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Michigan Corn Production Hybrids Compared

Michigan State University Extension Service

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2006 Michigan Corn Hybrids Compared



GROWING SEASON WEATHER SUMMARY

Jeff Andresen, Department of Geography page 4

CORN NITROGEN RESPONSE TRIALS

Ron Gehl, Department of Crop and Soil Sciences page 28

WEED SCIENCE UPDATE FOR CORN

David Hillger and James Kells
Department of Crop and Soil Sciences page 29

STEWART'S WILT ON FIELD CORN IN MICHIGAN

Diane Brown-Rytlewski and William Kirk
Department of Plant Pathology page 30

ANALYSIS OF HYBRID ETHANOL YIELD

Kurt Thelen, Department of Crop and Soil Sciences page 31

SELECTING CORN HYBRIDS FOR SILAGE

Mike Allen, Department of Animal Science page 31 & 32

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MICHIGAN STATE
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COMPANY INDEX

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.wolfrivervalleysseeds.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, P_2O_5 , and K_2O 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	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	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	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
Zone 2	KENT	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	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	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	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
Zone 3	MONTCALM	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	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	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
Zone 4	GRAND TRAVERSE	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	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
Zn 5	ALGER	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)

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

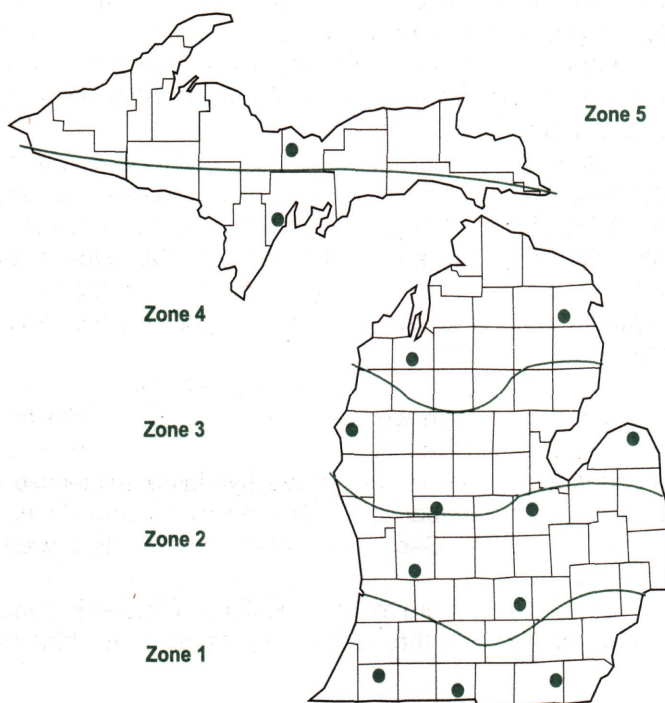


TABLE 1E.

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

ZONE 1

2006			EARLY TRIAL AVERAGE				% QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY								
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	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD 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
AGRIGOLD 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
AGRIGOLD 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
BAYSIDE 2103YGCBBR	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 4225S	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	233.2	* 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	225.2	* 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 (RR2YGPL)	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 (RR2YGPL)	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 (YGCBB)	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 (RR2YGPL)	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 55B65	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 8528YG1/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 8535YG1/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 8676IT	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/LL	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 5711BRR	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	23.4	217.4	* 52.6	2.3	91	19.1	222.1	* 54.0	4.6	99
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	98
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	* 56.0	1.8	99
JUNG 5572YGCBB	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 N63-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	11	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 RK772YGCBB	104	C250	1	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	102	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	100	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	206.4	54.5	3.1	92	8.4	4.1	59.0	21.7	221.8	53.0	1.4	95	22.8	185.6	54.2	2.9	83	18.9	211.8	56.4	5.0	99
SEED CONSULTANTS SC1076	107	C250	1	21.1	222.0	54.1	2.6	91	8.6	3.9	59.0	22.3	228.7	52.6	1.5	89	21.9	212.0	53.9	2.5	86	19.1	225.3	* 55.8	3.9	100
SEED CONSULTANTS SC10B36	103	C250	2	19.6	217.3	56.1	1.3	92	7.9	3.8	59.9	19.4	223.4	55.2	0.4	93	21.2	202.4	55.8	2.5	84	18.3	226.1	* 57.2	1.1	100
SEED CONSULTANTS SC10BR46	104	C250	1,2	20.1	171.6	55.6	2.2	77	8.4	3.6	60.1	20.1	167.9	54.1	4.1	73	21.6	155.7	55.5	0.9	71	18.7	191.1	57.1	1.5	88
SEED CONSULTANTS SC10H27	102	C250	1,4	20.5	208.5	55.2	0.6	94	8.0	3.2	60.7	20.3	215.5	54.4	1.0	96	22.3	190.5	54.8	0.8	85	18.8	219.6	56.4	0.0	100
TRELAY 6N664	107																									

BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%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	22.6	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																														
BRAND / HYBRID			RM	TRT	Trait	EARLY TRIAL AVERAGE				% QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY									
						%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%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	
	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
	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		
	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	97	21.4	222.0	*	55.4	1.2	94	18.5	226.4	** 56.8	0.4	99
	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		
GOLDEN HARVEST H-8473	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		
	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		
	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		
	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		
	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		
LOWEST	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		
	SD (5%)																													

3 Year Averages				EARLY TRIAL AVERAGE												% QUALITY				BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY			
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%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 RK772YGC	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	

TABLE 1L - Continued from page 10.

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

2 Year Averages																														
BRAND / HYBRID		RM	TRT	Trait	LATE TRIAL AVERAGE				% QUALITY			BRANCH - LATE				CASS - LATE				LENAWEE - LATE										
					%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%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			
					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			
					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
					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	
					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	
	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				
PARTNERS BRAND 578					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			
					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			
					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			
					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			
LSD (5%)																														

TABLE 1L.

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

ZONE 1

2006				LATE TRIAL AVERAGE								% QUALITY				BRANCH - LATE								CASS - LATE								LENAWEE - 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	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd			
AGRICOLD A6474BRW	111	P250	2,3	23.6	205.7	54.4	0.2	91	7.7	3.5	59.6	23.6	196.8	53.5	0.0	91	25.7	201.4	54.3	0.1	82	21.5	219.0	55.5	0.4	100	21.5	219.0	55.5	0.4	100	21.5	219.0	55.5	0.4	100			
ASGROW RX674RR2	109	P250	1	22.8	217.6	52.6	3.1	93	7.9	3.7	59.8	23.1	229.3	52.6	3.9	97	24.1	214.5	53.3	2.6	84	21.1	208.9	52.0	2.8	99	21.1	208.9	52.0	2.8	99	21.1	208.9	52.0	2.8	99			
ASGROW RX715RR2YGCGB	111	P250	1,2	24.1	238.5	53.3	0.6	98	7.9	3.6	60.5	24.5	256.9	52.8	0.0	100	24.7	233.2	53.4	1.9	95	23.2	225.3	53.7	0.0	100	23.2	225.3	53.7	0.0	100	23.2	225.3	53.7	0.0	100			
BECK 5222	108	P250		21.7	213.1	54.1	3.5	85	8.5	4.4	57.8	21.7	225.8	53.3	3.2	81	23.6	192.7	53.4	4.5	76	19.8	220.8	55.7	2.8	99	19.8	220.8	55.7	2.8	99	19.8	220.8	55.7	2.8	99			
BECK 5444RR	110	P250	1,2	23.7	227.4	53.5	1.8	92	8.8	3.8	59.1	23.7	235.2	52.8	2.4	97	24.9	222.5	53.4	2.0	81	22.4	224.5	54.7	1.1	97	22.4	224.5	54.7	1.1	97	22.4	224.5	54.7	1.1	97			
BROWN 6810BH11LL	108	C250	2,4	22.7	225.6	52.0	0.3	94	7.3	3.5	60.4	22.7	232.2	51.1	0.2	93	23.5	224.5	52.9	0.3	88	21.9	220.3	51.9	0.4	100	21.9	220.3	51.9	0.4	100	21.9	220.3	51.9	0.4	100			
CORN BELT C599HX1.1	110	P250	2,4	24.7	209.6	52.6	0.9	87	7.7	3.8	59.4	24.4	243.2	51.5	0.4	90	26.3	176.4	52.8	0.6	70	23.5	209.3	53.4	1.8	99	23.5	209.3	53.4	1.8	99	23.5	209.3	53.4	1.8	99			
CORN BELT x5813YGPL/RR2	108	P250	1,2,3	23.9	225.4	54.4	0.4	90	8.5	3.9	59.1	24.3	234.7	53.2	0.1	85	25.3	220.3	53.7	0.9	85	22.1	221.1	56.1	0.4	100	22.1	221.1	56.1	0.4	100	22.1	221.1	56.1	0.4	100			
CROWS 4843X	109	C250	1,3	23.3	227.4	53.8	2.1	95	8.3	4.0	59.3	23.3	232.4	53.1	2.1	95	24.4	215.2	53.8	2.7	90	22.1	234.5	54.5	1.4	100	22.1	234.5	54.5	1.4	100	22.1	234.5	54.5	1.4	100			
CROWS 4981R	110	C250	1	24.8	222.8	53.8	2.7	88	8.8	4.2	58.5	25.8	228.0	52.8	4.7	84	25.8	209.2	53.4	1.9	81	22.8	231.1	55.3	1.4	100	22.8	231.1	55.3	1.4	100	22.8	231.1	55.3	1.4	100			
DAIRYLAND DST-11724Bt	113	P250	2	24.2	213.3	53.3	1.3	92	7.8	4.0	59.3	24.4	217.3	52.3	0.5	98	25.9	203.1	53.0	1.9	79	22.3	219.5	54.5	1.4	99	22.3	219.5	54.5	1.4	99	22.3	219.5	54.5	1.4	99			
DAIRYLAND STEALTH-1612	112	P250		23.7	226.4	55.0	2.0	97	7.8	3.9	59.5	25.3	222.9	53.8	1.7	94	24.6	232.7	55.2	1.9	97	21.4	223.5	56.1	2.5	100	21.4	223.5	56.1	2.5	100	21.4	223.5	56.1	2.5	100			
DAIRYLAND STEALTH-4009	111	P250	1,3	22.5	229.7	54.0	1.9	90	8.0	4.1	58.9	23.1	241.3	52.7	2.8	93	23.5	222.4	54.1	1.9	78	21.0	225.6	55.0	1.1	98	21.0	225.6	55.0	1.1	98	21.0	225.6	55.0	1.1	98			
DAIRYLAND STEALTH-5611	111	P250	2	23.6	196.4	52.6	1.8	82	8.0	4.0	59.1	24.0	192.6	51.5	1.5	72	25.1	177.5	52.3	2.0	73	21.7	219.1	54.0	1.8	100	21.7	219.1	54.0	1.8	100	21.7	219.1	54.0	1.8	100			
DEKALB DKC61-45 (RR2YGCGB)	111	P250	1,2	23.4	232.1	53.8	0.5	99	7.7	3.4	60.2	23.4	238.8	52.7	0.3	100	24.8	227.4	53.3	0.8	96	21.8	230.1	55.4	0.4	100	21.8	230.1	55.4	0.4	100	21.8	230.1	55.4	0.4	100			
DEKALB DKC61-68 (RR2YGRW)	111	P250	1,3	23.1	233.7	53.6	1.2	97	8.8	4.1	58.5	23.8	242.0	52.5	0.7	97	24.3	233.3	53.1	2.2	93	21.4	225.6	55.2	0.7	100	21.4	225.6	55.2	0.7	100	21.4	225.6	55.2	0.7	100			
DYNAGRO 57B47	111	P250	1,2,3	22.7	223.7	53.5	1.4	90	8.0	4.1	58.9	22.5	232.0	52.5	1.1	87	24.2	216.4	53.4	1.9	87	21.4	222.7	54.7	1.1	97	21.4	222.7	54.7	1.1	97	21.4	222.7	54.7	1.1	97			
GARST 8452CB/ILL	112	C250	2,4	24.1	227.5	52.3	0.5	86	7.7	3.9	59.8	24.6	225.2	51.3	0.0	80	25.2	227.3	52.2	0.5	82	22.5	230.2	53.4	1.1	96	22.5	230.2	53.4	1.1	96	22.5	230.2	53.4	1.1	96			
GOLDEN HARVEST H-8920	111	C250		23.3	211.5	53.9	1.5	90	7.9	3.6	59.7	24.0	226.1	52.7	2.5	97	24.3	194.2	53.9	1.6	74	21.7	214.2	55.0	0.4	100	21.7	214.2	55.0	0.4	100	21.7	214.2	55.0	0.4	100			
GREAT LAKES 6202Bt	112	P250	2	23.4	230.3	51.5	1.5	97	7.0	4.2	59.8	23.7	246.6	50.3	0.8	98	24.3	212.6	51.9	1.5	94	22.3	231.6	52.2	2.1	100	22.3	231.6	52.2	2.1	100	22.3	231.6	52.2	2.1	100			
NK Brand N60-B8	110	C250	2,4	23.3	228.6	52.4	0.2	91	7.3	3.8	60.2	23.5	247.9	51.8	0.4	91	25.1	222.0	52.3	0.0	81	21.4	216.0	53.2	0.0	100	21.4	216.0	53.2	0.0	100	21.4	216.0	53.2	0.0	100			
NK Brand N61-K6	108	C250	2,4	22.2	201.6	53.6	1.1	87	8.3	4.6	57.6	22.4	211.7	52.8	0.7	86	22.8	188.1	53.9	2.2	74	21.2	205.2	54.0	0.4	100	21.2	205.2	54.0	0.4	100	21.2	205.2	54.0	0.4	100			
NK Brand N65-C5	109	C250	2,4	22.2	224.7	53.6	0.4	92	7.6	3.9	59.8	22.5	242.8	52.1	0.0	93	23.5	211.1	53.7	0.7	89	20.7	210.2	55.1	0.4	92	20.7	210.2	55.1	0.4	92	20.7	210.2	55.1	0.4	92			
PARTNERS BRAND 578	108	P250		22.5	215.5	52.3	1.9	94	7.0	3.5	61.1	22.9	221.5	51.4	2.7	95	23.3	210.2	52.9	1.9	88	21.1	214.6	52.6	1.1	100	21.1	214.6	52.6	1.1	100	21.1	214.6	52.6	1.1	100			
PARTNERS BRAND 596RR	109	P250	1	23.7	220.6	53.4	1.5	93	8.7	3.6	59.8	24.1	238.4	52.4	2.5	100	25.6	211.5	53.3	1.3	78	21.4	211.8	54.6	0.7	100	21.4	211.8	54.6	0.7	100	21.4	211.8	54.6	0.7	100			
PARTNERS BRAND 610YGCGB	110	P250	2	22.0	214.8	53.1	0.9	81	7.6	4.3	58.8	22.4	233.6	52.1	0.0	73	23.4	194.9	53.2	0.9	72	20.2	225.7	54.0	1.8	97	20.2	225.7	54.0	1.8	97	20.2	225.7	54.0	1.8	97			
PIONEER 34A18	109	P250	2,3,4	22.1	216.3	56.0	0.0	97	8.2	3.7	60.0	23.4	239.0	54.6	0.0	99	22.6	203.2	56.2	0.0	92	20.4	206.6	57.2	0.0	100	20.4	206.6	57.2	0.0	100	20.4	206.6	57.2	0.0	100			
PIONEER 34P89	112	P1250	2,4,11,13	24.8	230.6	53.2	0.6	86	8.2	3.3	60.2	25.8	231.5	52.5	0.7	81	26.1	238.5	53.1	0.4	81	22.5	221.8	54.0	0.7	97	22.5	221.8	54.0	0.7	97	22.5	221.8	54.0	0.7	97			
PIONEER 35D29	108	P1250	2,4,11,13	23.1	227.7	53.7	0.8	94	7.8	3.4	60.1	23.5	237.5	53.1	0.2	99	24.7	225.7	53.4	0.5	87	21.2	220.1	54.5	1.6	95	21.2	220.1	54.5	1.6	95	21.2	220.1	54.5	1.6	95			
RENK RK789YGPL	112	C250	1,2,3	22.6	193.3	55.4	1.0	83	8.4	3.7	59.4	23.4	189.6	53.8	0.9	73	23.7	187.5	55.5	2.2	76	20.6	202.7	56.8	0.0	100	20.6	202.7	56.8	0.0	100	20.6	202.7	56.8	0.0	100			
RENK RK870RRYGPL	110	C250	1,2,3	22.7	220.1	53.9	1.3	95	7.7	3.9	59.1	22.4	236.0	52.8	0.6	97	24.0	204.1	53.9	1.5	89	21.5	220.1	54.8	1.8	99	21.5	220.1	54.8	1.8	99	21.5	220.1	54.8	1.8	99			
RUPP XR8045	109	C250	1,2,3	22.2	216.5	54.8	2.1	97	8.1	4.2	58.6	22.5	220.6	53.7	1.2	97	23.4	216.3	54.8	2.7	96	20.7	212.4	55.7	2.5</														

TABLE 2E - Continued from page 13.

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

ZONE 2

2 Year Averages			EARLY TRIAL AVERAGE						% QUALITY			INGHAM - EARLY				KENT - EARLY				SAGINAW - EARLY											
BRAND / HYBRID	RM	TRT	Trait	%H2O	BU/A	Twt	%SL	%Sd	Pot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A6225BIRR	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	20.1	194.0	58.8	0.2	88	20.3	221.3 *	58.5	0.0	87	20.3	221.3 *	58.5	0.0	87
	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	21.5	200.7	57.5	0.3	97
	95		2	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	19.6	203.3	58.6	0.2	100
	93		1	18.3	185.6	56.8	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	18.9	203.2	57.0	1.9	100
	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	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	18.7	192.3	57.2	0.8	92
	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	21.9	207.1	55.9	1.0	93
	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	18.6	195.2	57.7	0.0	97
	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	20.4	220.3 *	58.3	0.2	95
	98	P250		18.4	189.1	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	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	18.6	195.6	57.7	0.2	96
	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	18.7	200.2	57.8	0.7	97
	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	188.2	57.5	3.4	100	18.1	185.1	57.8	1.9	97	18.1	185.1	57.8	1.9	97
	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	18.5	199.8	58.2	1.7	98
	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	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	18.1	192.5	58.0	2.0	98
	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	17.9	188.9	58.3	0.0	96
	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	20.3	206.1	58.7	0.5	93
	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	21.2	185.1	55.8	1.2	96
	100	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	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	23.4	212.0	55.3	0.7	95
	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	22.2	223.3 **	56.4	0.5	99
	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	98	21.3	204.8	55.1	0.3	99	21.3	204.8	55.1	0.3	99
TRELAY 7560YGCGB				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	19.8	201.5	57.3	0.9	96
				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	23.4	223.3	58.7	2.2	100
				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	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	3.1	6.2	1.1	137	4
				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	0.5	9.6	0.5	0.9	3
LSD (5%)																															

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

TABLE 2E.

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

ZONE 2

2006			EARLY TRIAL AVERAGE						% QUALITY			INGHAM - EARLY				KENT - EARLY				SAGINAW - EARLY						
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	%H2O	BU/A	Twt	%SL	%Sd
AGRICOLD 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
AGRICOLD A6285BRR	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		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	168.4	57.8	0.0	99
BAYSIDE 5072RR	93		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	56.4	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 523ZRRYGPPlus	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 5636RRYGB	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	158.1	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 STEAL TH-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 STEAL TH-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 (RR2YGPL)	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 (RR2YGB)	98	P250	1,2	20.3	193.6	56.3	9.0	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	201.7	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	219.3	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 Bt	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 742ZRRYGB	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-7H07Bt	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	55.4	0.0	100	20.1	172.5	57.5	0.6	99
LASER L-7H67Bt/RR	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	159.3	53.2	26.1	99	21.9	18								

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	BU/A	Twt	%SL	%Sd	Prot	Oil	Starch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	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
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
BAYSIDE 2103	103	P250	1	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
BAYSIDE 2103YGBRR	103	P250	1,2	23.8	217.0	54.5	0.2	98	7.6	3.7	60.1	23.4	212.4	53.8	0.3	96	24.4	246.8	54.8	0.0	100
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
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
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
CROPLAN 5002RR	103	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
CROPLAN 576BICL	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
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
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
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
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	24.2	239.3	55.7	0.0	100
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	54.4	0.0	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
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
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	211.3	56.1	0.7	99	23.3	231.2	54.5	0.4	100
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
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
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
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
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
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
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
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
GARST 8676IT	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
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	0.2	99
GARST 8689IT	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
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
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
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
GREAT LAKES 5195BT	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
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
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
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
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
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
HYLAND SEEDS HL295	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
HYLAND SEEDS HL332	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
HYLAND SEEDS HL337	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
HYLAND SEEDS HL344	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
HYLAND SEEDS HL52R	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
INTEGRA SEED INT602RB	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
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
JUNG 5572YGB	103	P250	1,2,3	23.3	213.5	53.1	0.5	94	7.3	3.6	60.5	22.5	220.1	53.1	1.0	97	24.3	226.2	52.5	0.0	98
LEGACY 45B75	104	P250	2	23.5	207.7	53.1	0.5	88	7.5	3.8	59.8	22.7	211.5	53.1	0.0	93	24.6	227.5	52.8	1.1	92
MIDWEST 71101T	102	C250	1	22.1	195.2	56.5	0.8	99	7.5	4.0	59.7	21.3	186.4	55.8	0.0	98	22.7	213.9	56.3	2.1	99
MIDWEST 76172S	107	C250	1	25.5	231.2	52.4	0.2	98	7.8	3.3	59.6	25.3	223.3	51.4	0.3	97	26.5	260.9	52.8	0.0	99
MYCOGEN 2D555	103	C250	2,4	23.1	217.6	55.3	0.1	100	7.3	3.8	60.1	22.3	214.8	55.2	0.3	99	24.2	245.8	54.6	0.0	100
NK Brand N48-R3	103	C250	2,4	21.8	218.8	52.9	0.2	99	8.0	4.5	57.6	20.6	221.0	51.9	0.7	98	22.6	242.4	53.4	0.0	100

2006		LATE TRIAL AVERAGE										% QUALITY			INGHAM - LATE					KENT - LATE					SAGINAW - LATE				
		BRAND / HYBRID		RM	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
PARTNERS BRAND 505	104	C250	2,4	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			
	105	C250	1	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			
	106	C250	1	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			
	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			
	102	P250	2	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			
	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			
	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			
	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			
	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			
	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			
TRELAY 5N749	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			
	104	C250	2	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			
	104	C250	2	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			
	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			
	102	C250	2	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			
	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	95		
	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			

2 Year Averages				LATE TRIAL AVERAGE				% QUALITY			INGHAM - LATE				KENT - LATE				SAGINAW - 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	%H2O	BU/A	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	
	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	99	
	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	
	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	
	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

- 3 Year Averages Continue on page 13.

TABLE 3E.

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

ZONE 3

2006				EARLY TRIAL AVERAGE				% QUALITY			HURON - EARLY				MASON - EARLY				MONTCALM - EARLY							
BRAND / HYBRID	RM	TRT	Trait	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	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 4095YGCGB	95		2	22.0	206.4	57.5	1.3	97	8.7	4.3	57.3	22.3	208.1	57.7	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	55.6	5.2	98	7.7	3.8	60.4	21.6	195.4	55.6	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		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 3000YGCGB	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/YGCGB)	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	1.0	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	216.4	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	1,2	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	209.9	58.3	0.2	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 HLB2368	90	P250		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 HLB266	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 HLB282	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	23.4	215.4*	55.0	0.3	100	19.4	223.2*	57.5	0.6	100
HYLAND SEEDS HLB33R	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 HLB231	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 HLB234	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		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		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 3432YGCGB	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		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		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 T2936	92	C250	1,2	20.9	207.2	57.3	1.5	100	7.3	3.8	60.2	21.1	205.2													

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 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
RUPP XR8765	89	C250	1.2	21.9	174.0	57.4	1.4	76	8.6	3.8	59.2	21.7	174.6	58.5	0.5	78	23.6	173.1	55.7	1.6	75	20.5	174.3	57.9	2.2	74
RUPP XR8772	92	P250	1.2	21.3	201.9	57.2	0.8	93	7.8	4.2	58.6	20.9	201.8	58.0	0.0	95	23.8	196.8	55.0	2.1	92	19.2	207.0	58.2	0.5	92
TRELAY 2N553	90	P250	1.2	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
AVERAGE				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
HIGHEST				24.4	225.1	58.9	5.8	100	9.4	4.7	60.4	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
LOWEST				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	52.7	0.0	75	18.3	174.3	54.0	0.1	74
CV (%)				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
LSD (5%)				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	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
BAYSIDE 4095YGB	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
BAYSIDE 5072RR	93	P250	1	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 5518RR	95	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	207.2	56.3	1.3	90	21.2	215.2	56.1	2.6	90
BAYSIDE Super 93	93	P250		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
BROWN 3000YGB	90	C250	2	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
CROPLAN 364RR	96	C250	1	20.1	205.7	57.1	4.7	98	7.9	3.9	59.5	18.5	185.9	57.5	10.1	100	21.2	213.8	56.2	1.5	95	20.5	217.4	57.5	2.7	98
DYNAGRO 53F09	94	P250	2	20.2	210.1	56.8	1.4	91	7.7	4.4	58.7	18.7	209.6	57.8	2.9	100	21.4	208.3	55.8	1.2	85	20.4	212.5	56.7	0.2	87
DYNAGRO 53P30	92	P250	1.2	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
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
GARST 8821YG1/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
GARST 8922YG1	90	C250	2	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
GREAT LAKES 4415BIRR	94	P250	1.2	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
HYLAND SEEDS HL2368	90	P250		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
HYLAND SEEDS HLR234	90	P250	1	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
HYLAND SEEDS JUXXIN	90	P250		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
JUNG 3432YGB	95	P250	2	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 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
NK Brand N3030Bt	93	C250	2.4	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 N34-F1	94	C250	2.4	20.7	221.4	55.4	2.1	99	8.2	3.9	58.8	19.4	206.1	56.2	4.5	99	21.8	218.3	54.9	1.1	99	20.9	239.7	55.2	0.7	99
NK Brand N35-B8	95	C250	2.4	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
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
AVERAGE				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
HIGHEST				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
LOWEST				19.3	194.1	55.4	0.2	80	7.4	3.7	57.3	17.9	181.5	56.2	0.2	85	20.1	191.7	54.9	0.1	76	19.6	205.5	55.2	0.2	81
CV (%)				2.9	5.6	1.3	138	5	4.1	6.9	1.1	2.4	4.9	1.5	91	3	3.2	6.2	1.3	273	6	2.4	5.3	0.8	130	5
LSD (5%)				0.3	5.5	0.4	1.5	2	0.3	0.2	0.6	0.4	7.9	0.7	3.2	3	0.6	10.6	0.6	2.9	4	0.4	9.4	0.4	1.7	4

3 Year Averages

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
BAYSIDE 5072RR	93	P250	1	21.5	194.8	55.0	3.3	98	7.9	3.9	60.2	21.0	170.7	54.8	6.0	100	23.0	199.8	54.0	1.4	97	20.6	214.1	56.1	2.5	97
BAYSIDE Super 93	93	P250		21.6	195.3	54.6	3.5	96	8.3	3.8	59.5	20.6	171.9	55.0	7.4	96	23.5	201.2	53.3	0.8	95	20.8	212.8	55.7	2.4	98
DYNAGRO 53P30	92	P250	1.2	21.1	194.4	56.7	2.3	93	7.7	4.1	58.5	20.9	181.5	56.9	3.4	95	22.6	190.7	55.1	1.5	93	19.8	210.9	58.2	1.9	92
GARST 8880YG1	95	C250	2	21.2	209.1	55.4	2.4	99	7.6	4.6	58.1	20.9	189.3	55.5	5.1	99	22.5	209.8	54.2	0.9	100	20.1	228.2	56.6	1.3	100
GARST 8822YG1	90	C250	2	20.7	205.4	56.7	1.9	99	7.4	4.0	59.0	20.5	185.1	56.7	4.5	99	22.1	203.5	55.4	0.8	99	19.7	227.6	57.9	0.5	99
HYLAND SEEDS HL2368	90	P250		21.1	201.2	55.4	2.8	98	7.7	4.5	58.3	20.6	180.6	55.2	5.1	99	23.1	206.5	54.1	1.2	99	19.8	216.6	57.1	1.9	98
JUNG 3432YGB	95	P250	2	21.4	206.4	55.4	2.0	99	7.4	4.4	59.0	21.0	185.4	55.0	4.3	100	22.7	206.6	54.7	0.7	99	20.4	227.1	56.6	1.0	99
NK Brand N3030Bt	93	C250	2.4	21.4	191.9	56.1	5.2	97	8.3	4.3	58.8	20.6	184.1	56.5	10.1	100	23.1	192.4	54.9	1.6	96	20.5	199.4	57.0	3.9	96
NK Brand N35-B8	95	C250	2.4	21.6	200.7	55.4	3.0	97	8.1	4.4	57.5	20.7	180.1	56.3	4.5	98	23.6	199.0	53.5	1.2	97	20.6	222.9	56.5	3.4	97
AVERAGE				21.3	199.9	55.6	2.9	98	7.8	4.2	58.8	20.8	181.0	55.8	5.6	98	22.9	201.1	54.4	1.1	97	20.3	217.7	56.8	2.1	97
HIGHEST				21.6	209.1	56.7	5.2	99	8.3	4.6	60.2	21.0	189.3	56.9	10.1	100	23.6	209.8	55.4	1.6	100	20.8	228.2	58.2	3.9	100
LOWEST				20.7	191.9	54.6	1.9	93	7.4	3.8	57.5	20.5	170.7	54.8	3.4	95	22.1	190.7	53.3	0.7	93	19.7	199.4	55.7	0.5	92
CV (%)				3.3	5.2	1.3	128	4	4.0	6.7	1.1	3.5	4.7	1.5	82	3	3.4	5.6	1.3	233	5	2.6	5.0	0.8	147	4
LSD (5%)				0.3	4.1	0.3	1.2	2	0.2	0.2	0.5	0.5	6.1	0.6	2.3	2	0.5	7.7	0.5	2.0	3	0.4	7.3	0.3	1.6	3

TABLE 3L.

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

ZONE 3

2006		LATE TRIAL AVERAGE						% QUALITY			HURON - LATE				MASON - LATE				MONTCALM - LATE					
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
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	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	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	86	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	201.1	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	21.6	213.0	56.9	2.1	101
DEKALB DKC52-40 (RR2YGPL)	102 P250 1,2,3	23.5	236.2**	54.6	0.9	97	7.8	4.0	59.6	23.1	227.5*	55.0	0.0	99	26.1	237.1*	52.9	1.9	93	21.3	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	204.5	53.7	1.3	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	205.0	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 4S502	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 1,1	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 38B86	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 XR1609	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*			

2 Year Averages

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	Strch	%H2O	BUJA	Twt	%SL	%Sd	%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	182.2	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/Bt		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	97					
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 RK488YGCB		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 RK772YGCB		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					
TRELAY 7560YGCB		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

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	Strch	%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				
	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				
	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				
	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				
BROWN 5636	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				
	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				
DAIRYLAND STEALTH-5497				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				
				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				
				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				
NK Brand N45-A6				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				
				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				
RUPP XR1609																														
TRELAY 7560YGCB																														
AVERAGE																														
HIGHEST																														
LOWEST																														
CV (%)																														
LSD (5%)																														

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

2006			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	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 1541RR	81		1	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	23.5	172.8	54.5	4.3	97
BAYSIDE 2090	90			23.8	152.9	54.6	1.4	98	8.8	3.5	57.9	27.2	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 3731RR	86		1	23.9	152.8	54.1	1.6	97	8.9	3.9	57.7	27.0	185.1	52.2	0.9	96	22.8	109.0	55.7	1.1	97	21.9	164.4	54.5	1.9	99
BAYSIDE S075RR	78		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 S084RR	84	P250	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 Super 80	80	P250		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
CROPLAN 296TS	91	C250	1,2,3	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 314RR/Bt	92	C250	1,2	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
DAIRYLAND DST-8711Bt	89	P250	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 STEALTH-7184	85	P250	1,2	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
DEKALB DKC38-33 (RR2YGCBB)	88	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 DKC40-08 (RR2YGCBB)	90	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 DKC41-64 (RR2YGCBB)	91	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 DKC42-88 (RR2YGPL)	92	P250	1,2,3	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 DKC44-92 (RR2)	94	P250	1	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
DYNAGRO 53F09	94	P250	2	27.5	176.1	50.9	1.8	94	8.2	4.1	57.8	30.5	214.1	50.0	0.0	93	26.1	127.1	52.5	3.0	92	25.8	187.2	50.3	2.4	97
DYNAGRO 53G01	94	P250	1,3	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 53P30	92	P250	1,2	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 54P55	95	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
GARST 8921YG1/RR	92	C250	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
GOLDEN HARVEST H-6466CB/GT	89	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
INTEGRA SEED INT6788RB	88	P250	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
LASER L-7H07Bt	95	C250	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
LEGACY EX870	87	P250		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 EX881	88	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
MYCOGEN 2P172	84	C250	1	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
NK Brand N18-F2	84	C250		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 N23-F7	88	C250	2,4	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 N29-A2	92	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
PIONEER 38K46	93	P250	11	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 38R50	91	P250		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
RENK RK244	84	C250	2,4	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 RK438RRYGPL	92	C250	1,2,3	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
TRELAY 2N553	90	P250	1,2	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
WOLF RIVER VALLEY 2482RR/Bt	82		1,2	24.3	161.1	53.9	1.0	98	8.9	4.3	57.1	26.8	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 2490RR/Bt	90		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
AVERAGE				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
HIGHEST				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
LOWEST				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
CV (%)				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
LSD (5%)				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

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	BU/A	Twt
BAYSIDE 1541RR	81	23.6	147.4	55.1	1.0	97	9.2	24.5	166.3	54.7	0.6	98	22.4	127.3	55.8	0.4	96	23.8	148.6
BAYSIDE 2090	90	23.0	146.1	55.4	1.3	98	8.7	24.4	149.3	54.7	0.7	99	21.6	127.6	56.9	1.0	97	23.1	161.4
BAYSIDE Super 80	80 P250	22.1	151.5	54.7	2.2	94	8.3	22.9	165.9	54.4	1.0	99	20.3	128.4	55.5	2.1	88	23.2	160.2
CROPLAN 314RR/Bt	92 C250	25.7	174.7	53.2	0.6	99	8.1	26.9	189.9	53.2	0.0	99	24.6	151.1	53.9	0.8	99	25.6	183.1
GARST 8921YG/IRR	92 C250 1,2	26.0	167.9	52.9	0.6	99	8.5	27.0	181.2	52.8	0.1	99	24.8	140.4	53.5	1.3	97	26.2	182.1
MYCOGEN 2P172	84 C250 1	23.9	150.7	55.0	0.6	99	9.3	25.0	174.2	54.4	0.4	98	23.0	123.1	55.7	0.8	98	23.6	154.7
NK Brand N18-F2	84 C250	22.1	141.5	56.8	2.1	96	8.6	22.6	155.3	56.4	3.7	97	20.5	125.5	57.9	0.8	92	23.1	143.8
AVERAGE		23.8	154.3	54.7	1.2	97	8.7	24.8	168.9	54.4	0.9	98	22.5	131.9	55.6	1.0	96	24.1	162.0
HIGHEST		26.0	174.7	56.8	2.2	99	9.3	27.0	189.9	56.4	3.7	99	24.8	151.1	57.9	2.1	99	26.2	183.1
LOWEST		22.1	141.5	52.9	0.6	94	8.1	22.6	149.3	52.8	0.0	97	20.3	123.1	53.5	0.4	88	23.1	143.8
CV (%)		3.3	6.4	1.2	125	4	4.0	2.5	5.4	1.1	252	3	3.6	9.0	1.3	97	5	3.4	5.4
LSD (5%)		0.4	4.9	0.3	0.7	2	0.3	0.6	8.4	0.5	1.2	3	0.7	9.2	0.6	1.3	4	0.7	7.5

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	BU/A	Twt
BAYSIDE 1541RR	81	25.3	139.1	54.0	1.0	98	9.4	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	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	26.5	152.7	52.0	0.8	99	21.9	125.2	54.4	4.8	92		No data from 2004
NK Brand N18-F2	84 C250	24.0	134.9	55.9	2.7	97	8.9	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	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	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	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	3.0	4.9	1.0	231	3	3.5	8.2	1.2	138	4		
LSD (5%)		0.4	4.0	0.3	0.9	1	0.2	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

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	

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

TABLE 5.

ALGER & DELTA (EARLY) COUNTY GRAIN TRIALS (88 Day and Earlier)

ZONE 5

2006			TRIAL AVERAGE							% QUALITY			ALGER					DELTA - EARLY								
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	%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	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	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	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	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	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	24.4	189.9 **	53.7	0.7	97
JUNG 7202RR/YGPL	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0	14.8	1.8	2.9	5

2 Year Averages			TRIAL AVERAGE						% QUALITY			ALGER						DELTA - EARLY								
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	%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	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	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	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	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	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	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	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	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

2006				EARLY TRIAL AVERAGE					% QUALITY			HURON - ZONE 3				MONTCALM - ZONE 3				SAGINAW - ZONE 2						
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	%H2O	BU/A	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
BAYSIDE 5095RR	95	P250	1	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
BAYSIDE 5518RR	95	P250	1	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
BAYSIDE 6094YGCBBR	94	P250	1,2	21.1	206.0 *	56.0	0.5	91	7.8	4.0	59.5	21.3	204.6 *	56.2	0.4	100	23.1	207.6 *	54.1	0.8	84	18.8	205.8	57.6	0.4	90
CROPLAN 364RR	96	C250	1	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
CROPLAN 3688RB	97	C250	1,2	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
DEKALB DKC41-64 (RR2YGCBB)	91	P250	1,2	20.3	198.8	58.7	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
DEKALB DKC42-88 (RR2YGPL)	92	P250	1,2,3	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
DEKALB DKC44-92 (RR2)	94	P250	1	21.3	199.4	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
DEKALB DKC45-82 (RR2)	95	P250	1	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
DEKALB DKC46-22 (RR2YGPL)	96	P250	1,2,3	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	216.8 *	56.0	1.6	85	18.7	181.6	59.9	0.4	87
DYNAGRO CX06000	97	P250	1,2,3	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
GARST 8921YG1/RR	92	C250	1,2	20.7	194.5	58.6	1.2	97	7.6	4.0	59.3	21.0	199.4 *	59.1	2.1	100	22.3	204.0 *	56.7	0.7	91	18.8	180.2	59.9	0.7	99
GREAT LAKES 4415BIRR	94	P250	1,2	21.6	211.5 *	56.4	0.5	86	7.9	4.2	59.7	21.2	201.0 *	56.9	1.6	93	23.5	221.6 **	54.2	0.0	79	20.2	212.0 *	58.2	0.0	86
GREAT LAKES 4689BIRR	96	P250	1,2	22.8	214.5 **	57.3	1.2	90	8.5	3.9	59.1	23.3	214.6 **	58.3	1.9	97	24.2	205.7 *	55.5	1.4	81	20.8	223.3 **	60.1	0.4	92
HYLAND SEEDS HLB33R	88	P250	1,2	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
HYLAND SEEDS HLB43R	97	P250	1,2	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
HYLAND SEEDS HLR231	88	P250	1	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
HYLAND SEEDS HLR234	90	P250	1	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
MIDWEST 45S02	97	C250	1	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
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
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
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
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
SD (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

2 Year Averages					EARLY TRIAL AVERAGE					% QUALITY			HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2						
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	%H2O	BU/A	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		
BAYSIDE 5518RR	95	P250	1		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		
CROPLAN 364RR	96	C250	1		19.4	209.1	57.5	3.0	98	18.7	200.2 *	57.7	7.1	98	19.7	169.1	56.4	3.0	97	21.0	219.8 *	56.0	0.4	97	18.5	207.4	58.7	1.5	98
GARST 8921YG1/RR	92	C250	1,2		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		
GREAT LAKES 4689BIRR	96	P250	1,2		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		
HYLAND SEEDS HLR234	90	P250	1		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		
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		
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		
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		
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		
SD (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		

3 Year Averages				EARLY TRIAL AVERAGE					% QUALITY			HURON - ZONE 3					MONTCALM - ZONE 3					SAGINAW - ZONE 2				
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	%H2O	BU/A	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
BAYSIDE 5518RR	95	P250	1	21.8	191.6 *	55.0	2.2	95	8.7	3.8	63.2	21.8	164.2 *	54.0	3.0	98	22.9	204.6 *	54.4	1.0	94	20.6	206.0 *	56.6	2.6	94
AVERAGE				21.6	192.8	55.0	2.5	97	8.5	4.0	63.3	21.6	166.6	53.9	3.6	99	22.5	205.5	54.5	1.2	96	20.4	206.2	56.6	2.6	97
CV (%)				3.1	5.4	1.4	114	4	4.4	6.5	1.2	3.6	6.0	1.2	88	3	2.9	4.8	1.5	132	4	2.4	5.0	1.5	120	4
LSD (5%)				0.3	4.2	0.3	0.9	1	0.2	0.2	0.5	0.5	7.5	0.5	2.1	2	0.5	6.8	0.6	0.9	3	0.3	6.9	0.6	1.1	3

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

TABLE 6L.

HURON, MONTCALM & SAGINAW COUNTY GLYPHOSATE GRAIN TRIALS - LATE (98 Day and Later)

ZONE 2 - 3

2006				LATE TRIAL AVERAGE										% QUALITY				HURON - ZONE 3				MONTCALM - ZONE 3				SAGINAW - ZONE 2						
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	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2103YGCBBR		103	P250	1,2	25.6	207.6	52.7	1.8	95	8.6	3.6	59.2	26.9	179.6	50.8	1.8	99	26.5	234.4	52.1	3.5	91	23.3	208.8	55.1	0.0	94	23.3	208.8	55.1	0.0	94
CROPLAN 421RR/Bt		101	C250	1,2	23.4	212.3	56.3	0.3	89	7.9	3.6	59.7	23.7	214.6	56.0	0.4	96	25.0	209.3	54.9	0.0	82	21.4	212.9	57.9	0.4	90	21.4	212.9	57.9	0.4	90
CROPLAN 4421RR		100	C250	1	21.9	205.8	55.9	2.1	94	8.0	4.2	59.2	22.3	192.5	55.8	4.2	88	23.1	215.9	54.3	0.4	94	20.3	208.8	57.7	1.8	100	20.3	208.8	57.7	1.8	100
DEKALB DKC48-53 (RR2/YGCB)		98	P250	1,2	21.7	201.4	56.7	0.9	94	7.8	4.1	59.1	21.9	192.3	56.2	0.7	100	23.5	215.7	54.4	0.4	92	19.7	196.3	59.4	1.6	91	19.7	196.3	59.4	1.6	91
DEKALB DKC51-39 (RR2/YGPL)		101	P250	1,2,3	22.7	210.6	56.4	0.5	99	7.7	3.9	59.9	23.1	204.4	56.2	0.7	100	24.7	234.1	54.4	0.4	99	20.3	193.4	58.6	0.4	98	20.3	193.4	58.6	0.4	98
DEKALB DKC52-40 (RR2/YGPL)		102	P250	1,2,3	22.6	230.1	55.6	0.4	97	8.1	3.9	59.5	23.0	225.1	55.7	0.0	97	24.0	239.2	53.9	0.4	96	20.7	226.1	57.3	0.7	98	20.7	226.1	57.3	0.7	98
DEKALB DKC52-63 (RR2/YGCB)		102	P250	1,2	24.7	224.0	54.0	2.7	85	8.5	3.7	58.5	25.4	232.7	53.1	0.4	92	26.3	224.4	52.4	4.7	81	22.4	214.8	56.3	2.9	82	22.4	214.8	56.3	2.9	82
DEKALB DKC54-46 (RR2/YGPL)		104	P250	1,2,3	24.0	216.1	55.3	0.4	94	8.8	4.0	57.8	24.2	207.0	54.4	0.7	98	25.7	225.3	53.2	0.0	92	22.0	216.0	58.2	0.4	93	22.0	216.0	58.2	0.4	93
DEKALB DKC57-79 (RR2/YGPL)		107	P250	1,2,3	26.5	226.8	53.9	1.5	96	8.5	3.9	58.7	26.6	234.1	52.8	1.1	99	29.7	227.5	52.1	2.7	90	23.2	218.7	56.6	0.7	98	23.2	218.7	56.6	0.7	98
DYNAGRO 55P86		105	P250	1,2	25.7	210.6	52.9	1.5	87	7.9	3.2	60.2	26.8	213.2	52.2	1.8	94	27.0	215.7	51.6	1.3	83	23.4	203.0	54.9	1.5	83	23.4	203.0	54.9	1.5	83
GARST 8688GT		104	C250	1	24.3	212.7	54.3	2.5	95	7.4	3.4	60.0	24.7	198.6	52.9	4.0	97	25.7	207.8	52.6	1.6	91	22.5	231.6	57.5	1.9	97	22.5	231.6	57.5	1.9	97
GREAT LAKES 5377 G3		103	P250	1,2,3	26.3	207.7	53.6	1.4	90	7.5	3.7	60.8	26.8	197.7	52.5	2.9	94	28.3	217.3	52.6	0.0	87	23.9	208.1	55.7	1.2	88	23.9	208.1	55.7	1.2	88
GREAT LAKES 5416RR		104	P250	1	25.6	216.2	52.6	2.4	99	8.7	3.9	58.8	25.7	203.1	52.3	3.2	100	28.0	238.5	50.9	2.2	98	23.1	206.9	54.8	1.8	98	23.1	206.9	54.8	1.8	98
GREAT LAKES 5711B1RR		107	P250	1,2	27.8	230.1	50.9	0.1	96	8.4	4.0	57.5	28.7	224.9	49.3	0.4	99	30.1	237.3	49.9	0.0	94	24.5	228.2	53.4	0.0	96	24.5	228.2	53.4	0.0	96
HYLAND SEEDS HLB52R		101	P250	1,2	25.6	218.9	53.4	1.6	95	7.8	3.5	59.7	26.2	223.6	52.6	2.1	100	27.5	226.0	51.6	2.3	90	23.0	207.0	56.1	0.4	95	23.0	207.0	56.1	0.4	95
LASER L-7H67B1RR		99	C250	1,2	24.6	202.2	53.3	1.5	96	8.5	4.0	58.2	25.3	203.7	52.5	2.8	100	27.5	200.7	51.1	0.0	90	21.0	202.2	56.4	1.8	97	21.0	202.2	56.4	1.8	97
MIDWEST 71101T		102	C250	1	23.9	210.3	55.6	1.1	99	7.8	3.8	59.7	24.7	193.1	54.5	0.7	100	25.2	221.9	53.7	0.4	98	21.7	215.9	58.8	2.1	100	21.7	215.9	58.8	2.1	100
MIDWEST 76172S		107	C250	1	27.4	225.7	52.0	1.7	97	7.9	3.4	59.6	28.4	221.2	51.4	0.7	99	29.3	231.6	51.2	3.9	92	24.4	224.4	53.5	0.4	99	24.4	224.4	53.5	0.4	99
NK Brand N39-K7		98	C250	1	23.0	192.6	53.6	3.2	93	8.4	3.5	59.8	23.4	184.0	52.9	4.9	98	25.1	202.8	51.7	1.5	86	20.5	191.0	56.3	3.1	94	20.5	191.0	56.3	3.1	94
NK Brand N41-P1		99	C250	1,2,4	24.1	193.6	54.6	0.5	95	8.8	3.8	58.8	24.2	178.5	53.8	0.4	100	25.4	201.6	52.8	1.2	85	22.8	200.8	57.1	0.0	100	22.8	200.8	57.1	0.0	100
NK Brand N53-W3		105	C250	1	24.4	213.2	54.1	2.1	99	7.6	3.6	59.7	25.4	194.2	53.1	3.5	100	25.5	223.0	52.5	2.8	98	22.4	222.3	57.3	0.0	98	22.4	222.3	57.3	0.0	98
NK Brand N58-L8		106	C250	1	25.7	215.6	53.6	2.8	96	7.3	3.7	60.1	25.5	222.0	52.8	5.3	98	28.0	223.5	51.7	0.4	93	23.6	201.1	56.4	2.8	96	23.6	201.1	56.4	2.8	96
TRELA 5N503		100	P250	1,2	22.9	214.3	55.2	0.6	99	7.5	4.0	60.0	23.8	202.5	54.2	1.1	100	24.5	228.3	53.4	0.4	98	20.4	212.1	58.1	0.4	100	20.4	212.1	58.1	0.4	100
TRELA 5N749		102	P250	1,2	24.8	215.1	55.7	1.5	88	8.1	3.7	59.3	26.2	195.0	53.2	1.2	90	26.2	233.1	53.3	0.4	86	21.9	217.2	60.5	2.8	88	21.9	217.2	60.5	2.8	88
AVERAGE					24.6	213.1	54.3	1.5	94	8.1	3.8	59.3	25.1	205.7	52.8	1.9	97	26.3	222.3	52.6	1.3	91	22.2	211.2	56.8	1.2	95	22.2	211.2	56.8	1.2	95
HIGHEST					27.8	230.1	56.7	3.2	99	8.8	4.2	60.8	28.7	234.1	56.2	5.3	100	30.1	239.2	54.9	4.7	99	24.5	231.6	60.5	3.1	100	24.5	231.6	60.5	3.1	100
LOWEST					21.7	192.6	50.9	0.1	85	7.3	3.2	57.5	21.9	178.5	39.1	0.0	88	23.1	200.7	49.9	0.0	81	19.7	191.0	53.4	0.0	82	19.7	191.0	53.4	0.0	82
CV (%)					2.9	6.5	2.3	120	6	3.4	6.1	1.1	3.0	7.6	10.2	87	6	2.6	5.3	0.8	149	7	2.4	5.8	3.3	141	5	2.4	5.8	3.3	141	
LSD (5%)					0.5	9.3	0.8	1.2	4	0.8	0.3	0.9	1.1	22.1	15.2	4.6	16	1.0	16.7	0.6	5.3	9	0.8	17.5	5.3	4.8	7	0.8	17.5	5.3	4.8	7

2 Year Averages				LATE TRIAL AVERAGE										% QUALITY				HURON - ZONE 3				MONTCALM - ZONE 3				SAGINAW - ZONE 2						
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	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
CROPLAN 421RR/Bt		101	C250	1,2	20.5	210.4	57.6	0.3	94	9.0	4.3	64.1	19.3	194.5	58.0	0.6	98	22.0	207.7	56.4	0.0	91	20.3	229.1	58.5	0.4	93	20.3	229.1	58.5	0.4	93
NK Brand N41-P1		99	C250	1,2,4	21.8	197.0	55.7	1.1	97	9.3	4.1	64.0	20.3	174.3	55.8	2.3	100	23.5	201.8	54.3	0.7	92	21.7	214.9	56.9	0.2	100	21.7	214.9	56.9	0.2	100
NK Brand N58-L8		106	C250	1	23.3	212.1	55.4	2.3	94	8.3	4.2	65.0	21.0	200.6	55.4	4.2	96	25.5	215.1	53.3	0.6	90	23.5	220.6	55.6	2.2	96	23.5	220.6	55.6	2.2	96
AVERAGE					21.9	206.5	56.0	1.2	95	8.9	4.2	64.4	20.2	189.8	56.4	2.4	98	23.7	208.2	54.6	0.4	91	21.8	221.5	57.0	0.9	96	21.8	221.5	57.0	0.9	96
HIGHEST					23.3	212.1	57.6	2.3	97	9.3	4.3	65.0	21.0	200.6	58.0	4.2	100	25.5	215.1	56.4	0.7	92	23.5	229.1	58.5	2.2	100	23.5	229.1	58.5	2.2	100
LOWEST					20.5	197.0	54.8	0.3	94	8.3	4.1	64.0	19.3	174.3	55.4	0.6	96	22.0	201.8	53.3	0.0	90	20.3	214.9	55.6	0.2	93	20.3	214.9	55.6	0.2	93
CV (%)					3.0	6.0	1.7	154	5	3.8	6.2	1.0	2.8	7.0	1.3	165	5	3.0	5.0	1.0	121	5	2.6	4.7	2.4	116	4	2.6	4.7	2.4	116	
LSD (5%)																																

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 2103YGCBBR	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 4095YGCBB	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 6094YGCBBR	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 3000YGCBB	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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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

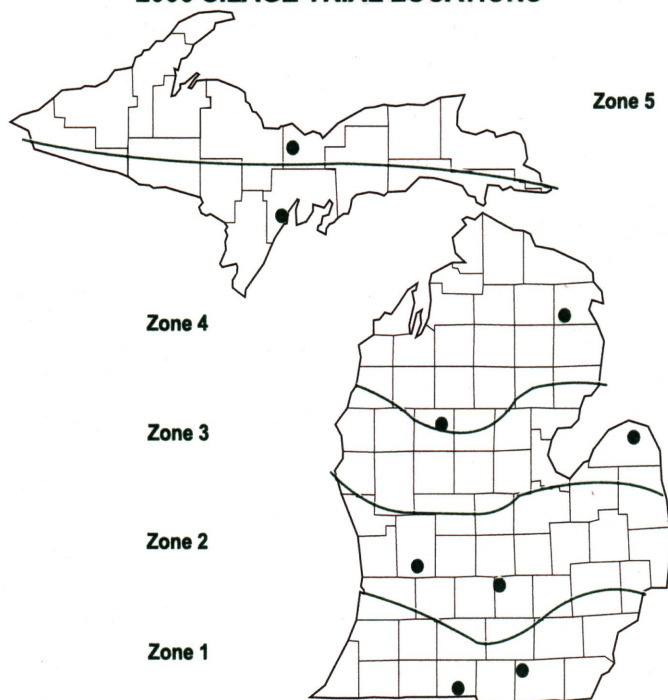
Testing procedures (randomization, replication, planting rates, etc.) for silage evaluation are the same as those utilized for the grain trials. For silage Agronomic information refer to Table C (pg. 34)

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
	LENAAWEE	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
	LENAAWEE	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

Branch
Lenawee
Wood (Ohio)
Trial Average

MONSANTO	RM Tables
ASGROW RX655RR2	107 8L
ASGROW RX715RR2/YGCB	111 7L
ASGROW RX702RR2/YGCB	110 7E
BALDRIDGE BIO-RESEARCH	
BALDRIDGE BH375	85 10
BALDRIDGE BH515	105 7E
BAYSIDE SEEDS, LLC	
BAYSIDE 3731RR	86 10
BAYSIDE S084RR	84 10
BECK'S SUPERIOR HYBRIDS	
BECK 5816CBRR	112 7L
BECK 6197CB	112 7L
CORN BELT HYBRIDS	
CORN BELT x6517YGPL/RR2	115 7L
CROPLAN GENETICS	
CROPLAN 491TS	102 8E,9
CROPLAN 566TS	106 8L
CROPLAN 631TS	111 7E
CROPLAN DS107RR	107 8L
CROW'S HYBRID CORN COMPANY	
CROWS 2121S	101 8E
CROWS 4843X	109 7E
DAIRYLAND SEED CO., INC.	
DAIRYLAND DST-8711Bt	89 10
DAIRYLAND Hi DF-3002	102 7E,8E
DAIRYLAND Hi DF-3007	106 7E,8L
DAIRYLAND Hi DF-3087RR	87 9
DAIRYLAND Hi DF-3094	94 8E
DAIRYLAND STEALTH-1503	103 7E
DAIRYLAND STEALTH-1615	112 7L
DAIRYLAND STEALTH-5007	107 7E
DAIRYLAND STEALTH-6503	103 8E
DAIRYLAND STEALTH-7184	85 10
DAIRYLAND STEALTH-7196	96 9
DAIRYLAND STEALTH-7201	101 8E
MONSANTO	
DEKALB DKC38-33 (RR2/YGCB)	88 10
DEKALB DKC40-08 (RR2/YGCB)	90 9
DEKALB DKC41-64 (RR2/YGCB)	91 9
DEKALB DKC51-39 (RR2/YGPL)	101 8E
DEKALB DKC54-46 (RR2/YGPL)	104 8L
DEKALB DKC57-79 (RR2/YGPL)	107 8L
DEKALB DKC58-19 (RR2)	108 8L
DEKALB DKC61-45 (RR2/YGCB)	111 7L
DEKALB DKC61-68 (RR2/YGRW)	111 7L
DEKALB DKC63-74 (RR2/YGPL)	113 7L
UAP DISTRIBUTION, INC.	
DYNAGRO 51G25	84 10
DYNAGRO 52P81	85 10
DYNAGRO 53F09	94 9
DYNAGRO 53G01	94 8E,9

ZONE 2 - Tables 8E/8L

Huron - Zone 3
Ingham
Kent
Trial Average

UAP - Continued
DYNAGRO 54P72
DYNAGRO 55B65
DYNAGRO 57B47
DYNAGRO 57G50
DYNAGRO 57P12
DYNAGRO 58K56
DYNAGRO CX06000
GARST SEED COMPANY
GARST 8295YG1/RR
GARST 8688GT
GARST 8866RR
GARST 8922YG1
GOLDEN HARVEST SEEDS
GOLDEN HARVEST H-7935Hx
GOLDEN HARVEST H-8920
GREAT LAKES HYBRIDS
GREAT LAKES 4689BtRR
GREAT LAKES 5416RR
GRIES SEED FARMS, INC.
GRIES Y6610R
HYLAND SEEDS
HYLAND SEEDS HLS034
HYLAND SEEDS HLS041
HYLAND SEEDS HLS047
HYLAND SEEDS HLS058
HYLAND SEEDS HLS067
HYLAND SEEDS HLSR42
HYLAND SEEDS HLSR59
ICORN
ICORN 111.E3
GOLDEN HARVEST SEEDS
LASER L-7H07Bt
MIDWEST SEED GENETICS
MIDWEST 71101T
MIDWEST 78133X
MIDWEST 7S322
MYCOGEN SEEDS
MYCOGEN 2R421
MYCOGEN F2F444
MYCOGEN F2F699
MYCOGEN F2F797
MYCOGEN TMF2M696
MYCOGEN TMF2N422
MYCOGEN TMF2Q731
MYCOGEN TMF2R336
MYCOGEN TMF2T497
SYNGENTA SEEDS
NK Brand N16-M1
NK Brand N21-L4

ZONE 4 - Table 9

Alpena
Delta - Late
Osceola
Trial Average

RM Tables	SYNGENTA - Continued	RM Tables
98 8E,9	NK Brand N31-P2	102 9
105 8L	NK Brand N33-H6	101 9
111 7L,8L	NK Brand N49-E3	106 8L
112 7L,8L	NK Brand N58-D1	107 8L
115 7L,8L	NK Brand N65-Y3	109 7E,8L
116 7L	NK Brand N72-G8	112 7L
97 8E,9	NK Brand N82-J6	116 7L
	NK Brand N91-J1	124 7L
	PARTNERS BRAND	
118 7L	PARTNERS BRAND 610YGCB	110 7E
104 8L		
95 9		
90 9	PIONEER HI-BRED INTERNATIONAL	
	PIONEER 33A87	116 7L
	PIONEER 34A18	109 7E
103 8E	PIONEER 34A86	107 7E,8L
111 7L	PIONEER 35A31	105 8L
	PIONEER 35D29	108 7E,8L
	PIONEER 35F38	104 8L
	PIONEER 36K69	103 8E
96 8E	PIONEER 37A93	97 10
104 8L	PIONEER 38B86	97 8E,9
	PIONEER 38H65	99 8E,9,10
	PIONEER 38W22	92 9
110 7E	PIONEER 39D85	87 10
	RENK SEED COMPANY	
92 8E	RENK RK244	84 10
93 8E	RENK RK438RRYGPL	92 8E,9
95 8E	RENK RK632YGCB	100 8E
101 8E		
103 8E	RUPP SEEDS, INC.	
93 8E	RUPP XR8758	98 8E
101 8E	RUPP XS1650	105 7E
	RUPP XS1904	113 7L
111 7L	SCHLESSMAN SEED	
	SCHLESSMAN SX-723YGCB	113 7L
	SPANGLER SEEDTECH, INC.	
	SPANGLER LFT38	97 10
	TRELAY SEED COMPANY	
	TRELAY 4B268	96 8E
	TRELAY 5B739	105 8L
	TRELAY 5N103	100 8E
96 8E	TRELAY 5N503	100 8E
102 8E	TRELAY 6K917	107 8L
113 7L	TRELAY 6R402	106 8L
115 7L	TRELAY 8K339	113 8L
110 7E	TRELAY 8R321	114 8L
94 9	WELLMAN SEEDS, INC.	
112 7L	WELLMAN W2615	115 7L
95 9	WELLMAN W2713	113 7L
100 8E	WOLF RIVER VALLEY SEEDS	
	WOLF RIVER VALLEY 2585LRR	85 10

ZONE 5 - Table 10

Alger
Delta - Early
Trial Average

TABLE 7E.

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

ZONE 1

2006				EARLY - TRIAL AVERAGE										BRANCH - EARLY															
				YIELD					% QUALITY					YIELD					% QUALITY										
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MILK 2000	YIELD					% QUALITY									
				MKT	MIK/A										%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MILK 2000				
				TRT	Trait																				MIK/T	MIK/A			
2006	BRAND / HYBRID	RM		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
	ASGROW RX702RR2Y/GCB	110				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
	BALDRIDGE BH515	105				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
	CROPLAN 631TS	111				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
	CROWS 4843X	109				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	* 99	82.1	20.1	40.0	55.0	6.3	37.8	3503	29148
	DAIRYLAND HI DF-3002	102				32.7	25.3	8.2	* 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
	DAIRYLAND Hi DF-3007	106				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
	DAIRYLAND STEALTH-1503	103				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
	DAIRYLAND STEALTH-5007	107				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
	GRIES V6610R	110				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
MYCOGEN TMF2M696	110				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	
NK Brand N65-Y3	109				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	
PARTNERS BRAND 610Y/GCB	110				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	
PIONEER 34A18	109				37.6	22.4	8.4	**	82.7	21.4	42.7	59.5	6.2	37.0	3573	29964	40.8	21.6	8.9	**	83.9	19.1	38.7	58.2	6.4	41.3	3599	31857	
PIONEER 34A86	107				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	
PIONEER 35D29	108				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	
RUPP XS1650	105				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	
AVERAGE					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	
HIGHEST					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	
LOWEST					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	
CV (%)					1.2	1.0	0.4	4	0.8	1.2	1.6	1.0	0.2	1.7	59	1496	5.5	2.3	0.9	15	2.9	4.5	6.4	1.9	0.4	7.0	92	3529	
LSD (5%)																													

2 Year Averages				EARLY - TRIAL AVERAGE										BRANCH - EARLY																				
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	MKT	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	MKT	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						
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						
PIONEER 34A86		107	P1250		43.4	20.3	8.6	** 96	82.3	19.8	39.7	55.0	6.4	39.8	3425	29468	46.8	19.3	8.9	*	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	*	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						
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						
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						
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						
SD (5%)					1.0	0.7	0.3	2	0.6	0.8	1.1	0.7	0.1	1.2	42	949	1.8	1.1	0.5	4	0.9	1.3	1.9	1.2	0.2	2.1	57	1798						

3 Year Averages				EARLY - TRIAL AVERAGE (Two locations in 2004)										BRANCH - EARLY													
				YIELD					% QUALITY					YIELD					% QUALITY								
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Stch				
BRAND / HYBRID	RM	TRT	Trait																								
RUPP XS1650	105	C250		41.7	19.2	7.9	85	80.7	19.9	38.6	49.7	6.7	38.8	32.73	25759	42.4	20.5	8.6	87	81.3	18.8	36.8	49.0	6.5	40.8	3322	28619

TABLE 7L - Continued from page 38.

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

LATE TRIAL				LATE - TRIAL AVERAGE (Two locations in 2004)										BRANCH - LATE															
3 Year Averages				YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					
BRAND / HYBRID	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		
DAIRYLAND STEALTH-1615	112	P250		42.4	19.7	8.2	**	96	83.4	17.6	34.8	52.1	6.1	42.8	3494	28550	43.6	20.6	8.9	**	96	83.3	16.8	33.5	49.8	6.0	45.1	3451	30650
RUPP XS1904	113	C250		41.0	19.9	8.2	**	91	81.0	19.8	37.9	49.6	6.4	40.1	3337	27325	42.5	20.2	8.6	*	90	80.6	19.1	36.8	47.3	6.3	41.9	3270	28205
AVERAGE				41.7	19.8	8.2	94	82.2	18.7	36.4	50.9	6.3	41.4	3416	27938	43.0	20.4	8.8	93	82.0	18.0	35.1	48.6	6.1	43.5	3361	29427		
CV (%)				6.7	7.7	7.2	4	1.3	7.0	5.3	3.3	5.3	6.3	3	8	5.5	6.3	5.8	3	1.3	6.9	5.2	3.5	4.1	5.6	3	6		
SD (5%)				1.1	0.7	0.3	2	0.5	0.6	0.9	0.7	0.1	1.0	39	941	1.5	1.0	0.4	2	0.7	0.9	1.3	1.2	0.2	1.5	59	1200		

2006					LENAWEE - EARLY										WOOD (OHIO) - EARLY																			
BRAND / HYBRID		RM	TRT	Trait	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000				
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A						
ASGROW 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						
CROWS 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	**	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	30343					
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	22.7	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						
SD (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					MILK 2000					YIELD					% QUALITY					MILK 2000				
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A		%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A					
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	28663					
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	7.5	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						MILK 2000					YIELD						% QUALITY					MILK 2000		
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A			
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																		

TABLE 7L - Continued from page 39.

LATE TRIAL					LENAWEE - LATE										WOOD (OHIO) - LATE																			
3 Year Averages					YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000				
BRAND / HYBRID		RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A			
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																		

TABLE 7L. BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - LATE (111 Day and Later) ZONE 1

2006					LATE - TRIAL AVERAGE										BRANCH - LATE														
RM	TRT	Trait	BRAND / HYBRID	YIELD	% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000				
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	
111	P250	1,2	ASGROW RX715RR2/YGCB	97	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	
112	P250	1,2	BECK 5816CBRR	94	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	
112	P250	2	BECK 6197CB	98	34.4	25.4	8.4	98	81.6	22.4	43.5	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	
115	P250	1,2,3	CORN BELT X6517YGPL/RR2	92	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	
112	P250		DAIRYLAND STEAL TH-1615	91	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	
111	P250	1,2	DEKALB DKC61-45 (RR2/YGCB)	99	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	
111	P250	1,3	DEKALB DKC61-68 (RR2/YGRW)	**	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	
113	P250	1,2,3	DEKALB DKC63-74 (RR2/YGPL)	98	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	
111	P250	1,2,3	DYNAGRO 57B47	91	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	
112	P250	1,3	DYNAGRO 57G50	94	36.1	23.0	8.2	94	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	
115	P250	1,2	DYNAGRO 57P12	91	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	
116	P250	1	DYNAGRO 58K56	90	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	
118	C250	1,2	GARST 8295YG1/RR	91	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	
111	C250		GOLDEN HARVEST H-8920	95	38.8	21.5	8.3	95	82.2	18.9	38.4	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	
111	C125		ICORN 111.E3	91	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	
112	C250		MIDWEST 78133X	92	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	
111	C250		MIDWEST 75322	97	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	
113	C250	2,4,7	MYCOGEN F2F699	81	35.7	20.9	7.5	81	81.0	23.8	47.1	59.9	7.2	31.0	3496	29939	39.2	20.5	8.1	80	76.9	25.0	47.7	51.9	7.4	31.6	3116	25061	
115	C250	7	MYCOGEN F2F797	96	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	
112	C250	2,4	MYCOGEN TMF2Q731	99	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	
112	C250		NK Brand N72-G8	97	41.6	22.5	9.2	97	83.2	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	
116	C250	2,4	NK Brand N82-J6	90	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	
124	C250	2,4	NK Brand N91-J1	98	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	22.5	42.6	52.1	6.4	36.6	3361	34157	
116	P1250	2,4	PIONEER 33A87	92	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	
113	C250		RUPP XS1904	87	38.2	20.5	7.9	87	79.3	22.6	43.3	52.0	6.5	36.7	3279	25886	40.9	19.0	7.9	85	79.5	20.7	40.0	48.6	6.6	41.6	3223	25388	
113	C125	2	SCHLESSMAN SX-723/YGCB	84	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	
115			WELLMAN W2615	82	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	
113			WELLMAN W2713	98	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				93	37.0	23.5	8.6		81.5	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				99	41.6	28.7	9.7		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				81	31.2	20.5	7.5		78.4	18.9	38.2	52.0	5.9	28.4	3279	25886	34.3	18.9	7.7	80	76.9	16.4	33.6	48.1	6.3	31.6	3116	25061	
CV (%)				5	5.6	7.2	6.5		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%)				3	1.4	1.1	0.4		0.8	1.1	1.6	1.0	0.3	1.6	64	1344		6.5	2.0	0.8	11	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					MILK 2000					YIELD					% QUALITY					MILK 2000				
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A						
DAIRYLAND STEAL TH-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 (RR2/YGCB)		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						
DYNAGRO 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	36.4	48.7	6.8	43.2	3368	26553						
ICORN 111.E3		111	C125		43.1	21.2	9.0	*	95	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	3445	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	*	100	79.7	22.5	42.1	51.7	6.1	35.7	3371	32662					
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	6.1	40.9	3499	29877	42.9	20.2	8.5	87	82.2	18.6	36.3	51.0	6.0	41.2	3406	28970						
AVERAGE					39.5	22.7	8.8	94	81.2	20.6	39.8	52.4	6.3	37.9	3388	29754	42.3	21.6	9.0	94	81.7	18.6	36.8	50.1	6.4	41.2	3370	30367						
HIGHEST					43.1	27.9	9.2	99	82.9	26.2	47.7	54.6	6.7	41.6	3499	31422	44.7	26.4	9.9	100	83.2	22.5	42.1	53.2	7.0	43.9	3537	34913						
LOWEST					33.2	20.7	8.5	86	78.3	18.1	36.3	50.2	6.0	28.0	3269	28580	37.6	18.2	7.9	87	79.6	17.0	34.6	47.3	6.0	35.7	3197	26553						
CV (%)					6.0	7.0	6.2	4	1.4	7.4	5.5	3.0	5.7	6.6	3	7	5.7	6.2	6.3	3	1.4	7.3	5.3	3.4	4.3	5.6	3	6						
1SD (%)					1.1	0.8	0.3	2	0.6	0.7	1.1	0.8	0.2	1.2	43	937	1.9	1.2	0.5	3	1.0	1.2	1.7	1.4	0.2	1.9	77	1578						

2006				LENAWEE - LATE										WOOD (OHIO) - LATE													
				YIELD					% QUALITY					YIELD					% QUALITY								
BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MILK 2000	MILK 2000	MILK 2000	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Strch	MILK 2000
ASGROW RX715RR2YGC8	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 5816GBRR	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 6197GB	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		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	87	81.8	21.4	42.0	56.6	6.3	36.9	3498 31930		
DEKALB DKC61-45 (RR2YGC8)	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	89	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	95	82.0	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	92	80.4	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/RR	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		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 111E3	111	C125		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	3415 30234		
MIDWEST 78133X	112	C250		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		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	80	82.7	22.4	44.9	61.5	7.4	33.8	3646 25380	34.9	20.9	7.3	84	83.5	23.9	48.8	66.3	6.8	27.6	3724 27376		
MYCOGEN F2F797	115	C250	7	34.4	20.2	7.0	98	83.2	21.0	42.7	60.6	6.2	35.6	3677 25635	32.1	26.7	8.5	99	84.0	23.6	47.4	66.2	6.7	26.3	3756 32017		
MYCOGEN TMF2Q731	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		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	3239 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		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-723YGC8	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	28.1	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	3.8	4.9	4	1.4	7.2	5.3	2.2	6.0	7.8	3	6
SD (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

2 Year Averages										LENAWEE - LATE										WOOD (OHIO) - LATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
BRAND / HYBRID				RM	TRT	Trait	YIELD					% QUALITY					MILK 2000					YIELD					% QUALITY					MILK 2000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
							%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFF	CP	Stch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	ND

- 3 Year Averages Continue on page 37.

TABLE 8E.

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

ZONE 2 - 3

2006				EARLY - TRIAL AVERAGE										HURON - EARLY - ZONE 3													
BRAND / HYBRID	RM	TRT	Trait	YIELD			% QUALITY							YIELD			% QUALITY							MILK 2000			
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MKT	MK/A		
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	35.25	31058	42.8	22.8	9.7 **	100	83.9	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	23.3	9.3 *	92	82.7	17.4	35.6	54.6	6.8	43.6	3594	33556
DAIRYLAND HI DF-3002	102	P250		35.9	24.1	8.6 *	97	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 STEAL TH-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 (RR2YGPL)	101	P250	1,2,3	37.6	22.0	8.2	97	84.0	18.0	36.8	56.4	6.9	43.9	3475	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	3488	28317	43.9	18.3	8.0	96	82.7	16.4	33.7	48.4	6.6	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	3940	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	4.8	6.4	5.9	3	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	5.6	13.99	5.8	1.8	0.7	4	1.6	2.3	3.6	4.4	0.4	3.2	124	2622

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

2006				INGHAM - EARLY - ZONE 2										KENT - EARLY - ZONE 2															
BRAND / HYBRID	RM	TRT	Trait	YIELD			% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000						
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Starch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Starch	MK/T	MK/A		
CROPLAN 491TS	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	38.9	3429	27715	40.8	20.5	8.2	92	83.0	18.0	37.5	54.7	7.7	41.1	3499	28723		
DAIRYLAND STEALTH-6503	103	P250	1	32.0	24.1	7.9	90	81.0	23.1	44.8	57.6	6.8	35.5	3488	27538	35.5	20.9	7.4	91	83.8	18.4	37.4	56.7	7.4	40.8	3660	26892		
DAIRYLAND STEALTH-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	58.3	7.7	38.4	3630	29934		
DEKALB DKC51-39 (RR2YGPL)	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 4689BIRR	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	20.4	7.4	100	87.8	16.0	36.4	66.4	7.9	38.1	4017	29746		
MYCOGEN TMF2T497	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 38B86	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	29523		
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 RK632YGOB	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		
TRELAY 4B268	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		
TRELAY 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		
TRELAY 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	3	7	4.8	6.6	7.1	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		

- 2 Year & 3 Year Averages Continue on page 47

TABLE 8L.

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

ZONE 2 - 3

2006																HURON - LATE - ZONE 3															
LATE - TRIAL AVERAGE																% QUALITY															
YIELD																YIELD															
MILK 2000																MILK 2000															
BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A								
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	80.3	20.2	39.1	49.4	5.6	44.6	3161	26924								
CROPLAN 566TS	106	C250	1,2,3	43.1	20.2	8.7	95	83.4	17.1	35.1	52.8	6.5	44.9	3455	29964	84.0	16.6	34.5	53.5	6.4	45.1	3578	30488								
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	77.5	24.7	46.3	51.3	5.8	33.1	3216	26058								
DAIRYLAND HI DF-3007	106	P250		38.7	23.1	8.8	99	81.9	19.9	39.9	54.7	6.3	40.8	3485	30835	80.7	21.3	41.6	53.3	5.7	40.1	3434	29927								
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	82.5	19.5	39.1	55.0	6.7	41.3	3579	29935								
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	83.1	18.1	36.4	53.5	6.3	44.3	3539	31651								
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	80.7	19.4	38.1	49.1	6.2	44.5	3295	29993								
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	82.0	19.7	39.0	53.9	6.5	40.7	3541	31165								
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	83.6	17.3	35.6	53.6	6.2	44.1	3594	32869								
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	82.7	19.9	38.1	55.2	5.7	41.4	3642	32451								
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	82.7	19.9	39.5	56.1	6.4	38.5	3624	36060								
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	83.6	17.3	34.8	52.8	6.3	43.6	3537	33668								
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	82.9	17.9	35.8	52.1	6.3	46.6	3425	29868								
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	80.2	20.2	40.1	55.4	6.5	39.3	3495	31789								
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	83.2	18.8	38.4	56.1	6.6	40.7	3637	33819								
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	82.5	19.9	39.3	55.2	6.4	39.2	3600	30925								
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	81.1	22.4	43.4	56.2	5.9	38.9	3402	29981								
PIONEER 35A31	105	P1250	2,4,11,13	39.0	24.2	9.2*	95	83.5	18.4	36.9	55.3	6.6	42.0	3597	33363	83.6	18.2	36.6	55.1	6.1	43.0	3637	35314								
PIONEER 35D29	108	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	82.0	21.4	41.6	56.4	6.0	39.4	3577	35018								
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	83.4	17.7	35.5	53.1	5.9	45.5	3493	30847								
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	82.3	18.3	36.2	50.7	6.2	44.8	3369	31448								
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	84.2	15.5	32.4	51.2	6.1	48.1	3449	28047								
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	80.8	19.0	37.4	49.8	5.7	46.2	3244	29384								
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	83.3	18.0	36.7	54.3	6.4	42.3	3629	34489								
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	80.4	18.9	37.7	52.1	5.9	46.4	3415	28807								
AVERAGE				40.7	22.1	8.9	96	82.7	18.6	37.4	53.9	6.5	42.0	3478	30896	82.2	19.2	38.1	53.4	6.1	42.5	3484	31238								
HIGHEST				44.4	26.7	9.6	100	84.7	22.8	43.7	56.7	7.0	45.6	3643	34540	84.2	24.7	46.3	56.4	6.7	48.1	3642	36060								
LOWEST				35.5	19.4	8.3	87	79.4	16.6	34.2	50.1	6.1	33.9	3241	27930	77.5	15.5	32.4	49.1	5.6	33.1	3161	26058								
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	7				
LSD (5%)				1.5	1.1	0.4	3	0.7	1.0	1.4	0.9	0.2	1.5	55	1438	5.5	2.2	0.8	3	3.2	2.2	3.2	1.9	0.5	3.3	224	3017				

2 Year Averages																HURON - LATE - ZONE 3															
LATE - TRIAL AVERAGE																% QUALITY															
YIELD																YIELD															
MILK 2000																MILK 2000															
BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A								
DYNAGRO 57B47	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	81.8	18.2	36.1	49.5	6.0	44.3	3333	30400								
NK Brand N49-E3	106	C250	8	42.9	20.9	8.8	98	83.0	19.0	36.9	53.8	6.8	41.1	3461	30571	82.3	19.0	37.2	52.1	6.5	42.5	3389	29701								
NK Brand N65-Y3	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	81.7	20.0	38.1	52.0	6.1	41.4	3399	29519								
PIONEER 34A86	107	P1250		45.7	20.5	9.2*	98	82.4	19.1	37.6	52.9	6.5	42.7	3362	31022	80.8	20.6	40.0	51.7	6.0	42.4	3258	29860								
TRELAY 56739	105	P250	2	47.9	20.1	9.4**	97	81.7	18.8	36.0	49.1	6.2	44.5	3247	30687	81.6	17.7	34.7	46.8	6.1	47.4	3222	29433								
AVERAGE				44.4	20.9	9.1	97	82.3	19.1	37.0	52.0	6.5	42.0	3378	30710	81.7	19.1	37.2	50.4	6.2	43.6	3320	29783								
HIGHEST				47.9	21.7	9.4	98	83.0	19.8	37.9	53.8	6.8	44.5	3461	31022	82.3	20.6	40.0	52.1	6.5	47.4	3399	30400								
LOWEST				42.7	20.1	8.8	96	81.7	18.8	36.0	49.1	6.2	39.6	3247	30376	80.8	17.7	34.7	46.8	6.0	41.4	3222	29433								
CV (%)				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	6				
LSD (5%)				1.1	0.7	0.3	2	0.6	0.8	1.1	0.9	0.1	1.2	46	948	1.6	1.1	0.4	2	1.1	1.4	2.0	1.8	0.2	2.2	76	1451				

3 Year Averages																HURON - LATE - ZONE 3															
LATE - TRIAL AVERAGE																% QUALITY															
YIELD																YIELD															
MILK 2000																MILK 2000															
BRAND / HYBRID	RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A								
NK Brand N49-E3	106	C250	8	42.7	21.3	9.0	99	83.0	18.7	36.5	53.4	6.8	40.5	3465	31101	82.8	18.7	36.8	53.1	6.5	41.9	3416	27899								

TABLE 9.

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

ZONE 4

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	Strch	MILK 2000	MILK 2000	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MILK 2000	MILK 2000		
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 (RR2YGCB)		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	28653	
DEKALB DKC41-64 (RR2YGCB)		91	P250	1,2	38.7	20.9	7.9	99	83.5	18.8	38.1	56.7	7.3	38.9	3586	28087	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-7H07Bt		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 TMF2N422		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 TMF2R336		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 388B6		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	3634	23788		
PIONEER 38H65		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	3720	30137	
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	38.9	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	38.8	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	43.7	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		
SD (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					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 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	26852	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						

TRIAL AVERAGE (Osceola not included)

3 Year Averages				TRIAL AVERAGE (Osceola not included)												ALPENA												
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
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	7.4	5.6	3.2	4.7	6.8	2	7	4.7	7.4	5.9	3	1.1	7.4	5.4	3.3	5.6	6.6	2	6
SD (5%)					0.8	0.6	0.2	1	0.4	0.6	0.9	0.7	0.1	1.1	35	731	1.2	1.0	0.3	2	0.6	0.9	1.4	1.3	0.3	1.7	58	1180

2006				OSCEOLA										DELTA - LATE																
BRAND / HYBRID				YIELD					% QUALITY					YIELD					% QUALITY					MILK 2000						
				RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MILK 2000	MK/T	MK/A	%DM	GT/A	DT/A	%Std			IVD	ADF	NDF	NDFD	CP
CROPLAN 491TS				102	C250	1,2,3	29.2	28.5	8.4	96	82.9	20.5	41.0	58.3	8.1	35.4	3611	30230	38.7	19.2	7.4	88	81.4	21.6	43.3	56.9	7.1	34.9	3502	25805
DAIRYLAND Hi DF-3087RR				87	P250	1	35.4	24.0	8.5	91	83.4	17.8	37.6	56.0	8.4	37.9	3628	30743	41.0	16.3	6.7	88	79.1	21.9	42.9	51.3	7.6	34.0	3231	21565
DAIRYLAND STEALTH-7196				96	P250	1,2	33.0	24.6	8.1	78	83.8	18.2	37.3	56.5	7.8	41.0	3668	29635	42.2	16.9	7.2	71	80.6	21.0	41.2	53.1	6.8	41.0	3291	23845
DEKALB DKC40-08 (RR2YGC8)				90	P250	1,2	38.1	21.4	8.2	92	84.8	15.4	32.9	53.9	7.6	45.3	3673	29932	47.7	17.1	8.0	100	81.1	19.8	39.9	52.4	7.0	40.2	3199	25666
DEKALB DKC41-64 (RR2YGC8)				91	P250	1,2	32.2	25.0	8.0	98	83.5	19.7	39.3	58.0	7.6	37.3	3658	29099	44.7	17.2	7.6	99	82.9	17.8	37.0	53.4	7.5	41.3	3393	25796
DYNAGRO 53F09				94	P250	2	33.0	25.1	8.3	90	84.1	18.5	38.5	58.4	7.5	40.4	3699	30639	41.0	18.3	7.5	97	81.0	20.2	40.0	52.3	6.4	40.2	3373	25129
DYNAGRO 53G01				94	P250	1,3	32.8	23.6	7.8	82	84.1	18.4	38.1	58.1	7.5	39.8	3700	28759	39.0	18.8	7.4	97	79.7	21.6	42.3	51.9	7.0	37.2	3321	24527
DYNAGRO 54P72				98	P250	1,2	34.3	25.0	8.7	84	83.3	19.0	39.1	57.4	7.7	37.6	3637	31633	43.3	20.5	8.9	97	81.5	18.6	37.6	50.6	7.3	40.8	3295	29308
DYNAGRO CX06000				97	P250	1,2,3	33.1	26.4	8.8	91	84.9	18.5	38.7	61.0	7.8	38.3	3782	33344	38.1	19.6	7.5	99	79.5	23.4	46.0	55.3	7.0	33.5	3310	24762
GARST 8866RR				95	C250	1	33.6	17.6	5.9	64	83.7	18.6	38.4	57.5	8.0	37.4	3659	21597	41.1	15.3	6.3	56	80.7	20.1	40.3	52.2	7.4	38.6	3316	20955
GARST 8922YG1				90	C250	2	34.6	24.8	8.5	93	84.8	17.3	36.1	57.9	7.4	42.1	3750	31953	42.3	19.7	8.3	98	80.9	20.7	41.0	53.6	6.5	40.0	3324	27439
LASER L-7H07Bt				95	C250	2	34.8	25.7	8.9	100	84.6	17.0	36.2	57.2	7.3	42.5	3729	33194	41.6	19.3	8.1	100	80.4	22.1	43.2	54.6	6.4	37.5	3336	26951
MYCOGEN TMF2N422				94	C250	1,8	33.1	26.1	8.6	96	81.8	20.4	40.0	54.4	7.1	37.1	3499	29958	41.8	18.7	7.8	92	81.9	19.7	40.0	54.9	6.6	39.0	3415	26638
MYCOGEN TMF2R336				95	C250	8	34.0	26.1	8.8	95	83.5	18.8	38.7	57.2	8.3	37.3	3633	32072	41.4	19.3	8.0	95	81.1	19.9	40.6	53.3	7.4	37.2	3374	26845
NK Brand N31-P2				102	C250	4,8	34.6	25.4	8.7	97	83.1	18.9	39.4	57.2	8.3	34.4	3608	31493	41.1	18.4	7.6	99	80.6	21.5	42.9	54.6	7.6	32.9	3355	25497
NK Brand N33-H6				101	C250	8	32.7	27.9	9.1	91	83.0	19.1	39.0	56.4	7.9	37.7	3607	32642	39.9	20.2	8.2	91	80.8	20.4	40.5	52.3	7.2	38.0	3345	27293
PIONEER 38B86				97	P1250	1,2,4,11	34.7	21.6	7.5	77	85.1	17.6	36.9	59.5	8.5	39.2	3781	28435	43.2	17.5	7.6	73	83.0	17.6	36.7	53.7	7.7	42.1	3428	25908
PIONEER 38H65				99	P1250	1,2,4,11	35.1	23.9	8.4	96	85.6	16.5	35.4	59.3	7.9	40.9	3816	32054	45.4	16.4	7.4	100	82.1	18.6	38.2	53.2	6.9	41.0	3313	24458
PIONEER 38W22				92	P1250	2,4,11	35.8	22.8	8.2	88	85.0	17.0	36.4	58.9	8.5	38.9	3757	30619	41.4	18.1	7.5	90	81.4	19.6	39.0	52.1	7.6	38.0	3354	25255
RENK RK438RRYGPL				92	C250	1,2,3	34.8	26.1	9.0	98	85.7	16.7	35.2	59.4	7.8	43.1	3828	34363	40.1	19.4	7.8	100	78.4	24.4	47.0	54.3	6.9	33.3	3224	25122
AVERAGE							33.9	24.6	8.3	90	84.0	18.2	37.7	57.6	7.8	39.2	3686	30620	41.8	18.3	7.6	91	80.9	20.5	41.0	53.3	7.1	38.0	3335	25438
HIGHEST							38.1	28.5	9.1	100	85.7	20.5	41.0	61.0	8.5	45.3	3828	34363	47.7	20.5	8.9	100	83.0	24.4	47.0	56.9	7.7	42.1	3502	29308
LOWEST							29.2	17.6	5.9	64	81.8	15.4	32.9	53.9	7.1	34.4	3499	21597	38.1	15.3	6.3	56	78.4	17.6	36.7	50.6	6.4	32.9	3199	20955
CV (%)							4.9	5.0	6.0	6	1.0	7.2	4.9	2.5	3.2	5.4	2	7	6.5	5.8	7.3	5	1.8	9.6	7.8	3.1	4.9	8.9	3	8
LSD (5%)							2.4	1.8	1.4	8	2.5	3.7	5.2	2.0	0.7	3.0	97	2877	3.9	1.5	0.8	13	2.1	5.6	9.1	2.4	0.5	9.6	119	2964

2 Year Averages				OSCEOLA												DELTA - LATE											
BRAND / HYBRID	RM	TRT	Trait	YIELD				% QUALITY				MILK 2000				YIELD				% QUALITY				MILK 2000			
				%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A
DYNAGRO 53F09	94	P250	2	34.4	22.6	7.7	94	84.3	18.3	37.1	57.5	7.7	40.7	3715	28717	37.5	19.1	7.1	* 95	81.3	20.7	40.9	54.2	7.0	37.9	3444	24387
GARST 8922YG1	90	C250	2	35.9	22.7	8.1	95	84.8	17.5	35.8	57.4	7.5	41.7	3740	30202	41.3	18.2	7.5	**	82.2	19.5	39.3	54.6	7.0	40.0	3432	25503
NK Brand N33-H6	101	C250	8	34.6	25.2	8.6	** 95	83.4	19.1	38.0	56.2	8.1	37.5	3631	31266	37.4	19.4	7.3	* 92	80.7	21.0	41.3	53.3	7.8	35.4	3382	24719
PIONEER 38W22	92	P1250	2,4,11	37.1	20.7	7.7	91	84.3	17.6	36.1	56.6	8.4	38.6	3673	28186	40.7	17.8	7.3	* 92	82.2	18.8	38.2	53.4	8.0	37.2	3434	24980
AVERAGE				35.5	22.8	8.0	94.0	84.2	18.1	36.8	56.9	7.9	39.6	3690	29593	39.2	18.6	7.3	94	81.6	20.0	39.9	53.9	7.4	37.6	3423	24897
HIGHEST				37.1	25.2	8.6	95.0	84.8	19.1	38.0	57.5	8.4	41.7	3740	31266	41.3	19.4	7.5	96	82.2	21.0	41.3	54.6	8.0	40.0	3444	25503
LOWEST				34.4	20.7	7.7	91.0	83.4	17.5	35.8	56.2	7.5	37.5	3631	28186	37.4	17.8	7.1	92	80.7	18.8	38.2	53.3	7.0	35.4	3382	24387
CV (%)				4.6	5.9	5.8	5.1	1.0	7.1	5.1	2.4	3.3	5.3	2	6	5.7	6.8	6.4	4	1.7	8.7	6.8	3.9	4.8	8.4	3	8
LSD (5%)				1.3	1.2	0.4	3.9	0.7	1.1	1.6	1.1	0.2	1.7	54	1553	1.9	1.0	0.4	3	1.2	1.5	2.3	1.7	0.3	2.6	82	1566

3 Year Averages				OSCEOLA										DELTA - LATE														
BRAND / HYBRID		RM	TRT	Trait	YIELD			% QUALITY					MILK 2000			YIELD			% QUALITY					MILK 2000				
					%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MK/T	MK/A

ZONE 5

2006			TRIAL AVERAGE										ALGER										
			YIELD					% QUALITY					YIELD					% QUALITY					
RM	TRT	Trait	%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch	MILK/2000	MILK/2000	MILK/2000	IVD	ADF	NDF	NDFD	CP	Strch	MILK/2000	MILK/2000
85	BALDRIDGE BH375		36.3	14.5	5.3	82	79.6	22.8	45.7	55.2	8.2	32.5	3300	17319	3300	80.4	22.7	46.2	57.6	8.9	30.2	3414	15908
86	BAYSIDE 3731RR	1	39.9	16.3	6.5	84	82.5	19.9	41.3	57.5	7.6	37.6	3474	22271	3474	83.4	19.8	42.1	60.4	8.1	36.1	3649	20178
84	BAYSIDE S084RR	P250 1	37.9	14.2	5.4	75	82.9	20.4	43.1	60.3	8.0	31.9	3561	18871	3561	83.5	19.5	42.1	60.9	8.7	32.5	3670	17122
89	DAIRYLAND DST-8711Bt	P250 2	40.8	18.0	7.4	**	83.0	19.6	40.7	58.3	7.7	37.9	3506	25620	3506	83.2	19.8	41.4	59.8	7.5	37.3	3629	23747
85	DAIRYLAND STEALTH-7184	P250 1,2	36.8	17.9	6.6	100	82.7	19.5	40.5	56.8	7.3	37.2	3508	29292	3518	83.9	19.8	41.4	60.7	7.9	35.3	3688	21722
88	DEKALB DKC38-33 (RR2YGCB)	P250 1,2	38.1	17.4	6.6	87	82.3	19.6	40.5	56.2	7.9	37.5	3453	22586	3453	82.7	20.3	42.1	59.0	8.3	34.4	3591	21630
84	DYNAGRO 51G25	P250 1,3	38.7	14.6	5.7	74	81.5	20.1	41.2	55.1	7.8	37.5	3404	19258	3404	85	19.4	41.0	55.0	8.0	38.0	3450	17940
85	DYNAGRO 52P81	P250 1,2	37.0	18.4	6.8	98	83.3	19.5	40.9	59.1	7.8	36.9	3603	24268	3603	83.6	19.7	41.7	60.7	7.8	35.7	3670	23446
82	NK Brand N16-M1	C250 2,4	40.0	15.2	6.2	84	83.4	18.5	38.8	57.1	8.2	39.0	3513	21543	3513	82.9	19.3	40.3	57.5	8.5	36.7	3566	19376
86	NK Brand N21-L4	C250	42.9	15.0	6.4	92	82.9	18.5	38.9	55.8	7.4	40.1	3429	21714	3429	83.6	18.5	39.6	58.4	7.5	39.5	3578	21207
97	PIONEER 37A93	P1250 1,2	37.0	17.8	6.6	83	82.9	19.3	39.8	57.0	8.3	38.5	3548	23116	332	83.2	18.9	39.3	57.5	8.7	38.8	3613	22418
99	PIONEER 38H65	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	333	84.7	19.4	41.2	62.8	7.8	36.9	3774	23726
87	PIONEER 39D85	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	348	85	19.5	40.5	57.5	8.3	38.0	3588	20961
84	RENK RK244	C250 2,4	39.3	13.2	5.2	51	81.1	20.7	41.5	54.4	8.3	36.6	3350	17141	340	89.1	20.7	41.7	55.6	8.9	36.2	3468	16025
97	SPANGLER LFT38	P250 1,2,4,11	33.9	20.5	6.8	83	82.0	22.1	43.9	58.8	7.6	34.5	3539	23978	30.1	83.5	21.6	43.4	61.7	7.8	34.2	3671	23475
85	WOLF RIVER VALLEY 2585LRR	P250 1	36.5	17.4	6.4	71	82.1	21.2	44.5	59.5	8.5	32.2	3526	22155	32.8	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	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	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	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	1.3	7.3	5.7	3.5	4.9	6.7	2	8
SD (%)			2.0	1.1	0.4	6	1.0	1.3	2.1	1.6	0.3	2.1	73	1465	3.0	1.6	2.1	3.4	3.0	0.6	3.4	119	4702

2 Year Averages				TRIAL AVERAGE												ALGER											
				YIELD				% QUALITY								YIELD				% QUALITY							
BRAND / HYBRID	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 (2 Year Averages)									
			YIELD					% QUALITY				
			%DM	GT/A	DT/A	%Std	IVD	ADF	NDF	NDFD	CP	Strch
BRAND / HYBRID	RM	TRT	Trait									
BALDRIDGE BH375	85			40.5	14.5	5.9	91	78.7	22.9	45.1	52.8	7.4
BAYSIDE 3731RR	86		1	44.6	16.6	7.4	97	81.6	19.9	40.5	54.5	7.1
BAYSIDE S084RR	84	P250	1	43.4	13.8	6.0	92	82.2	21.2	44.1	59.6	7.2
DAIRYLAND DST-8711Bt	89	P250	2	45.7	17.8	8.1	**	100	82.7	19.4	40.0	56.8
DAIRYLAND STEALTH-7184	85	P250	1,2	41.7	17.2	7.3	**	100	81.4	19.1	39.5	52.8
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
DYNAGRO 51G25	84	P250	1,3	42.8	14.4	6.1	83	81.5	20.0	41.4	55.2	7.6
DYNAGRO 52P81	85	P250	1,2	39.8	17.8	7.1	93	82.9	19.2	40.0	57.2	7.7
NK Brand N16-M1	82	C250	2,4	44.3	15.3	6.9	* 99	83.8	17.6	37.3	56.6	7.8
NK Brand N21-L4	86	C250		45.9	14.8	6.8	* 100	82.1	18.4	38.1	53.1	7.2
PIONEER 37A93	97	P1250	1,2	40.7	17.0	6.9	* 85	82.6	19.7	40.2	56.5	7.9
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
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
RENK RK244	84	C250	2,4	44.6	12.8	5.7	84	80.7	20.7	41.2	53.1	7.7
SPANGLER LFT38	97			37.7	19.3	7.2	92	80.4	22.5	44.3	55.8	7.3
WOLF RIVER VALLEY 25851RR	85	1		40.1	18.2	7.3	* 88	81.4	20.6	42.6	56.4	8.1
AVERAGE				42.5	16.3	6.9	92	81.8	20.0	41.0	55.5	7.5
HIGHEST				45.9	19.4	8.1	100	83.8	22.9	45.1	59.6	8.1
LOWEST				37.7	12.8	5.7	64	78.7	17.6	37.3	52.8	7.1
CV (%)				6.2	8.5	7.4	6	1.6	8.3	6.3	2.8	4.7
SD (%)				3.8	2.0	1.4	15	3.6	4.8	7.4	2.3	0.5

2 Year Averages													EARLY - TRIAL AVERAGE													HURON - EARLY - ZONE 3																									
			YIELD				% QUALITY				YIELD					% QUALITY				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	%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																							
	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																							
	93	P250		38.2	20.5	7.8	90	83.4	19.1	37.4	55.5	7.3	39.3	3587	27940	41.0	19.8	8.1		91	83.9	17.6	34.9	53.7	6.9	43.5	3564	28716																							
	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																							
	101	P250		35.8	24.3	8.6	**	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																							
	103	P250		34.9	24.2	8.4	*	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																							
	93	P250	1	38.7	20.6	7.9	98	83.3	19.1	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																								
	101	P250	1	34.1	24.6	8.4	*	80.7	22.9	42.9	54.9	7.0	32.4	3452	28984	35.9	25.2	9.0	*	93	81.0	21.1	40.0	52.4	6.6	36.2	3458	31151																							
	100	C250	8	38.5	22.5	8.6	**	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	27940	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													YIELD													% QUALITY													MILK YIELD												
			YIELD				% QUALITY				YIELD					% QUALITY				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	%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	**	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																							
	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	81.0	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	38.4	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 HLSR59		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	22.5	8.3	98	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	18.6	7.2	79	81.2	18.5	36.8	53.6	7.5	31.3	3440	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													YIELD													% QUALITY													MILK YIELD												
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	22.5	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

Company Index

Introduction

Weather

Corn Grain Performance Trials

Zone 1 Grain Early - 107 Day and Earlier

Zone 1 Grain Late - 108 Day and Later

Zone 2 Grain Early - 100 Day and Earlier

Zone 2 Grain Late - 101 Day and Later

Zone 3 Grain Early - 95 Day and Earlier

Zone 3 Grain Late - 96 Day and Later

Zone 4 Grain - 95 Day and Earlier

Zone 5 Grain - 88 Day and Earlier

Corn Grain Agronomics

Glyphosate Resistant - 97 Day and Earlier

Glyphosate Resistant - 98 Day and Later

Corn Grain Hybrid Index

Corn Silage Performance Trials

Corn Silage Agronomics

Corn Silage Hybrid Index

Zone 1 Silage Early - 110 Day and Earlier

Zone 1 Silage Late - 111 Day and Later

Zone 2 - 3 Silage Early - 103 Day and Earlier

Zone 2- 3 Silage Late - 104 Day and Later

Zone 4 Silage - 100 Day and Later

Zone 5 Silage - 92 Day and Later

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