand N58-D1	106	C250	2,4	41.3	23.3	9.4	98	82.7	19.0	38.0	54.4	6.2	41.6	3442	33144	45.6	17.7	8.1	87	85.5	15.3	33.0	56.3	7.4	43.5	3552	28919
NK Brand N65-Y3	109	C250	2,4	38.8	23.0	9.0	99	81.3	21.5	41.4	54.7	6.4	37.6	3464	31284	41.9	18.2	7.7	79	84.8	16.3	35.0	56.6	7.7	40.6	3610	27768
PIONEER 34A86	107	P1250	1	40.3	24.4	9.7	100	82.4	19.9	39.4	55.2	6.1	41.2	3498	33988	43.1	19.3	8.3	89	85.8	15.7	34.3	58.7	7.5	43.8	3641	30077
PIONEER 35A31	105	P1250	2,4,11,13	36.6	24.9	9.0	99	81.9	20.6	39.4	53.9	6.4	40.6	3528	31905	42.2	21.8	9.0	86	85.1	16.3	34.6	56.9	7.3	42.5	3627	32871
PIONEER 35D29	113	P250	1,2,3	39.6	24.1	9.5	100	81.2	21.6	41.1	54.7	5.9	40.3	3445	32758	39.1	24.5	9.6	93	85.2	17.4	35.9	58.7	7.3	41.5	3736	35843
PIONEER 35F38	104	P1250	1	42.8	22.4	9.6	99	83.8	18.0	35.4	54.2	6.2	44.6	3507	33769	45.8	18.1	8.4	95	87.0	14.0	31.6	59.2	7.4	46.6	3665	30802
TRELAY 5B739	105	P250	2	43.5	21.7	9.5	97	81.0	20.6	39.4	51.7	5.7	41.3	3280	31026	46.0	19.9	9.1	93	83.5	17.1	35.1	53.1	6.8	44.8	3356	30541
TRELAY 6K917	107	P250	1,2,3	42.3	21.9	9.1	98	81.7	18.8	37.4	50.9	6.0	43.8	3342	30655	43.9	17.7	7.8	91	82.9	17.2	36.2	52.6	7.3	41.8	3396	28503
TRELAY 6R402	106	P250	1	40.7	22.7	9.1	100	79.8	21.2	40.4	49.9	6.0	41.4	3250	29706	48.5	18.4	8.7	100	82.3	17.3	36.1	50.7	6.8	44.2	3230	28290
TRELAY 8K339	113	P250	1,2,3	38.3	25.5	9.7	100	81.2	20.4	39.3	51.8	5.9	40.8	3439	33331	40.8	21.1	8.6	93	84.6	16.6	35.2	56.5	7.5	42.0	3631	31222
TRELAY 8R321	114	P250	1	39.4	25.1	10.5	100	80.9	19.9	38.9	51.8	5.7	41.2	3440	34575	45.9	18.3	8.0	97	83.9	16.5	35.0	52.5	7.5	43.6	3380	27539
AVERAGE				40.1	23.8	9.5	98	81.5	20.3	39.3	52.9	6.1	40.7	3415	32400	43.1	19.2	8.2	91	84.4	16.5	34.8	55.2	7.3	42.9	3535	29050
HIGHEST				45.3	28.4	10.5	100	83.8	25.1	47.0	55.6	6.6	45.1	3551	34843	48.9	24.5	9.6	100	87.0	18.5	37.9	59.2	7.7	46.6	3804	35843
LOWEST				34.9	21.7	8.8	82	78.1	18.0	35.4	49.9	5.7	30.1	3210	29706	37.9	16.5	7.5	79	82.3	14.0	31.6	50.7	6.8	38.6	3230	25367
CV (%)				5.3	5.7	5.6	4	1.5	8.0	6.1	2.5	6.6	6.0	3	6	5.6	7.4	7.4	7	0.9	5.6	3.9	2.6	3.3	3.4	2	8
LSD (5%)				3.0	1.9	0.8	10	3.4	2.3	3.4	3.8	1.1	3.4	260	2740	3.4	2.0	0.9	9	1.1	1.3	1.9	2.0	0.7	2.1	100	3087

2 Year Averages																											
INGHAM - LATE - ZONE 2																											
BRAND / HYBRID	RM	TRT	Trait	% QUALITY						YIELD			MILK YIELD														
				IVD	ADF	NDF	NDFD	CP	Strech	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strech	MK/MT	MK/A						
DYNAGRO 57B47	111	P250	1,2,3	39.4	24.9	9.7	100	81.1	21.2	39.5	52.2	6.3	38.8	3411	33026	43.9	19.5	8.6	91	83.2	17.4	34.8	51.7	7.1	42.7	3429	29257
NK Brand N49-E3	106	C250	8	41.2	23.9	9.7	100	82.0	20.8	38.8	53.6	6.2	39.2	3438	33479	43.5	18.6	8.1	96	84.6	17.2	34.8	55.5	7.6	41.5	3555	28533
NK Brand N65-Y3	109	C250	2,4	39.5	24.1	9.6	100	81.0	22.5	41.1	53.8	6.3	36.1	3426	33052	46.4	17.7	8.2	89	84.1	17.0	34.5	53.7	7.1	41.3	3460	28558
PIONEER 34A86	107	P1250	1	42.2	22.7	9.5	100	81.7	20.8	39.2	53.2	6.0	40.8	3389	32331	47.3	19.2	9.0	94	84.5	16.0	33.6	53.8	7.5	44.9	3439	30876
TRELAY 5B739	105	P250	2	43.6	22.8	9.9	98	80.4	21.8	39.7	50.6	5.8	39.9	3236	32256	49.8	18.8	9.3	96	83.2	16.8	33.6	49.8	6.6	46.2	3281	30371
AVERAGE				41.2	23.7	9.7	100	81.3	21.4	39.7	52.7	6.1	39.0	3380	32829	46.2	18.8	8.6	93	83.9	16.9	34.2	52.9	7.2	43.3	3433	29519
HIGHEST				43.6	24.9	9.9	100	82.0	22.5	41.1	53.8	6.3	40.8	3438	33479	49.8	19.5	9.3	96	84.6	17.4	34.8	55.5	7.6	46.2	3555	30876
LOWEST				39.4	22.7	9.5	98	80.4	20.8	38.8	50.6	5.8	36.1	3236	32256	43.5	17.7	8.1	89	83.2	16.0	33.6	49.8	6.6	41.3	3281	28533
CV (%)				6.1	6.6	5.6	3	1.7	8.8	6.6	2.6	5.5	6.6	3	6	5.9	7.3	7.4	5	1.3	8.4	6.0	3.5	3.6	4.9	3	7
LSD (5%)				2.2	1.4	0.5	3	1.1	1.5	2.2	1.1	0.3	2.2	86	1600	2.2	1.2	0.5	4	0.9	1.2	1.7	1.6	0.2	1.7	78	1753

3 Year Averages																											
INGHAM - LATE - ZONE 2																											
BRAND / HYBRID	RM	TRT	Trait	% QUALITY						YIELD			MILK YIELD														
				IVD	ADF	NDF	NDFD	CP	Strech	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strech	MK/MT	MK/A						
NK Brand N49-E3	106	C250	8	41.8	24.1	9.9	100	82.2	19.8	37.5	52.5	6.2	39.9	3434	34224	42.3	21.1	8.8	97	84.0	17.7	35.1	54.5	7.7	39.8	3545	31178

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

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

2006		TRIAL AVERAGE											ALPENA														
BRAND /HYBRID	RM	TRT	Trait	YIELD						% QUALITY					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
CROPLAN 491TS	102	C250	1,2,3	34.3	24.1	8.1	92	83.2	20.2	40.6	58.6	7.5	35.8	3640	29619	35.1	24.6	8.6	93	85.3	18.5	37.5	60.7	7.2	37.2	3807	32822
DAIRYLAND HI DF-3087RR	87	P250	1	39.0	19.7	7.6	91	82.3	18.9	38.7	54.4	7.8	37.0	3481	26477	40.6	18.7	7.6	94	84.4	16.9	35.6	55.8	7.4	39.2	3584	27124
DAIRYLAND STEALTH-7196	96	P250	1,2	37.1	20.7	7.6	79	83.3	18.5	37.3	55.5	7.2	41.6	3586	27174	36.0	20.6	7.4	88	85.6	16.2	33.4	57.0	7.0	42.8	3798	28042
DEKALB DKC40-08 (RR2/YGCB)	90	P250	1,2	43.2	18.7	8.0	97	83.7	16.5	34.5	52.7	7.1	43.6	3458	27484	43.7	17.5	7.7	100	85.2	14.2	30.6	51.7	6.7	45.3	3504	26853
DEKALB DKC41-64 (RR2/YGCB)	91	P250	1,2	38.7	20.9	7.9	99	83.5	18.8	38.1	56.7	7.3	38.9	3566	26087	39.3	20.5	8.1	99	84.2	18.8	38.0	58.6	6.8	38.1	3647	29365
DYNAGRO 53F09	94	P250	2	37.3	21.3	7.9	94	83.4	18.4	37.6	55.7	6.9	40.9	3594	28297	38.0	20.6	7.9	94	85.0	16.5	34.3	56.5	6.9	42.1	3709	29122
DYNAGRO 53G01	94	P250	1,3	36.6	21.3	7.8	86	82.9	19.0	38.7	56.0	7.2	38.9	3574	27812	37.9	21.4	8.2	88	84.9	17.1	35.8	58.0	7.2	39.7	3701	30150
DYNAGRO 54P72	98	P250	1,2	39.1	22.3	8.7	92	83.4	17.8	36.7	54.9	7.5	39.8	3547	30798	39.6	21.5	8.5	95	85.5	15.7	33.3	56.7	7.4	41.1	3709	31452
DYNAGRO CX06000	97	P250	1,2,3	36.4	22.8	8.3	94	83.5	19.2	39.4	58.3	7.3	37.8	3628	30117	38.1	22.3	8.5	93	86.2	15.6	33.5	58.6	7.1	41.5	3792	32246
GARST 8866RR	95	C250	1	37.2	16.0	5.9	61	82.9	19.3	39.1	56.5	7.6	36.7	3562	21038	36.9	15.0	5.6	63	84.4	19.1	38.5	59.7	7.3	34.2	3711	20562
GARST 8922YG1	90	C250	2	38.7	21.7	8.3	95	84.0	17.9	36.8	56.8	6.9	41.6	3625	29962	39.3	20.5	8.1	96	86.4	15.7	33.3	59.0	6.7	42.6	3802	30494
LASER L-7H07B1	95	C250	2	38.4	22.0	8.4	99	83.3	18.5	37.9	55.9	6.8	40.8	3585	30008	38.8	21.0	8.1	98	85.0	16.4	34.2	55.8	6.8	42.3	3690	29879
MYCOGEN TME2N422	94	C250	1,8	38.4	21.8	8.2	96	82.7	19.4	38.7	55.4	6.8	38.1	3515	28926	40.3	20.6	8.3	98	84.5	18.0	36.2	57.0	6.6	38.3	3631	30182
MYCOGEN TME2R336	95	C250	8	37.7	21.4	8.0	95	82.9	18.9	38.6	55.8	7.8	37.0	3561	28300	37.6	18.7	7.1	94	84.2	17.9	36.6	56.9	7.6	36.6	3674	25984
NK Brand N31-P2	102	C250	4,8	37.7	21.4	8.0	96	82.6	19.7	40.3	56.8	7.9	33.4	3548	28290	37.4	20.3	7.6	93	84.1	18.6	38.6	58.7	7.9	33.0	3679	27880
NK Brand N33-H6	101	C250	8	36.1	23.6	8.5	92	82.4	19.8	39.8	55.7	7.5	36.4	3537	29834	35.8	22.6	8.1	93	83.5	19.8	39.8	58.5	7.4	33.6	3658	29568
PIONEER 388H6	97	P1250	1,2,4,11	38.9	18.7	7.2	78	84.0	18.0	37.1	56.8	7.8	39.8	3614	26044	38.7	16.9	6.6	84	84.0	18.8	37.7	57.3	7.2	38.2	3624	30788
PIONEER 388H6	99	P1250	1,2,4,11	40.6	20.0	8.0	98	84.7	16.7	35.4	56.8	7.2	41.3	3616	28883	41.3	19.7	8.1	98	86.3	15.1	32.7	57.9	6.8	42.0	3730	31377
PIONEER 38W22	92	P1250	2,4,11	38.9	19.9	7.7	91	84.2	17.4	36.4	56.8	7.9	39.0	3633	28042	39.5	18.9	7.5	93	86.2	15.7	33.9	59.5	7.5	40.1	3787	28252
RENK RK438RRYGPL	92	C250	1,2,3	38.8	21.7	8.3	99	83.2	19.3	36.9	57.1	7.1	39.6	3574	29686	41.5	19.5	8.1	98	85.5	16.9	34.4	57.7	6.6	42.3	3670	29573
AVERAGE				38.2	21.0	7.9	91	83.3	18.6	38.0	56.2	7.4	38.9	3572	28244	38.7	20.1	7.8	93	85.0	17.1	35.4	57.6	7.1	39.5	3695	28674
HIGHEST				43.2	24.1	8.7	99	84.7	20.2	40.6	58.6	7.9	43.6	3640	30798	43.8	24.6	8.6	100	86.4	19.8	39.8	60.7	7.9	45.3	3807	32822
LOWEST				34.3	16.0	5.9	61	82.3	16.5	34.5	52.7	6.8	33.4	3458	21038	35.1	15.0	5.6	63	83.5	14.2	30.6	51.7	6.6	33.0	3504	20562
CV (%)				5.5	6.0	6.7	5	1.3	8.0	6.1	3.1	4.4	6.3	2	7	4.2	7.0	6.8	4	0.9	5.9	4.2	3.5	4.8	3.9	2	7
LSD (5%)				1.4	0.8	0.4	3	0.7	1.0	1.6	1.2	0.2	1.7	54	1372	4.6	2.0	1.5	6	1.1	1.4	2.1	2.9	0.5	2.2	114	2792

2 Year Averages		TRIAL AVERAGE											ALPENA														
BRAND /HYBRID	RM	TRT	Trait	YIELD						% QUALITY					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
DYNAGRO 53F09	94	P250	2	36.7	20.1	7.3	95	83.3	18.9	37.8	55.8	7.1	40.2	3607	26385	38.3	18.6	7.1	97	84.4	17.7	35.3	55.8	6.5	42.2	3662	26051
GARST 8922YG1	90	C250	2	39.1	20.0	7.7	96	84.2	17.9	36.4	56.5	7.0	41.4	3628	28028	40.2	19.1	7.7	98	85.5	16.8	34.2	57.6	6.5	42.5	3711	28381
NK Brand N33-H6	101	C250	8	36.1	21.3	7.6	95	82.1	20.5	40.3	55.7	7.6	34.8	3526	27023	36.2	19.4	7.0	96	82.2	21.6	41.8	57.5	6.9	31.7	3565	25083
PIONEER 38W22	92	P1250	2,4,11	40.0	18.4	7.3	93	83.6	17.7	36.3	55.0	7.7	39.1	3551	25971	42.2	16.7	7.0	97	84.3	16.8	34.7	55.0	6.7	41.5	3545	24745
AVERAGE				38.0	19.9	7.5	95	83.3	18.8	37.7	55.8	7.3	38.9	3578	26862	39.2	18.4	7.2	97	84.1	18.2	36.5	56.5	6.6	39.4	3621	26065
HIGHEST				40.0	21.3	7.7	96	84.2	20.5	40.3	56.5	7.7	41.4	3628	28028	42.2	19.4	7.7	98	85.5	21.6	41.8	57.6	6.9	42.5	3711	28381
LOWEST				36.1	18.4	7.3	93	82.1	17.7	36.3	55.0	7.0	34.8	3526	25971	36.2	16.7	7.0	96	82.2	16.8	34.2	55.0	6.5	31.7	3545	24745
CV (%)				5.2	6.7	6.2	4	1.3	8.1	6.0	3.3	4.8	7.0	2	7	5.0	7.5	6.5	3	1.0	8.1	5.8	3.4	6.1	6.9	2	7
LSD (5%)				0.9	0.7	0.2	2	0.5	0.7	1.1	0.9	0.2	1.3	41	895	1.6	1.2	0.4	3	0.7	1.2	1.7	1.6	0.4	2.3	72	1540

3 Year Averages		TRIAL AVERAGE (Osceola not included)											ALPENA														
BRAND /HYBRID	RM	TRT	Trait	YIELD						% QUALITY					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
GARST 8922YG1	90	C250	2	38.5	18.3	7.0	98	82.8	19.8	39.6	56.6	6.9	37.4	3539	24885	38.2	20.1	7.6	99	84.3	18.9	37.6	58.2	6.6	38.8	3663	27898
NK Brand N33-H6	101	C250	8	35.2	19.2	6.8	96	80.1	23.1	44.2	55.0	7.4	30.1	3379	23013	34.8	20.8	7.2	98	80.7	23.5	44.3	56.7	6.9	29.4	3450	24830
PIONEER 38W22	92	P1250	2,4,11	40.3	16.6	6.7	96	82.3	19.0	38.1	53.6	7.3	37.3	3446	23126	40.5	17.8	7.1	98	83.3	18.3	36.6	54.4	6.8	39.1	3509	25033
AVERAGE				38.0	18.0	6.8	97	81.7	20.6	40.6	55.1	7.2	34.9	3455	23675	37.8	19.6	7.3	98	82.8	20.2	39.5	56.4	6.8	35.7	3541	25920
HIGHEST				40.3	19.2	7.0	98	82.8	23.1	44.2	56.6	7.4	37.4	3539	24885	40.5	20.8	7.6	99	84.3	23.5	44.3	58.2	6.9	39.1	3663	27898
LOWEST				35.2	16.6	6.7	96	80.1	19.0	38.1	53.6	6.9	30.1	3379	23013	34.8	17.8	7.1	98	80.7	18.3	36.6	54.4	6.6	29.4	3450	24830
CV (%)				4.9	6.7	5.9	4	1.3																			

TABLE 10.

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

ZONE 5

2006	TRIAL AVERAGE											ALGER																
	YIELD					% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000						
	RM	TRT	Trait	%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 BH375	85			36.3	14.5	5.3	82	79.6	22.8	45.7	55.2	8.2	32.5	3300	17319	32.1	14.5	4.7	73	80.4	22.7	46.2	57.6	8.9	30.2	3414	15908	
BAYSIDE 3731RR	86	1		39.9	16.3	6.5	84	82.5	19.9	41.3	57.5	7.6	37.6	3474	22271	35.1	16.0	5.6*	71	83.4	19.8	42.1	60.4	8.1	36.1	3649	20178	
BAYSIDE S084RR	84	P250	1	37.9	14.2	5.4	75	82.9	20.4	43.1	60.3	8.0	31.9	3561	18871	32.4	14.6	4.7	58	83.5	19.5	42.1	60.9	8.7	32.5	3670	17122	
DAIRYLAND DST-8711Bt	89	P250	2	40.8	18.0	7.4**	100	83.0	19.6	40.7	58.3	7.3	37.9	3506	25620	35.8	18.1	6.6**	100	83.2	19.8	41.4	59.8	7.5	37.3	3629	23747	
DAIRYLAND STEAL TH-7184	85	P250	1,2	36.8	17.9	6.6	100	82.7	19.5	40.5	56.8	7.7	37.2	3508	22922	31.8	18.6	5.9*	100	83.9	19.8	41.4	60.7	7.9	35.3	3688	21722	
DEKALB DKC38-33 (RR2/YGCB)	88	P250	1,2	38.1	17.4	6.6	87	82.3	19.6	40.5	56.2	7.9	37.5	3453	22586	32.5	18.6	6.0*	82	82.7	20.3	42.1	59.0	8.3	34.4	3591	21630	
DYNAGRO 51G25	84	P250	1,3	38.7	14.6	5.7	74	81.5	20.1	41.2	55.1	7.8	37.5	3404	19258	34.6	14.7	5.2	65	81.4	20.1	41.0	55.0	8.0	38.0	3450	17940	
DYNAGRO 52P81	85	P250	1,2	37.0	18.4	6.8	98	83.3	19.5	40.9	59.0	7.8	36.9	3603	24268	34.1	18.9	6.4*	98	83.6	19.7	41.7	60.7	7.8	35.7	3670	23446	
NK Brand N16-M1	82	C250	2,4	40.0	15.2	6.2	84	83.4	18.5	38.8	57.1	8.2	39.0	3513	21543	35.6	15.1	5.4*	75	82.9	19.3	40.3	57.5	8.5	36.7	3566	19376	
NK Brand N21-L4	86	C250		42.9	15.0	6.4	92	82.9	18.5	38.9	55.8	7.4	40.1	3429	21714	39.9	15.1	6.0*	84	83.6	18.5	39.6	58.4	7.5	39.5	3578	21207	
PIONEER 37A93	97	P1250	1,2	37.0	17.8	6.6	83	82.9	19.3	39.8	57.0	8.3	38.5	3548	23116	33.2	18.5	6.2*	80	83.2	18.9	39.3	57.5	8.7	38.8	3613	22418	
PIONEER 38H65	99	P1250	1,2,4,11	36.1	19.3	6.9	98	83.6	20.0	41.6	60.6	7.7	36.5	3668	25263	33.3	19.2	6.3*	98	84.7	19.4	41.2	62.8	7.8	36.9	3774	23726	
PIONEER 39D85	87	P250	1,2,4,11	40.1	16.0	6.4	90	82.6	19.7	40.7	56.9	7.9	37.7	3471	21979	34.8	16.8	5.9*	85	82.9	19.5	40.5	57.5	8.3	38.0	3588	20961	
RENK RK244	84	C250	2,4	39.3	13.2	5.2	51	81.1	20.7	41.5	54.4	8.3	36.6	3350	17141	34.0	13.5	4.6	39	81.5	20.7	41.7	55.6	8.9	36.2	3468	16025	
SPANGLER LFT38	97			33.9	20.5	6.8	83	82.0	22.1	43.9	58.8	7.6	34.5	3539	23978	30.1	21.6	6.4*	73	83.5	21.6	43.4	61.7	7.8	34.2	3671	23475	
WOLF RIVER VALLEY 2585LRR	85	1		36.5	17.4	6.4	71	82.1	21.2	44.5	59.5	8.5	32.2	3526	22155	32.8	16.6	5.4*	54	82.7	21.8	46.3	62.6	8.9	29.6	3623	19444	
AVERAGE				38.2	16.6	6.3	85	82.4	20.1	41.4	57.4	7.9	36.5	3491	21875	33.9	16.9	5.7	77	82.9	20.1	41.9	59.2	8.2	35.6	3603	20520	
HIGHEST				42.9	20.5	7.4	100	83.6	22.8	45.7	60.6	8.5	40.1	3668	25620	39.9	21.6	6.6	100	84.7	22.7	46.3	62.8	8.9	39.5	3774	23747	
LOWEST				33.9	13.2	5.2	51	79.6	18.5	38.8	54.4	7.3	31.9	3300	17141	30.1	13.5	4.6	39	80.4	18.5	39.3	55.0	7.5	29.6	3414	15908	
CV (%)				6.4	8.3	7.8	9	1.4	7.8	6.0	3.3	4.9	6.9	3	8	6.2	8.1	8.3	11	1.3	7.3	5.7	3.5	4.9	6.7	2	8	
LSD (5%)				2.0	1.1	0.4	6	1.0	1.3	2.1	1.6	0.3	2.1	73	1465		3.0	3.9	1.3	25	1.6	2.1	3.4	3.0	0.6	3.4	119	4702

2 Year Averages	TRIAL AVERAGE											ALGER															
	YIELD					% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000					
	RM	TRT	Trait	%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 BH375	85			34.7	15.5	5.4	91	79.6	23.2	45.7	55.4	8.3	29.5	3327	17760	31.9	15.5	4.9	86	80.0	23.5	46.1	56.6	8.6	28.8	3383	16638

2006	DELTA - EARLY											DELTA - EARLY (2 Year Averages)															
	YIELD					% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000					
	RM	TRT	Trait	%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 BH375	85			40.5	14.5	5.9	91	78.7	22.9	45.1	52.8	7.4	34.7	3186	18729	37.5	15.5	5.8	96	79.2	22.9	45.4	54.2	8.0	30.1	3272	18882
BAYSIDE 3731RR	86	1		44.6	16.6	7.4*	97	81.6	19.9	40.5	54.5	7.1	39.1	3300	24364												
BAYSIDE S084RR	84	P250	1	43.4	13.8	6.0	92	82.2	21.2	44.1	59.6	7.2	31.3	3452	20620												
DAIRYLAND DST-8711Bt	89	P250	2	45.7	17.8	8.1**	100	82.7	19.4	40.0	56.8	7.1	38.5	3384	27493												
DAIRYLAND STEAL TH-7184	85	P250	1,2	41.7	17.2	7.3*	100	81.4	19.1	39.5	52.8	7.5	39.1	3327	24122												
DEKALB DKC38-33 (RR2/YGCB)	88	P250	1,2	43.6	16.1	7.1*	92	81.9	18.8	38.9	53.3	7.4	40.5	3316	23542												
DYNAGRO 51G25	84	P250	1,3	42.8	14.4	6.1	83	81.5	20.0	41.4	55.2	7.7	36.9	3358	20575												
DYNAGRO 52P81	85	P250	1,2	39.8	17.8	7.1**	99	82.9	19.2	40.0	57.2	7.7	38.0	3536	25090												
NK Brand N16-M1	82	C250	2,4	44.3	15.3	6.9*	93	83.8	17.6	37.3	56.6	7.8	41.2	3460	23709												
NK Brand N21-L4	86	C250		45.9	14.8	6.8*	100	82.1	18.4	38.1	53.1	7.2	40.7	3280	22221												
PIONEER 37A93	97	P1250	1,2	40.7	17.0	6.9**	85	82.6	19.7	40.2	56.5	7.9	38.1	3482	23813												
PIONEER 38H65	99	P1250	1,2,4,11	38.9	19.4	7.5*	98	82.5	20.6	42.0	58.4	7.6	36.0	3562	26800												
PIONEER 39D85	87	P250	1,2,4,11	45.4	15.2	6.9*	96	82.3	19.8	40.8	56.3	7.4	37.4	3354	22996												
RENK RK244	84	C250	2,4	44.6	12.8	5.7	64	80.7	20.7	41.2	53.1	7.7	37.0	3232	18257												
SPANGLER LFT38	97			37.7	19.3	7.2*	92	80.4	22.5	44.3	55.8	7.3	34.7	3406	24480												
WOLF RIVER VALLEY 2585LRR	85	1		40.1	18.2	7.3*	88	81.4	20.6	42.6	56.4	8.1	34.7	3430	24866												
AVERAGE				42.5	16.3	6.9	92	81.8	20.0	41.0	55.5	7.5	37.4	3379	23230												
HIGHEST				45.9	19.4	8.1	100	83.8	22.9	45.1	59.6	8.1	41.2	3562	27493												
LOWEST				37.7	12.8	5.7	64	78.7	17.6	37.3	52.8	7.1	31.3	3186	18257												
CV (%)				6.2	8.5	7.4	6	1.6	8.3	6.3	2.8	4.7	7.1	3	8												
LSD (5%)				3.8	2.0	1.4	15	3.6	4.8	7.4	2.3	0.5	7.5	251	5323												

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2 Year Averages		EARLY - TRIAL AVERAGE											HURON - EARLY - ZONE 3														
BRAND / HYBRID	RM	TRT	Trait	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
DYNAGRO 54P72	98	P250	1,2	41.1	20.9	8.5*	96	81.8	19.6	38.1	52.1	7.1	40.9	3375	28594	43.5	20.9	9.1**	98	81.5	19.1	37.0	49.9	6.8	43.1	3285	29863
HYLAND SEEDS HLS034	92	P250		41.9	20.0	8.3*	89	82.0	20.3	39.3	54.0	7.2	39.1	3397	28165	45.5	19.6	8.9*	95	82.6	18.2	35.5	51.0	7.0	44.5	3329	29523
HYLAND SEEDS HLS041	93	P250		38.2	20.5	7.8	90	83.4	19.1	37.4	55.5	7.3	39.3	3587	27840	41.0	19.8	8.1	91	83.9	17.6	34.9	53.7	6.9	43.5	3564	28716
HYLAND SEEDS HLS047	95	P250		38.9	21.5	8.3*	87	82.0	21.0	40.3	55.5	7.3	37.4	3490	28880	42.2	21.4	9.0*	89	80.9	20.8	39.4	51.7	6.8	39.6	3312	29671
HYLAND SEEDS HLS058	101	P250		35.8	24.3	8.6**	99	80.5	22.3	41.7	53.4	6.7	35.9	3414	29441	37.1	24.6	9.1**	100	81.2	21.2	39.6	52.8	6.2	38.2	3472	31487
HYLAND SEEDS HLS067	103	P250		34.9	24.2	8.4*	89	80.5	23.2	43.7	55.3	7.0	32.7	3436	28866	35.8	24.8	8.9*	95	80.4	22.6	42.6	53.8	6.7	33.8	3438	30387
HYLAND SEEDS HLSR42	93	P250	1	38.7	20.6	7.9	98	83.3	19.2	37.5	55.5	7.4	39.5	3569	28246	42.5	20.1	8.5	98	84.0	17.4	34.6	53.5	7.2	44.3	3515	29732
HYLAND SEEDS HLSR69	101	P250	1	34.1	24.6	8.4*	88	80.7	22.9	42.9	54.9	7.0	32.4	3452	29894	35.9	25.2	9.0*	93	81.0	21.1	40.0	52.4	6.6	36.2	3458	31151
MYCOGEN TMF2T497	100	C250	8	38.5	22.5	8.6**	99	80.9	21.4	41.0	53.2	6.9	36.0	3397	29180	41.0	21.4	8.7*	100	81.5	19.9	38.2	51.5	6.5	40.1	3387	29559
AVERAGE				38.0	22.1	8.3	93	81.7	21.0	40.2	54.4	7.1	37.0	3457	28688	40.5	22.0	8.8	95	81.9	19.8	38.0	52.2	6.7	40.3	3418	30010
HIGHEST				41.9	24.6	8.6	99	83.4	23.2	43.7	55.5	7.4	40.9	3587	29441	45.5	25.2	9.1	100	84.0	22.6	42.6	53.8	7.2	44.5	3564	31487
LOWEST				34.1	20.0	7.8	87	80.5	19.1	37.4	52.1	6.7	32.4	3375	27840	35.8	19.6	8.1	89	80.4	17.4	34.6	49.9	6.2	33.8	3285	28716
CV (%)				5.9	7.3	6.5	4	1.5	9.1	6.6	2.9	5.3	6.9	3	7	4.6	5.4	5.5	3	1.5	9.2	7.1	3.0	4.5	5.9	3	6
LSD (5%)				1.1	0.8	0.3	2	0.6	0.9	1.2	0.8	0.2	1.3	46	1021	1.6	1.0	0.4	2	1.0	1.4	2.2	1.3	0.3	2.1	74	1428

3 Year Averages		EARLY - TRIAL AVERAGE											KENT - EARLY - ZONE 2														
BRAND / HYBRID	RM	TRT	Trait	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
HYLAND SEEDS HLS058	101	P250		35.5	24.6	8.7**	98	80.9	22.4	41.6	54.1	6.6	34.7	3450	29917	35.9	23.9	8.6**	100	81.5	22.4	41.6	55.4	6.2	34.2	3490	29891
HYLAND SEEDS HLS067	103	P250		35.1	24.0	8.4	91	80.7	22.9	42.9	55.0	7.0	32.6	3438	28794	35.3	23.8	8.4*	97	80.5	23.1	43.2	54.7	6.6	31.4	3402	28447
AVERAGE				35.3	24.3	8.5	95	80.8	22.6	42.3	54.5	6.8	33.6	3444	29355	35.6	23.9	8.5	98	81.8	22.8	42.4	55.1	6.4	32.8	3446	29169
CV (%)				5.7	7.1	6.0	4	1.4	8.1	5.9	3.0	4.9	6.4	3	7	4.4	5.3	5.0	3	1.4	7.9	6.1	3.1	4.3	5.5	3	5
LSD (5%)				0.9	0.6	0.2	1	0.4	0.6	0.9	0.6	0.1	1.0	37	769	1.2	0.8	0.3	2	0.8	1.0	1.5	1.1	0.2	1.6	60	1076

TABLE 8E - Continued from page 41.

2 Year Averages		INGHAM - EARLY - ZONE 2											KENT - EARLY - ZONE 2														
BRAND / HYBRID	RM	TRT	Trait	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
DYNAGRO 54P72	98	P250	1,2	39.3	21.8	8.4	98	81.0	21.2	40.4	52.8	6.5	40.0	3359	28215	40.5	19.9	8.0*	92	82.9	18.5	36.8	53.6	7.9	39.6	3482	27703
HYLAND SEEDS HLS034	92	P250		39.8	21.9	8.6*	92	80.5	22.7	42.8	54.6	6.8	36.1	3353	28678	40.5	18.6	7.5	81	82.7	20.0	39.6	56.3	7.9	36.8	3510	26294
HYLAND SEEDS HLS041	93	P250		36.8	21.8	7.9	89	82.8	20.7	39.8	56.7	6.9	37.9	3586	28366	36.8	19.9	7.3	90	83.5	19.1	37.6	56.1	8.0	36.6	3612	26438
HYLAND SEEDS HLS047	95	P250		37.2	22.6	8.3	85	81.5	22.6	42.8	56.8	6.9	36.2	3499	29107	37.3	20.4	7.6	88	83.7	19.5	38.8	57.8	8.1	36.4	3660	27863
HYLAND SEEDS HLS058	101	P250		33.4	25.8	8.5	100	79.3	24.3	44.3	53.3	6.3	35.2	3331	28323	36.9	22.5	8.3**	97	81.2	21.4	41.2	54.2	7.5	34.3	3440	28512
HYLAND SEEDS HLS067	103	P250		32.1	25.9	8.2	91	79.2	26.2	48.2	56.8	6.7	28.9	3367	27766	36.7	22.1	8.1*	80	82.0	20.7	40.3	55.1	7.7	35.4	3502	28446
HYLAND SEEDS HLSR42	93	P250	1	36.3	22.4	8.1	100	82.0	21.2	40.4	55.4	6.8	36.4	3526	28623	37.5	19.2	7.2	97	84.0	18.8	37.7	57.7	8.1	35.9	3665	26383
HYLAND SEEDS HLSR69	101	P250	1	32.0	26.5	8.5	92	79.8	25.3	46.3	56.2	6.8	29.7	3398	28931	34.6	22.2	7.7	79	81.4	22.2	42.4	56.1	7.7	31.3	3499	26870
MYCOGEN TMF2T497	100	C250	8	36.5	25.0	9.0**	100	79.3	24.0	45.2	54.2	6.4	32.7	3322	29835	38.0	21.0	8.1*	98	81.8	20.3	39.5	54.0	7.7	35.1	3481	28146
AVERAGE				35.9	23.7	8.4	94	80.6	23.1	43.4	55.2	6.7	35.0	3416	28649	37.6	20.7	7.8	89	82.6	20.0	39.3	55.7	7.9	35.7	3539	27406
HIGHEST				39.8	26.5	9.0	100	82.8	26.2	48.2	56.8	6.9	40.0	3586	29835	40.5	18.6	7.2	99	84.0	22.2	42.4	57.8	8.1	39.6	3665	28512
LOWEST				32.0	21.8	7.9	85	79.2	20.7	39.8	52.8	6.3	28.9	3322	27766	34.6	22.6	8.3	79	81.4	22.2	42.4	56.1	7.7	31.3	3499	26294
CV (%)				6.5	6.9	6.4	4	1.6	8.6	6.4	2.7	6.4	7.8	3	8	6.4	8.5	7.7	6	1.3	9.4	6.3	2.9	4.8	6.9	3	9
LSD (5%)				1.9	1.4	0.4	3	1.1	1.6	2.3	1.3	0.4	2.4	86	1812	2.0	1.5	0.5	4	0.9	1.4	2.0	1.4	0.3	2.2	78	2012

3 Year Averages		INGHAM - EARLY - ZONE 2											KENT - EARLY - ZONE 2														
BRAND / HYBRID	RM	TRT	Trait	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
HYLAND SEEDS HLS058	101	P250		34.2	26.2	8.9**	98	80.0	23.3	42.6	53.0	6.3	35.5	3393	30220	36.5	23.5	8.6**	96	81.3	21.5	40.6	53.8	7.5	34.2	3465	29640
HYLAND SEEDS HLS067	103	P250		33.7	25.6	8.6*	91	79.8	24.6	45.3	55.2	6.5	31.5	3401	29262	36.4	23.0	8.2*	85	81.9	21.0	40.3	54.9	7.9	34.9	3512	28671
AVERAGE				34.0	25.9	8.7	95	79.9	23.9	43.9	54.1	6.4	33.5	3397	29741	36.4	23.0	8.4	91	81.6	21.3	40.5	54.4	7.7	34.6	3489	29156
CV (%)				6.5	6.6	5.6	3	1.4	7.6	5.6	2.6	5.8	7.1	3	7	6.2	8.7	7.4	5	1.4	8.6	5.9	3.2	4.5	6.5	3	8
LSD (5%)				1.6	1.1	0.3	2	0.8	1.1	1.6	1.0	0.3	1.8	66	1312	1.6	1.2	0.4	3	0.8	1.1	1.5	1.2	0.2	1.7	64	1562

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

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THANK YOU TO OUR FARM COOPERATORS:

Blaine Baker, Clayton
Dick Crawford, Montcalm Research Farm, Entrican
Dave and Mel Cripe, Cassopolis
Richard Dennett, Buckley
Brian Graff, MSU Agronomy Farm, East Lansing
Benny Herioux, Bark River
Kyle Huff, Coldwater
Jorgensens Farm Elevator, Williamston
Robert E. Lee, Marion
Paul Naasz & Chris Kapp, Upper Peninsula
Experiment Station, Chatham
Oesch Farm, Alto
Robert and August Oshe, Custer
OSU NW Experiment Station, Hoytville, Ohio
Pleasant Acre Farm, Caledonia
Troy Sacket, Edmore
Lee Siler, Merrill
Fred and Corby Werth, Alpena
Wil-le Farms, Bad Axe
Jason Woods, Britton

THANK YOU TO OUR STUDENTS:

Terry Schulz, Graduate Student
Steven Wagstaff, Graduate Student
Megan Black, Student
Nathan Blosser, Student
Megan Pickler, Student
Jim Williams, Student
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