

2007 Michigan Corn Hybrids Compared



Extension Bulletin E-431 December 2007

MICHIGAN STATE
UNIVERSITY
EXTENSION

COMPANY INDEX

BRAND AGRIGOLD	CONTACT AgriGold Hybrids R.R. #1, Box 203 St. Francisville, IL 62460 www.agrigold.com	BRAND GOLDEN HARVEST	CONTACT Golden Harvest Seeds 18356 IL Rt. 9 Pekin, IL 61554 www.goldenharvestseeds.com	BRAND NUTECH	CONTACT Nutech Seed, LLC 40321 130th Avenue Leland, IA 50453 www.yieldleader.com
BAYSIDE	Bayside Seeds, LLC 259 Bowker Road Munger, MI 48747 www.baysideseeds.com	GREAT LAKES	Great Lakes Hybrids 9915 West M-21 Ovid, MI 48866 www.GreatLakesHybrids.com	PIONEER	Pioneer Hi-Bred 210 Westfield Dr. Archbold, OH 43502 www.pioneer.com
BECK	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	GRIES	Gries Seed Farms, Inc. 2348 N. Fifth Street Fremont, OH 43420 www.griesseed.com	RENK	Renk Seed Company 6800 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
BROWN	Nutech Seed, LLC 40321 130th Avenue Leland, IA 50453 www.yieldleader.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
CROPLAN	Croplan Genetics P.O. Box 64231 St. Paul, MN 55164 www.croplangenetics.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
CROW'S	Crow's Hybrid Corn Co. P.O. Box 157 Kentland, IN 47951 www.crowshybrid.com	JUNG	Jung Seed Genetics, Inc. 341 South High Street Randolph, WI 53956 www.jungseedgenetics.com	STEWART	Stewart Seeds 2230 E. 300 N. Greensburg, IN 47240 www.stewartseeds.com
DAIRYLAND STEALTH	Dairyland Seed Co., Inc. P.O. Box 958 West Bend, WI 53095 www.dairylandseed.com	LEGACY	Legacy Brand Hybrids, Inc. 11384 Laberdee Road Deerfield, MI 49238 517-206-3735	TRELAY	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.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 www.midwestseed.com	TRISLER	Trisler Seed Farms, Inc. 3274 East 800 North Road Fairmont, IL 61841 www.trisler.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	WELLMAN	Wellman Seeds, Inc. 23778 Delphos - Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
FIELDERS CHOICE	Fielders Choice Direct 306 N. Main St. Monticello, IN 47960 www.fielderschoicedirect.com	NK BRAND	Syngenta Seeds, Inc. 7500 Olson Memorial Highway Golden Valley, MN 55427 www.nk-us.com	To obtain additional copies of this bulletin please contact the Michigan State University Extension Bulletin Office at the following: MSU BULLETIN OFFICE 117 Central Services Building	
GARST	Garst Seed Company 2369 330th Street Slater, IA 50244 www.garstseed.com				

Front Cover: The night shift at US BioEnergy plant in Woodbury, MI. US BioEnergy plant began production in September of 2006 with an expected output of 50 mmgy of ethanol and 160,000 tons of dried distillers grain annually.

2007

MICHIGAN CORN PERFORMANCE TRIALS

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Introduction

The Michigan State University Department of Crop and Soil Sciences conduct 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 provide a list of all hybrids entered in the 2007 trials (pg. 28 and 33, respectively). Fourteen grain and ten silage locations were planted. A total of 407 hybrids from 29 seed companies (30 brand names) make up the 703 entries which translates to 8,252 separate county plots. 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 "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 22 and 23.

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 the 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 2007

Late April showers slowed down early season plantings in 2007. With only three locations (Huron, Cass and Kent Counties) planted in April. Drier weather conditions suitable for planting arrived in May and all trials were planted by the 15th of May. Locations needing Nitrogen applied had liquid 28% applied between June 6th and June 20th. Silage harvest began August 27th and finished on September 18th. Alpena grain was harvested for High Moisture Corn on September 29th. Huron grain was harvested on October 5th while all other locations were harvested between October 17th and November 5th.

With good soil moisture, the crop got off to a good start during May and June. Cooler temperatures entering early July helped the crop remain stress free although dry weather had continued from mid June. Higher temperatures moving into the region in late July started to hinder the crop as dry weather continued throughout July and August. Drought relief came in late August for most areas of the State and depending on crop stage most areas saw respectable yield results for 2007. Western Michigan did get hit the hardest by the drought as three of our locations (Kent, Grand Traverse and Menominee County) did not have grain yield results suitable for publication. With Irrigation and abundant heat units Mason County saw near record yields, as did Lenawee, Saginaw, and Delta Counties although not irrigated. Those apparently received needed rainfall at critical stages of crop growth.

To show the affects of timely but spotty rainfall look to the example we had in the Southern UP. Our Menominee grain trial (not published) was very poor with yields in the 15 bushel per acre range. Whereas just 40 miles North our Delta county grain trial had near record yields with some in excess of 200 bushels per acre.

Table A (pg. 5) presents 2007 accumulations of temperature, rainfall, and heat units, plus their deviation from 30 year norms. Data is obtained from MSU weather stations located closest to each location. Actual accumulation at each location may vary slightly.

2007

GROWING SEASON WEATHER SUMMARY

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Weatherwise, the 2007 growing season in Michigan will likely be remembered most for some of the worst drought conditions experienced in the state in 20 years. Prior to the growing season, October, 2006 was abnormally cold and wet, followed by record or near record warmth for much of November through early January, winterlike conditions for much of February, and seasonable weather conditions during March. Most significantly, off-season precipitation totals were above normal, leaving much of the state with a full or nearly full soil moisture profile entering the growing season (this would become a critical factor later in the season). As of early April, the Palmer Drought Severity Index categorized all of the Lower Peninsula as 'Unusually' to 'Extremely Moist', with 'Near Normal' values for the Upper Peninsula.

Following a brief period of abnormal warmth during late March which allowed some initial fieldwork, a record-breaking cold air mass moved into the state on the 3rd of April, bringing an unusual late season lake effect snowfall event to all areas of the state. Snowfall totals by Sunday the 8th exceeded 50 inches in some areas of the Upper Peninsula. Sub-freezing temperatures occurred in all areas of the state from the 4th through the 8th, with low temperatures falling into the teens and 20's south to as low as -5 F in sections of the Upper Peninsula. The cold, wet weather generally delayed spring fieldwork and planting until late in the month. A return to warmer and drier than normal weather in early May allowed rapid planting progress and favored early crop establishment.

By the end of May, a jet stream pattern across North America characterized by broad ridging over western sections and weak troughing over the east had developed. This pattern, with weak northwesterly flow aloft across Michigan, led to an extended period of sunny, dry, and warm weather that persisted well into August across most sections of the state. During June, the sunny, warm, and dry weather pattern resulted in average daily potential reference evapotranspiration (the amount of evapotranspiration from a reference well-watered, 4" grass covered surface) rates on the order of 0.20-0.25"/day. Such rates over a more than a one week continuous period are unusual for Michigan (they would be more typical of arid or semi-arid western locations in the western U. S.) and in many cases led to significant soil moisture depletion in the upper layers of the soil profile. While the actual rates of evapotranspiration during this period were generally less than the reference potential rates (due to the gradual drying of the soil profile), soil moisture reserves in the soil profile fell sharply, leaving crops entering the period of the growing season with highest water needs with depleted moisture levels.

Hot and abnormally dry conditions continued through July into early August, stressing crops during critical pollination stages of development. By mid-August, precipitation deficits for the growing season beginning April 1st had grown in many areas to the 3-5"+ inch range, even given the wetter than normal conditions early in the season. The areas of greatest precipitation deficits included areas of southwestern and eastern Lower Michigan as well as the western Upper Peninsula where totals from mid-June through early August were less than 25% of normal. In some areas of the state, July 2007 went into the books as one of the 5 driest on record. Drought conditions by early August were reported across sections of the Upper Midwest in Minnesota, Wisconsin, and Michigan southward through the Ohio Valley into the southeastern U.S. In Michigan, drought conditions were described by the Palmer Drought Severity Index as, 'Severe' or 'Extreme' across many sections of the state. The extended drought conditions resulted in yield reductions to many crops, especially those on coarse-textured soils or where soil compaction was present. A break in the drought began in mid-August. A southward shift of the jet stream led to the persistence of a stationary front across the region. The front served as a focusing mechanism for heavy rainfall across much of the Upper Midwest including the Lower Peninsula of Michigan. Ironically, some locations in the state recorded more than 10 inches of rain over a two week period of late August that resulted in flooding. Overall, rain from this system came just in time to benefit many crops and prevented further reductions in crop yields.

Milder and drier than weather returned to the state during much of September into early October. The warm temperatures led to rapid maturation of crops. The first killing frost/freeze over much of the state was much later than normal (late October), which favored rapid grain drydown rates. The unusually mild, dry September and October undoubtedly saved growers significant money in terms of reduced drying costs.

Over all for the 5-month May-September period, precipitation totals ranged from much below normal levels in most northern and central sections of the state (the third consecutive year in northern sections in which this has occurred) to much above normal levels across southern sections of the Lower Peninsula. Mean temperatures and seasonal growing degree day accumulations were generally above the climatological normals. As is the case in many growing seasons, the overall averages or totals cannot describe the variability of weather conditions that took place during the season, with wide swings from extreme drought to excessive wetness within the course of only a few weeks.

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	LENAWEE	TEMP	60.5	58.3	2.2	68.0	67.8	0.2	68.3	71.7	-3.4	70.7	69.9	0.8	63.1	62.6	0.5	66.1	66.1	0.1
	PPT	1.43	3.04	-1.61	2.29	3.30	-1.01	2.48	3.73	-1.25	9.91	3.20	6.71	2.59	2.62	-0.03	18.70	15.89	2.81	
	GDD	374	353	21	551	542	9	580	658	-78	649	616	33	427	432	-5	2581	2601	-20	
	BRANCH & CASS	TEMP	61.3	59.2	2.1	68.5	68.4	0.1	69.4	71.9	-2.5	71.1	70.1	1.0	63.8	63.3	0.5	66.8	66.6	0.2
	PPT	2.73	3.12	-0.39	2.59	3.95	-1.36	2.40	3.79	-1.39	13.07	3.16	9.91	2.45	3.01	-0.56	23.24	17.03	6.21	
	GDD	387	381	6	564	564	0	610	670	-60	661	628	33	439	454	-15	2661	2697	-36	
	WOOD (Bowling Green, OH)	TEMP	62.5	60.1	2.4	71.4	69.8	1.6	71.5	73.4	-1.9	73.2	70.9	2.3	66.4	64.1	2.3	69.0	67.7	1.3
	PPT	1.89	3.58	-1.69	2.15	3.56	-1.41	2.96	3.57	-0.61	8.64	3.36	5.28	1.44	2.63	-1.19	17.08	16.70	0.38	
	GDD	447	360	87	622	551	71	658	682	-24	703	628	75	517	430	87	2947	2651	296	
	KENT	TEMP	61.3	57.4	3.9	68.1	67.1	1.0	69.1	71.2	-2.1	69.9	69.5	0.4	63.6	61.9	1.7	66.4	65.4	1.0
	PPT	1.68	2.86	-1.18	1.27	3.68	-2.41	1.23	2.95	-1.72	4.14	3.14	1.00	1.04	3.24	-2.20	9.36	15.87	-6.51	
	GDD	384	335	49	554	530	24	597	654	-57	624	610	14	431	412	19	2590	2541	49	
Zone 2	INGHAM	TEMP	60.1	57.5	2.6	68.0	67.0	1.0	69.0	70.7	-1.7	70.6	69.0	1.6	63.7	62.0	1.7	66.3	65.2	1.0
	PPT	3.82	2.73	1.09	3.96	3.54	0.42	0.49	3.02	-2.53	5.52	3.12	2.40	2.10	2.50	-0.40	15.89	14.91	0.98	
	GDD	358	338	20	550	530	20	598	640	-42	647	598	49	440	418	22	2593	2524	69	
	SAGINAW	TEMP	61.1	58.6	2.5	70.7	68.2	2.5	70.1	72.1	-2.0	70.4	70.2	0.2	64.5	62.9	1.6	67.4	66.4	1.0
	PPT	2.22	2.49	-0.27	2.06	3.09	-1.03	2.93	2.83	0.10	6.75	3.29	3.46	2.15	2.76	-0.61	16.11	14.46	1.65	
	GDD	380	367	13	630	555	75	632	670	-38	642	623	19	457	438	19	2741	2653	88	
	HURON	TEMP	58.2	55.2	3.0	68.4	64.9	3.5	67.5	69.3	-1.8	69.1	67.8	1.3	64.1	61.0	3.1	65.5	63.6	1.8
	PPT	2.87	2.58	0.29	1.51	2.88	-1.37	1.25	2.93	-1.68	3.47	3.01	0.46	2.25	2.67	-0.42	11.35	14.07	-2.72	
	GDD	317	298	19	563	479	84	558	602	-44	600	569	31	441	387	54	2479	2335	144	
Zone 3	MONTCALM	TEMP	60.3	57.7	2.6	68.6	67.1	1.5	68.4	71.0	-2.6	69.1	69.3	-0.2	63.0	61.6	1.4	65.9	65.3	0.5
	PPT	1.60	2.88	-1.28	1.58	3.43	-1.85	2.43	2.50	-0.07	2.34	3.84	-1.50	1.17	3.12	-1.95	9.12	15.77	-6.65	
	GDD	363	351	12	567	536	31	578	646	-68	601	603	-2	423	414	9	2532	2550	-18	
	MASON	TEMP	58.2	54.4	3.8	64.6	63.6	1.0	66.5	68.5	-2.0	67.0	67.2	-0.2	62.1	60.2	1.9	63.7	62.8	0.9
	PPT	2.22	2.48	-0.26	3.42	2.93	0.49	3.49	2.18	1.31	2.68	3.79	-1.11	1.09	3.25	-2.16	12.90	14.63	-1.73	
	GDD	314	273	41	459	450	9	522	587	-65	538	552	-14	396	365	31	2229	2227	2	
Zone 4	ALPENA	TEMP	56.4	52.0	4.4	66.3	61.7	4.6	67.1	66.6	0.5	67.4	64.9	2.5	61.2	57.2	4.0	63.7	60.5	3.2
	PPT	1.42	2.78	-1.36	2.50	3.12	-0.62	1.58	3.11	-1.53	2.16	3.23	-1.07	2.10	3.08	-0.98	9.76	15.32	-5.56	
	GDD	292	251	41	504	413	91	544	534	10	555	496	59	379	317	62	2274	2011	263	
	GRAND TRAVERSE	TEMP	58.3	53.5	4.8	67.8	63.7	4.1	69.3	68.8	0.5	70.0	67.3	2.7	64.3	59.3	5.0	65.9	62.5	3.4
	PPT	1.36	2.48	-1.12	1.43	3.15	-1.72	1.68	2.88	-1.20	2.29	2.93	-0.64	2.03	3.60	-1.57	8.79	15.04	-6.25	
	GDD	323	273	50	547	454	93	608	587	21	631	552	79	451	348	103	2560	2214	346	
	MENOMINEE	TEMP	56.1	53.6	2.5	64.9	62.7	2.2	67.1	67.4	-0.3	67.7	65.5	2.2	60.1	57.0	3.1	63.2	61.2	1.9
	PPT	1.15	3.57	-2.42	3.15	3.72	-0.57	1.49	3.63	-2.14	0.01	3.86	-3.85	0.49	3.60	-3.11	6.29	18.38	-12.09	
	GDD	291	285	6	470	438	32	542	559	-17	567	513	54	376	319	57	2246	2114	132	
Zn 5	DELTA	TEMP	53.4	52.6	0.8	63.5	62.3	1.2	66.6	65.7	0.9	66.5	65.2	1.3	59.4	57.7	1.7	61.9	60.7	1.2
	PPT	0.54	2.85	-2.31	3.32	3.06	0.26	3.41	3.57	-0.16	2.31	3.08	-0.77	3.10	3.69	-0.59	12.68	16.25	-3.57	
	GDD	211	263	-52	422	419	3	529	499	30	525	492	33	329	311	18	2016	1984	32	
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 2007 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)																				

2007

GRAIN PERFORMANCE TRIALS

Introduction

Fourteen locations (see map pg. 7) containing 29 grain trials were planted. The grain index (pg.28) contains a list of all hybrids planted in the 2007 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, Grand Traverse, and Menominee (L)

Table 5 Zone 5 - Delta and Menominee (E)

Tables 6E/6L Glyphosate Trial - Huron (Zone 3),

Montcalm (Zone 3), and Saginaw (Zone 2)

Hybrids are reported in alphabetical order in each of the tables. Kent, Huron Glyphosate, Grand Traverse, and Menominee Counties did not have suitable results for publication.

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 II™ (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, Montcalm, and Mason counties were irrigated.

Stand counts were recorded in June. Plots with stand counts higher than the desired population were thinned at this time. Average trial population plus the desired population rates are listed with other important agronomic

information in Table B (pg. 25). 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, Alpena, and Delta) and were analysed 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), oil (Oil) and 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 2007, Hybrids were identified in Lenawee, Cass, and Grand Traverse Counties 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 1.1 to 3.5 moisture points below the later maturing hybrids at harvest in 2007. Economically, Zone 1 with 1.1 difference in average moisture and 8 bushel increase in yield, a slight advantage exists for growing later maturing hybrids. Zone 2 and 3 in comparison with moisture differences of 2.2 to 3.5 percent and yield increases of less than 5 bushel difference, show little advantage for later maturing hybrids.

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.

2007 Grain Trial Locations

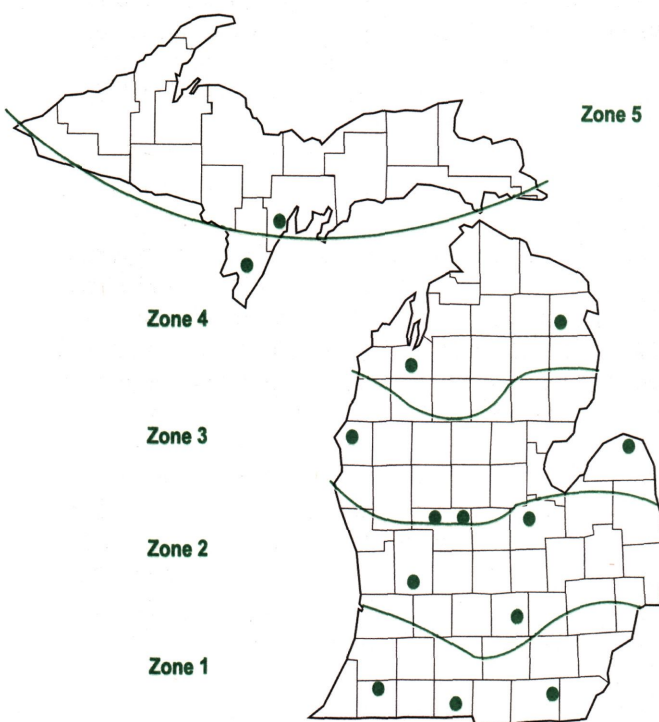


TABLE 1E. BRANCH, CASS & LENAWEE COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier) ZONE 1

2007			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	%H2O	BU/A	Twt	%SL	%Sd
AGRICOLD A6324BRWRR	103	P250	1,2	17.5	218.9	58.9	1.5	93	8.4	4.2	57.9	15.6	222.6*	58.9	2.3	98	18.5	213.5	58.4	0.8	80	18.4	220.4	59.4	1.3	100	18.4	220.4	59.4	1.3	100
	104	P250	1,3	18.5	220.3	57.3	1.8	97	8.3	3.8	59.2	16.2	210.7	58.1	2.3	99	19.2	227.4*	56.5	2.1	93	20.3	222.8	57.3	1.0	99	20.3	222.8	57.3	1.0	99
	107	P250	1,2,3	19.6	221.2	55.4	1.6	95	7.8	4.5	57.6	17.1	215.3	56.0	1.3	98	20.9	223.2*	54.6	1.5	88	20.9	225.3	55.6	2.0	100	20.9	225.3	55.6	2.0	100
	106	P250	1,2,3	19.8	238.1**	58.8	3.1	98	8.4	3.6	59.5	16.9	234.5*	59.8	4.6	100	19.6	251.8**	58.9	1.1	94	22.7	228.1	57.6	3.6	100	22.7	228.1	57.6	3.6	100
	105	C250	1,2,3	19.1	222.2	59.1	1.3	94	7.4	4.1	59.9	16.6	212.2	58.8	2.0	100	20.1	225.3*	58.8	0.4	83	20.7	229.1	59.5	1.7	99	20.7	229.1	59.5	1.7	99
	107	C250	1,2,3	18.9	222.4	57.3	1.7	92	7.2	3.7	60.3	16.7	224.4*	57.3	2.7	99	20.1	212.3	56.3	0.8	81	20.0	230.7*	58.1	1.7	97	20.0	230.7*	58.1	1.7	97
	107	C250	1,2	19.9	225.8	57.4	1.6	92	7.7	4.0	59.2	17.7	229.5*	58.4	2.3	100	20.6	205.5	56.3	1.7	77	21.5	242.3*	57.5	1.0	100	21.5	242.3*	57.5	1.0	100
	105	P250	1,2,3	18.5	221.0	57.4	2.1	94	8.1	4.0	59.2	16.3	220.2	58.3	3.4	98	19.1	217.0	56.5	2.0	84	20.1	226.0	57.3	1.0	100	20.1	226.0	57.3	1.0	100
	107	P250	2	17.3	202.1	54.6	4.2	96	7.9	3.6	59.8	14.2	199.7	53.4	5.5	99	18.6	210.6	55.1	2.8	88	19.2	196.0	55.5	4.3	100	19.2	196.0	55.5	4.3	100
	104	P250	2	17.5	211.3	58.5	1.8	90	7.8	4.0	59.0	14.6	202.8	57.1	3.2	90	19.5	213.5	58.1	1.7	81	18.5	217.7	60.1	0.7	100	18.5	217.7	60.1	0.7	100
DAIRYLAND STEALTH-6006	106	P250	1	18.9	220.3	57.1	1.9	93	7.9	3.8	59.1	16.5	216.5	57.9	1.7	98	20.5	218.9	55.3	1.7	82	19.7	225.6	58.0	2.4	98	19.7	225.6	58.0	2.4	98
	106	P250	1,2	19.5	205.7	58.9	0.3	89	8.4	3.9	58.9	17.6	216.8	60.1	0.0	95	21.0	191.6	57.0	0.9	75	20.0	208.7	59.6	0.0	97	20.0	208.7	59.6	0.0	97
	105	P250	1,2,3	19.0	202.3	58.3	2.0	95	8.1	3.7	59.6	16.1	188.2	58.4	3.3	100	20.5	217.2	57.2	2.7	87	20.6	201.5	59.4	0.0	100	20.6	201.5	59.4	0.0	100
	102	P250	1,2,3	17.7	199.1	56.8	1.1	92	8.4	4.3	57.8	15.9	180.2	55.6	2.0	100	19.3	199.1	56.3	0.8	78	17.9	218.0	58.5	0.7	99	17.9	218.0	58.5	0.7	99
	102	P250	1,2	18.0	217.6	57.0	1.4	91	8.2	3.7	59.0	16.0	209.1	56.6	1.7	98	19.4	215.2	56.5	0.9	78	18.6	228.4	58.0	1.7	97	18.6	228.4	58.0	1.7	97
	104	P250	1,2,3	17.7	204.8	59.4	1.2	96	8.3	4.0	58.3	15.9	200.5	59.7	0.7	100	19.0	210.1	58.6	1.5	87	18.3	203.9	59.8	1.3	100	18.3	203.9	59.8	1.3	100
	107	P250	1,2,3	18.8	232.4*	59.3	0.8	96	8.0	4.3	58.9	16.8	224.8*	59.9	1.0	100	19.4	228.2*	59.1	0.7	88	20.2	244.1**	58.9	0.7	100	20.2	244.1**	58.9	0.7	100
	105	P250	1,2,3	18.9	212.5	59.1	0.9	94	8.5	3.6	58.7	17.4	215.5	59.6	1.0	100	19.8	210.4	57.9	0.8	81	19.6	211.8	59.8	1.0	100	19.6	211.8	59.8	1.0	100
	107	P250	1,2,3	19.6	216.0	58.7	1.6	92	7.3	3.8	60.3	16.7	215.3	58.7	2.0	100	21.7	209.1	57.9	0.9	79	20.4	223.6	59.5	2.0	98	20.4	223.6	59.5	2.0	98
	106	C250	2,4	19.2	222.0	54.9	0.6	92	6.9	4.0	59.9	17.0	218.4	55.1	0.0	95	20.1	218.7	54.3	0.9	82	20.5	228.8	55.4	1.0	100	20.5	228.8	55.4	1.0	100
GARST 8693CB/LL	105	C250	2,4	18.3	222.0	56.3	2.9	96	7.4	3.7	60.5	15.3	203.7	55.6	4.6	100	19.3	230.7*	55.6	1.9	87	20.3	231.7*	57.7	2.3	100	20.3	231.7*	57.7	2.3	100
	103	P250	1,2,3	19.3	198.7	58.1	1.2	90	8.1	3.3	59.8	16.4	186.0	58.5	1.7	97	20.4	200.1	56.9	0.9	75	20.9	210.1	58.9	1.1	96	20.9	210.1	58.9	1.1	96
	97	P250	1,2,3	19.2	205.6	57.4	1.4	95	8.2	3.5	59.6	15.9	193.3	57.5	1.7	99	21.0	217.8	56.3	2.2	87	20.8	205.8	58.4	0.3	99	20.8	205.8	58.4	0.3	99
	105	P250	2	19.3	225.1	56.9	1.9	93	7.6	3.7	60.4	15.5	224.8*	57.2	0.7	98	20.7	215.6	56.6	2.1	82	21.5	234.9*	56.8	3.0	98	21.5	234.9*	56.8	3.0	98
	107	P250		19.1	212.5	56.3	2.9	93	7.6	3.6	60.1	16.3	205.7	56.5	4.3	100	19.7	210.3	56.6	3.3	80	21.2	221.6	55.7	1.0	100	21.2	221.6	55.7	1.0	100
	106	P250	2	18.3	206.5	55.6	1.2	83	7.2	4.1	59.5	16.3	210.1	56.3	1.1	92	19.2	194.6	54.8	2.2	66	19.5	214.9	55.7	0.4	92	19.5	214.9	55.7	0.4	92
	105	C250	1,2,3	18.9	220.1	59.0	1.5	96	7.3	4.0	60.2	16.7	209.3	58.3	2.0	100	19.7	229.1*	59.3	1.5	89	20.4	221.8	59.3	1.0	100	20.4	221.8	59.3	1.0	100
	107	C250	1,2,3	18.7	221.7	57.5	1.7	93	7.7	3.5	59.8	16.5	209.7	57.2	1.4	96	19.8	228.1*	57.5	1.6	83	19.8	227.3	58.0	2.0	100	19.8	227.3	58.0	2.0	100
	107	C250	1,2	19.9	228.7	55.3	2.1	95	8.0	4.0	58.6	17.5	230.2*	51.1	3.0	100	20.6	223.5*	57.3	1.6	84	21.4	232.5*	57.7	1.6	100	21.4	232.5*	57.7	1.6	100
	106	C250	1,2,3	18.1	202.8	58.8	0.7	94	8.4	3.7	59.8	15.9	196.5	58.9	0.7	98	19.3	205.6	58.0	0.0	83	19.2	206.4	59.6	1.3	100	19.3	206.4	59.6	1.3	100
NK Brand N48-R3	103	C250	2,4	16.9	214.6	55.7	0.8	94	7.4	4.2	58.7	14.3	208.2	55.3	1.6	100	18.2	220.8*	55.6	0.8	85	18.1	214.9	56.2	0.0	96	18.1	214.9	56.2	0.0	96
	104	C250	2,4	17.5	202.1	59.2	1.3	92	8.4	4.0	58.7	14.2	196.9	57.8	1.3	100	19.0	195.9	59.0	2.2	77	19.2	213.6	60.8	0.3	100	19.2	213.6	60.8	0.3	100
	107	C250	2,3	19.0	197.4	54.7	1.1	89	6.8	3.7	60.0	15.1	185.5	55.0	1.7	96	20.8	196.1	53.6	1.7	75	21.0	210.5	55.4	0.0	96	21.0	210.5	55.4	0.0	96
	107	C250	2,3	19.4	221.7	54.9	1.0	94	6.8	4.0	60.2	16.8	229.0*	55.5	0.7	100	20.9	212.3	54.1	1.2	81	20.6	223.7	55.0	1.0	99	20.6	223.7	55.0	1.0	99
	104	C250	2,4	18.5	206.1	57.0	4.8	88	7.1	3.6	60.7	15.5	201.1	56.8	9.8	98	20.2	201.0	56.5	1.4	72	19.8	216.3	57.6	3.1	95	19.8	216.3	57.6	3.1	95
	105	P250	2	19.6	209.3	57.6	2.8	94	7.5	3.3	60.6	16.7	204.3	58.5	2.3	98	22.2	211.5	55.5	2.8	83	20.0	212.2	58.9	3.3	100	20.0	212.2	58.9	3.3	100
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2007

2007			EARLY - TRIAL AVERAGE				%QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY									
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 XR8056VT3	107	C1250	1,2	18.7	220.8	55.6	1.2	93	7.8	4.4	58.8	15.5	215.7	55.8	1.3	99	20.8	221.0*	54.7	0.5	79	19.8	225.7	56.2	2.0	100	
	104	C250		17.8	194.2	56.6	1.2	94	7.3	3.4	60.8	15.3	188.0	56.6	0.7	99	19.4	194.4	56.0	1.6	85	18.6	200.2	57.3	1.3	100	
	103	C250	2	17.7	211.9	58.5	1.6	93	7.8	3.8	59.0	14.5	195.9	57.7	2.0	100	19.4	225.7*	57.7	0.8	82	19.1	214.1	60.0	2.0	97	
	103	C250	1,2,3	19.1	207.3	59.1	2.0	92	8.3	3.5	58.5	17.3	212.2	59.9	4.7	98	20.3	193.4	58.0	0.0	78	19.9	216.2	59.4	1.3	99	
STEWART SEEDS 6K672	107	P250	1,2,3	19.2	228.5	57.2	1.6	96	7.8	3.8	59.6	16.9	215.9	58.8	1.0	100	19.8	238.1*	57.1	1.5	90	20.8	231.6*	57.7	2.4	99	
	107	P250	1,2,3	19.7	220.9	58.7	1.4	93	7.5	3.9	59.7	16.6	215.8	59.1	1.6	100	21.7	216.8	58.1	0.3	81	20.9	230.2*	59.0	2.3	100	
STEWART SEEDS 6T546	107	P250	1,2,3	19.3	215.3	58.8	0.9	92	7.9	4.2	59.0	17.4	227.1*	59.3	0.7	100	20.1	190.9	57.7	1.8	76	20.5	228.0	59.4	0.3	100	
	107	P250	1,2	18.7	216.7	56.9	0.7	93	7.6	3.6	59.1	16.4	202.5	56.4	0.3	100	19.8	208.2	56.7	0.4	79	19.9	239.6*	57.6	1.3	100	
TRISLER T-1561RRCB	97	P250	1,2	17.6	199.1	55.0	2.5	93	8.1	4.3	58.3	15.3	176.3	54.4	4.5	98	19.4	208.3	54.3	1.7	83	18.1	212.6	56.3	1.4	97	
	100	P250	1,2,3	17.5	175.9	58.8	3.0	87	7.8	4.1	58.9	15.6	165.9	58.6	5.1	98	18.6	157.0	58.7	2.4	66	18.4	205.0	59.3	1.4	97	
TRISLER T-2562RRCB	100	P250	1,2	18.3	200.1	59.8	1.4	90	7.7	4.0	59.8	16.5	218.1	60.1	2.0	99	19.1	184.7	59.2	0.5	71	19.3	197.4	60.1	1.7	99	
	107	P250	1,2	18.8	224.9	56.9	2.5	95	7.4	3.4	59.5	16.5	216.3	57.0	3.6	100	19.6	224.3*	56.5	1.9	85	20.2	234.3*	57.1	2.0	100	
WELLMAN W2602CB	102		2	18.0	209.0	58.2	1.7	93	8.0	3.7	59.4	16.2	196.3	57.4	2.6	99	19.1	209.0	58.0	1.6	79	18.7	221.7	59.2	1.0	100	
	AVERAGE				18.7	214.4	57.5	1.6	94	7.8	3.9	59.4	16.3	209.0	57.6	2.1	99	19.9	213.7	56.9	1.4	83	19.9	220.5	58.1	1.5	99
HIGHEST					20.3	238.1	60.5	4.8	100	8.5	4.7	60.8	17.8	237.0	61.5	9.8	100	22.2	251.8	59.8	3.3	99	22.7	244.1	60.8	4.3	100
LOWEST					16.9	175.9	54.6	0.3	83	6.8	3.3	56.6	14.2	165.9	51.1	0.0	90	18.2	157.0	53.6	0.0	66	17.9	196.0	55.0	0.0	92
CV (%)					3.8	5.3	2.1	113	4.4	4.5	8.1	1.3	3.5	5.4	3.2	99	3.0	4.7	5.4	1.4	132	7.0	2.6	4.8	0.8	114	2.0
LSD (5%)					0.6	9.0	1.0	1.5	3.3	0.4	0.4	0.9	0.8	15.8	2.6	2.9	4.0	1.3	32.1	1.1	5.0	8.0	0.7	14.7	0.7	4.6	2.8

2 Year Averages 2007 - 2006

2 Year Averages 2007 - 2006																										
BRAND / HYBRID				EARLY - TRIAL AVERAGE				%QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY							
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
104	P250	1,3		19.6	217.8	55.8	1.9	94	8.2	3.7	59.5	18.9	213.7	55.1	2.1	94	20.2	213.4	55.6	2.4	89	19.6	226.2 *	56.6	1.2	99
107	P250	2		19.1	210.1	54.3	2.5	96	8.4	3.5	59.6	18.2	212.4	52.9	3.4	97	20.1	209.4	54.7	1.7	92	19.0	208.6	55.3	2.3	100
104	P250	2		18.7	219.2	57.4	1.3	94	7.9	4.0	59.6	17.4	219.3	56.0	1.8	95	20.3	218.6	57.2	1.5	87	18.4	219.8	58.9	0.7	100
106	P250	1		20.0	225.5 *	55.5	2.4	95	8.0	3.8	59.1	19.3	223.9 *	55.0	2.3	99	21.3	223.1	54.5	2.5	87	19.5	229.5 *	56.9	2.2	99
102	P250	1,2,3		18.3	206.9	56.1	1.0	93	8.1	4.1	59.1	17.5	200.3	55.0	1.5	95	19.7	203.6	55.8	0.9	84	17.8	216.9	57.5	0.5	99
104	P250	1,2,3		18.7	206.6	57.5	0.9	95	8.4	4.1	58.5	18.0	211.4	56.9	0.5	97	20.0	205.8	57.0	1.1	90	18.0	202.6	58.5	1.2	97
107	P250	1,2,3		20.0	227.7 *	57.6	1.1	96	8.3	4.2	58.8	19.7	231.8 **	57.0	0.7	98	20.8	218.7	57.4	2.0	90	19.5	232.7 *	58.4	0.7	100
105	C250	2,4		19.7	221.5	54.9	2.0	92	7.1	3.5	61.2	18.3	224.4 *	54.0	2.8	96	21.0	210.7	54.6	1.6	80	19.8	229.4 *	56.1	1.7	100
107	P250			20.6	216.8	54.4	2.3	93	7.5	3.5	60.4	19.5	221.4 *	54.0	3.3	98	21.3	205.6	54.9	2.8	81	21.0	223.6	54.4	0.8	100
103	C250	2,4		18.0	214.4	54.5	1.6	93	8.0	4.3	58.5	17.2	216.2	53.5	1.3	97	18.8	204.3	54.8	2.8	84	18.1	222.7	55.3	0.7	98
103	P250	1,2,4,11,13		20.3	231.1 **	56.2	1.5	98	7.9	3.7	59.1	19.9	227.2 *	55.5	1.0	97	21.2	235.1 **	56.3	2.2	96	19.7	231.2 *	56.9	1.4	100
103	C250	2		18.7	214.6	57.3	1.4	93	7.9	3.8	59.4	17.0	209.7	56.4	1.2	97	20.3	214.0	56.8	1.6	83	18.7	220.1	58.6	1.5	99
107	P250	1,2		19.8	224.5 *	55.6	0.7	94	7.5	3.6	59.8	18.9	223.3 *	55.0	0.3	100	21.2	214.0	55.5	1.0	84	19.3	236.2 **	56.2	0.8	100
AVERAGE				19.3	218.2	55.9	1.6	94	7.9	3.8	59.4	18.4	218.1	55.1	1.7	97	20.5	213.6	55.8	1.8	87	19.1	223.0	56.9	1.2	99
HIGHEST				20.6	231.1	57.6	2.5	98	8.4	4.3	61.2	19.9	231.8	57.0	3.4	100	21.3	235.1	57.4	2.8	96	21.0	236.2	58.9	2.3	100
LOWEST				18.0	206.6	54.3	0.7	92	7.1	3.5	58.5	17.0	200.3	52.9	0.3	94	18.8	203.6	54.5	0.9	80	17.8	202.6	54.4	0.5	97
CV (%)				3.5	5.5	1.5	118	4.8	4.7	7.6	1.3	3.7	5.4	2.4	95	4.0	4.3	5.6	1.4	128	7.1	2.3	4.9	1.0	135	2.3
LSD (5%)				0.5	9.4	0.7	1.5	3.6	0.3	0.2	0.7	0.6	11.4	1.4	1.8	3.9	0.8	11.7	0.8	1.9	5.8	0.5	10.7	0.6	1.8	2.2

3 Year Averages 2007 - 2005

3 Year Averages 2007 - 2005																											
BRAND / HYBRID		RM	TRT	TRAIT	EARLY - TRIAL AVERAGE				%QUALITY			BRANCH - EARLY				CASS - EARLY				LENAWEE - EARLY							
					%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
	DAIRYLAND STEALTH-5007	107	P250	2	19.2	213.5 *	54.5	1.8	97	8.2	3.6	59.4	18.2	218.9 *	53.5	2.3	98	20.5	213.5 *	54.7	1.3	94	18.8	208.0	55.3	2.0	100
	DAIRYLAND STEALTH-5204	104	P250	2	18.5	220.0 **	57.7	1.1	95	7.6	4.0	59.7	17.1	220.0 **	56.7	1.5	96	20.3	222.8 **	57.2	1.1	91	18.1	217.0 **	59.1	0.6	98
	AVERAGE				18.8	216.7	56.1	1.4	96	7.9	3.8	59.5	17.7	219.5	55.1	1.9	97	20.4	218.2	55.9	1.2	93	18.4	212.5	57.2	1.3	99
	CV (%)				3.5	5.0	1.5	107	4.2	4.6	7.3	1.3	3.5	5.0	2.0	95	4.1	4.1	5.5	1.4	118	6.3	2.6	4.7	1.2	124	2.2
	LSD (5%)				0.4	6.5	0.5	1.0	2.4	0.2	0.2	0.5	0.5	8.6	0.9	1.5	3.3	0.7	9.5	0.6	1.4	4.3	0.4	8.3	0.6	1.4	1.8

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 1L. BRANCH, CASS & LENAWE COUNTY GRAIN TRIALS - LATE (108 Day and Later) ZONE 1

2007			LATE - TRIAL AVERAGE						%QUALITY			BRANCH - LATE				CASS - LATE				LENAWEE - 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
AGRIGOLD A6459VT3	110	P250	1,2,3	19.6	233.4	55.1	2.0	99	7.4	4.4	58.3	16.8	229.6	55.5	2.6	100	20.8	236.4 *	55.0	1.4	97	21.4	234.2	54.9	2.0	99
AGRIGOLD A6464VT3	111	P250	1,2,3	19.1	215.6	56.8	2.8	95	7.9	3.6	59.4	16.6	212.7	57.5	4.0	100	20.2	214.0	56.2	1.1	85	20.6	220.2	56.6	3.3	99
AGRIGOLD A6479BWR	112	P250	1,2,3	19.9	224.2	59.1	2.1	96	7.9	4.3	59.3	18.1	228.5	60.0	2.3	99	20.3	217.4	59.2	1.4	89	21.2	226.8	58.0	2.6	100
BECK 5222Hx1	108	P250	2,4	20.6	225.5	58.8	3.0	97	7.9	3.5	60.6	18.4	230.3	59.4	4.0	100	21.0	225.7 *	59.0	2.1	92	22.4	220.7	58.0	2.9	100
BECK 5333	109	P250		19.8	218.1	59.8	1.9	91	7.5	3.3	60.3	18.0	220.2	60.2	1.6	100	20.4	201.0	59.8	1.3	77	20.8	233.1	59.5	2.7	97
BECK 5444VT3	110	P250	1,2,3	20.2	234.2	56.5	1.4	97	8.6	4.1	58.5	18.4	239.0 *	57.3	0.3	100	19.4	229.3 *	57.4	0.6	93	22.7	234.4	54.9	3.3	99
CROPLAN 591TS	110	C250	1,2,3	19.8	221.9	61.5	1.0	95	8.4	4.8	58.1	18.2	230.0	62.6	2.3	100	20.0	215.1	61.4	0.2	85	21.1	220.6	60.7	0.7	100
CROWS 4686VTRR2	109	C250	1,3	19.3	235.9 *	55.6	1.9	96	7.8	4.0	59.0	17.7	234.5 *	56.5	2.6	100	20.0	228.8 *	55.3	1.7	87	20.4	244.3 *	54.8	1.3	100
CROWS 4846T	110	C250	1,2,3	20.3	231.7	58.0	1.5	98	8.2	3.8	59.8	18.5	235.9 *	58.9	1.7	99	20.4	228.2 *	58.5	1.8	94	22.0	231.1	56.6	1.0	100
CROWS 4984T	112	C250	1,2,3	21.2	218.6	57.6	1.3	96	8.0	4.2	60.2	20.0	226.3	59.4	2.0	97	21.3	204.0	57.3	1.3	91	22.3	225.5	56.1	0.7	100
DAIRYLAND STEALTH-1712	112	P250		22.0	206.6	55.8	1.4	90	7.5	4.2	59.5	20.3	212.2	56.9	2.4	95	22.1	189.3	55.8	1.2	76	23.7	218.3	54.8	0.7	100
DAIRYLAND STEALTH-4009	111	P250	1,3	19.7	227.4	57.1	0.9	98	9.0	4.2	58.3	17.4	233.4 *	58.0	1.3	100	19.3	229.6 *	57.9	1.3	94	22.3	219.2	55.4	0.0	100
DAIRYLAND STEALTH-8208	108	P250	2,3	18.8	216.8	57.0	0.9	97	8.0	3.7	60.6	16.8	206.4	57.6	2.0	100	19.2	216.8	56.9	0.5	93	20.2	227.2	56.4	0.3	98
DEKALB DKC61-22 (RR2)	111	P250	1	19.6	244.2 **	57.9	1.4	100	7.8	4.0	59.8	18.1	246.1 **	58.8	1.3	100	19.7	236.6 *	58.7	0.2	99	21.1	250.0 **	56.3	2.6	100
DEKALB DKC61-66 (RR2)(GPL)	111	P250	1,2,3	20.0	230.4	57.7	1.7	90	8.9	4.2	57.9	18.4	243.1 *	59.0	1.4	96	20.1	216.4	57.8	1.8	76	21.5	231.9	56.2	2.0	97
DEKALB RX674RR2	109	P250	1	19.7	222.5	57.9	2.7	91	8.0	3.9	58.9	17.7	222.6	58.6	2.6	100	20.2	221.6	57.8	1.3	90	21.0	223.4	57.2	4.2	83
DEKALB RX715VT3	111	P250	1,2	20.5	233.8	57.2	1.4	97	8.0	4.2	59.4	18.5	238.1 *	58.5	1.6	100	20.6	227.7 *	57.5	1.5	91	22.6	235.6 *	55.7	1.0	100
DYNAGRO 56815	109	P250	1,2,3	19.4	220.3	59.3	0.8	93	8.0	4.4	57.9	18.0	237.4 *	60.4	1.0	99	20.3	206.2	57.9	1.3	81	19.8	217.3	59.6	0.0	100
FIELDERS CHOICE NG6719	108	P250	1,2	18.2	210.8	57.0	2.2	92	7.5	3.9	59.3	15.6	212.7	56.5	2.3	99	19.3	200.9	57.2	2.2	80	19.6	218.7	57.4	2.1	97
FIELDERS CHOICE NG6745	110	P250	1,2,3	19.3	222.9	58.1	1.8	96	7.8	4.1	58.6	16.9	209.0	58.7	1.6	100	19.7	222.7	57.6	2.4	87	21.4	236.9 *	58.1	1.3	100
FIELDERS CHOICE NG6780	111	P250	1,2	21.1	229.5	57.2	1.3	95	8.4	4.3	59.0	19.7	234.9 *	58.3	1.0	98	20.9	208.6	57.3	1.5	86	22.6	245.2 *	56.2	1.3	100
GARST 8452CB/LL	112	C250	2,4	21.1	225.7	54.5	1.2	94	7.2	4.1	59.4	18.7	225.9	56.3	2.0	100	21.0	209.3	52.8	1.1	82	23.7	241.9 *	54.5	0.7	100
GREAT LAKES 5961G3	110	P250	1,2,3	19.2	215.1	57.9	1.0	97	7.3	3.8	59.3	17.3	207.0	57.9	1.6	100	19.8	208.4	57.6	0.7	92	20.4	229.9	58.2	0.7	100
GREAT LAKES 6162G3	111	P250	1,2,3	19.8	221.7	59.2	1.5	96	8.0	4.5	59.3	18.1	214.1	60.0	1.6	100	20.2	220.5	59.6	0.5	89	21.2	230.3	57.9	2.3	100
GRIES YP8610R	110	P250	1,2,3	19.1	225.9	58.1	1.1	93	8.2	4.3	58.3	16.9	219.7	58.3	1.7	96	19.4	231.8 *	58.2	1.0	88	21.2	226.2	57.8	0.7	96
LEGACY 44P89	109	P250		19.6	225.3	59.9	1.6	96	7.3	3.4	60.6	17.8	206.7	60.3	1.6	98	20.1	233.2 *	60.1	0.8	90	21.0	236.2 *	59.3	2.3	100
MIDWEST 7686AVTRR2	109	C250	1,3	19.4	231.4	55.4	2.3	96	7.6	3.8	59.5	17.6	231.3	56.6	3.3	100	20.1	224.7 *	55.0	1.1	88	20.5	238.2 *	54.7	2.6	100
MIDWEST 77125T	110	C250	1,2,3	20.6	232.9	57.6	1.9	99	8.4	3.9	59.0	19.0	231.1	58.7	1.6	100	20.2	234.7 *	58.1	2.0	97	22.6	233.1	56.0	2.0	100
MIDWEST 78134T	112	C250	1,2,3	21.3	214.8	58.1	1.1	94	7.8	4.1	59.5	20.0	234.8 *	59.4	1.3	100	21.4	198.8	58.7	1.4	85	22.7	210.8	56.1	0.7	98
MYCOGEN 2D675	109	C250	1,2,4	19.4	212.3	55.6	1.5	98	8.4	4.2	59.2	16.2	193.4	56.0	3.3	100	20.6	223.6 *	55.1	0.8	94	21.4	220.1	55.6	0.3	100
NK Brand N64-Z5	108	C250	2,4	19.0	227.2	57.3	1.6	96	7.0	3.5	60.9	17.2	221.0	57.4	3.1	97	19.3	233.8 *	57.3	0.8	92	20.4	226.9	57.1	1.0	97
NK Brand N68-B8	110	C250	2,4	19.8	224.5	56.7	1.0	95	7.6	4.2	59.2	18.2	226.5	56.7	1.6	100	20.4	218.8	56.2	0.5	86	20.7	228.2	57.2	1.0	100
NuTech 0C-111 YGCB	111	C250	2	19.4	221.2	55.6	3.0	92	7.2	3.8	60.2	16.6	217.7	56.9	3.3	100	20.9	219.9	54.4	1.0	79	20.9	225.9	55.6	4.8	97
NuTech 0C-413 YGCB	113	P250	2	21.1	216.4	56.2	2.2	93	8.2	4.4	58.4	19.2	221.4	57.1	1.3	100	21.4	212.0	56.5	2.6	80	22.7	215.9	54.9	2.7	98
NuTech 0M-909 RW	112	P250	1,2	19.3	216.4	56.4	3.6	96	7.3	3.8	59.9	16.8	206.3	57.1	7.2	100	19.6	210.1	57.0	1.9	87	21.7	232.9	55.2	1.6	100
NuTech 1B-411 CB/LL	111	C250	2,4	20.3	226.0	57.5	1.3	94	7.4	4.0	59.8	18.7	229.4	58.6	1.6	100	20.5	225.3 *	56.7	1.4	83	21.7	223.3	57.3	1.0	100
NuTech 1B-909 CB/LL	109	C250	2,4	19.4	213.8	55.9	4.4	94	6.8	3.8	60.3	16.9	207.5	56.6	9.2	100	19.6	205.6	56.3	1.9	84	21.8	228.5	54.9	2.0	99
NuTech 1N-411 CB/LL/RW	111	C250	2,3,4	20.6	214.0	57.6	1.3	91	7.2	4.0	59.8	18.8	217.0	58.4	2.7	98	20.9	208.1	58.1	1.2	78	22.1	216.9	56.4	0.0	97
NuTech 1X-511 HXT	111	C250	2,3,4	20.1	224.1	56.9	2.5	95	7.8	4.3	58.8	17.4	222.6	57.9	2.3	100	20.7	222.2	56.6	1.9	85	22.1	227.5	56.2	3.3	100
NuTech 3C-409 RRYGCB	109	P250	1,2	20.7	213.5	57.4	0.9	89	7.7	4.6	59.7	18.8	225.6	58.9	0.7	94	20.8	198.8	57.6	1.1	77	22.3	216.2	55.7	0.7	97
NuTech 3P-911 RRYGPL	111	P250	1,2,3	20.9	221.1	58.2	1.0	95	8.0	4.5	59.4	19.1	221.9	59.6	0.7	100	20.9	211.0	58.1	1.0	86					

2007

2007			LATE - TRIAL AVERAGE				%QUALITY		BRANCH - LATE				CASS - LATE				LENAWEE - LATE									
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
RENNK RK888RRYGPL	113	P250	1,2,3	19.3	213.1	56.3	3.0	96	7.8	4.0	59.1	16.4	199.0	56.7	4.3	99	20.7	216.4	55.7	2.0	90	20.7	224.1	56.4	2.6	100
RUPP XR8045	108	C1250	1,2,3	19.7	216.3	58.3	1.4	97	8.2	4.1	58.5	17.4	203.4	58.9	1.3	100	20.3	225.0	58.2	1.0	91	21.6	220.6	57.9	2.0	100
RUPP XR8285	110	C1250	2,4	19.1	212.1	56.3	1.9	92	7.2	4.0	60.0	16.4	213.7	56.8	3.7	99	19.4	192.7	56.9	1.8	77	21.5	229.8	56.2	0.3	100
RUPP XR8715	110	C1250	1,2,3	20.2	232.6	56.5	1.6	97	8.6	4.1	58.6	17.7	241.2	57.6	1.0	100	20.6	225.9	56.7	1.7	91	22.3	230.6	55.2	2.0	99
SEED CONSULTANTS SC1085	108	C250		19.0	219.4	57.1	3.7	95	8.0	4.3	58.3	16.1	213.1	57.4	3.9	100	19.5	220.4	57.5	3.2	87	21.4	224.7	56.4	4.0	97
SEED CONSULTANTS SC10BL96	109	C250	2,4	19.1	221.3	56.0	2.4	96	7.2	3.6	59.9	16.8	211.4	56.9	4.3	100	19.6	224.4	55.4	1.7	89	21.1	228.0	55.8	1.3	100
SEED CONSULTANTS SC10MT87	108	C250	1,2,3	20.2	232.8	56.8	1.1	95	8.7	4.1	58.9	18.1	242.3	57.9	1.7	100	19.6	224.7	57.5	0.8	85	22.9	231.4	55.0	1.0	100
SEED CONSULTANTS SC10MT97	109	C250	1,2,3	19.3	223.8	56.9	2.8	94	7.9	4.8	57.9	16.9	215.4	57.0	4.9	100	19.4	221.0	57.5	2.6	83	21.5	234.9	56.3	1.0	99
SEED CONSULTANTS SC1107	110	C250	1,2,3	19.5	208.5	55.6	1.6	90	6.7	4.0	59.6	16.7	206.1	56.1	2.4	96	20.3	184.9	55.3	1.0	80	21.6	234.5	55.3	1.4	95
STEWART SEEDS 7K285	109	P250	1,2,3	19.3	222.9	59.6	2.6	93	7.9	4.1	59.5	17.5	226.2	60.5	3.3	100	20.1	209.8	59.0	2.8	82	20.4	232.6	59.4	1.7	99
STEWART SEEDS 7K456	110	P250	1,2,3	20.5	229.7	57.4	1.5	97	8.0	4.0	59.3	18.5	225.2	58.5	2.0	100	20.4	225.9	57.8	0.9	90	22.7	238.1	56.0	1.6	100
TRISLER T-6N51PLRR	110	P250	1,2,3	20.8	229.8	57.6	1.4	94	8.3	4.1	59.5	18.8	236.1	58.7	1.3	100	21.0	222.4	57.8	0.9	84	22.5	231.0	56.2	2.0	98
TRISLER T-7A01RR	111	P250	1	20.7	232.5	57.4	0.8	96	7.8	4.3	59.4	20.6	231.4	58.4	1.1	96	20.3	240.5	57.9	0.8	97	21.1	225.6	56.0	0.4	96
AVERAGE				19.8	222.6	57.3	1.8	95	7.9	4.1	59.2	17.8	222.1	58.1	2.4	99	20.2	217.2	57.3	1.3	87	21.6	228.4	56.6	1.6	99
HIGHEST				22.0	244.2	61.5	4.4	100	9.0	4.8	60.9	20.6	246.1	62.6	9.2	100	22.1	240.5	61.4	3.3	99	23.7	250.0	60.7	5.3	100
LOWEST				17.3	200.9	54.5	0.4	88	6.7	3.3	57.9	14.4	189.3	55.5	0.3	94	18.7	174.8	52.8	0.0	70	18.8	204.6	54.5	0.0	83
CV (%)				2.9	5.0	1.3	94	5.4	3.9	6.9	1.1	3.0	4.4	0.7	85	2.0	3.2	5.7	1.7	114	8.0	2.4	4.7	1.2	84	4.8
LSD (5%)				0.5	8.9	0.6	1.3	4.1	0.4	0.3	0.8	0.8	13.6	0.6	2.8	3.0	0.9	17.3	2.8	2.1	10.0	0.7	15.1	0.9	3.8	6.6

2 Year Averages 2007 - 2006

2 Year Averages 2007 - 2006				LATE - TRIAL AVERAGE										%QUALITY			BRANCH - LATE				CASS - LATE				LENAWEE - LATE							
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-4009 DEKALB RX674RR2 GARST 8452CB/LL RUPP XR8045 SEED CONSULTANTS SC10BL96 SEED CONSULTANTS SC10MT87				111	P250	1,3	21.1	228.6	**	55.5	1.4	94	9.0	4.1	58.6	20.3	237.3	* 55.4	2.0	97	21.4	226.0	**	56.0	1.6	86	21.7	222.4	55.2	0.5	99	
				109	P250	1	21.2	220.0	*	55.2	2.9	92	7.9	3.8	59.3	20.4	225.9	55.6	3.3	99	22.2	218.1	*	55.5	1.9	87	21.1	216.2	54.6	3.5	91	
				112	C250	2,4	22.6	226.6	*	53.4	0.9	90	7.4	4.0	59.6	21.6	225.5	53.8	1.0	90	23.1	218.3	*	52.5	0.8	82	23.1	236.0	**	54.0	0.9	98
				108	C1250	1,2,3	21.0	216.4	56.5	1.8	97	8.1	4.2	58.5	19.9	212.0	56.3	1.2	98	21.8	220.7	*	56.5	1.9	93	21.1	216.5	56.8	2.2	100		
				109	C250	2,4	21.2	215.9	54.0	1.7	91	7.3	3.7	60.0	19.9	218.7	54.0	2.2	96	21.9	198.7	54.1	2.2	79	21.8	230.4	*	54.1	0.7	99		
AVERAGE HIGHEST LOWEST				21.5	228.4	*	55.4	1.0	92	8.8	4.0	59.1	20.8	241.8	**	55.1	1.8	94	21.6	221.4	*	55.8	0.4	84	22.1	221.9	55.1	0.8	100			
				21.4	222.6		55.0	1.6	93	8.1	4.0	59.2	20.5	226.9	55.0	1.9	96	22.0	217.2	55.1	1.5	85	21.8	223.9	55.0	1.4	98					
				22.6	228.6		56.5	2.9	97	9.0	4.2	60.0	21.6	241.8	56.3	3.3	99	23.1	226.0	56.5	2.2	93	23.1	236.0	56.8	3.5	100					
CV (%)				21.0	215.9	53.4	0.9	90	7.3	3.7	58.5	19.9	212.0	53.8	1.0	90	21.4	198.7	52.5	0.4	79	21.1	216.2	54.0	0.5	91						
				3.5	6.1	1.2	92	5.6	3.8	6.2	1.2	2.9	4.9	0.7	72	4.0	3.6	6.3	1.4	122	8.1	3.1	5.7	1.5	81	4.1						
SD (5%)					0.6	10.8	0.6	1.3	4.2	0.3	0.2	0.6	0.5	10.7	0.4	1.6	3.9	0.7	13.5	0.8	1.6	6.9	0.7	12.7	0.8	1.3	4.0					

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- No hybrids entered for 3 years in Zone 1 Late trial.

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (101 Day and Earlier)

ZONE 2

TABLE 2E.

2007				EARLY - TRIAL AVERAGE								%QUALITY				INGHAM - 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
AGRIGOLD A6279RR BAYSIDE 1700 BAYSIDE 5100RR BAYSIDE 5518RR BAYSIDE 6094YGCBBR BAYSIDE 6096 BAYSIDE 8101HXTRR BROWN 5232RRYGPPlus BROWN 5636 CROPLAN 3688RB	101	P250	1	17.6	208.6	60.0	2.9	98	8.0	4.2	59.7	17.0	178.4	60.0	3.7	97	18.2	238.8	60.0	3.7	97	18.2	238.8	60.0	2.0	98
	100			19.6	194.2	58.7	1.2	98	9.2	3.9	58.5	18.6	159.7	58.8	1.1	95	20.7	228.7	58.5	1.1	95	20.7	228.7	58.5	1.3	100
	100		1	18.6	214.5	56.8	1.8	98	8.0	4.3	58.7	17.0	174.4	56.9	2.7	98	20.3	254.6	56.8	2.7	98	20.3	254.6	56.8	1.0	98
	95		1	18.1	197.6	58.7	1.7	98	8.2	3.5	60.0	16.3	168.5	59.0	2.7	97	19.9	226.6	58.4	2.7	97	19.9	226.6	58.4	0.7	98
	94		1,2	17.1	192.9	57.5	0.9	94	8.4	4.3	58.4	16.7	160.6	56.9	1.4	94	17.4	225.3	58.1	1.4	94	17.4	225.3	58.1	0.4	93
	96			19.3	191.4	58.8	1.5	99	7.9	3.5	60.5	18.4	157.9	59.3	1.4	98	20.3	225.0	58.2	1.4	98	20.3	225.0	58.2	1.6	100
	101		1,2,3	18.9	200.8	60.1	1.5	96	8.0	3.4	60.7	18.6	175.0	60.0	2.0	98	19.2	226.7	60.2	2.0	98	19.2	226.7	60.2	1.1	95
	99	C250	1,2,3	17.8	202.8	60.3	0.7	98	9.0	4.7	57.8	17.2	168.2	60.7	1.0	99	18.4	237.5	60.0	1.0	99	18.4	237.5	60.0	0.3	98
	98	C250		20.8	195.7	57.7	1.9	95	7.9	3.3	60.5	20.2	170.2	58.1	1.7	97	21.4	221.3	57.4	1.7	97	21.4	221.3	57.4	2.1	94
	97	C250	1,2	17.4	212.2	58.3	0.7	97	8.4	4.4	58.3	15.8	175.5	58.5	0.3	98	19.1	249.0	58.1	0.3	98	19.1	249.0	58.1	1.1	96
CROPLAN 3824TS CROPLAN 388RR/Bt CROPLAN 421RR/Bt CROWS 1684T CROWS 1723VTRR2 CROWS 1807VT3 CROWS 2117T DAIRYLAND STEALTH-9799 DEKALB DKC41-57(RR2YGPL) DEKALB DKC42-95 (RR2YGCBB) DEKALB DKC43-31 (RR2YGCBB) DEKALB DKC45-82 (RR2) DEKALB DKC46-60 (VT3) DEKALB DKC48-46 (RR2YGPL) DEKALB DKC49-35 (RR2) DEKALB DKC50-48 (RR2YGCBB) DEKALB DKC51-39 (RR2YGPL)	96	C250	1,2,3	17.6	199.4	58.6	0.8	100	8.3	3.9	59.1	16.8	161.0	57.8	1.0	99	18.4	237.8	59.5	1.0	99	18.4	237.8	59.5	0.7	100
	98	C250	1,2	18.1	217.1	56.4	0.7	100	8.1	4.0	59.2	17.2	178.3	56.5	1.3	100	19.1	256.0	56.4	1.3	100	19.1	256.0	56.4	0.0	99
	100	C250	1,2	17.6	211.0	59.4	0.2	95	8.2	3.9	58.8	17.1	176.6	59.1	0.4	94	18.2	245.5	59.8	0.4	94	18.2	245.5	59.8	0.0	96
	92	C250	1,2,3	15.8	186.4	59.4	3.5	93	8.4	4.6	57.3	14.6	156.9	58.6	1.8	91	17.1	215.9	60.2	1.8	91	17.1	215.9	60.2	5.1	95
	95	C250	1,3	16.4	204.2	59.3	3.7	98	7.9	4.1	59.5	15.1	169.2	58.5	4.7	98	17.7	239.1	60.1	4.7	98	17.7	239.1	60.1	2.7	98
	97	C250	1,2,3	17.7	214.6	58.6	0.8	99	8.4	3.9	58.4	16.7	191.7	58.4	1.0	98	18.7	237.5	58.7	1.0	98	18.7	237.5	58.7	0.7	99
	100	C250	1,2,3	16.8	197.5	59.7	0.7	96	7.9	4.1	59.0	15.9	171.6	59.5	1.4	95	17.8	223.4	59.9	1.4	95	17.8	223.4	59.9	0.0	97
	99	P250	1,2,3	17.4	216.6	58.5	0.3	100	8.2	4.0	58.7	16.6	185.0	58.0	0.7	100	18.2	248.3	59.0	0.7	100	18.2	248.3	59.0	0.0	100
	91	P250	1,2,3	15.8	193.9	59.7	1.9	97	8.2	4.2	58.5	14.7	166.4	59.2	2.7	99	17.0	221.4	60.3	2.7	99	17.0	221.4	60.3	1.1	96
	92	P250	1,2	15.2	193.1	58.2	1.6	100	8.4	4.1	58.3	13.8	156.0	57.5	2.6	100	16.6	230.2	58.9	2.6	100	16.6	230.2	58.9	0.7	100
DEKALB DKC43-31 (RR2YGCBB) DEKALB DKC45-82 (RR2) DEKALB DKC46-60 (VT3) DEKALB DKC48-46 (RR2YGPL) DEKALB DKC49-35 (RR2) DEKALB DKC50-48 (RR2YGCBB) DEKALB DKC51-39 (RR2YGPL) DYNAGRO 53B04 DYNAGRO 53F09 DYNAGRO 53K69 DYNAGRO 53P87 DYNAGRO 54K35 DYNAGRO 54P55 DYNAGRO 54T42 DYNAGRO 55V18 FIELDERS CHOICE NG6490 FIELDERS CHOICE NG6510 GARST 8860CB/LL GOLDEN HARVEST H-7283Hx/LL GOLDEN HARVEST H-7540 GOLDEN HARVEST H-7625Hx/LL GREAT LAKES 4415G3VT3 GREAT LAKES 4569G3VT3 GREAT LAKES 4689G3 HYLAND SEEDS HLB286	93	P250	1,2	15.8	201.7	58.3	1.0	99	8.0	3.8	59.1	14.3	168.3	57.8	1.3	99	17.4	235.2	58.9	1.3	99	17.4	235.2	58.9	0.7	99
	95	P250	1	16.9	205.2	58.1	2.0	99	7.9	4.1	58.8	16.2	172.6	57.2	3.1	99	17.7	237.9	59.1	3.1	99	17.7	237.9	59.1	1.0	100
	96	P250	1,2,3	16.6	219.6	58.2	0.3	99	7.5	4.0	59.3	15.3	190.4	57.6	0.0	98	17.9	248.8	58.9	0.0	98	17.9	248.8	58.9	0.7	100
	98	P250	1,2,3	15.9	215.0	58.5	2.1	100	8.3	3.9	59.1	14.3	177.5	58.2	1.3	100	17.5	252.4	58.8	1.3	100	17.5	252.4	58.8	2.9	100
	99	P250	1	16.8	207.1	57.2	1.2	95	8.7	4.1	58.1	15.1	168.8	56.9	1.4	94	18.5	245.5	57.5	1.4	94	18.5	245.5	57.5	1.1	95
	100	P250	1,2	18.5	222.0	57.4	2.6	99	7.7	3.4	60.3	17.5	191.7	57.0	1.7	98	19.5	252.4	57.9	1.7	98	19.5	252.4	57.9	3.6	100
	101	P250	1,2,3	18.1	209.4	58.8	0.5	99	8.4	3.8	59.3	17.2	169.4	58.7	0.0	98	18.9	249.5	58.9	0.0	98	18.9	249.5	58.9	1.0	100
	92	P250	1,2,3	15.9	199.4	59.3	2.2	98	8.4	4.4	58.3	14.7	171.1	59.0	1.6	100	17.2	227.7	59.6	1.6	100	17.2	227.7	59.6	2.8	96
	95	P250	2	16.1	211.4	58.6	1.2	95	7.6	4.4	58.5	14.9	187.2	58.4	2.4	95	17.3	235.5	58.9	2.4	95	17.3	235.5	58.9	0.0	96
	95	P250	1	15.8	193.0	57.9	3.0	95	8.3	4.4	58.2	14.1	164.0	57.4	2.7	97	17.5	222.1	58.3	2.7	97	17.5	222.1	58.3	3.3	93
DYNAGRO 53P87 DYNAGRO 54K35 DYNAGRO 54P55 DYNAGRO 54T42 DYNAGRO 55V18 FIELDERS CHOICE NG6490 FIELDERS CHOICE NG6510 GARST 8860CB/LL GOLDEN HARVEST H-7283Hx/LL GOLDEN HARVEST H-7540 GOLDEN HARVEST H-7625Hx/LL GREAT LAKES 4415G3VT3 GREAT LAKES 4569G3VT3 GREAT LAKES 4689G3 HYLAND SEEDS HLB286	94	P250	1,2	15.8	188.8	59.1	0.9	92	8.1	4.2	58.2	14.2	155.8	58.6	1.1	90	17.4	221.7	59.6	1.1	90	17.4	221.7	59.6	0.7	95
	98	P250	1	18.0	216.2	59.3	1.5	100	7.6	3.9	60.0	17.3	189.0	59.2	2.3	100	18.7	243.3	59.4	2.3	100	18.7	243.3	59.4	0.7	99
	97	P250	1,2	16.4	200.0	57.4	1.2	98	8.1	4.3	59.0	15.6	167.5	57.0	1.4	98	17.2	232.5	57.9	1.4	98	17.2	232.5	57.9	1.0	97
	100	P250	1,2,3,4	18.8	208.5	59.1	1.5	94	7.8	3.6	60.2	17.7	176.7	59.4	1.7	93	19.9	240.3	58.7	1.7	93	19.9	240.3	58.7	1.4	95
	98	P250	1,2,3	17.6	217.4	60.2	1.0	98	8.6	4.4	58.3	16.6	189.2	60.1	1.7	97	18.7	245.7	60.4	1.7	97	18.7	245.7	60.4	0.3	99
	97	P250	1,2,3	16.6	206.4	58.0	0.7	93	8.7	4.3	58.0	14.6	169.5	58.0	1.1	93	18.6	243.2	58.0	1.1	93	18.6	243.2	58.0	0.4	93
	98	P250	1,2,3	17.4	213.2	58.5	0.8	100	8.0	4.2	58.8	16.6	180.0	58.2	0.7	100	18.3	246.4	58.9	0.7	100	18.3	246.4	58.9	1.0	99
	95	C250	2,4	16.4	186.8	58.1	2.2	88	8.7	4.1	58.5	15.0	156.2	57.6	4.0	90	17.8	217.4	58.6	4.0	90	17.8	217.4	58.6	0.4	86
	98	C250	2,4	17.2	205.5	58.3	2.0	95	8.5	3.9	58.4	15.8	163.6	57.9	3.4	96	18.6	247.4	58.7	3.4	96	18.6	247.4	58.7	0.7	94
	100	C250		17.5	213.3	55.4	1.6	94	8.5	5.0	57.0	16.0	190.4	54.9	2.1	96	19.1	236.1	55.9	2.1	96	19.1	236.1	55.9	1.1	93
GOLDEN HARVEST H-7625Hx/LL GREAT LAKES 4415G3VT3 GREAT LAKES 4569G3VT3 GREAT LAKES 4689G3 HYLAND SEEDS HLB286	100	C250	4	19.2	202.9	59.1	0.8	99	8.9	3.6	59.3	18.5	153.9	58.8	1.0	99	20.0	251.9	59.5	1.0	99	20.0	251.9	59.5	0.7	100
	94	P250	1,2,3	16.8	202.4	58.2	0.7	98	7.8	4.0	59.5	15.0	167.0	58.1	1.0	98	18.6	237.7	58.3	1.0	98	18.6	237.7	58.3	0.3	99
	95	P250	1,2,3	17.8	216.5	57.2	0.5	98	8.1	4.3	59.2	16.7	182.8	57.0	0.7	98	19.0	250.3	57.5	0.7	98	19.0	250.3	57.5	0.3	99
	96	P250	1,2,3	17.6	216.0	58.5	1.0	99	8.2	4.0	58.5	1														

2007				EARLY - TRIAL AVERAGE				%QUALITY			INGHAM - EARLY				SAGINAW - EARLY						
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
HYLAND SEEDS HLB295	99	P250	2	18.9	213.5	59.7	0.2	91	8.3	3.8	58.7	17.8	170.0	60.1	0.3	91	20.1	257.0 *	59.2	0.0	91
HYLAND SEEDS HLB38R	92	P250	1,2	15.8	199.9	57.6	1.2	91	8.3	4.4	58.2	14.8	175.1	57.0	1.4	93	16.9	224.6	58.2	1.1	90
HYLAND SEEDS HLB52R	101	P250	1,2	21.1	199.9	57.6	2.1	97	8.0	3.4	60.3	19.8	158.7	57.9	2.8	96	22.3	241.1	57.3	1.4	97
HYLAND SEEDS HLCBR54	92	P250	1,2,3	16.2	200.5	57.7	1.4	92	8.4	4.3	58.4	15.1	169.4	57.4	1.8	91	17.4	231.7	58.0	1.1	94
HYLAND SEEDS HLCBR84	101	P250	1,2,3	21.3	212.7	57.7	0.8	96	8.0	3.5	60.2	20.3	182.2	58.1	1.3	96	22.3	243.2	57.3	0.3	96
INTEGRA SEED INT6698VT3	95	P250	1,2,3	16.2	211.4	57.0	1.5	97	8.3	4.3	57.9	15.5	187.4 *	56.5	2.3	100	16.8	235.5	57.4	0.7	94
INTEGRA SEED INT9480VT3	98	P250	1,2,3	18.1	204.8	60.4	1.9	96	8.2	4.0	59.4	17.7	172.5	59.8	1.4	95	18.4	237.2	60.9	2.4	96
INTEGRA SEED INT9511VT3	100	P250	1,2,3	19.0	205.6	57.8	0.5	95	8.8	4.2	58.3	19.0	177.7	57.2	0.7	95	19.1	233.5	58.4	0.3	94
LEGACY 45A19	100	P250	1,2	18.7	195.5	59.8	2.6	99	7.8	3.4	61.4	18.1	159.2	59.6	3.3	99	19.2	231.7	60.0	2.0	99
LEGACY 46M94	99	P250	2	19.3	191.2	59.6	2.3	88	8.5	3.5	58.8	18.3	169.4	59.8	1.1	88	20.2	213.1	59.4	3.5	88
MIDWEST 69203T	92	C250	1,2,3	15.3	198.8	59.6	2.4	97	8.4	4.4	57.9	14.0	173.8	59.0	1.7	96	16.5	223.7	60.2	3.0	98
MIDWEST 69574VTRR2	94	C250	1,3	16.5	196.3	59.3	3.7	98	7.6	3.8	59.7	14.9	162.9	58.8	4.2	96	18.0	229.7	59.7	3.3	99
MIDWEST 69704VT3	97	C250	1,2,3	17.2	207.8	58.8	0.7	99	8.3	4.2	58.4	16.3	179.7	58.3	1.0	100	18.2	235.8	59.3	0.3	97
MIDWEST 70103T	100	C250	1,2,3	17.3	200.1	59.5	1.0	99	8.2	4.4	58.4	16.4	161.4	59.2	1.7	99	18.2	238.8	59.8	0.3	99
MIDWEST 70503S	101	C250	1,2,3	18.9	211.4	60.0	1.6	91	8.1	3.5	60.7	18.5	173.9	60.1	1.1	88	19.4	249.0 *	59.8	2.1	95
NK Brand N45-A5	101	C250	2,3	17.9	201.1	56.1	0.2	97	7.8	4.4	58.0	16.3	168.4	56.0	0.3	97	19.5	233.8	56.2	0.0	97
NuTech 0A-900	100	C250		17.9	200.7	55.3	1.0	98	7.6	4.1	59.1	16.5	169.2	54.7	1.7	96	19.3	232.3	56.0	0.3	100
NuTech 1X-402 HXT	101	C250	2,3,4	18.6	213.0	59.7	1.4	98	8.1	3.2	61.1	18.2	196.3 *	59.7	2.0	98	19.0	229.7	59.6	0.7	97
NuTech 3P-302 RRYGPL	101	P250	1,2,3	20.0	227.2 **	59.1	0.9	94	8.5	4.5	58.0	19.1	199.6 **	59.7	1.4	95	20.8	254.8 *	58.5	0.4	93
NuTech 3T-098 VT3	98	P250	1,2,3	16.9	206.9	58.7	0.9	96	8.1	3.9	58.6	15.7	167.1	58.3	1.7	95	18.2	246.7 *	59.0	0.0	96
NuTech 3T-799 VT3	99	P250	1,2,3	17.9	211.1	58.3	0.3	96	8.1	4.3	58.8	17.0	173.9	58.0	0.4	97	18.7	248.3 *	58.6	0.3	94
NuTech 3W-099 RRYGRW	98	P250	1,3	17.6	211.7	60.3	3.6	100	8.6	4.0	59.1	16.8	188.9 *	60.0	2.3	99	18.4	234.5	60.5	4.9	100
PIONEER 37D26	98	P250	1,2,4,11	17.8	199.2	58.3	5.2	96	8.0	4.2	58.5	15.6	174.0	59.0	2.1	94	20.0	224.4	57.6	8.3	97
PIONEER 37F76	100	P250	1,2,3,4,11,12	18.0	197.4	59.0	0.3	99	8.9	4.1	58.1	16.8	163.4	58.5	0.3	98	19.1	231.5	59.4	0.3	100
PIONEER 37Y14	98	P250	1,2,3,4,11	18.5	206.0	58.6	1.2	98	8.2	4.2	59.6	18.3	170.3	58.0	1.0	96	18.7	241.7	59.2	1.3	100
RENK RK570YGV3	97	P250	1,2,3	16.2	202.8	57.0	0.9	95	8.3	4.0	58.7	15.4	179.0	56.3	1.1	96	17.0	226.6	57.6	0.7	93
RENK RK618YGV3	100	P250	1,2,3	17.8	213.8	60.2	1.0	99	8.4	4.0	59.4	17.4	178.3	59.8	1.1	97	18.2	249.4 *	60.6	1.0	100
RUPP 8XP02V	94	C1250	1,2,3	15.9	200.6	57.2	1.0	94	8.2	4.2	58.4	14.8	170.8	56.7	1.1	94	16.9	230.4	57.7	1.0	94
RUPP 8XP75	100	C1250	1,2	19.5	214.7	59.1	2.2	99	7.5	3.6	61.3	18.8	189.8 *	59.4	2.3	99	20.2	239.6	58.7	2.0	99
RUPP XR1609	101	C1250		21.3	205.9	57.2	1.9	96	7.7	3.7	60.1	19.9	179.8	57.9	2.0	97	22.6	232.0	56.4	1.7	95
RUPP XR8626	100	C1250	2	19.0	215.4	59.3	0.5	98	8.3	3.6	59.2	18.0	171.3	59.5	1.0	98	19.9	259.5 **	59.1	0.0	98
SEED CONSULTANTS SC9VTT38	93	C250		15.9	203.6	56.9	1.2	99	7.9	4.0	59.1	14.8	177.2	56.3	1.7	99	17.0	230.0	57.6	0.7	100
TRELAY 4T722	97	P250	1,2,3	17.3	208.2	58.5	0.9	95	8.6	4.0	58.6	16.2	181.4	57.9	1.4	95	18.5	235.0	59.0	0.4	94
TRELAY 5K429	101	P250	1,2,3	19.1	211.8	59.6	1.0	100	8.7	4.2	59.0	18.6	180.6	59.6	1.0	100	19.7	242.9	59.6	1.0	100
TRELAY 5K626	100	P250	1,2,3	16.7	199.3	59.7	0.7	99	7.9	4.1	59.2	15.6	166.3	59.4	1.0	99	17.9	232.2	60.0	0.3	99
AVERAGE				17.6	205.3	58.5	1.4	97	8.2	4.0	59.0	16.6	173.6	58.3	1.6	97	18.7	237.1	58.8	1.2	97
HIGHEST				21.3	227.2	60.4	5.2	100	9.2	5.0	61.4	20.3	199.6	60.7	4.7	100	22.6	259.5	60.9	8.3	100
LOWEST				15.2	186.4	55.3	0.2	88	7.5	3.2	57.0	13.8	153.9	54.7	0.0	88	16.5	213.1	55.9	0.0	86
CV (%)				3.7	4.9	0.8	108	3.8	5.1	6.2	1.3	4.7	6.1	0.9	106	3.9	2.5	4.1	0.6	109	3.7
LSD (5%)				0.6	10.0	0.5	1.5	3.6	0.6	0.4	1.1	1.1	14.8	0.8	2.4	5.2	0.7	13.5	0.5	1.9	4.9

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- No published results for Kent County.

- 2 Year & 3 Year Averages Continue on page 16.

2007		LATE - TRIAL AVERAGE				%QUALITY			INGHAM - LATE				SAGINAW - LATE			
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A6324BIRWRR	103	P250	1,2	20.4	205.4	58.0	0.8	97	9.3	3.9	58.2	19.1	172.4	58.2	0.0	99
AGRIGOLD A6325RWRR	104	P250	1,3	21.4	220.0	56.5	1.8	99	8.9	3.8	58.7	22.5	187.0	55.6	2.3	99
BAYSIDE 2103YGCBBR	103		1,2	22.0	193.6	57.5	1.5	100	7.8	3.5	61.0	21.5	150.6	57.9	2.0	100
BAYSIDE 6103YGCBBR	103		1,2	18.9	189.7	58.8	2.1	96	8.7	4.3	58.5	18.8	147.2	58.7	3.2	95
BAYSIDE Super 105	105			22.5	189.0	56.4	3.7	98	8.9	3.6	59.9	23.4	158.9	56.4	3.1	98
CROPLAN 4664RB	103	C250	1,2	19.4	196.5	57.9	0.7	95	8.6	4.4	58.5	19.2	151.7	57.4	0.7	92
CROPLAN 5338TS	104	C250	1,2,3	21.2	217.6	57.5	1.6	100	8.0	4.3	58.7	21.6	180.7	57.2	2.7	100
CROPLAN 5403XX	103	C250	2,3,4	21.6	213.4	56.7	0.5	98	8.4	3.3	60.3	21.4	173.8	56.7	1.0	100
CROWS 3848VT3	105	C250	1,2,3	22.7	213.1	58.0	1.5	98	7.6	3.8	60.5	22.4	178.4	58.1	1.7	98
CROWS 4223T	107	C250	1,2,3	22.7	208.6	56.1	2.0	98	8.4	3.6	59.6	22.5	170.8	56.6	3.0	98
CROWS 4352S	107	C250	1,2	24.4	222.6	55.8	1.1	99	9.4	4.1	58.0	25.1	172.5	55.6	1.3	100
DAIRYLAND STEALTH-4006	105	P250	1,2,3	21.2	220.0	56.2	2.8	95	8.6	4.0	59.5	21.7	175.9	55.3	2.9	92
DAIRYLAND STEALTH-5204	104	P250	2	19.7	211.9	59.0	0.5	98	8.2	3.8	60.1	19.0	172.6	59.1	0.3	98
DAIRYLAND STEALTH-6003	103	P250	1	20.3	200.1	56.2	1.0	99	8.4	4.0	59.5	20.2	165.0	56.1	1.0	100
DAIRYLAND STEALTH-6006	106	P250	1	22.2	211.1	55.8	2.4	97	8.9	3.7	59.0	22.5	173.5	55.3	2.8	96
DAIRYLAND STEALTH-7506	106	P250	1,2	20.9	207.6	58.1	0.2	96	8.7	3.5	58.8	20.6	183.9	58.0	0.4	94
DEKALB DKC52-40 (RR2YGPL)	102	P250	1,2,3	18.6	209.8	57.7	0.5	97	8.5	4.0	59.2	18.1	175.0	57.8	0.4	95
DEKALB DKC52-63 (RR2YGCBB)	102	P250	1,2	21.0	204.8	56.7	0.4	95	8.8	3.9	58.9	21.6	165.7	56.5	0.7	97
DEKALB DKC54-46 (RR2YGPL)	104	P250	1,2,3	19.5	200.8	59.6	0.5	99	9.1	4.4	57.9	19.4	169.4	59.5	0.4	99
DEKALB DKC57-79 (RR2YGPL)	107	P250	1,2,3	22.7	212.2	57.1	0.6	98	9.1	4.1	58.8	24.3	162.3	56.0	0.3	98
DYNAGRO 55B49	105	P250	1,2,3	22.0	203.4	57.9	0.1	99	8.7	3.3	59.5	21.8	172.7	58.2	0.0	97
DYNAGRO 55K46	103	P250	1	18.7	195.3	56.0	1.3	99	8.0	4.2	59.1	17.6	154.3	55.6	1.0	97
FIELERS CHOICE NG6580	102	P250		20.4	197.5	58.7	2.2	97	7.9	3.7	59.8	21.0	159.6	58.2	2.0	99
FIELERS CHOICE NG6686	107	P250	1,2,3	22.4	203.2	57.8	1.8	99	8.5	3.6	60.6	22.1	154.2	57.7	2.0	98
GARST 8571CB/LL	106	C250	2,4	23.5	212.0	53.6	0.9	96	7.7	4.0	59.1	24.6	172.6	53.6	1.1	97
GARST 8688GT	104	C250	1	20.6	181.5	56.4	2.1	91	9.0	4.3	58.4	20.7	135.1	55.8	2.5	94
GARST 8689IT	104	C250	5	20.7	211.0	56.3	1.3	98	8.6	3.9	59.0	20.5	173.9	56.3	1.0	99
GARST 8693CB/LL	105	C250	2,4	22.0	206.5	55.7	1.4	99	8.3	3.3	60.5	22.0	158.0	55.4	2.1	98
GOLDEN HARVEST H-8061CB/LL	104	C250	2,4	20.6	207.2	59.2	0.5	100	7.8	4.0	60.1	20.2	156.9	59.5	0.7	100
GOLDEN HARVEST H-8265CB/LL	106	C250	2,4	22.1	212.6	57.3	0.7	98	8.3	3.5	60.1	22.2	172.1	57.0	0.4	97
GOLDEN HARVEST H-8318CB/LL	106	C250	2,4	22.2	205.7	56.5	0.3	98	8.2	3.6	60.1	22.4	165.4	56.4	0.7	98
GOLDEN HARVEST H-8529CB/LL	108	C250	2,4	22.9	210.9	53.8	0.7	97	8.2	4.2	58.5	23.2	169.9	53.8	1.4	96
GREAT LAKES 5362G3	103	P250	1,2,3	20.0	205.4	58.2	1.3	98	9.5	4.2	57.7	19.7	166.4	58.0	1.0	96
GREAT LAKES 5416RWRR	104	P250	1,3	21.6	219.7	56.8	2.0	97	8.5	4.1	59.3	21.9	184.8	56.5	2.7	94
GREAT LAKES 5961G3	110	P250	1,2,3	22.3	208.1	56.3	0.8	98	8.6	4.0	58.0	22.8	173.0	56.0	0.7	97
HYLAND SEEDS HL2677	104	P250		21.8	206.7	56.4	4.0	96	8.9	4.1	58.6	22.2	173.4	56.0	3.8	95
HYLAND SEEDS HLB337	105	P250	2	22.7	234.4	55.5	3.2	96	8.4	3.7	59.8	22.8	196.0	55.6	6.0	95
INTEGRA SEED INT9520RBC	102	P250	1,2,3	20.6	220.8	58.5	1.3	97	8.7	4.1	58.2	19.8	191.2	58.6	1.3	97
INTEGRA SEED INT9530VT3	103	P250	1,2,3	20.1	210.5	56.8	0.3	93	8.8	4.0	58.0	19.2	172.3	56.8	0.3	94
INTEGRA SEED INT9550RBC	105	P250	1,2,3	21.8	200.0	58.0	0.8	98	8.6	3.5	59.3	21.5	164.8	58.4	0.3	96

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

2007	LATE - TRIAL AVERAGE			%QUALITY			INGHAM - 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
2007	LEGACY 44T14	106	P250	2	21.6	200.5	53.5	0.4	95	8.6	3.8	59.4	21.7	167.9	53.0	0.7	96	21.5	233.1	54.0	0.0	95
	MIDWEST 76126VT3	105	C250	1,2,3	22.1	213.9	57.9	1.5	98	8.2	4.2	60.4	21.7	173.4	57.8	2.3	99	22.5	254.4	58.1	0.6	97
	MIDWEST 76173T	107	C250	1,2,3	22.8	208.3	56.0	0.8	98	8.9	4.1	58.6	22.6	164.7	56.2	0.3	99	23.0	251.9	55.7	1.3	98
	MIDWEST 76483S	107	C250	1,2	23.2	222.2	56.3	1.1	100	8.6	4.0	58.2	22.8	171.4	56.4	1.0	100	23.6	273.0	56.1	1.2	100
	MYCOGEN 2D557	103	C250	2,3,4	20.4	199.4	58.6	0.7	98	8.7	4.1	58.5	20.1	156.7	58.7	1.4	97	20.6	242.1	58.5	0.0	99
	MYCOGEN 2G627	106	C250	1,2,3	22.0	197.0	58.4	0.5	99	9.1	4.1	58.7	22.4	159.9	58.5	0.7	100	21.7	234.0	58.3	0.3	99
	NK Brand N48-G6	103	C250	2,4	19.6	200.2	54.9	1.0	98	8.4	4.5	57.7	19.4	167.9	54.3	0.7	97	19.9	232.4	55.5	1.3	99
	NK Brand N48-R3	103	C250	2,4	19.3	200.3	54.8	1.9	97	8.4	4.3	57.8	19.4	163.9	54.2	3.8	98	19.3	236.8	55.5	0.0	97
	NK Brand N51-T8	104	C250	2,4	20.0	205.8	59.0	0.8	100	8.0	4.1	59.5	19.5	155.4	59.4	1.0	99	20.5	256.1	58.7	0.6	100
	NK Brand N53-W3	105	C250	1	21.2	204.3	56.0	1.2	99	8.5	3.6	59.8	21.6	164.6	55.6	1.0	98	20.9	244.1	56.5	1.3	100
	NuTech 0A-004	104	C250		20.3	183.8	56.2	1.3	90	8.7	3.8	57.8	19.8	155.8	55.9	0.7	96	20.9	211.8	56.5	1.9	84
	NuTech 1B-103 CB/LL	102	C250	2,4	20.1	200.7	59.4	1.2	96	8.7	3.8	59.5	19.9	153.5	60.1	1.4	92	20.4	247.8	58.7	1.0	100
	NuTech 1H-104 HX	104	C250	2,4	21.3	215.6	56.3	0.2	97	6.9	3.3	61.8	20.9	180.2	56.5	0.3	97	21.8	250.9	56.1	0.0	96
	NuTech 1X-507 HXT	105	P250	2	22.8	200.9	57.5	1.0	98	8.8	3.1	60.3	23.3	159.1	57.1	0.7	97	22.3	242.7	57.8	1.3	99
	NuTech 1X-606 HXT	105	C250	2,3,4	22.4	208.6	55.6	0.5	99	9.2	3.8	59.4	21.7	166.9	55.6	0.7	98	23.1	250.3	55.5	0.3	100
	NuTech 3C-303 RRYGCB	103	P250	1,2	19.9	210.3	57.9	0.8	98	8.3	3.8	59.3	19.3	175.9	57.9	0.7	98	20.4	244.6	57.9	1.0	97
	NuTech 3P-603 RRYGPL	103	P250	1,2,3	20.3	196.4	57.9	1.0	93	9.2	3.7	58.1	20.0	164.1	58.1	1.4	93	20.5	228.8	57.7	0.7	92
	NuTech 3P-703 RRYGPL	103	C250	1,2,3	21.2	198.2	58.3	0.3	98	8.3	3.5	59.3	20.4	167.6	58.6	0.0	99	22.0	228.8	58.0	0.7	98
	NuTech 3P-902 RRYGPL	102	P250	1,2,3	17.3	188.1	60.7	0.8	95	8.6	4.0	58.6	16.4	159.3	60.4	0.7	94	18.3	216.8	60.9	1.0	96
	NuTech 3T-006 VT3	105	P250	1,2,3	22.3	225.1	56.5	1.0	98	8.6	4.2	58.1	22.6	186.4	56.6	0.7	98	22.1	263.7	56.4	1.3	98
	NuTech 3T-301 VT3	103	P250	1,2,3	20.3	200.8	56.9	1.1	92	8.3	3.9	58.8	19.9	158.5	56.9	2.1	92	20.6	243.0	57.0	0.0	91
	NuTech 3T-808 VT3	107	P250	1,2,3	24.7	220.2	55.9	2.6	96	9.4	3.8	59.0	25.6	186.1	55.5	1.1	96	23.8	254.2	56.3	4.1	96
	NuTech 5H-403 RR/HX	105	C250	2,4	20.8	192.9	58.3	0.5	90	7.7	3.2	61.5	20.6	159.5	57.6	0.7	88	21.0	226.3	59.1	0.3	92
	PIONEER 35F40	105	P250	1,2,4,11,12	20.8	230.7	58.6	0.5	97	7.7	3.5	60.4	20.8	193.6	58.4	1.0	96	20.8	267.7	58.7	0.0	98
	PIONEER 35H42	107	P250	1,2,4,11,13	22.2	223.3	59.4	0.5	100	8.6	3.7	60.1	21.9	187.8	59.3	1.0	100	22.5	258.7	59.5	0.0	99
	PIONEER 36K69	103	P250	1,2,4,11,13	21.4	217.6	56.8	0.5	99	9.3	3.9	58.4	21.4	177.8	56.3	0.3	99	21.4	257.3	57.4	0.6	100
PIONEER 36V75	104	P250	1,2,4,11,12	20.0	216.0	54.7	0.5	99	8.0	3.5	60.2	19.8	171.1	54.7	1.0	99	20.1	260.8	54.7	0.0	100	
PIONEER 36W69	103	P250	1,2,3,4,11,12	21.0	199.0	56.8	0.5	98	8.4	3.5	58.6	21.0	170.9	56.7	1.0	98	20.9	227.0	56.9	0.0	99	
PIONEER 36Y86	104	P250	1,2,3,4,11,12	20.2	201.7	58.3	0.2	100	8.4	3.9	59.0	20.4	177.6	57.7	0.4	99	20.0	225.7	58.9	0.0	100	
RENK RK644HXTRA	106	P250	2,4	20.1	188.4	58.5	0.7	99	8.8	3.8	58.4	19.6	135.1	58.2	0.7	98	20.6	241.6	58.9	0.6	100	
RENK RK670RRYGPL	103	P250	1,2,3	20.0	209.8	57.0	0.2	95	8.3	4.0	59.0	19.4	168.2	56.8	0.4	90	20.6	251.3	57.1	0.0	99	
RENK RK772RRYGPL	104	P250	1,2,3	18.5	185.2	57.1	1.2	94	8.7	4.4	57.8	18.2	150.3	56.6	0.7	95	18.8	220.1	57.6	1.8	94	
RUPP XR1634	104	C1250	5	20.7	215.7	56.2	1.7	98	8.7	3.9	59.3	20.5	178.4	55.7	1.4	97	20.8	253.0	56.8	2.0	98	
RUPP XR8024	102	C1250	1,2,3	22.4	196.6	57.8	0.6	99	8.3	3.4	60.5	22.0	158.9	58.0	1.0	100	22.9	234.2	57.6	0.3	99	
SEED CONSULTANTS SC10B36	103	C250	2	20.1	211.4	58.9	0.5	97	8.3	3.6	59.8	20.2	176.3	58.8	0.7	99	20.0	246.5	58.9	0.3	95	
SEED CONSULTANTS SC10H27	102	C250	2,4	21.6	211.0	57.0	1.4	97	8.4	4.1	59.8	22.0	160.6	56.4	1.7	97	21.2	261.4	57.6	1.0	98	
SEED CONSULTANTS SC10MT37	103	C250	1,2,3	20.6	208.4	57.6	1.5	99	8.6	3.5	59.7	20.4	175.0	57.3	0.8	99	20.9	241.8	58.0	2.3	100	
AVERAGE				21.1	206.6	57.1	1.1	97	8.5	3.8	59.2	21.1	168.2	57.0	1.3	97	21.2	245.0	57.3	1.0	98	
HIGHEST				24.7	234.4	60.7	4.0	100	9.5	4.5	61.8	25.6	196.0	60.4	6.0	100	23.8	273.0	60.9	4.3	100	
LOWEST				17.3	181.5	53.5	0.1	90	6.9	3.1	57.7	16.4	135.1	53.0	0.0	88	18.3	211.8	53.6	0.0	84	
CV (%)				3.9	6.1	1.1	119	3.4	4.5	5.9	1.3	4.4	7.8	1.3	124	3.5	2.8	3.7	0.7	107	3.2	
LSD (5%)				0.8	12.3	0.6	1.3	3.2	0.5	0.3	0.9	1.3	18.3	1.1	4.3	4.8	0.8	12.6	0.6	1.4	4.4	

2 Year Averages 2007 - 2006										INGHAM - 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
BAYSIDE 1700	100			20.4	187.7	57.4	1.0	97	8.6	3.8	59.2	19.4	171.4	57.2	1.4	97	21.4	204.0	57.6	0.7	97
BAYSIDE 5518RR	95		1	19.2	191.8 *	57.6	1.4	95	8.1	3.6	59.8	17.9	177.7	57.6	2.2	96	20.6	205.9 *	57.6	0.7	95
BAYSIDE 6094YGBRR	94		1,2	18.1	195.3 *	56.7	0.5	96	8.1	4.4	58.5	18.0	186.5 *	56.1	0.7	96	18.3	204.2 *	57.3	0.2	95
BAYSIDE 6096	96			20.4	188.6	57.3	1.8	96	7.7	3.5	60.7	19.4	180.3 *	57.4	1.8	97	21.4	196.9	57.1	1.8	95
BROWN 5232RRYGPPlus	99	C250	1,2,3	18.9	196.4 *	59.0	0.5	99	8.4	4.5	58.7	18.6	186.6 *	59.0	0.9	98	19.2	206.1 *	59.0	0.1	99
BROWN 5636	98	C250		21.4	191.8 *	56.5	1.5	92	7.7	3.5	60.5	20.8	187.7 *	56.6	1.6	94	22.0	195.9	56.3	1.4	91
CROPLAN 421RR/Bt	100	C250	1,2	19.2	202.8 **	58.4	0.2	94	8.1	4.1	58.7	18.5	191.8 **	58.3	0.3	94	19.9	213.8 *	58.5	0.2	94
DYNAGRO 53K69	95	P250	1	17.2	184.5	57.3	2.5	96	7.9	4.4	58.5	16.0	177.5	57.0	2.3	97	18.4	191.5	57.6	2.7	94
LEGACY 46M94	99	P250	2	20.0	182.7	58.7	1.4	89	8.2	3.6	59.1	19.5	174.8	58.5	0.7	91	20.5	190.5	58.9	2.1	87
RUPP XR8626	100	C1250	2	20.4	199.6 *	57.6	0.5	99	7.6	3.8	59.7	19.5	184.1 *	57.8	1.0	99	21.3	215.1 **	57.4	0.0	99
AVERAGE				19.5	192.1	57.6	1.1	95	8.0	3.9	59.4	18.8	181.8	57.6	1.3	96	20.3	202.4	57.7	1.0	95
HIGHEST				21.4	202.8	59.0	2.5	99	8.6	4.5	60.7	20.8	191.8	59.0	2.3	99	22.0	215.1	59.0	2.7	99
LOWEST				17.2	182.7	56.5	0.2	89	7.6	3.5	58.5	16.0	171.4	56.1	0.3	91	18.3	190.5	56.3	0.0	87
CV (%)				4.1	6.3	1.1	373	4.1	4.4	5.8	1.3	5.0	7.2	1.1	458	3.8	2.6	5.4	1.0	104	4.3
LSD (5%)				0.7	12.5	0.6	4.1	3.9	0.4	0.2	0.7	0.8	12.4	0.6	7.0	3.6	0.5	12.3	0.6	1.2	4.0

3 Year Averages 2007 - 2005										EARLY - TRIAL AVERAGE						%QUALITY			INGHAM - 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
BAYSIDE 1700	100			19.7	190.0	57.8	1.0	97	8.5	3.8	59.3	18.3	170.0	57.8	1.4	97	21.2	210.0	57.8	0.6	98	21.2	210.0	57.8	0.6	98
BAYSIDE 5518RR	95		1	18.2	190.9	57.8	1.5	95	8.2	3.6	59.8	16.5	169.2	57.7	1.7	95	19.9	212.7	57.8	1.2	95	19.9	212.7	57.8	1.2	95
BROWN 5636	98	C250		20.6	197.5	56.7	1.7	94	7.7	3.6	60.4	19.5	183.2 *	57.0	2.0	95	21.7	211.8	56.4	1.3	93	21.7	211.8	56.4	1.3	93
CROPLAN 421RR/Bt	100	C250	1,2	18.5	209.4 **	58.8	0.3	96	8.1	4.1	58.7	17.3	190.0 **	58.8	0.4	96	19.7	228.7 **	58.8	0.1	95	19.7	228.7 **	58.8	0.1	95
LEGACY 46M94	99	P250	2	19.6	193.5	58.9	1.0	92	8.2	3.7	59.1	18.9	178.5	58.8	0.5	93	20.3	208.4	58.9	1.5	92	20.3	208.4	58.9	1.5	92
AVERAGE				19.3	196.3	58.0	1.1	95	8.1	3.8	59.4	18.1	178.2	58.0	1.2	95	20.5	214.3	58.0	1.0	95	20.5	214.3	58.0	1.0	95
HIGHEST				20.6	209.4	58.9	1.7	97	8.5	4.1	60.4	19.5	190.0	58.8	2.0	97	21.7	228.7	58.9	1.5	98	21.7	228.7	58.9	1.5	98
LOWEST				18.2	190.0	56.7	0.3	92	7.7	3.6	58.7	16.5	169.2	57.0	0.4	93	19.7	208.4	56.4	0.1	92	19.7	208.4	56.4	0.1	92
CV (%)				4.3	5.9	1.0	288	3.7	4.7	6.0	1.3	5.0	7.0	1.0	397	3.3	3.0	4.8	0.9	104	3.9	3.0	4.8	0.9	104	3.9
LSD (5%)				0.6	9.7	0.5	2.7	2.9	0.3	0.2	0.6	0.7	9.8	0.5	4.9	2.6	0.5	8.8	0.4	1.0	3.1	0.5	8.8	0.4	1.0	3.1

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

TABLE 2L - Continued from page 14.

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - LATE (102 Day and Later)

ZONE 2

2 Year Averages 2007 - 2006

BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE				%QUALITY			INGHAM - LATE			SAGINAW - LATE		
				%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 2103YGCBBR	103		1,2	22.8	197.8	55.9	0.9	98	7.7	3.6	60.5	22.5	181.5	55.8	1.1	98
BAYSIDE Super 105	105			23.2	197.2	54.7	2.6	95	8.3	4.0	59.5	23.4	181.9	54.8	2.1	94
DAIRYLAND STEALTH-5204	104	P250	2	21.3	212.6 *	57.3	0.4	99	7.6	3.9	59.7	21.1	193.5	57.0	0.3	99
DAIRYLAND STEALTH-6006	106	P250	1	23.0	208.0	54.6	2.6	98	8.5	4.0	58.8	23.1	194.6	53.9	2.7	97
DEKALB DKC52-40 (RR2YGPL)	102	P250	1,2,3	19.8	215.7 *	56.9	0.4	98	8.4	4.0	59.0	19.6	204.8 *	56.5	0.5	97
DEKALB DKC52-63 (RR2YGCBB)	102	P250	1,2	21.6	208.5	55.9	0.4	94	8.2	3.8	59.1	21.5	195.9	55.6	0.5	97
DEKALB DKC54-46 (RR2YGPL)	104	P250	1,2,3	20.4	202.2	57.9	0.5	98	8.3	4.2	58.3	20.4	194.1	57.4	0.7	97
DEKALB DKC57-79 (RR2YGPL)	107	P250	1,2,3	23.3	210.6	56.1	0.5	98	8.3	4.1	59.0	24.2	193.4	55.4	0.3	99
GARST 8688GT	104	C250	1	21.6	191.3	55.5	2.1	91	8.2	4.2	59.1	21.8	172.8	54.8	2.5	93
GARST 8689IT	104	C250	5	21.7	210.6	55.2	1.8	96	8.1	3.8	59.4	21.5	201.4	55.0	1.4	97
GARST 8693CB/LL	105	C250	2,4	23.3	210.4	54.0	0.9	97	7.7	3.6	60.5	23.3	188.3	53.8	1.2	98
HYLAND SEEDS HLB2677	104	P250		23.3	209.1	54.6	3.0	94	8.3	4.0	59.1	23.5	200.0	54.3	3.0	93
HYLAND SEEDS HLB337	105	P250	2	24.2	225.5 **	53.6	2.1	96	8.2	3.8	59.3	24.5	215.7 **	53.7	3.5	96
NK Brand N48-R3	103	C250	2,4	20.3	203.7	53.7	1.1	98	8.2	4.4	57.7	20.0	192.4	53.0	2.2	98
NK Brand N53-W3	105	C250	1	22.0	207.8	55.2	1.5	99	7.9	3.8	59.9	22.3	188.9	54.5	2.0	98
PIONEER 36K69	103	P250	1,2,4,11,13	23.1	219.7 *	55.4	0.4	100	8.4	3.9	58.6	23.5	196.1	54.7	0.3	99
AVERAGE				22.2	208.2	55.4	1.3	97	8.1	3.9	59.2	22.3	193.4	55.0	1.5	97
HIGHEST				24.2	225.5	57.9	3.0	100	8.5	4.4	60.5	24.5	215.7	57.4	3.5	99
LOWEST				19.8	191.3	53.6	0.4	91	7.6	3.6	57.7	19.6	172.8	53.0	0.3	93
CV (%)				3.8	6.6	1.1	114	4.0	4.2	5.9	1.2	4.3	8.0	1.3	111	3.8
LSD (5%)				0.8	13.5	0.6	1.0	3.8	0.3	0.2	0.6	0.9	13.9	0.7	1.4	3.6

3 Year Averages 2007 - 2005

BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE				%QUALITY			INGHAM - LATE			SAGINAW - LATE		
				%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE Super 105	105			22.0	200.2	54.8	2.8	96	8.2	3.9	59.6	21.4	178.3	55.0	2.6	95
DAIRYLAND STEALTH-5204	104	P250	2	20.6	216.1 **	57.2	0.5	99	7.8	4.0	59.4	19.2	192.9 *	57.4	0.7	99
GARST 8689IT	104	C250	5	21.0	212.2 *	55.3	1.5	97	8.1	3.9	59.2	19.9	198.5 **	55.6	1.5	98
AVERAGE				21.2	209.5	55.8	1.6	97.2	8.0	3.9	59.4	20.1	189.9	56.0	1.6	97
HIGHEST				22.0	216.1	57.2	2.8	99.0	8.2	4.0	59.6	21.4	198.5	57.4	2.6	99
LOWEST				20.6	200.2	54.8	0.5	95.7	7.8	3.9	59.2	19.2	178.3	55.0	0.7	95
CV (%)				4.4	6.1	1.4	122	3.5	4.4	6.2	1.3	4.7	7.4	1.8	126	3.3
LSD (5%)				0.8	10.1	0.6	1.0	2.7	0.3	0.2	0.5	0.8	10.5	0.8	1.3	2.6

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 3E.

HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (96 Day and Earlier)

ZONE 3

2007				EARLY - TRIAL AVERAGE				%QUALITY			HURON - EARLY				MASON - EARLY				MONTCALM - 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 2090	90			17.1	184.1	59.8	1.7	93	9.1	3.7	58.6	16.4	141.7	59.4	2.6	91	18.4	207.9	59.8	1.4	95	16.7	202.8	60.3	1.1	93	
BAYSIDE 5072RR	93		1	19.5	193.1	56.2	2.3	99	8.1	3.4	60.5	21.0	148.8	53.8	4.0	98	19.6	209.3	56.9	1.0	100	18.0	221.3	57.8	2.0	99	
BAYSIDE 5518RR	95		1	20.1	196.5	56.6	1.5	97	8.4	3.5	59.9	21.5	156.5	54.6	1.1	96	20.1	215.5	57.1	2.3	100	18.7	217.5	58.2	1.0	96	
BAYSIDE 6094YGBRR	94		1,2	18.4	210.5	57.1	0.3	98	8.5	4.4	58.0	20.3	183.7	55.7	0.0	95	17.8	223.4	57.9	0.7	99	17.2	224.5	57.7	0.3	99	
BAYSIDE 6096	96			21.2	201.8	55.8	1.7	99	8.0	3.6	60.0	22.6	162.4	53.4	0.7	97	21.5	214.1	56.2	2.0	100	19.5	228.8	57.9	2.3	100	
BAYSIDE 7092YGPLRR	92		1,2,3	17.7	211.0	58.5	1.2	99	8.6	4.2	58.0	18.1	180.5	57.2	0.3	99	18.5	217.5	58.8	1.3	99	16.6	234.9	59.5	2.0	100	
BAYSIDE Super 93	93			19.3	190.8	56.4	2.0	97	8.5	4.1	58.7	20.8	155.1	54.0	2.4	97	18.9	211.3	57.5	2.0	100	18.1	206.2	57.7	1.7	95	
CROPLAN 314TS	92		1,2,3	17.9	207.4	58.4	1.3	98	8.2	4.2	58.1	18.7	169.4	57.1	1.7	96	18.4	223.7	58.8	0.3	100	16.5	229.2	59.4	2.0	99	
CROPLAN 3456RB	95		C250	1,2	18.4	208.4	57.6	0.7	99	8.7	4.3	57.6	20.5	175.2	56.1	0.4	99	18.3	232.8	58.0	0.0	99	16.5	217.3	58.7	1.7	99
CROPLAN 3824TS	96		C250	1,2,3	19.5	221.1	57.5	0.4	99	8.6	4.4	57.7	20.7	192.1	55.7	0.4	98	19.6	240.2	57.9	0.0	100	18.3	230.8	59.0	1.0	99
CROWS 1684T	92		C250	1,2,3	17.6	197.9	58.9	1.4	92	8.3	4.4	58.2	18.7	176.1	58.3	1.5	89	17.7	205.4	59.1	1.1	92	16.5	212.2	59.2	1.7	96
CROWS 1723VTRR2	95		C250	1,3	18.8	213.9	58.4	2.1	97	7.3	3.4	60.4	20.4	184.5	57.0	2.0	96	18.4	228.9	58.6	1.3	99	17.6	228.4	59.5	3.1	96
DAIRYLAND STEALTH-1891	91		P250		16.4	194.0	57.1	2.2	97	9.1	4.8	56.1	15.2	157.8	56.3	2.8	94	17.3	204.9	57.2	1.0	98	16.7	219.3	57.8	3.0	99
DAIRYLAND STEALTH-5194	94		P250	2	17.3	211.6	57.9	2.5	100	7.6	3.9	59.1	18.0	183.0	56.9	1.0	100	17.4	216.9	58.0	4.0	100	16.5	234.8	58.9	2.6	100
DAIRYLAND STEALTH-9196	96		P250	1,2,3	18.8	221.9	57.9	0.8	94	8.0	4.5	59.1	20.4	192.7	56.7	0.7	92	18.3	230.7	58.0	0.7	97	17.7	242.4	59.1	1.0	95
DEKALB DKC41-57 (RR2YGPL)	91		P250	1,2,3	17.4	205.6	59.0	0.7	98	7.9	4.0	58.4	18.2	170.4	57.8	1.3	97	17.6	223.7	59.1	0.7	98	16.3	222.6	60.1	0.0	99
DEKALB DKC42-95 (RR2YGOB)	92		P250	1,2	17.7	203.0	57.8	0.6	97	8.1	4.3	58.6	18.0	161.0	56.6	0.7	92	18.5	218.9	58.0	0.7	98	16.7	229.2	58.7	0.3	100
DEKALB DKC43-31 (RR2YGOB)	93		P250	1,2	17.9	212.3	57.5	1.3	98	7.8	3.7	59.6	19.4	179.0	56.5	0.7	98	17.5	222.5	57.9	1.3	98	16.8	235.2	58.3	2.0	99
DEKALB DKC45-82 (RR2)	95		P250	1	18.5	211.9	57.7	2.4	99	8.2	4.0	58.2	19.0	167.2	56.5	1.6	99	18.9	236.0	58.2	2.3	100	17.5	232.5	58.3	3.3	100
DEKALB DKC46-60 (VT3)	96		P250	1,2,3	19.3	219.9	57.5	0.9	98	7.6	3.9	59.5	21.4	195.9	56.2	0.3	100	18.9	229.3	57.6	1.3	98	17.6	234.5	58.7	1.0	97
DYNAGRO 53804	92		P250	1,2,3	17.5	207.5	58.5	1.2	98	8.4	4.0	58.6	17.7	177.3	57.5	0.4	95	18.1	222.9	58.6	1.0	100	16.6	222.3	59.5	2.3	100
DYNAGRO 53K69	95		P250	1	18.1	210.5	57.1	2.1	97	7.5	4.1	59.0	19.7	178.9	55.8	1.7	95	17.9	231.9	57.4	1.7	100	16.7	220.8	58.1	3.0	97
DYNAGRO 53P87	94		P250	1,2	18.6	203.8	58.2	1.1	92	8.3	4.9	57.3	19.9	172.9	56.8	0.8	87	18.5	215.0	58.6	1.1	97	17.2	223.4	59.4	1.5	91
GARST 8827CB/ILL/GT	96		C250	1,2,4	20.6	218.6	56.4	0.7	99	8.5	4.1	58.1	23.5	174.6	54.2	0.0	98	19.7	232.2	57.1	0.0	100	18.7	249.2	57.9	2.0	100
GARST 8860CB/ILL	95		C250	2,4	18.8	195.4	56.7	2.7	90	7.8	3.4	59.5	21.1	162.4	54.3	4.8	88	18.2	216.5	57.8	0.7	94	17.1	207.3	58.2	2.6	88
GARST 8921YG1/IRR	92		C250	1,2	17.7	204.9	58.1	2.4	97	8.4	4.1	58.5	18.5	170.8	57.4	0.7	96	18.0	233.0	58.7	1.0	99	16.6	210.8	58.2	5.4	98
GARST 8922YG1	90		C250	2	17.6	206.4	57.7	2.4	96	7.7	3.9	59.3	19.4	171.9	56.4	0.4	91	17.2	223.4	58.0	2.7	98	16.4	223.9	58.6	4.3	98
GREAT LAKES 4297G3	92		P250	1,2,3	18.1	213.0	58.4	0.5	100	8.0	3.9	58.6	19.5	182.0	57.1	0.0	100	18.1	224.3	58.8	0.7	100	16.8	232.8	59.3	1.0	100
GREAT LAKES 4415G3VT3	94		P250	1,2,3	18.5	221.0	58.2	0.7	98	8.0	4.1	59.1	19.8	206.2	56.8	0.7	98	18.0	225.7	58.7	1.3	100	17.7	231.0	59.1	0.0	97
GREAT LAKES 4569G3VT3	95		P250	1,2,3	19.7	224.8	56.3	1.1	95	7.4	4.4	59.5	22.4	187.4	53.6	0.0	93	18.6	249.5	57.4	0.4	98	18.1	237.5	57.9	2.9	94
GREAT LAKES 4689G3	96		P250	1,2,3	19.8	226.0	56.9	0.1	99	8.0	4.1	59.2	22.8	194.5	54.1	0.0	97	18.2	236.1	58.2	0.3	100	18.5	247.4	58.5	0.0	99
HYLAND SEEDS HLB282	92		P250	2	18.1	201.4	57.3	1.9	91	7.6	4.5	58.5	19.0	163.7	55.9	3.1	88	17.9	218.8	57.7	1.8	94	17.4	221.7	58.4	0.7	90
HYLAND SEEDS HLB286	92		P250	2	18.9	202.8	57.6	1.7	100	8.0	3.8	59.5	21.4	156.3	55.0	0.3	100	18.2	223.3	58.0	3.0	100	17.0	228.8	59.6	2.0	100
HYLAND SEEDS HLB38R	92		P250	1,2	19.0	209.6	56.9	0.8	93	8.3	4.0	58.6	21.5	172.8	55.0	0.8	89	18.4	225.7	57.8	1.0	96	17.3	230.3	58.0	0.7	94
HYLAND SEEDS HLCBR54	92		P250	1,2,3	18.7	201.0	57.0	1.4	89	8.2	4.2	58.8	21.2	169.1	55.3	0.4	89	17.7	213.6	57.8	1.4	93	17.2	220.4	58.0	2.4	86
HYLAND SEEDS HLR238	92		P250	1	18.8	200.4	57.0	0.8	92	8.7	4.5	57.7	21.2	171.4	55.1	0.0	91	18.1	221.5	57.9	0.0	91	17.2	208.2	58.0	2.5	94
INTEGRA SEED INT63F90RB	92		P250	1,2,11,13	17.6	194.1	58.6	2.0	90	8.0	4.0	58.7	18.1	150.0	57.4	2.4	88	18.0	224.0	59.1	0.7	96	16.6	208.4	59.3	2.8	86
INTEGRA SEED INT6698VT3	95		P250	1,2,3	18.3	215.7	56.8	1.2	98	8.2	4.1	58.5	20.1	198.6	55.3	0.0	98	17.8	225.5	57.8	1.6	100	17.0	222.9	57.4	2.0	96
INTEGRA SEED INT9381RB	98		P250	1,2	17.4	188.0	60.0	0.8	95	8.3	4.2	58.1	17.5	167.4	59.8	0.0	91	18.2	199.2	60.2	0.7	96	16.6	197.4	59.9	1.7	97
LEGACY 46M94	99		P250	2	22.4	198.4	56.1	1.4	87	8.9	3.6	58.2	26.5	174.8	52.3	0.8	84	21.6	222.7	57.1	0.4	91	19.1	197.9	59.1	3.0	87
MIDWEST 69203T	92		C250	1,2,3	17.4	205.9	59.7	1.0	93	8.4	4.5	57.6	18.1	177.7	59.9	0.4	92	17.5	219.7	59.2	1.4	96	16.5				

2007				EARLY - TRIAL AVERAGE				%QUALITY				HURON - EARLY				MASON - EARLY				MONTCALM - EARLY										
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				
NuTech 3T-098A VT3	95	P250	1,2,3	19.8	231.6	**	57.3	0.2	97	8.1	4.3	58.5	22.6	202.4	*	54.6	0.0	95	18.4	232.8	*	58.6	0.0	97	18.5	252.8	**	58.7	0.7	99
	93	P250	1,2,3	17.9	218.0		56.9	1.6	98	8.3	4.4	58.2	19.4	186.5		55.7	0.7	95	17.2	239.7		57.7	3.3	100	17.0	234.8		57.3	0.7	99
	95	P250	1,2,3,11,13	18.8	213.1		56.7	0.9	95	7.8	4.5	58.0	20.3	179.4		55.1	0.4	92	18.5	226.4		57.4	0.7	97	17.6	233.5		57.6	1.7	94
	95	P250	1,2,3,11	19.4	222.8		56.9	1.2	100	7.8	4.2	58.7	22.1	188.5		54.4	0.7	100	18.5	239.9	*	57.9	1.6	99	17.6	240.0	*	58.5	1.3	99
	95	P250	1,3	19.8	218.9		58.6	2.6	97	8.5	4.0	58.7	22.1	175.1		56.1	3.4	96	19.0	251.6	*	59.5	0.3	100	18.2	230.0		60.3	4.2	96
PIONEER 38M58	94	P250	1,2,4,11	18.5	202.2		58.7	3.2	99	7.7	4.0	58.5	20.1	158.5		56.7	6.4	99	18.5	222.4		59.3	1.3	99	16.9	225.6		60.0	2.0	99
	93	P250	1,2,3	18.1	208.0		58.3	1.8	98	7.9	4.0	58.8	18.8	177.4		57.1	0.7	96	18.4	228.1		58.8	0.7	100	17.1	218.5		58.9	4.0	99
	94	C1250	1,2,3	18.1	211.5		57.5	1.6	94	8.4	4.3	58.0	19.6	179.3		56.6	0.0	92	17.8	229.8		57.7	1.0	97	17.0	225.4		58.1	3.7	91
	91	C250	1	18.5	208.3		57.5	2.6	99	7.7	4.5	58.4	19.6	171.3		55.8	3.9	96	18.4	226.1		58.0	2.3	100	17.5	227.6		58.7	1.7	99
	93	C250		18.3	212.7		56.7	0.7	99	7.9	4.0	59.0	20.9	184.6		54.7	0.0	98	17.4	227.3		57.8	1.6	100	16.8	226.4		57.6	0.3	100
TRILAY 4N629	95	P250	1,2	19.5	227.5	*	55.7	1.0	95	8.6	4.1	57.8	22.1	189.9		53.1	0.0	88	18.7	251.8	**	56.7	2.7	99	17.8	240.9	*	57.3	0.4	97
	AVERAGE			18.6	208.7		57.5	1.4	97	8.2	4.1	58.6	20.0	174.4		55.9	1.1	95	18.4	225.6		58.0	1.1	98	17.3	226.1		58.6	1.8	97
	HIGHEST			22.4	231.6		60.0	3.2	100	9.1	4.9	60.5	26.5	206.2		59.9	6.4	100	21.6	251.8		60.2	4.0	100	19.5	252.8		60.3	5.4	100
	LOWEST			16.4	184.1		55.5	0.1	87	7.3	3.4	56.1	15.2	141.7		52.3	0.0	84	17.2	199.2		56.0	0.0	91	16.3	197.4		56.7	0.0	86
	CV (%)			3.3	5.1		1.0	140	3.0	4.0	6.9	1.2	4.5	6.3		1.4	188	4.0	2.6	4.1		0.7	129	3.0	2.0	5.0		0.9	115	4.0
LSD (5%)			0.5	8.5		0.5	1.5	3.0	0.5	0.4	1.0	1.2	15.4		1.1	2.9	6.0	0.7	12.7		0.6	2.0	3.0	0.5	15.9		0.8	2.9	5.0	

2 Year Averages 2007 - 2006

2 Year Averages 2007 - 2006																														
BRAND / HYBRID				TRIAL AVERAGE				%QUALITY				HURON - EARLY				MASON - EARLY				MONTCALM - EARLY										
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				
90		BAYSIDE 2090		18.7	187.9	58.9	2.0	95	9.3	3.9	58.2	18.0	155.2	59.2	3.6	95	20.4	203.9	58.4	1.0	95	17.8	204.6	59.3	1.3	97				
93		BAYSIDE 5072RR	1	20.3	198.1	55.9	3.8	98	7.9	3.6	60.5	21.3	172.1	54.7	7.1	99	20.8	202.3	56.1	1.8	97	18.8	219.9	56.8	2.5	99				
95		BAYSIDE 5518RR	1	21.1	199.2	56.0	2.8	96	8.4	3.7	59.7	22.0	173.5	54.9	3.9	95	21.9	205.4	56.1	2.3	97	19.5	218.8	57.1	2.1	96				
94		BAYSIDE 6094YGBRR	1,2	20.2	213.7	**	56.2	0.5	98	8.2	4.2	58.6	21.1	200.7	**	56.0	0.0	98	21.1	220.5	*	55.8	0.7	96	18.5	219.9	56.9	0.7	99	
93		BAYSIDE Super 93		20.3	194.9	55.8	3.9	94	8.4	4.0	59.3	21.2	175.1	54.8	6.8	94	20.7	201.7	56.0	1.8	93	19.0	207.8	56.7	3.1	96				
94	P250	DAIRYLAND STEAL TH-5194	2	19.3	211.2	*	57.4	1.8	99	7.5	4.1	59.2	19.6	196.0	*	57.5	1.2	98	20.5	212.3		56.4	2.5	99	17.9	225.3	*	58.3	1.6	100
95	P250	DEKALB DKC45-82 (RR2)	1	20.3	209.2	*	57.1	2.3	99	8.0	3.9	58.2	20.3	181.3	56.9	2.9	99	21.5	228.4	**	56.8	1.5	99	19.0	217.9		57.6	2.6	100	
92	C250	GARST 8921YG1/RR	1,2	19.6	205.0	57.5	2.1	99	7.9	4.1	58.8	20.0	185.3	57.5	1.2	98	20.9	219.2	*	56.8	1.3	100	18.1	210.4		58.2	3.7	99		
90	C250	GARST 8922YG1	2	19.4	209.0	*	57.4	1.6	97	7.5	3.9	59.2	20.2	189.8	57.3	0.7	95	20.0	214.0		56.7	1.8	98	17.9	223.4	*	58.2	2.2	99	
92	P250	HYLAND SEEDS HLB282	2	19.8	211.2	*	56.9	1.2	95	7.8	4.5	58.5	20.2	194.1	*	56.4	1.9	94	20.7	217.1		56.3	1.0	97	18.4	222.4		58.0	0.7	95
92	P250	INTEGRA SEED INT63F90RB	1,2,11,13	19.5	197.5	57.9	1.6	92	7.8	4.0	58.8	19.5	176.3	57.9	1.7	94	21.0	209.8	56.9	1.0	94	17.9	206.4	58.9	2.0	89				
88	P250	INTEGRA SEED INT9381RB	1,2	19.4	190.4	59.1	0.8	97	7.9	4.3	58.5	19.4	180.5	59.7	0.2	96	20.7	191.1	58.3	1.3	98	18.2	199.6	59.3	1.1	98				
92	C250	NK Brand N29-A2	2,4	19.6	205.7	*	57.1	1.6	94	8.7	4.3	57.1	20.0	183.0	56.6	0.7	96	20.3	209.6	56.9	2.5	89	18.7	224.5	*	57.7	1.8	96		
94	C250	NK Brand N34-F1	2,4	21.0	210.4	*	54.9	0.7	98	8.3	3.8	58.5	21.6	182.9	54.3	0.7	96	21.9	214.4	54.7	1.0	98	19.5	233.7	**	55.8	0.5	99		
93	P250	RENK RK438RRYGPL	1,2,3	19.8	208.9	*	57.6	1.7	98	8.0	4.1	58.7	19.9	194.4	*	57.5	0.7	98	21.2	217.2		56.8	1.1	98	18.3	215.2		58.5	3.3	98
AVERAGE				19.9	203.5	57.1	1.9	97	8.1	4.0	58.8	20.3	182.7	56.7	2.2	96	20.9	211.1	56.6	1.5	97	18.5	216.7	57.8	1.9	97				
HIGHEST				21.1	213.7	59.1	3.9	99	9.3	4.5	60.5	22.0	200.7	59.7	7.1	99	21.9	228.4	58.4	2.5	100	19.5	233.7	59.3	3.7	100				
LOWEST				18.7	187.9	54.9	0.5	92	7.5	3.6	57.1	18.0	155.2	54.3	0.0	94	20.0	191.1	54.7	0.7	89	17.8	199.6	55.8	0.5	89				
CV (%)				3.0	5.1	1.1	141	4.0	4.0	7.0	1.2	3.5	5.8		1.2	144	4.0	3.1	4.7	1.0	178	4.0	2.4	4.8	0.8	99	4.0			
LSD (5%)				0.5	8.6	0.5	1.7	3.0	0.3	0.3	0.7	0.7	10.2	0.7	2.1	4.0	0.6	10.1	0.6	2.1	4.0	0.4	10.6	0.5	1.8	4.0				

3 Year Averages 2007 - 2005

3 Year Averages 2007 - 2005				TRIAL AVERAGE				%QUALITY				HURON - EARLY				MASON - EARLY				MONTCALM - EARLY							
BRAND / HYBRID		RM	TRT	%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil	Strch	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
BAYSIDE 5072RR		93		19.6	199.7	56.3	3.6	98	7.9	3.8	60.3	19.2	170.6	55.9	6.8	99	20.0	207.8	56.4	1.5	97	19.7	220.7	56.7	2.5	97	
BAYSIDE 5518RR		95		20.4	198.8	56.5	2.6	93	8.5	3.6	59.5	19.9	173.5	56.1	4.0	95	21.0	207.0	56.6	1.7	93	20.4	216.0	56.8	2.1	92	
BAYSIDE Super 93		93		19.7	199.1	56.3	3.5	95	8.2	3.9	59.4	19.4	175.7	56.1	6.9	95	20.1	208.9	56.2	1.2	95	19.7	212.8	56.6	2.5	97	
GARST 8921YG1/RR		92	C250	1,2	19.2	206.1	58.1	2.4	98	7.9	4.1	58.7	18.7	183.6	* 58.4	3.0	98	20.1	217.1	* 57.4	1.1	98	18.8	217.6	58.5	3.2	97
GARST 8922YG1		90	C250	2	18.7	211.4	* 57.9	1.8	98	7.5	3.9	59.2	18.6	188.9	** 58.2	2.3	96	19.1	215.9	* 57.3	1.4	98	18.5	229.4	* 58.3	1.8	99
NK Brand N29-A2		92	C250	2,4	19.0	207.8	57.6	1.7	94	8.6	4.3	57.2	18.5	184.1	* 57.9	2.3	96	19.6	211.4	* 57.2	1.6	91	19.1	227.8	57.7	1.2	95
NK Brand N34-F1		94	C250	2,4	20.2	215.0	** 55.5	1.6	99	8.3	3.9	58.5	19.8	188.1	* 55.4	3.4	97	20.9	219.4	** 55.3	0.9	99	20.0	237.4	** 55.7	0.7	99
AVERAGE				19.6	206.4	57.0	2.3	96	8.1	3.9	59.0	19.1	180.7	56.9	4.1	97	20.1	212.5	56.6	1.3	96	19.4	223.1	57.2	2.0	97	
HIGHEST				20.4	215.0	58.1	3.5	99	8.6	4.3	60.3	19.9	188.9	58.4	6.9	99	21.0	219.4	57.4	1.7	99	20.4	237.4	58.5	3.2	99	
LOWEST				18.7	198.8	55.5	1.6	93	7.5	3.6	57.2	18.5	170.6	55.4	2.3	95	19.1	207.0	55.3	0.9	91	18.5	212.8	55.7	0.7	92	
CV (%)				3.2	5.5	1.3	200	4.0	4.0	6.9	1.2	3.3	5.6	1.5	17.9	4.0	3.4	5.3	1.1	260	5.0	2.4	5.1	0.8	115	4.0	
LSD (5%)				0.4	6.9	0.4	1.9	3.0	0.3	0.2	0.5	0.5	8.1	0.7	2.7	3.0	0.5	9.4	0.5	2.4	4.0	0.4	9.2	0.4	1.6	3.0	

TABLE 3L. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - LATE (97 Day and Later)

ZONE 3

2007				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			22.5	199.4	55.6	0.9	99	9.5	4.2	58.1	23.6	172.3	52.5	0.6	100	23.9	210.3	55.9	0.0	100	19.9	215.6	58.3	2.0	98
BAYSIDE 2103	103			23.3	203.3	54.7	1.2	98	8.7	3.9	58.5	24.7	161.2	52.2	1.0	95	23.8	232.2	55.5	0.7	100	21.4	216.7	56.3	2.0	100
BAYSIDE 2103YGCBBR	103		1,2	24.2	205.5	54.6	2.0	99	8.7	3.7	58.8	25.7	161.4	51.8	0.0	99	24.6	231.1	55.5	3.3	100	22.4	224.0	56.4	2.7	98
BAYSIDE 8100HXR	100		1,2	22.3	209.4	56.0	2.1	94	8.6	3.7	59.4	25.5	180.0	52.3	0.0	92	22.0	225.6	57.1	4.5	95	19.6	222.5	58.6	1.8	95
CROPLAN 388RRIB	98	C250	1,2	19.6	217.4	55.6	0.9	96	8.7	4.4	57.5	21.0	182.6	53.6	0.0	95	19.7	237.5	56.5	2.0	98	18.1	232.2	56.9	0.7	94
CROPLAN 5403XX	103	C250	2,3,4	24.4	212.4	54.8	0.8	96	8.9	3.7	58.8	28.2	177.0	52.0	0.0	91	24.1	228.3	55.5	0.7	100	20.9	231.8	56.9	1.7	97
CROWS 1807VT3	97	C250	1,2,3	20.1	220.2	57.3	0.2	97	8.3	4.3	58.3	21.9	192.3	54.4	0.0	95	20.1	232.7	58.6	0.3	100	18.5	235.7	59.0	0.3	95
CROWS 2117T	100	C250	1,2,3	19.6	203.6	57.8	1.0	99	8.1	4.1	58.9	20.6	167.1	56.1	0.0	100	20.2	228.2	58.3	2.3	100	18.1	215.5	59.1	0.7	98
CROWS 3848VT3	105	C250	1,2,3	24.2	227.0	56.2	0.7	99	8.6	3.8	59.1	25.3	199.4	53.8	0.7	97	24.2	240.8	57.0	0.0	100	23.1	240.8	57.9	1.3	100
DAIRYLAND STEALTH-7201	101	P250	1,2	21.1	200.8	52.4	1.6	99	8.4	4.2	58.7	23.8	150.5	53.8	1.0	98	20.7	231.9	57.5	3.3	100	18.8	220.0	45.9	0.3	100
DAIRYLAND STEALTH-9799	99	P250	1,2,3	20.4	224.7	57.1	0.8	99	8.1	4.1	58.6	22.6	193.0	54.1	0.4	98	20.1	236.2	58.5	0.7	100	18.7	245.0	58.6	1.3	98
DEKALB DKC48-46 (RR2/YGPL)	98	P250	1,2,3	19.4	212.1	57.0	0.8	98	8.4	3.9	58.7	21.0	181.1	55.1	0.7	100	19.8	223.9	57.3	0.0	97	17.5	231.3	58.8	1.7	98
DEKALB DKC49-35 (RR2)	99	P250	1	19.7	209.2	56.4	1.3	95	8.9	3.9	58.1	20.4	168.8	55.2	0.7	89	20.0	239.2	57.0	0.7	98	18.8	219.7	57.0	2.4	97
DEKALB DKC50-48 (RR2/YGCB)	100	P250	1,2	22.1	226.0	55.2	0.7	100	8.1	3.7	58.8	23.7	178.6	52.2	0.6	99	21.9	246.1	56.6	0.3	100	20.7	253.4	56.9	1.0	100
DEKALB DKC51-39 (RR2/YGPL)	101	P250	1,2,3	20.4	222.3	56.6	0.7	100	8.2	4.0	59.2	22.3	189.5	54.8	0.7	99	20.5	232.7	57.0	0.3	100	18.4	244.7	58.1	1.0	100
DEKALB DKC52-40 (RR2/YGPL)	102	P250	1,2,3	19.9	222.4	57.1	0.2	99	8.5	4.1	58.6	21.2	192.1	55.7	0.0	96	19.9	237.9	57.4	0.3	100	18.5	237.2	58.1	0.3	100
DEKALB DKC52-63 (RR2/YGCB)	102	P250	1,2	21.9	226.1	55.8	0.8	94	8.6	3.6	58.8	24.7	187.1	52.5	0.0	92	21.0	246.1	57.5	0.0	98	20.0	244.9	57.5	2.5	91
DYNAGRO 53F09	95	P250	2	18.7	209.3	57.3	0.5	94	7.8	4.0	58.7	18.7	180.4	56.0	0.0	90	19.6	214.5	57.7	1.4	97	17.9	232.9	58.3	0.0	95
DYNAGRO 54K35	98	P250	1	20.6	217.2	57.2	1.8	98	7.8	4.0	59.5	22.6	169.3	54.7	2.4	97	20.7	236.9	57.9	0.7	99	18.6	245.3	58.8	2.3	99
DYNAGRO 54P55	97	P250	1,2	18.9	201.6	57.2	0.6	96	8.4	3.9	58.8	19.5	170.6	56.0	0.0	92	19.4	226.2	57.6	0.7	100	17.8	208.1	57.9	1.0	96
DYNAGRO 54T42	100	P250	1,2,3,4	22.3	214.4	55.8	1.9	96	8.5	3.4	60.4	25.7	190.0	51.7	0.3	93	21.7	231.0	57.5	1.7	98	19.6	222.2	58.3	3.7	97
DYNAGRO 55B49	105	P250	1,2,3	23.5	218.1	55.8	0.8	99	9.1	3.7	58.4	25.5	179.0	52.4	0.0	98	24.3	231.1	56.6	0.7	100	20.6	244.2	58.3	1.7	98
DYNAGRO 55K46	103	P250	1	21.6	218.0	54.7	1.6	96	8.1	4.1	58.3	22.7	172.7	52.8	0.7	94	21.4	243.1	55.8	2.7	98	20.9	238.4	55.5	1.4	96
DYNAGRO 55V18	98	P250	1,2,3	20.3	216.4	58.4	0.6	99	8.3	3.9	59.2	22.1	176.5	55.8	0.3	100	20.2	237.5	59.3	0.7	100	18.6	235.3	60.0	0.7	96
FIELDERS CHOICE NG6490	97	P250	1,2,3	18.8	208.0	57.6	1.0	91	8.7	4.0	57.5	18.5	180.3	57.1	0.4	87	19.3	218.9	57.7	1.1	94	18.7	225.0	58.1	1.5	91
FIELDERS CHOICE NG6510	98	P250	1,2,3	20.1	221.8	57.4	1.4	99	8.7	4.3	58.1	21.8	178.8	55.0	0.0	99	19.8	236.2	58.6	0.4	99	18.9	250.4	58.6	4.0	99
FIELDERS CHOICE NG6580	102	P250	1,2	21.5	214.2	56.9	1.2	95	8.1	3.8	59.5	23.2	176.8	53.7	0.7	94	21.6	243.2	57.9	0.7	95	19.7	222.7	59.1	2.3	96
FIELDERS CHOICE NG6886	107	P250	1,2,3	24.4	225.8	56.1	0.4	99	8.4	3.5	59.9	26.7	183.9	53.3	0.3	97	23.4	245.3	57.1	0.3	100	23.1	248.1	57.9	0.7	99
GARST 8792CB/LL	99	C250	2,4	21.0	208.1	55.6	1.9	99	8.4	3.8	58.8	24.1	175.2	52.9	0.6	99	19.9	225.5	56.6	2.0	100	19.2	223.7	57.2	3.0	99
GREAT LAKES 5416RWRR	104	P250	1,3	24.2	222.9	54.2	0.9	98	9.3	3.9	57.9	25.5	183.4	52.2	2.1	97	24.4	261.9	55.0	0.0	100	22.7	223.4	55.6	0.7	98
HYLAND SEEDS HLB43R	97	P250	1,2	20.5	196.2	56.8	1.0	92	9.1	3.5	59.5	21.1	149.6	55.3	0.0	84	21.5	226.1	57.1	0.3	95	18.8	213.0	58.2	2.7	95
HYLAND SEEDS HLB52R	101	P250	1,2	24.1	207.2	54.9	0.9	95	8.7	3.9	58.3	25.1	158.1	52.6	0.0	92	24.5	231.8	55.4	1.3	97	22.8	231.7	58.6	1.4	95
HYLAND SEEDS HLCBR84	101	P250	1,2,3	24.4	205.4	54.5	1.4	96	8.7	4.0	58.5	26.3	161.8	51.7	0.0	94	24.5	225.8	55.5	1.4	95	22.5	228.4	56.3	2.6	98
INTEGRA SEED INT9480VT3	98	P250	1,2,3	20.4	211.7	58.5	0.8	96	8.5	4.0	58.6	21.8	176.7	56.5	0.3	97	20.5	236.6	59.3	0.3	97	19.0	221.8	59.8	1.8	94
LEGACY 45A19	100	P250	1,2	21.6	207.9	56.8	3.9	100	8.3	3.5	60.4	24.8	174.2	53.0	0.3	99	20.9	217.5	58.4	7.3	100	19.3	232.0	59.0	4.3	100
MIDWEST 6970AVT3	97	C250	1,2,3	20.1	226.8	57.2	0.7	96	8.5	3.9	58.3	21.9	190.3	54.6	0.3	94	19.7	239.8	58.5	0.4	97	18.7	250.3	58.6	1.4	96
MIDWEST 70103T	100	C250	1,2,3	20.0	203.5	57.6	0.7	98	8.0	3.9	58.5	21.3	166.6	55.2	0.7	97	20.5	225.6	58.4	1.0	99	18.0	218.2	59.2	0.4	99
MIDWEST 70503S	101	C250	1,2,3	21.6	218.2	57.1	0.6	89	7.9	3.4	60.3	23.5	181.6	53.5	0.0	80	21.4	250.0	58.2	1.4	94	19.9	223.1	59.5	0.4	91
MIDWEST 76126VT3	105	C250	1,2,3	24.3	232.9	56.3	0.3	99	7.9	3.7	60.0	26.2	202.1	53.4	0.3	97	23.9	243.7	57.5	0.0	100	22.8	252.9	57.9	0.7	100
NK Brand N43-C4	98	C250	2,4	19.9	205.5	55.3	0.8	97	9.3	4.6	55.9	21.2	174.7	53.4	0.7	97	20.5	225.1	56.1	0.3	99	17.8	216.8	56.5	1.5	94
NK Brand N45-A5	101	C250	2,3	20.6	215.4	54.6	0.7	99	8.4	4.6	56.7	22.0	175.9	52.0	0.0	100	20.9	237.5	55.7	0.3	97	19.0	232.8	56.3	1.6	100
NK Brand N48-R3	103	C250																								

2007

2007			LATE - TRIAL AVERAGE				%QUALITY			HURON - LATE				MASON - LATE				MONTCALM - LATE													
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				
PIONEER 36K69		103	P250	1,2,4,11,13	23.0	235.1	**	55.3	0.3	99	9.2	3.7	57.7	26.1	200.2	*	51.4	0.3	99	22.3	262.9	**	56.9	0.3	100	20.8	242.1	*	57.8	0.3	99
PIONEER 37D26		98	P250	1,2,4,11	19.7	211.2		57.2	0.4	96	8.6	3.8	57.9	19.5	169.7		57.2	0.7	96	20.7	248.8	*	56.4	0.0	100	18.9	215.3		58.0	0.7	93
PIONEER 37F76		100	P250	1,2,3,4,11,12	21.2	201.6		57.2	1.0	98	9.2	4.0	57.4	22.5	166.3		55.6	0.3	100	22.5	223.3		57.3	0.3	97	18.7	215.2		58.8	2.4	98
PIONEER 37Y14		98	P250	1,2,3,4,11	20.3	210.5		57.3	1.1	99	8.4	3.9	58.8	21.1	177.3		56.0	0.3	100	20.9	232.4		57.6	0.0	100	18.9	221.8		58.3	3.1	98
RENK RK488RRYGPL		97	P250	1,2,3	19.2	203.5		57.9	0.8	94	8.2	4.1	57.8	19.3	178.3		56.8	0.0	92	20.1	209.6		58.0	0.7	99	18.2	222.7		59.0	1.8	92
RENK RK570YGV3		97	P250	1,2,3	19.1	199.1		56.4	0.9	91	8.1	3.8	58.5	20.3	171.4		55.3	0.4	82	19.3	216.2		56.8	1.0	96	17.7	209.7		57.2	1.4	93
RENK RK618YGV3		100	P250	1,2,3	20.5	214.9		58.3	1.1	99	8.4	3.9	58.9	21.9	172.6		56.4	0.4	99	20.4	231.5		59.2	1.0	100	19.2	240.8	*	59.4	2.0	98
RENK RK670RRYGPL		103	P250	1,2,3	21.9	214.9		55.4	0.1	97	8.9	3.9	58.3	24.1	184.8		52.2	0.0	95	22.0	237.9		56.8	0.4	98	19.7	221.9		57.1	0.0	99
RENK RK772RRYGPL		104	P250	1,2,3	20.3	196.9		55.4	0.9	92	8.6	4.6	57.2	22.2	170.2		52.6	0.4	85	20.3	208.9		56.5	0.7	94	18.3	211.6		57.2	1.7	95
RUPP 8XP75		100	C1250	1,2	23.1	215.3		55.8	2.7	97	8.2	3.4	59.9	27.4	177.8		51.4	0.4	94	21.8	234.7		57.5	3.6	100	20.1	233.4		58.6	4.1	98
RUPP XR1609		101	C1250		24.7	197.6		54.0	0.7	98	7.9	3.6	60.3	26.2	155.8		50.4	0.0	98	25.0	205.5		55.2	0.3	97	22.8	231.6		56.5	1.7	98
RUPP XR8626		100	C1250	2	22.6	220.1		56.8	1.0	100	8.7	3.7	58.9	25.5	184.3		53.6	0.0	99	22.0	244.8		58.1	1.6	100	20.3	231.2		58.9	1.3	100
TRELAY 47T22		97	P250	1,2,3	20.8	215.4		56.6	0.5	97	8.1	4.1	58.8	23.7	172.7		52.9	0.0	99	19.5	228.6		58.4	0.3	98	19.1	245.1	*	58.4	1.1	94
AVERAGE					21.4	213.0		56.2	1.0	97	8.5	3.9	58.6	23.2	176.4		53.7	0.4	95	21.5	232.9		57.1	1.0	98	19.6	229.8		57.7	1.5	97
HIGHEST					24.7	235.1		58.7	3.9	100	9.6	4.6	60.4	28.2	202.1		57.2	2.4	100	25.0	262.9		59.6	7.3	100	23.1	253.4		60.0	4.3	100
LOWEST					18.7	196.2		52.4	0.1	89	7.8	3.4	55.9	18.5	149.6		50.4	0.0	80	19.3	205.5		53.7	0.0	93	17.5	208.1		45.9	0.0	90
CV (%)					3.8	5.6		3.5	144	4.0	2.9	6.5	1.0	4.8	6.2	1.7	187	4.0	2.5	5.2	0.8	132	3.0	2.8	5.6	5.6	124		4.0		
LSD (5%)					0.7	9.6		1.6	1.1	3.0	0.3	0.3	0.7	1.6	15.2		1.2	1.0	5.0	0.8	17.0		0.6	1.8	4.0	0.8	17.8		4.5	2.7	5.0

2 Year Averages 2007 - 2006

2 Year Averages 2007 - 2006				LATE - TRIAL AVERAGE				%QUALITY				HURON - LATE				MASON - LATE				MONTCALM - LATE						
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 1700	100			23.2	200.2	54.9	1.3	98	9.1	4.2	58.4	23.5	178.7	53.2	2.1	99	24.9	205.5	54.9	0.6	97	21.2	216.4	56.7	1.4	98
BAYSIDE 2103	103			24.2	210.8	54.0	2.9	97	8.4	3.8	59.0	24.8	182.4	52.6	3.8	97	25.6	230.8 *	54.1	0.7	97	22.2	219.1	55.3	4.3	98
BAYSIDE 2103YGC8RR	103		1,2	25.0	212.1	53.9	2.8	99	8.4	3.6	59.2	25.8	190.5	52.3	1.6	99	26.1	226.4	54.3	4.8	100	23.1	219.3	55.2	1.9	99
DAIRYLAND STEALTH-7201	101	P250	1,2	22.3	212.0	53.8	1.5	100	8.1	4.1	59.0	23.6	186.7	54.5	0.9	99	22.8	225.5	55.9	2.9	100	20.5	223.8	51.1	0.9	100
DEKALB DKC51-39 (RR2YGPL)	101	P250	1,2,3	21.9	218.4	56.2	1.3	100	8.0	3.9	59.5	22.2	201.4 *	56.0	0.5	99	23.6	225.0	55.2	1.8	100	20.0	228.9 *	57.5	1.5	100
DEKALB DKC52-40 (RR2YGPL)	102	P250	1,2,3	21.7	229.3 **	55.8	0.5	98	8.2	4.1	59.1	22.2	209.8 **	55.4	0.0	98	23.0	237.5 *	55.2	1.1	96	19.9	240.6 *	57.0	0.5	99
DEKALB DKC52-63 (RR2YGC8B)	102	P250	1,2	23.4	229.2 *	54.8	1.1	94	8.2	3.8	58.8	24.8	208.8 *	53.1	0.4	93	24.5	237.8 *	54.8	1.0	94	21.0	240.9 **	56.7	1.9	95
HYLAND SEEDS HLB43R	97	P250	1,2	21.8	201.7	55.9	1.3	92	8.8	3.6	59.2	22.1	180.0	55.0	0.2	88	23.2	212.4	55.5	1.3	93	20.0	212.6	57.1	2.5	96
HYLAND SEEDS HLB52R	101	P250	1,2	25.1	210.6	54.0	1.8	96	8.5	3.8	58.9	25.7	182.9	52.6	1.4	96	26.1	230.8 *	54.1	2.6	98	23.4	218.1	55.2	1.3	95
PIONEER 37D26	98	P250	1,2,4,11	21.7	214.9	55.7	0.9	97	8.5	3.7	58.3	21.0	192.0	56.1	1.2	97	23.3	232.6 *	54.6	0.5	98	20.7	219.9	56.3	0.9	97
RUPP XR1609	101	C1250		25.6	204.8	53.3	2.2	99	7.6	3.5	60.6	26.4	179.9	51.2	3.7	99	26.8	203.6	53.7	1.0	99	23.7	230.9 *	54.9	1.9	99
RUPP XR8626	100	C1250	2	23.4	220.7 *	55.8	1.1	99	8.2	3.8	59.1	24.4	198.0	54.7	1.2	100	24.0	239.6 **	55.8	0.8	100	21.8	224.4	57.0	1.4	99
AVERAGE				23.3	213.7	54.8	1.6	97	8.3	3.8	59.1	23.9	190.9	53.9	1.4	97	24.5	225.6	54.8	1.6	97	21.4	224.6	55.8	1.7	98
HIGHEST				25.6	229.3	56.2	2.9	100	9.1	4.2	60.6	26.4	209.8	56.1	3.8	100	26.8	239.6	55.9	4.8	100	23.7	240.9	57.5	4.3	100
LOWEST				21.7	200.2	53.3	0.5	92	7.6	3.5	58.3	21.0	178.7	51.2	0.0	88	22.8	203.6	53.7	0.5	93	19.9	212.6	51.1	0.5	95
CV (%)				3.4	5.8	2.1	161	4.1	3.8	6.7	1.1	3.9	6.0	1.7	184	3.9	2.9	5.6	0.8	143	4.1	3.1	5.7	4.1	131	3.7
LSD (5%)				0.6	10.0	0.9	1.5	3.2	0.3	0.2	0.6	0.9	10.7	0.9	1.3	3.7	0.6	12.6	0.5	1.7	3.9	0.6	12.8	2.3	2.1	3.5

3 Year Averages 2007 - 2005

3 Year Averages 2007 - 2005				LATE - TRIAL AVERAGE				%QUALITY				HURON - LATE				MASON - LATE				MONTCALM - LATE							
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 1700		100			22.1	199.0	55.7	1.5	98	9.1	4.1	58.4	21.0	173.7 *	55.2	2.2	99	23.6	207.8	55.6	0.8	98	21.8	215.6	56.5	1.5	96
BAYSIDE 2103		103			23.1	211.1 **	54.6	3.9	96	8.3	3.7	59.1	22.2	181.7 **	54.5	4.1	98	24.4	233.0 **	54.2	0.9	96	22.8	218.6	55.2	6.6	96
RUPP XR1609		101	C1250		24.3	205.8 *	54.2	2.0	99	7.6	3.4	60.6	23.4	178.1 *	53.6	2.9	99	25.4	205.4	54.0	0.8	99	23.9	234.0 **	55.0	2.2	98
AVERAGE					23.2	205.3	54.9	2.5	98	8.3	3.7	59.4	22.2	177.8	54.4	3.1	99	24.5	215.4	54.6	0.8	97	22.8	222.7	55.6	3.4	97
HIGHEST					24.3	211.1	55.7	3.9	99	9.1	4.1	60.6	23.4	181.7	55.2	4.1	99	25.4	233.0	55.6	0.9	99	23.9	234.0	56.5	6.6	98
LOWEST					22.1	199.0	54.2	1.5	96	7.6	3.4	58.4	21.0	173.7	53.6	2.2	98	23.6	205.4	54.0	0.8	96	21.8	215.6	55.0	1.5	96
CV (%)					4.2	6.0	2.1	207	3.8	3.7	6.7	1.1	4.3	6.5	1.6	318	3.6	3.3	5.7	1.0	128	4.1	3.1	5.6	3.4	155	3.8
LSD (5%)					0.5	7.6	0.7	1.5	2.2	0.2	0.2	0.5	0.8	9.4	0.7	2.1	2.8	0.6	10.5	0.5	1.2	3.2	0.5	10.3	1.6	2.2	3.0

TABLE 4.

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

ZONE 4

- No published results for Grand Traverse and Menominee Counties.

TRAIT CODES FOR HYBRID TRAITS

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

2007				ALPENA				%QUALITY			
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Strch
BAYSIDE 1541RR	81		1	25.6	129.0	51.3	0.4	99	8.8	3.9	59.3
BAYSIDE 1582YGCRR	82		1,2	24.1	130.5	47.8	1.5	89	8.6	4.3	58.2
BAYSIDE 2681RR	81		1	22.5	117.2	48.1	1.9	93	7.8	3.9	58.9
BAYSIDE 2701	87			24.7	133.4	51.1	3.2	97	7.4	4.5	59.1
BAYSIDE 2784YGCRR	84		1,2	28.8	159.4 *	48.8	0.4	99	8.2	3.1	59.7
BAYSIDE 3731RR	86		1	26.2	121.6	49.6	1.1	99	7.5	3.5	60.0
BAYSIDE 7092YGPLRR	92		1,2,3	28.9	138.0	49.3	0.7	100	8.0	4.2	59.0
BAYSIDE Super 75	75			21.9	104.9	53.1	2.4	99	8.4	3.3	59.2
BAYSIDE Super 80	80			22.4	120.2	50.6	1.9	100	8.0	3.5	59.6
CROPLAN 2801RB	89	C250	1,2	28.1	147.3	48.8	1.0	98	8.3	3.6	59.0
CROPLAN 2905RB	89	C250	1,2	29.0	150.7	48.2	0.3	97	7.7	3.6	59.5
CROPLAN 314TS	92	C250	1,2,3	29.2	152.4 *	49.2	0.0	97	8.0	3.4	59.8
CROPLAN 3456RB	95	C250	1,2	27.5	150.0	49.9	0.3	91	8.4	3.6	59.5
CROWS 1684T	92	C250	1,2,3	27.5	143.9	49.0	2.6	96	8.6	4.5	57.4
CROWS 1723VTRR2	95	C250	1,3	21.6	116.6	48.4	3.8	96	8.3	3.8	58.6
DAIRYLAND STEALTH-1891	91	P250		22.2	121.2	51.0	2.1	99	7.9	4.0	58.3
DAIRYLAND STEALTH-7685	85	P250	1,2	24.8	134.3	50.3	1.9	99	7.5	3.4	60.4
DEKALB DKC38-33 (RR2/YGCB)	88	P250	1,2	26.4	128.2	49.9	0.8	97	7.9	3.9	58.8
DEKALB DKC38-92 (RR2)	88	P250	1	29.8	161.5 *	48.3	0.1	99	8.4	4.2	58.0
DEKALB DKC41-57(RR2/YGPL)	91	P250	1,2,3	27.7	133.4	49.4	1.5	94	8.4	4.4	58.0
DEKALB DKC42-95 (RR2/YGCB)	92	P250	1,2	27.2	139.9	47.5	0.4	95	7.0	3.5	60.4
DEKALB DKC43-31 (RR2/YGCB)	93	P250	1,2	29.7	158.1 *	48.7	0.3	99	8.4	4.4	57.6
DYNAGRO 52P81	88	P250	1,2	29.5	137.5	50.4	0.7	92	8.1	4.2	57.8
DYNAGRO 53B04	92	P250	1,2,3	25.7	135.9	50.4	0.1	94	8.0	3.8	58.9
DYNAGRO 53F09	95	P250	2	29.3	139.9	47.2	0.7	94	7.6	3.6	59.7
GARST 8921YG1/RR	92	C250	1,2	30.3	149.0	48.8	0.4	97	8.0	3.9	59.1
GREAT LAKES 3663G3	86	P250	1,2,3	26.4	132.3	49.7	2.8	94	8.7	4.6	57.6
GREAT LAKES 4041	90	P250		29.4	142.8	48.1	0.1	99	7.1	3.6	60.0
GREAT LAKES 4297G3	92	P250	1,2,3	31.4	146.5	48.3	0.0	87	7.9	3.9	58.5
HYLAND SEEDS HLB286	92	P250	2	31.8	143.4	48.3	1.8	93	7.6	4.4	59.3
HYLAND SEEDS HLB38R	92	P250	1,2	32.3	141.2	48.1	0.0	90	7.0	3.7	60.3
HYLAND SEEDS HLCBR54	92	P250	1,2,3	26.7	148.1	49.9	1.0	96	7.5	3.9	59.4
HYLAND SEEDS HLR238	92	P250	1	32.4	141.5	49.0	0.3	100	7.6	4.2	59.6
INTEGRA SEED INT9381RB	88	P250	1,2	26.4	136.9	50.3	0.4	99	8.1	4.5	58.1
MIDWEST 69203T	92	C250	1,2,3	26.6	133.7	51.8	1.7	95	8.2	3.8	59.0
MYCOGEN 2J272	88	C250	1,2	22.4	117.1	52.7	9.2	99	7.5	3.8	59.3
MYCOGEN 2K154	83	C250	1,2,4	22.9	122.4	48.9	1.1	96	8.3	4.3	58.4
NK Brand N27-B5	91	C250	2,4	26.7	118.8	47.8	1.4	98	7.9	4.0	58.8
NK Brand N29-A5	92	C250	2,3	26.6	138.4	50.3	2.7	98	7.4	4.1	59.5
NuTech 1B-186 CB/LL	86	C250	2,4	29.0	149.8	48.7	0.3	93	7.9	3.7	59.1
NuTech 3A-093 RR	93	P250	1	31.9	163.3 **	47.5	0.6	95	9.2	4.0	56.2
NuTech 3A-391 RR	91	P250	1	29.3	144.6	48.6	0.3	97	8.3	3.8	58.9
NuTech 3P-191 RRY/GPL	91	C250	1,2,3,11,13	27.2	130.8	49.3	2.4	86	8.4	3.8	59.0
NuTech 3P-494 RRY/GPL	94	P250	1,2,3	26.3	133.9	49.5	1.5	100	8.5	4.2	57.6
NuTech 3T-393 VT3	93	P250	1,2,3	31.1	142.9	47.4	0.4	92	8.7	4.4	57.2

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

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

2007 BRAND / HYBRID	RM	TRT	TRAIT	ALPENA				%QUALITY		
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil Strch
NuTech 3W-484 RR/YGRW	84	P250	1,3	22.8	106.0	50.1	0.9	94	8.0	3.9 59.1
PIONEER 38M58	94	P250	1,2,4,11	23.7	135.1	48.7	0.8	99	8.3	4.0 59.2
PIONEER 38N87	93	P250	1,2,4	23.1	116.5	50.3	1.0	98	8.1	3.8 58.5
PIONEER 39B79	88	P250	1,2,4	20.9	111.7	54.7	0.2	99	7.8	4.3 58.7
PIONEER 39K19	83	P250	1,2,4	20.5	113.4	50.5	1.4	93	8.5	3.6 58.9
RENK RK264LLYGCB	85	P250	2,4	21.2	133.8	50.4	1.1	92	7.0	3.8 59.8
RENK RK268RRYGRW	85	P250	1,3	22.1	123.6	51.6	1.2	94	8.6	3.7 59.1
RENK RK288RRYGPL	86	P250	1,2,3	22.2	127.1	49.4	3.1	95	7.7	4.2 59.1
RENK RK438YGCB	93	P250	2	28.6	157.5 *	48.1	1.0	98	8.2	3.8 59.1
AVERAGE				26.5	135.3	49.5	1.3	96	8.0	3.9 58.9
HIGHEST				32.4	163.3	54.7	9.2	100	9.2	4.6 60.4
LOWEST				20.5	104.9	47.2	0.0	86	7.0	3.1 56.2
CV (%)				6.6	6.6	1.1	122	4.2	3.9	6.4 1.2
LSD (5%)				2.4	12.5	0.8	2.2	11.2	0.4	0.3 0.8

2 Year Averages 2007 - 2006										
BRAND / HYBRID	RM	TRT	TRAIT	ALPENA				%QUALITY		
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil Strch
BAYSIDE 1541RR	81		1	26.6	159.5	52.0	0.7	97	8.7	3.3 58.7
BAYSIDE 3731RR	86		1	26.6	153.3	50.9	1.5	98	8.6	3.6 58.5
BAYSIDE Super 80	80			23.8	152.1	51.3	1.5	99	8.4	4.5 57.5
DEKALB DKC38-33 (RR2YGCB)	88	P250	1,2	26.3	162.6	51.4	0.4	97	8.2	3.6 59.0
DYNAGRO 53F09	95	P250	2	29.9	177.0 *	48.6	0.4	93	7.8	4.3 58.5
GARST 8921YG1/RR	92	C250	1,2	30.1	181.2 **	49.9	0.4	98	8.3	4.1 58.5
INTEGRA SEED INT9381RB	88	P250	1,2	28.9	171.6	51.6	0.3	96	8.2	3.7 58.6
AVERAGE				27.5	165.4	50.8	0.7	97	8.3	3.9 58.5
HIGHEST				30.1	181.2	52.0	1.5	99	8.7	4.5 59.0
LOWEST				23.8	152.1	48.6	0.3	93	7.8	3.3 57.5
CV (%)				4.9	6.4	1.2	116	4.0	4.2	6.6 1.2
LSD (5%)				1.3	9.0	0.6	1.4	4.0	0.3	0.2 0.6

3 Year Averages 2007 - 2005										
BRAND / HYBRID	RM	TRT	TRAIT	ALPENA				%QUALITY		
				%H2O	BUJA	Twt	%SL	%Sd	Prot	Oil Strch
BAYSIDE 1541RR	81		1	24.8	153.9	53.6	0.5	98	8.8	3.6 58.8
BAYSIDE Super 80	80			22.8	150.7	53.1	1.3	99	8.4	4.5 58.3
GARST 8921YG1/RR	92	C250	1,2	28.1	170.5 **	51.4	0.2	98	8.3	4.2 58.7
AVERAGE				25.2	158.4	52.7	0.7	98	8.5	4.1 58.6
HIGHEST				28.1	170.5	53.6	1.3	99	8.8	4.5 58.8
LOWEST				22.8	150.7	51.4	0.2	98	8.3	3.6 58.3
CV (%)				4.3	6.8	1.2	126	3.6	4.2	6.3 1.1
LSD (5%)				0.9	7.9	0.5	1.2	2.7	0.2	0.2 0.5

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 5.

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

ZONE 5

- No published results for Menominee County
- No hybrids entered for 3 years.

2007		DELTA										%QUALITY		
BRAND / HYBRID	RM TRT	TRAIT	%H ₂ O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch				
BAYSIDE 1541RR	81	1	22.7	199.7	55.1	1.8	98	9.2	4.1	58.0				
BAYSIDE 1582YGCRR	82	1,2	23.6	200.8	54.3	1.1	100	9.2	4.3	57.1				
BAYSIDE Super 75	75		22.9	189.0	55.8	0.7	100	8.6	3.7	60.1				
BAYSIDE Super 80	80		22.6	194.2	54.7	1.8	100	8.2	4.7	58.3				
CROPLAN 155RR	75	C250	21.8	144.5	58.3	1.4	99	9.6	4.6	56.9				
CROPLAN 184RR/Bt	80	C250	25.1	176.5	56.4	0.4	100	8.7	4.8	59.2				
CROPLAN 238RR/Bt	84	C250	23.6	191.0	54.3	2.1	99	7.9	4.2	59.0				
CROWS 1505R	88	C250	23.4	183.6	54.8	1.8	100	8.2	4.5	58.0				
DAIRYLAND STEALTH-7184	84	P250	23.1	187.8	55.4	0.4	99	8.8	4.3	57.7				
DYNAGRO 50K07	78	P250	20.9	165.6	58.9	0.7	100	8.7	4.1	58.6				
DYNAGRO 51B27	85	P250	23.8	194.2	54.2	1.1	100	8.7	4.8	57.3				
DYNAGRO 52P81	88	P250	24.2	206.6	54.0	0.0	98	9.1	4.4	57.1				
GREAT LAKES 3663G3	86	P250	23.6	190.7	54.6	1.1	99	8.9	4.5	58.1				
HYLAND SEEDS HLB33R	88	P250	24.3	209.9	54.0	0.7	100	7.8	3.8	59.8				
HYLAND SEEDS HLR228	84	P250	22.5	193.9	54.7	1.8	97	7.9	4.3	58.8				
JUNG 3206RR	88	P250	22.6	204.3	53.6	0.4	99	7.9	4.2	59.2				
JUNG 4171RR/YGCB	82	P250	23.4	188.4	55.4	0.4	100	8.5	4.1	58.2				
JUNG 4183RR/YGCB	84	P250	24.0	214.8 *	53.9	1.1	100	8.9	4.0	57.7				
MYCOGEN 2K154	83	C250	22.1	190.9	56.3	0.4	100	8.4	3.9	59.0				
NK Brand N06-C1	71	C250	23.1	138.0	55.3	5.2	100	8.0	4.2	58.4				
NK Brand N15-A9	81	C250	21.7	189.8	55.3	0.7	100	7.7	3.8	60.4				
NuTech 1B-186 CB/LL	86	C250	23.5	209.4	52.7	0.7	99	7.6	4.2	59.7				
NuTech 1B-887 CB/LL	87	C250	23.1	223.3 **	53.1	0.0	100	8.8	4.6	57.6				
NuTech 3C-082 RR/YGCB	82	P250	23.6	208.7	54.0	2.5	100	9.0	4.1	58.0				
NuTech 3C-882 RR/YGCB	82	C250	20.9	172.8	54.8	1.4	100	9.0	4.6	57.2				
NuTech 3C-883 RR/YGCB	83	C250	22.9	188.7	55.6	0.4	99	8.7	4.1	58.0				
NuTech 3W-484 RR/YGRW	84	P250	22.3	198.0	53.2	0.0	98	7.7	4.1	59.4				
PIONEER 39B79	88	P250	24.1	179.2	52.8	0.7	99	9.6	4.7	55.2				
PIONEER 39B94	78	P250	21.0	188.5	59.2	0.0	100	7.8	3.8	58.9				
PIONEER 39K19	83	P250	21.8	177.0	56.5	0.4	100	9.0	4.3	57.8				
AVERAGE			22.9	190.0	55.0	1.0	99	8.5	4.2	58.3				
HIGHEST			25.1	223.3	59.2	5.2	100	9.6	4.8	60.4				
LOWEST			20.9	138.0	52.7	0.0	97	7.6	3.7	55.2				
CV (%)			2.7	4.4	1.1	119	1.2	2.3	5.5	0.8				
LSD (5%)			0.9	11.8	0.8	1.7	1.7	0.2	0.3	0.6				

2 Year Averages

2 Year Averages		DELTA										%QUALITY		
BRAND / HYBRID	RM TRT	TRAIT	%H ₂ O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch				
BAYSIDE 1541RR	81	1	25.3	172.4 **	52.3	1.1	99	9.2	3.9	57.8				
BAYSIDE Super 80	80		24.4	167.8 *	52.0	2.6	99	8.3	4.7	57.6				
DYNAGRO 52P81	88	P250	27.3	171.5 *	51.0	1.9	99	8.8	3.9	57.6				
NK Brand N15-A9	81	C250	24.5	157.0	52.5	1.6	86	7.7	3.7	59.9				
AVERAGE			25.4	167.2	52.0	1.8	96	8.5	4.0	58.2				
HIGHEST			27.3	172.4	52.5	2.6	99	9.2	4.7	59.9				
LOWEST			24.4	157.0	51.0	1.1	86	7.7	3.7	57.6				
CV (%)			3.9	5.3	1.5	179	4.6	3.2	5.6	1.0				
LSD (5%)			0.9	9.6	0.8	2.1	4.5	0.2	0.2	0.5				

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- No published results for Huron County Glyphosate
Trial page 26 and 27.

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 7	Oct. 30	Soybean	30,096	29,795	219 - 39 - 289
	BRANCH	May 6	Oct. 26	Corn	30,096	29,795	179 - 39 - 39
	CASS	April 30	Oct. 19	Corn	30,096	25,582	155 - 56 - 30
Zone 2	KENT	April 30 May 4	Oct. 22	Soybean	30,096	28,948	182 - 39 - 39
	INGHAM	May 14	Nov. 1	Soybean	30,096	29,193	214 - 39 - 39
	SAGINAW & GR	May 8	Oct. 29	Soybean	30,096	29,193	188 - 39 - 39
Zone 3	HURON & GR	April 25	Oct. 5	Corn	30,096	28,591	158 - 39 - 39
	MONTCALM	May 15	Nov. 5	Potato / Rye	30,096	29,193	221 - 119 - 179
	MONTCALM GR	May 4	Oct. 17	Dry Bean	30,096	29,043	212 - 39 - 289
	MASON	May 10	Oct. 23	Wheat / Oat	30,096	29,494	113 - 39 - 39 +Manure
Zone 4	ALPENA	May 11	Sept. 9	Corn	30,096	28,892	107 - 39 - 39 + Manure
	GRAND TRAVERSE	May 10	Sept. 8	Corn	28,517	28,314	143 - 39 - 39
	MENOMINEE	May 11	Oct. 24	Corn	28,517	28,235	39 - 39 - 39 +Manure
Z5	DELTA	May 11	Oct. 24	Alfalfa	28,517	28,231	131 - 39 - 39 +Manure

COUNTY		SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	LENAWEE	Lenawee Silty Clay loam	pH 6.2 P 85, K 264	Jason Woods	Britton
	BRANCH	Fox Sandy Loam	pH 7.1 P 68, K 111	Kyle Huff	Coldwater
	CASS	Kalamazoo Loam	pH 6.2 P 52, K 198	Dave & Mel Cripe	Cassopolis
Zone 2	KENT	Spinks Loamy Sand	pH 6.5 P 78, K 266	Pleasant Acres Farm Paul Kayser	Caledonia
	INGHAM	Capac Loam	pH 6.3 P 28, K 120	Jorgensen Farms Jerry Jorgesen & Mike Turner	Williamston
	SAGINAW & GR	Brookston Loam	pH 6.0 P 54, K 106	Fred Gross Farms Peggy Gross & Dick Burchmeier	New Lothrop
Zone 3	HURON & GR	Kilmanagh Loam	pH 7.0 P 86, K 197	Wil-Le Farms Ron & Ed McCrea	Bad Axe
	MONTCALM	McBride Sandy Loam	pH 5.9 P 139, K 150	Troy Sackett	Edmore
	MONTCALM GR	Montcalm - McBride Sandy Loam	pH 6.1 P 170, K 173	Montcalm Research Farm, MSU	Entrican
	MASON	Ogemaw Sandy Loam	pH 6.4 P 135, K 159	Robert & August Oshe	Scottville
Zone 4	ALPENA	Ossineke Sandy Loam	pH 7.4 P 21, K 121	Corby & Fred Werth	Alpena
	GRAND TRAVERSE	Coventry-Newaygo Loam	pH 6.3 P 114, K 125	Richard Dennett	Buckley
	MENOMINEE	Onaway Sandy Loam	pH 0 P 0, K 0	Dave Johnson	Daggett
Z5	DELTA	Charlevoix Sandy Loam	pH 7.3 P 34, K 83	Benny Herioux	Bark River

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

2007					2 Year Averages 2007 - 2006																	
BRAND / HYBRID		RM	TRT	TRAIT	EARLY - TRIAL AVERAGE				%QUALITY				MONTCALM - EARLY				SAGINAW - EARLY					
					%H2O	BU/A	Twt	%SL	%Sd	Prot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BAYSIDE 6094YGCBBR		94		1,2	19.3	233.6	56.5	0.7	98	7.8	4.2	59.5	21.6	236.8	55.4	0.3	97	17.1	230.4	57.6	1.0	98
CROWS 1684T		92	C250	1,2,3	18.4	222.8	58.3	0.5	92	8.1	4.6	59.0	20.5	223.3	56.9	0.4	91	16.3	222.3	59.7	0.7	93
CROWS 1723VTRR2		95	C250	1,3	19.5	233.4	58.2	3.9	98	6.9	4.1	60.5	21.4	243.8 *	56.8	3.4	97	17.6	223.1	59.6	4.3	99
CROWS 1807VT3		97	C250	1,2,3	20.2	246.6 *	56.5	1.2	99	8.0	4.2	59.4	22.6	244.7 *	55.1	1.0	98	17.8	248.4 *	58.0	1.3	100
DEKALB DKC41-57 (RR2YGPL)		91	P250	1,2,3	17.7	226.6	58.8	0.5	100	7.9	4.5	58.4	19.1	220.7	57.7	0.7	100	16.3	232.5	60.0	0.3	99
DEKALB DKC42-95 (RR2YGCBB)		92	P250	1,2	18.3	224.1	57.0	0.7	94	7.4	3.8	60.0	20.7	221.8	55.5	0.0	92	15.9	226.4	58.5	1.3	97
DEKALB DKC43-31 (RR2YGCBB)		93	P250	1,2	18.8	234.7	57.2	0.7	97	7.4	3.8	59.8	21.2	235.8	55.7	0.3	97	16.5	233.6	58.6	1.0	96
DEKALB DKC45-82 (RR2)		95	P250	1	19.7	229.9	57.0	2.1	100	7.6	4.1	59.2	22.0	226.2	55.5	0.7	99	17.4	233.7	58.4	3.6	100
DEKALB DKC46-60 (VT3)		96	P250	1,2,3	18.9	238.3	57.2	1.2	100	6.9	3.9	60.2	21.0	241.6 *	56.0	0.3	100	16.8	235.0	58.4	2.0	100
DYNAGRO 53K69		95	P250	1	19.1	234.4	56.7	2.9	96	7.1	4.4	59.5	21.1	243.3 *	55.2	1.0	94	17.1	225.6	58.3	4.8	97
DYNAGRO 53P87		94	P250	1,2	18.1	224.5	57.9	1.1	90	7.5	4.4	59.0	20.1	220.3	56.4	1.1	89	16.2	228.6	59.4	1.1	91
GARST 8827CBL/LLGT		96	C250	1,2,4	20.5	233.6	56.3	0.8	99	8.2	4.3	58.3	22.4	234.1	53.8	0.7	100	18.6	233.2	58.9	1.0	97
GARST 8921YG1/RR		92	C250	1,2	18.4	228.2	58.2	0.4	97	7.2	4.0	59.2	20.6	228.5	56.7	0.3	97	16.1	227.9	59.6	0.4	97
GREAT LAKES 4415G3VT3		94	P250	1,2,3	20.3	240.5	56.5	0.0	99	7.3	4.3	59.6	22.4	238.4	55.2	0.0	98	18.1	242.6	57.9	0.0	100
GREAT LAKES 4569G3VT3		95	P250	1,2,3	20.7	255.3 **	55.5	0.5	97	7.1	4.4	60.6	22.6	252.9 *	53.9	0.3	95	18.9	257.8 **	57.1	0.7	98
GREAT LAKES 4689G3		96	P250	1,2,3	20.3	249.5 *	57.1	0.3	100	8.0	4.3	59.5	22.6	256.3 **	55.2	0.3	100	18.0	242.7	59.1	0.3	99
HYLAND SEEDS HLB38R		92	P250	1,2	19.1	233.0	56.4	0.9	92	7.6	4.2	59.5	21.7	238.7	55.2	0.7	92	16.5	227.3	57.5	1.1	91
HYLAND SEEDS HLB43R		97	P250	1,2	21.5	222.9	56.0	0.9	90	7.7	3.7	60.5	23.6	225.2	53.3	1.1	90	19.4	220.7	58.6	0.7	91
HYLAND SEEDS HLCBR54		92	P250	1,2,3	19.4	234.3	56.1	0.2	86	7.9	4.4	59.5	22.0	237.4	54.8	0.0	87	16.8	231.2	57.4	0.4	84
HYLAND SEEDS HLR238		92	P250	1	19.2	233.5	56.8	0.9	90	7.9	4.4	59.3	21.1	232.0	55.7	0.4	88	17.3	235.1	57.9	1.5	92
MIDWEST 69203T		92	C250	1,2,3	18.5	217.4	58.5	0.7	94	7.7	4.4	59.1	20.1	216.9	57.2	0.4	92	16.9	218.0	59.8	1.1	95
MIDWEST 69574VTRR2		94	C250	1,3	19.6	234.0	58.1	2.1	96	7.0	4.0	60.2	21.4	233.0	56.8	2.0	95	17.7	235.1	59.4	2.1	97
MIDWEST 69704VT3		97	C250	1,2,3	20.7	244.6	56.6	0.5	97	7.9	4.1	59.4	23.1	237.2	54.3	0.7	97	18.3	252.1 *	58.9	0.4	97
PIONEER 38M58		94	P250	1,2,4,11	19.2	229.5	58.4	0.7	100	7.1	3.9	59.6	20.9	229.6	57.0	0.7	100	17.4	229.4	59.8	0.7	99
RENK RK438RRYGPL		93	P250	1,2,3	18.4	222.7	58.1	1.7	98	8.0	4.3	58.6	20.4	216.1	57.1	1.0	99	16.3	229.3	59.1	2.5	96
RENK RK488RRYGPL		97	P250	1,2,3	19.2	234.0	57.7	1.3	99	7.9	5.0	58.5	21.5	237.9	55.5	0.4	98	16.9	230.1	59.9	2.3	100
RENK RK570YGV3		97	P250	1,2,3	19.1	237.4	56.2	0.7	91	7.6	4.2	59.4	21.7	240.9 *	55.0	0.0	88	16.4	233.9	57.5	1.4	94
AVERAGE					19.3	233.3	57.2	1.0	96	7.6	4.2	59.4	21.5	233.8	55.7	0.7	95	17.2	232.8	58.7	1.4	96
HIGHEST					21.5	255.3	58.8	3.9	100	8.2	5.0	60.6	23.6	256.3	57.7	3.4	100	19.4	257.8	60.0	4.8	100
LOWEST					17.7	217.4	55.5	0.0	86	6.9	3.7	58.3	19.1	216.1	53.3	0.0	87	15.9	218.0	57.1	0.0	84
CV (%)					3.0	4.5	1.1	118	3.5	3.7	7.3	1.2	3.2	5.3	1.2	153	3.3	2.6	3.6	0.9	99	3.6
LSD (5%)					0.6	10.5	0.6	1.2	3.3	0.4	0.4	1.0	1.0	17.5	1.0	1.4	4.5	0.6	11.8	0.8	2.0	4.9

3 Year Averages 2007 - 2005				EARLY - TRIAL AVERAGE										%QUALITY			MONTCALM - EARLY				SAGINAW - EARLY			
BRAND / HYBRID		RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	Pot	Oil	Stch	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
GARST 8921YG1/RR		92	C250	1,2	18.8	213.4	58.7	0.5	97	7.8	4.3	62.6	20.4	214.1	57.6	0.4	96	17.2	212.7	59.8	0.6	99		
** Highest Yielding Hybrid																								
* Not Significantly Different from Highest Yielding Hybrid																								

** 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

2007

2007				LATE - TRIAL AVERAGE					%QUALITY			MONTCALM - 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
BAYSIDE 2103YGCBBR	103		1,2	22.9	231.8	54.8	0.8	99	7.8	3.5	60.1	24.6	227.5	51.8	0.9	99	21.1	236.2	57.8	0.7	100
CROWS 2117T	100	C250	1,2,3	20.1	215.6	57.0	1.1	100	7.8	4.4	59.9	22.2	206.5	54.3	0.7	100	18.0	224.7	59.6	1.6	100
CROWS 3848VT3	105	C250	1,2,3	23.1	245.0	55.9	1.7	99	7.5	3.8	60.2	24.8	238.9	53.1	0.9	100	21.4	251.2	58.6	2.6	98
DEKALB DKC48-46 (RR2YGPL)	98	P250	1,2,3	19.1	238.2	57.1	1.3	100	7.2	4.0	60.7	20.4	235.6	55.7	0.4	100	17.7	240.8	58.6	2.3	100
DEKALB DKC49-35 (RR2)	99	P250	1	19.9	226.6	55.9	1.8	95	7.6	4.0	59.6	21.3	222.6	54.8	1.6	98	18.4	230.7	57.0	2.1	91
DEKALB DKC50-48 (RR2YGCBB)	100	P250	1,2	21.8	251.7	54.9	1.0	100	7.2	3.7	60.3	24.1	248.2	52.4	0.3	100	19.5	255.3	57.4	1.7	100
DEKALB DKC51-39 (RR2YGPL)	101	P250	1,2,3	20.9	232.6	56.1	0.7	100	7.5	4.3	59.6	23.0	228.8	54.0	0.0	100	18.9	236.3	58.3	1.4	100
DEKALB DKC52-40 (RR2YGPL)	102	P250	1,2,3	20.7	244.6	56.1	0.1	99	7.8	4.1	59.8	22.5	244.1	54.4	0.0	98	18.8	245.1	57.7	0.2	100
DEKALB DKC52-63 (RR2YGCBB)	102	P250	1,2	21.5	261.7	55.3	0.8	95	7.5	4.0	59.4	23.3	267.9	53.4	1.4	96	19.7	255.6	57.1	0.1	95
DYNAGRO 54K35	98	P250	1	21.1	228.3	56.6	2.1	100	7.4	4.1	60.5	23.6	229.5	54.2	1.6	100	18.7	227.2	58.9	2.6	100
DYNAGRO 54P55	97	P250	1,2	19.6	233.3	55.9	1.3	99	7.3	4.4	59.4	22.1	228.9	54.5	0.7	97	17.0	237.7	57.3	2.0	100
DYNAGRO 54T42	100	P250	1,2,3,4	21.9	238.6	55.7	1.1	96	7.4	3.5	61.9	23.7	235.5	53.0	1.6	95	20.1	241.6	58.3	0.6	97
DYNAGRO 55B49	105	P250	1,2,3	23.1	242.9	55.0	0.7	100	8.5	3.4	59.8	25.4	238.2	52.0	0.6	100	20.9	247.7	58.0	0.7	100
DYNAGRO 55K46	103	P250	1	21.3	243.2	54.5	2.6	97	7.8	4.3	59.3	23.1	236.8	52.7	3.7	98	19.5	249.7	56.3	1.6	96
DYNAGRO 55V18	98	P250	1,2,3	20.4	235.4	58.4	1.5	100	7.5	4.3	60.2	22.3	225.7	56.4	0.2	100	18.4	245.2	60.3	2.8	99
GARST 8688GT	104	C250	1	22.0	226.6	54.6	1.6	88	8.0	4.0	59.2	23.9	215.6	52.0	3.0	87	20.0	237.5	57.2	0.2	89
GREAT LAKES 5362G3	103	P250	1,2,3	21.8	246.0	55.3	1.0	99	8.3	3.7	58.6	24.3	245.8	52.0	0.2	99	19.3	246.2	58.6	1.9	100
GREAT LAKES 5416RWRR	104	P250	1,3	23.2	252.5	54.0	2.6	97	8.9	4.0	59.4	25.6	242.1	50.9	2.7	96	20.8	263.0	57.1	2.6	97
HYLAND SEEDS HLB52R	101	P250	1,2	23.6	239.0	54.2	0.3	97	7.6	4.0	60.0	25.1	237.0	51.2	0.6	100	22.1	241.1	57.3	0.1	95
HYLAND SEEDS HLCBR84	101	P250	1,2,3	23.2	245.7	54.5	0.4	97	7.7	4.0	59.6	24.7	242.1	51.6	0.0	97	21.7	249.3	57.5	0.7	97
MIDWEST 70103T	100	C250	1,2,3	20.0	216.3	56.7	0.9	99	7.2	4.3	60.0	22.6	213.7	53.7	0.5	100	17.5	218.8	59.7	1.3	99
MIDWEST 70503S	101	C250	1,2,3	21.2	235.4	56.7	0.6	86	7.7	3.8	60.2	22.8	232.6	53.8	0.0	85	19.6	238.2	59.7	1.2	87
MIDWEST 76126VT3	105	C250	1,2,3	23.3	244.2	56.0	1.0	98	7.6	3.7	61.0	24.9	254.3	53.1	0.7	100	21.8	234.1	58.8	1.3	96
NK Brand N53-W3	105	C250	1	22.1	238.1	54.4	1.5	99	7.2	4.1	60.6	23.9	232.4	52.0	1.6	99	20.2	243.7	56.8	1.3	99
PIONEER 36K69	103	P250	1,2,4,11,13	22.7	260.3	54.7	1.3	100	8.2	4.0	58.7	24.8	258.9	52.2	2.2	100	20.5	261.8	57.2	0.3	99
RENK RK618YGV73	100	P250	1,2,3	20.2	236.7	58.2	1.1	100	7.4	4.1	59.9	22.1	234.1	56.2	0.3	101	18.4	239.3	60.1	1.9	100
RENK RK670RRYGPL	103	P250	1,2,3	21.6	236.4	55.0	0.2	96	8.3	4.2	58.5	23.6	232.8	52.8	0.4	97	19.7	240.1	57.2	0.1	94
RENK RK772RRYGPL	104	P250	1,2,3	20.3	230.0	55.0	1.1	94	7.7	4.7	58.3	22.7	230.7	52.8	0.8	95	17.9	229.3	57.3	1.4	93
AVERAGE				21.5	238.5	55.7	1.2	97	7.7	4.0	59.8	23.5	235.2	53.3	1.0	98	19.6	241.7	58.1	1.3	97
HIGHEST				23.6	261.7	58.4	2.6	100	8.9	4.7	61.9	25.6	267.9	56.4	3.7	101	22.1	263.0	60.3	2.8	100
LOWEST				19.1	215.6	54.0	0.1	86	7.2	3.4	58.3	20.4	206.5	50.9	0.0	85	17.0	218.8	56.3	0.1	87
CV (%)				2.8	4.9	1.1	116	3.3	3.2	6.4	1.2	2.8	5.0	1.3	130	2.0	2.3	4.4	0.7	104	4.0
LSD (5%)				0.6	11.5	0.6	1.3	3.1	0.3	0.3	0.9	0.9	16.6	1.0	1.8	3.0	0.6	15.2	0.5	1.9	10.0

2 Year Averages 2007 - 2006

2 Year Averages 2007 - 2006				LATE - TRIAL AVERAGE					%QUALITY			MONTCALM - 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
BAYSIDE 2103YGCBBR		103		1,2	23.9	226.7	54.2	1.2	96	8.2	3.6	59.7	25.6	230.9	52.0	2.2	95	22.2	222.5	56.4	0.3	97
DEKALB DKC51-39 (RR2YGPL)		101	P250	1,2,3	21.7	223.2	56.3	0.5	99	7.6	4.1	59.7	23.9	231.5	54.2	0.2	100	19.6	214.9	58.4	0.9	99
DEKALB DKC52-40 (RR2YGPL)		102	P250	1,2,3	21.5	238.7 *	55.8	0.3	98	7.9	4.0	59.6	23.2	241.7 *	54.1	0.2	97	19.8	235.6 **	57.5	0.5	99
DEKALB DKC52-63 (RR2YGCBB)		102	P250	1,2	23.0	240.7 **	54.8	2.3	88	8.0	3.8	59.0	24.8	246.1 **	52.9	3.0	88	21.1	235.2 *	56.7	1.5	88
GARST 8688GT		104	C250	1	23.0	223.1	54.8	1.6	91	7.7	3.7	59.6	24.8	211.7	52.3	2.3	89	21.2	234.6 *	57.3	1.0	93
HYLAND SEEDS HLB52R		101	P250	1,2	24.4	227.8	54.0	0.8	95	7.7	3.8	59.8	26.3	231.5	51.4	1.5	95	22.5	224.1	56.7	0.2	95
NK Brand N53-W3		105	C250	1	23.0	230.4 *	54.6	1.4	99	7.4	3.9	60.2	24.7	227.7	52.2	2.2	99	21.3	233.0 *	57.0	0.7	98
AVERAGE					22.9	230.1	54.9	1.2	95	7.8	3.8	59.7	24.8	231.6	52.7	1.6	95	21.1	228.6	57.2	0.7	96
HIGHEST					24.4	240.7	56.3	2.3	99	8.2	4.1	60.2	26.3	246.1	54.2	3.0	100	22.5	235.6	58.4	1.5	99
LOWEST					21.5	223.1	54.0	0.3	88	7.4	3.6	59.0	23.2	211.7	51.4	0.2	88	19.6	214.9	56.4	0.2	88
CV (%)					2.8	5.1	1.9	129	4.7	3.3	6.2	1.1	2.8	5.0	1.1	132	4.7	2.5	4.9	2.4	125	4.5
LSD (5%)					0.6	11.8	1.1	1.6	4.5	0.2	0.2	0.6	0.7	11.6	0.6	1.6	4.5	0.5	11.4	1.3	1.5	4.3

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- 3 Year Data Not Available For Glyphosate Late Grain.

HYBRID INDEX FOR GRAIN TRIALS

The 330 hybrids submitted for testing by 29 seed companies (30 brand names) resulted in 551 individual entries in the 2007 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, and the table designation - 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 Grand Traverse Menominee - Late Trial Average	ZONE 5 Table 5 Delta Menominee - Early Trial Average	GLYPHOSATE TRIAL Tables 6E/6L Huron - Zone 3 Montcalm - Zone 3 Saginaw - Zone 2 Trial Average
AGRIGOLD HYBRIDS	RM TABLE	CROPLAN -Continued	RM Table	UAP DISTRIBUTION, INC.	RM Table
AGRIGOLD A6279RR	101 2E	CROPLAN 4664RB	103 2L	DYNAGRO 50K07	78 5
AGRIGOLD A6324BtRWRR	103 1E,2L	CROPLAN 5338TS	104 2L	DYNAGRO 51B27	85 5
AGRIGOLD A6325RWRR	104 1E,2L	CROPLAN 5403XX	103 2L,3L	DYNAGRO 52P81	88 4,5
AGRIGOLD A6394VT3	107 1E	CROPLAN 591TS	111 1L	DYNAGRO 53B04	92 2E,3E,4
AGRIGOLD A6459VT3	110 1L			DYNAGRO 53F09	95 2E,3L,4
AGRIGOLD A6464VT3	111 1L	CROW'S HYBRID CORN COMPANY		DYNAGRO 53K89	95 2E,3E,6E
AGRIGOLD A6479BtRWRR	112 1L	CROWS 1505R	88 5	DYNAGRO 53P87	94 2E,3E,6E
		CROWS 1684T	92 2E,3E,4,6E	DYNAGRO 54P55	97 2E,3L,6L
BAYSIDE SEEDS, LLC		CROWS 1723VTTR2	95 2E,3E,4,6E	DYNAGRO 54T42	100 2E,3L,6L
BAYSIDE 1541RR	81 4,5	CROWS 1807VT3	97 2E,3L,6E	DYNAGRO 55B49	105 1E,2L,3L,6L
BAYSIDE 1582YGCBBR	82 4,5	CROWS 2117T	100 2E,3L,6L	DYNAGRO 55V18	98 2E,3L,6L
BAYSIDE 1700	100 2E,3L	CROWS 3848VT3	105 1E,2L,3L,6L	DYNAGRO 56B15	109 1L
BAYSIDE 2090	90 3E	CROWS 4223T	107 1E,2L	DYNAGRO 54K35	98 2E,3L,6L
BAYSIDE 2103	103 3L	CROWS 4352S	107 1E,2L	DYNAGRO 55K46	103 2L,3L,6L
BAYSIDE 2103YGCBBR	103 2L,3L,6L	CROWS 4686VTTR2	109 1L		
BAYSIDE 2681RR	81 4	CROWS 4846T	110 1L	FIELDERS CHOICE DIRECT	
BAYSIDE 2701	87 4	CROWS 4984T	112 1L	FIELDERS CHOICE NG6490	97 2E,3L
BAYSIDE 2784YGCBBR	84 4			FIELDERS CHOICE NG6510	98 2E,3L
BAYSIDE 3731RR	86 4	DAIRYLAND SEED		FIELDERS CHOICE NG6580	102 2L,3L
BAYSIDE 5072RR	93 3E	DAIRYLAND STEALTH-1712	112 1L	FIELDERS CHOICE NG6686	107 1E,2L,3L
BAYSIDE 5100RR	100 2E	DAIRYLAND STEALTH-1891	91 3E,4	FIELDERS CHOICE NG6719	108 1L
BAYSIDE 5518RR	95 2E,3E	DAIRYLAND STEALTH-4009	111 1L	FIELDERS CHOICE NG6745	110 1L
BAYSIDE 6094YGCBBR	94 2E,3E,6E	DAIRYLAND STEALTH-5007	107 1E	FIELDERS CHOICE NG6780	111 1L
BAYSIDE 6096	96 2E,3E	DAIRYLAND STEALTH-5194	94 3E		
BAYSIDE 6103YGCBBR	103 2L	DAIRYLAND STEALTH-5204	104 1E,2L	GARST SEED COMPANY	
BAYSIDE 7092YGPLRR	92 3E,4	DAIRYLAND STEALTH-6003	103 2L	GARST 8452CB/LL	112 1L
BAYSIDE 8100HXRR	100 3L	DAIRYLAND STEALTH-6006	106 1E,2L	GARST 8571CB/LL	106 1E,2L
BAYSIDE 8101HXTRR	101 2E	DAIRYLAND STEALTH-7184	84 5	GARST 8688GT	104 2L,6L
BAYSIDE Super 75	75 4,5	DAIRYLAND STEALTH-7201	101 3L	GARST 8689IT	104 2L
BAYSIDE Super 80	80 4,5	DAIRYLAND STEALTH-7506	106 1E,2L	GARST 8693CB/LL	105 1E,2L
BAYSIDE Super 93	93 3E	DAIRYLAND STEALTH-7685	85 4	GARST 8792CB/LL	99 3L
BAYSIDE Super 105	105 2L	DAIRYLAND STEALTH-8208	108 1L	GARST 8827CB/LL/GT	96 3E,6E
BECK'S SUPERIOR HYBRIDS		DAIRYLAND STEALTH-4006	106 1E,2L	GARST 8860CB/LL	95 2E,3E
BECK 5222Hx1	108 1L	DAIRYLAND STEALTH-9196	96 3E	GARST 8921YG1/RR	92 3E,4,6E
BECK 5244VT3	106 1E	DAIRYLAND STEALTH-9503	105 1E	GARST 8922YG1	90 3E
BECK 5333	109 1L	DAIRYLAND STEALTH-9799	99 2E,3L		
BECK 5444VT3	110 1L			GOLDEN HARVEST SEEDS	
NUTECH SEED, LLC		MONSANTO COMPANY		GOLDEN HARVEST H-7283Hx/LL	98 2E
BROWN 5232RRYGPlus	99 2E	DEKALB RX674RR2	109 1L	GOLDEN HARVEST H-7540	100 2E
BROWN 5636	98 2E	DEKALB RX715VT3	111 1L	GOLDEN HARVEST H-7625Hx/LL	100 2E
CROPLAN GENETICS		DEKALB DKC38-33 (RR2/YGCB)	88 4	GOLDEN HARVEST H-8061CB/LL	104 2L
CROPLAN 155RR	75 5	DEKALB DKC38-92 (RR2)	88 4	GOLDEN HARVEST H-8265CB/LL	106 2L
CROPLAN 184RR/Bt	80 5	DEKALB DKC41-57 (RR2/YGPL)	91 2E,3E,4,6E	GOLDEN HARVEST H-8318CB/LL	106 2L
CROPLAN 238RR/Bt	84 5	DEKALB DKC42-95 (RR2/YGCB)	92 2E,3E,4,6E	GOLDEN HARVEST H-8529CB/LL	108 2L
CROPLAN 2801RB	89 4	DEKALB DKC43-31 (RR2/YGCB)	93 2E,3E,4,6E		
CROPLAN 2905RB	89 4	DEKALB DKC45-82 (RR2)	95 2E,3E,6E	GREAT LAKES HYBRIDS	
CROPLAN 314TS	92 3E,4	DEKALB DKC46-60 (VT3)	96 2E,3E,6E	GREAT LAKES 3663G3	86 4,5
CROPLAN 3456RB	95 3E,4	DEKALB DKC48-46 (RR2/YGPL)	98 2E,3L,6L	GREAT LAKES 4041	90 4
CROPLAN 3688RB	97 2E	DEKALB DKC49-35 (RR2)	99 2E,3L,6L	GREAT LAKES 4297G3	92 3E,4
CROPLAN 3824TS	96 2E,3E	DEKALB DKC50-48 (RR2/YGCB)	100 2E,3L,6L	GREAT LAKES 4415G3VT3	94 2E,3E,6E
CROPLAN 388RR/Bt	98 2E,3L	DEKALB DKC51-39 (RR2/YGPL)	101 2E,3L,6L	GREAT LAKES 4569G3VT3	96 2E,3E,6E
CROPLAN 421RR/Bt	100 2E	DEKALB DKC52-63 (RR2/YGCB)	102 1E,2L,3L,6L	GREAT LAKES 4689G3	96 2E,3E,6E
		DEKALB DKC54-46 (RR2/YGPL)	104 1E,2L	GREAT LAKES 5362G3	103 2L,6L
		DEKALB DKC57-79 (RR2/YGPL)	107 1E,2L	GREAT LAKES 5416RWRR	104 2L,3L,6L
		DEKALB DKC61-22 (RR2)	111 1L	GREAT LAKES 5961G3	110 1L,2L
		DEKALB DKC61-66 (RR2/YGPL)	111 1L	GREAT LAKES 6162G3	110 1L

GRIES SEED FARMS, INC

GRIES YP8603R
GRIES YP8610R
GRIES YP8697R

RM Table

103 1E
110 1L
97 1E

HYLAND SEEDS

HYLAND SEEDS HL2677
HYLAND SEEDS HLR228
HYLAND SEEDS HLR238
HYLAND SEEDS HLB282
HYLAND SEEDS HLB286
HYLAND SEEDS HLB295
HYLAND SEEDS HLB337
HYLAND SEEDS HLB33R
HYLAND SEEDS HLB38R
HYLAND SEEDS HLB43R
HYLAND SEEDS HLB52R
HYLAND SEEDS HLCBR54
HYLAND SEEDS HLCBR84

104 2L
84 5

92 3E,4,6E
92 3E
92 2E,3E,4
99 2E
105 1E,2L
88 5
92 2E,3E,4,6E
97 3L,6E
101 2E,3L,6L
92 2E,3E,4,6E
101 2E,3L,6L

INTEGRA SEED

INTEGRA SEED INT63F90RB
INTEGRA SEED INT6698VT3
INTEGRA SEED INT9381RB
INTEGRA SEED INT9480VT3
INTEGRA SEED INT9511VT3
INTEGRA SEED INT9520RBC
INTEGRA SEED INT9530VT3
INTEGRA SEED INT9550RBC

92 3E,4
95 2E,3E
88 3E,4
98 2E,3L
100 2E
102 2L
103 2L
105 2L

JUNG SEED GENETICS, INC.

JUNG 4171RR/YGCB
JUNG 4183RR/YGCB
JUNG 3206RR

82 5
84 5
88 5

LEGACY BRAND HYBRIDS, INC.

LEGACY 44K74
LEGACY 44P89
LEGACY 44T14
LEGACY 45A19
LEGACY 46M94

107 1E
109 1L
106 1E,2L
100 2E,3L
99 2E,3E

MIDWEST SEED GENETICS

MIDWEST 69203T
MIDWEST 69574VTRR2
MIDWEST 69704VT3
MIDWEST 70103T
MIDWEST 70503S
MIDWEST 76126VT3
MIDWEST 76173T
MIDWEST 76483S
MIDWEST 76864VTRR2
MIDWEST 77125T
MIDWEST 78134T

92 2E,3E,4,6E
94 2E,3E,6E
97 2E,3L,6E
100 2E,3L,6L
101 2E,3L,6L
105 1E,2L,3L,6L
107 1E,2L
107 1E,2L
109 1L
110 1L
112 1L

MYCOGEN SEEDS

MYCOGEN 2D326
MYCOGEN 2D557
MYCOGEN 2D675
MYCOGEN 2G627
MYCOGEN 2J272
MYCOGEN 2K154
MYCOGEN 2R428

92 3E
103 2L
109 1L
106 1E,2L
88 4
83 4,5
96 3E

SYNGENTA SEEDS

NK Brand N06-C1
NK Brand N15-A9
NK Brand N27-B5
NK Brand N29-A2
NK Brand N33-J4
NK Brand N34-F1
NK Brand N43-C4
NK Brand N45-A5
NK Brand N48-G6
NK Brand N48-R3

71 5
81 5
91 3E,4
92 3E,4
94 3E
94 3E
98 3L
101 2E,3L
103 2L
103 1E,2L,3L

SYNGENTA SEEDS -Continued RM TABLE

NK Brand N51-T8
NK Brand N53-W3
NK Brand N60-B4
NK Brand N60-G5
NK Brand N64-Z5
NK Brand N68-B8

104 1E,2L
105 2L,6L
107 1E
107 1E
108 1L
110 1L

NUTECH SEED, LLC

NuTech 3C-082 RR/YGCB
NuTech 3C-882 RR/YGCB
NuTech 3C-883 RR/YGCB
NuTech 3W-484 RR/YGRW
NuTech 1B-186 CB/LL
NuTech 1B-887 CB/LL
NuTech 3P-191 RR/YGPL
NuTech 3A-391 RR
NuTech 3A-093 RR
NuTech 3T-393 VT3
NuTech 3P-494 RR/YGPL
NuTech 3T-595 VT3
NuTech 3T-995 VT3
NuTech 0C-596 YGCB
NuTech 3T-098 VT3
NuTech 3T-098A VT3
NuTech 3W-099 RR/YGRW
NuTech 3W-099A RR/YGRW
NuTech 3T-799 VT3
NuTech 0A-900
NuTech 3T-301 VT3
NuTech 3P-302 RR/YGPL
NuTech 1X-402 HXT
NuTech 3P-902 RR/YGPL
NuTech 1B-103 CB/LL
NuTech 3C-303 RRYGCB
NuTech 3P-603 RR/YGPL
NuTech 3P-703 RR/YGPL
NuTech 0A-004
NuTech 1H-104 HX
NuTech 5H-403 RR/HX
NuTech 1X-507 HXT
NuTech 3T-006 VT3
NuTech 1X-606 HXT
NuTech 5H-008 RR/HX
NuTech 3T-808 VT3
NuTech 3T-808A VT3
NuTech 3T-009 VT3
NuTech 3C-409 RR/YGCB
NuTech 1B-909 CB/LL
NuTech 3T-310 VT3
NuTech 0C-111 YGCB
NuTech 1B-411 CB/LL
NuTech 1N-411 CB/LL/RW
NuTech 1X-511 HXT
NuTech 3P-911 RR/YGPL
NuTech 0M-909 RW
NuTech 0C-413 YGCB

82 5
82 5
83 5
84 4,5
86 4,5
87 5
91 4
91 4
93 4
93 3E,4
94 3E,4
95 3E
95 3E
96 3E
98 2E
95 3E
98 2E,3L
95 3E
99 2E
100 2E,3L
103 2L
101 2E,3L
101 2E,3L
102 2L,3L
102 2L,3L
103 2L,3L
103 2L,3L
103 2L
104 2L
104 1E,2L
103 2L
107 1E,2L
105 1E,2L
105 1E,2L
107 1E
107 1E,2L
108 1L
109 1L
109 1L
109 1L
110 1L
111 1L
111 1L
111 1L
111 1L
111 1L
109 1L
109 1L
113 1L

PIONEER HI-BRED INTERNATIONAL

PIONEER 34A20
PIONEER 34P94
PIONEER 35F40
PIONEER 35H42
PIONEER 36K69
PIONEER 36V75
PIONEER 36W69
PIONEER 36Y86
PIONEER 37D26
PIONEER 37F76
PIONEER 37Y14
PIONEER 38M58
PIONEER 38N87
PIONEER 39B79
PIONEER 39B94
PIONEER 39K19

109 1L
112 1L
105 1E,2L
107 1E,2L
103 1E,2L,3L,6L
104 1E,2L
103 1E,2L
104 1E,2L
98 2E,3L
100 2E,3L
98 2E,3L
94 3E,4,6E
93 4
88 4,5
78 5
83 4,5

RENK SEED COMPANY

RENK RK264LLYGCB
RENK RK268RRYGRW
RENK RK288RRYGPL
RENK RK438YGCB
RENK RK438RRYGPL
RENK RK488RRYGPL
RENK RK570YGVTV3
RENK RK618YGVTV3
RENK RK644HXTRA
RENK RK670RRYGPL
RENK RK7-692LLYGCB
RENK RK772RRYGPL
RENK RK806RR
RENK RK829YGVTV3
RENK RK852LLYGCB
RENK RK888RRYGPL

RM TABLE

85 4
85 4
86 4
93 4
93 3E,6E
97 3L,6E
97 2E,3L,6E
100 2E,3L,6L
106 1E,2L
103 1E,2L,3L,6L
104 2L,3L,6L
110 1L
112 1L
112 1L
113 1L

RUPP SEEDS, INC.

RUPP XR1609
RUPP XR1634
RUPP XR8045
RUPP XR8024
RUPP XR8285
RUPP XR8626
RUPP XR8056VT3
RUPP 8XP02V
RUPP 8XP75
RUPP XR8715

101 2E,3L
104 1E,2L
108 1L
102 1E,2L
110 1L
100 2E,3L
107 1E
94 2E,3E
100 2E,3L
110 1L

SEED CONSULTANTS, INC.

SEED CONSULTANTS SC9RR05
SEED CONSULTANTS SC9VTT38
SEED CONSULTANTS SC1047
SEED CONSULTANTS SC1085
SEED CONSULTANTS SC10B36
SEED CONSULTANTS SC10BL96
SEED CONSULTANTS SC10H27
SEED CONSULTANTS SC10MT37
SEED CONSULTANTS SC10MT87
SEED CONSULTANTS SC10MT97
SEED CONSULTANTS SC1107

91 3E
93 2E,3E
104 1E
108 1L
103 1E,2L
109 1L
102 2L
103 1E,2L
108 1L
109 1L
110 1L

STEWART SEEDS

STEWART SEEDS 6K672
STEWART SEEDS 6T226
STEWART SEEDS 6T546
STEWART SEEDS 7K285
STEWART SEEDS 7K456

107 1E
107 1E
107 1E
109 1L
110 1L

TRELA SEED COMPANY

TRELA 4N629
TRELA 4T722
TRELA 5K429
TRELA 5K626
TRELA 6N664

97 3E
97 2E,3L
101 2E
100 2E
107 1E

TRISLER SEED FARMS, INC.

TRISLER T-1S61RRCB
TRISLER T-2S61PLRR
TRISLER T-2S62RRCB
TRISLER T-5A01RRCB
TRISLER T-6N51PLRR
TRISLER T-7A01RR

97 1E
100 1E
100 1E
107 1E
110 1L
111 1L

WELLMAN SEEDS, INC.

WELLMAN W2602CB

102 1E

Selecting Corn Hybrids For Silage: Considering Yield and Quality

Mike Allen, Professor and Extension Specialist, Dairy Cattle Nutrition
Department of Animal Science
Michigan State University

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.

NDF concentration. Neutral detergent fiber 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. 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, so corn silage starch concentration, like grain concentration, is related inversely to 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/archives/mdrvol11no1.pdf>

2007 SILAGE PERFORMANCE TRIALS

Introduction

One Ohio and nine Michigan locations across five maturity zones (see map) contained 17 silage trials. The silage index (pg. 33) contains the list of 129 hybrids submitted by 20 seed companies (21 brand names) totaling 152 individual entries. Zones 1, 2, and 3 have two maturity groups "E" or "L" based on company RM. In cooperation with The 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 - Huron (Zone 3), Ingham, and Ionia
Table 9 Zone 4 - Alpena, Menominee (Late) and Osceola
Table 10 Zone 5 - Delta and Menominee (Early)

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. 32)

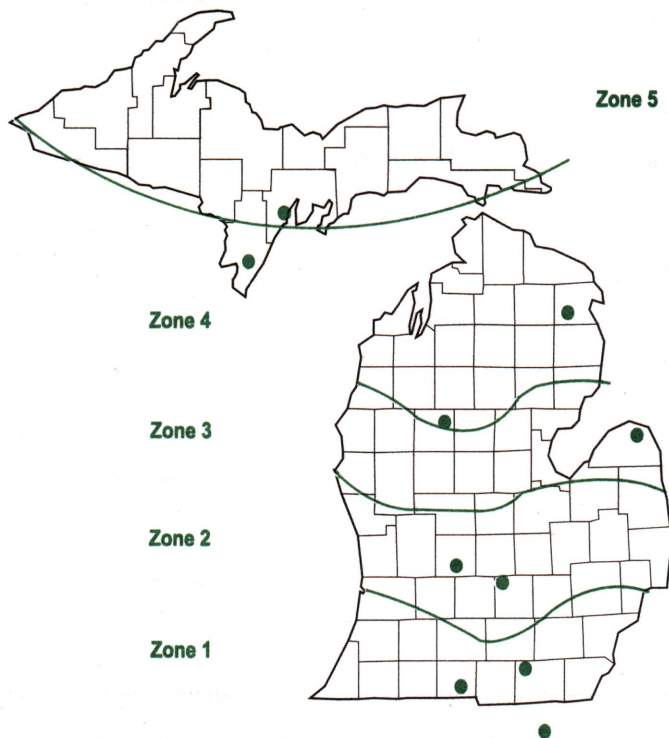
Silage plots were harvested with a two-row self-propelled forage harvester. Electronic scales mounted on the chopper measured plot weights. Total plot weight was used to calculate green tons per acre (**GT/A**). Sub samples of fodder plus grain were collected, weighed, oven dried until weight loss was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

1. **IVD= (in vitro) digestible dry matter.** IVD is a measure of forage digestibility. Higher IVD is desirable.

2007 SILAGE TRIAL LOCATIONS



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.
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.

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	May 6	Sept. 6	Corn	30,096	29,795	179 - 39 - 39
	LENAAWEE	May 7	Sept. 11,24	Soybean	30,096	29,343	122 - 39 - 39
	WOOD (OHIO)	May 8	Sept. 4,13	Soybean	32,000	31,200	210 - 40 - 40
Zone 2	IONIA	May 4	Aug. 27 Sept. 10	Soybean	30,096	29,795	189 - 39 - 39
	INGHAM	May 6	Aug. 31 Sept. 10	Corn	30,096	29,043	182 - 39 - 39
	HURON	April 25	Aug. 30 Sept. 14	Corn	30,096	29,043	158 - 39 - 39
Zone 4	ALPENA	May 11	Sept. 12	Corn	30,096	28,892	107 - 39 - 39 Manure
	OSCEOLA	May 10	Sept. 18	Corn	30,096	29,494	128 - 39 - 39 Manure
	MENOMINEE	May 11	Sept. 17	Corn	28,517	28,232	39 - 39 - 39 Manure
Z5	DELTA	May 11	Sept. 17	Alfalfa	28,517	28,232	131 - 39 - 39 +Manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Fox Sandy Loam	pH 7.1 P 68, K 111	Kyle Huff	Coldwater
	LENAAWEE	Blount Loam	pH 7.1 P 76, K 140	Bakerlad Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville Clay	pH 5.8 P 152, K 377	Matt Davis OARDC	Hoytville, Ohio
Zone 2	IONIA	Sebewa Loam	pH 7.5 P 46, K 194	Tom Wilson	Portland
	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 Ron, & Ed McCrea	Bad Axe
Zone 4	ALPENA	Ossineke Sandy Loam	pH 7.4 P 21, K 121	Corby & Fred Werth	Alpena
	OSCEOLA	Isabella Loam	pH 7.2 P 56, K 135	Robert E. Lee	Marion
	MENOMINEE	Onaway Sandy Loam	pH 0 P 0, K 0	Dave Johnson	Daggett
Z5	DELTA	Charlevoix Sandy Loam	pH 7.3 P 34, K 83	Benny Herioux	Bark River

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.

MILK2006

An updated calculation using the MILK2006 equation (UW-Madison Dairy Science Department) was used to estimate MK/T (milk per ton) and MK/A (milk per acre).

MILK2006 estimates the dry matter intake using the NDF and CWD (cell wall digestibility) parameters of the sample. The updated equation utilizes CP, fat, and sugar as well as the organic acid fractions along with their total-tract digestibility coefficients to estimate energy. Whole plant dry matter was calculated to 34% for all hybrids and digestibility coefficients used for the fat and sugars as well as the organic acid fractions were held constant. MILK2006 also assumes the weight of the cow is 1,350 lbs. and that it consumes a 30 percent NDF diet. Using National Research Council (NRC, 2001) 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.

SILAGE HYBRID INDEX

The 129 hybrids submitted for testing by 20 seed companies (21 brand names) resulted in 152 individual entries in the 2007 Michigan Corn Performance Trials for silage. The map of Michigan (page 31) shows each zone and the locations where the trials were located. Zones 1 and 2/3 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, and the table designation - an E (early) or L (late) for each hybrid

ZONE 1 - Tables 7E/7L

Branch
Lenawee
Wood (Ohio)
Trial Average

BAYSIDE SEEDS, LLC RM TABLE
BAYSIDE 1582YGCBBR 82 10

BECK'S SUPERIOR HYBRIDS

BECK 5816CBRR 112 7L
BECK 5555CBWRWR 110 7E
BECK 6733 113 7L

NUTECH SEED, LLC

BROWN 3B86 85 10
BROWN 4989RRLfY 95 9

CROPLAN GENETICS

CROPLAN 364TS 96 9
CROPLAN 4664RB 103 8E
CROPLAN 491TS 102 8E
CROPLAN 566TS 106 8L
CROPLAN 591TS 111 7E
CROPLAN 645TS 111 7L
CROPLAN S6100CR 110 7E
CROPLAN DS93CRWRR 93 9,10

CROW'S HYBRID CORN COMPANY

CROWS 1684T 92 10
CROWS 2117T 100 8E
CROWS 3848VT3 105 8L
CROWS 4846T 110 7E
CROWS 5304VT3 114 7L

DAIRYLAND SEED

DAIRYLAND Hi DF-3002 102 7E,8E
DAIRYLAND Hi DF-3005-7 105 8L
DAIRYLAND Hi DF-3007 106 7E,8L
DAIRYLAND Hi DF-3008-4 108 7E,8L
DAIRYLAND Hi DF-3012-6 112 7L
DAIRYLAND Hi DF-3085-6 85 10
DAIRYLAND Hi DF-3094-6 94 9
DAIRYLAND Hi DF-3098 98 9
DAIRYLAND STEALTH-1489 87 10
DAIRYLAND STEALTH-1615 113 7L
DAIRYLAND STEALTH-5007 107 7E

MONSANTO COMPANY

DEKALB RX674RR2 109 7E8L
DEKALB RX715VT3 111 8L
DEKALB DKC45-82 (RR2) 95 8E,9
DEKALB DKC50-48 (RR2/YGCB) 100 8E
DEKALB DKC54-46 (RR2/YGPL) 104 7E,8E
DEKALB DKC55-82 (RR2) 105 7E,8L
DEKALB DKC57-79 (RR2/YGPL) 107 7E,8L
DEKALB DKC61-45 (RR2/YGCB) 111 7L
DEKALB DKC61-66 (RR2/YGPL) 111 7L,8L
DEKALB DKC63-42 (VT3) 113 7L
DEKALB DKC65-47 (RR2) 115 7L

ZONE 2 - Tables 8E/8L

Huron - Zone 3
Ingham
Ionia
Trial Average

UAP DISTRIBUTION

DYNAGRO 50K07
DYNAGRO 52P81
DYNAGRO 53B04
DYNAGRO 53F09
DYNAGRO 53K69
DYNAGRO 54T42
DYNAGRO 55F43
DYNAGRO 57F06
DYNAGRO 57P12

GARST SEED COMPANY

GARST 8295YG1/RR 114 7L
GARST 8452CB/LL 112 8L
GARST 8693CB/LL 105 8E
GARST 8921YG1/RR 92 9,

GREAT LAKES HYBRIDS

GREAT LAKES 3663G3 86 10
GREAT LAKES 5098G3 100 8E
GREAT LAKES 5417 104 8E

GRIES SEED FARMS, INC.

GRIES YP8603R 103 7E
GRIES YP8610R 110 7E

HYLAND SEEDS

HYLAND SEEDS HLB337 105 8L
HYLAND SEEDS HLB52R 101 8E
HYLAND SEEDS HLCBR84 101 8E
HYLAND SEEDS HLS034 88 9
HYLAND SEEDS HLSR42 93 9
HYLAND SEEDS HLSR59 101 8E

MIDWEST SEED GENETICS

MIDWEST 70503S 101 8E
MIDWEST 76173T 107 8L
MIDWEST 76483S 107 8L
MIDWEST 76864VTRR2 109 7E
MIDWEST 77125T 110 7E
MIDWEST 8T215 116 7L

MYCOGEN SEEDS

MYCOGEN F2F485 98 8E
MYCOGEN F2F566 105 8L
MYCOGEN F2F721 113 7L
MYCOGEN F2F797 115 7L
MYCOGEN TMF2L416 94 9
MYCOGEN TMF2N494 97 9
MYCOGEN TMF2N602 106 8L
MYCOGEN TMF2Q716 110 7E,8L
MYCOGEN T27703 115 7L

SYNGENTA SEEDS

NK Brand N20-R7 85 10
NK Brand N22-C2 87 10
NK Brand N23-F7 88 10
NK Brand N49-E3 106 8L

ZONE 4 - Table 9

Alpena
Menominee - Late
Osceola
Trial Average

RM TABLE

78 10
88 10
92 10
95 9
95 9
100 ,8E,9
104 7E,8E
112 7L
115 7L

114 7L
112 8L
105 8E
92 9,

86 10
100 8E
104 8E

103 7E
110 7E

105 8L
101 8E
101 8E
88 9
93 9
101 8E

101 8E
107 8L
107 8L
109 7E
110 7E
116 7L

98 8E
105 8L
113 7L
115 7L
94 9
97 9
106 8L
110 7E,8L
115 7L

85 10
87 10
88 10
106 8L

ZONE 5 - Table 10

Delta
Menominee - Early
Trial Average

SYNGENTA SEEDS

NK Brand N53-W3 105 8L
NK Brand N71-L7 112 7L,8L
NK Brand N91-J1 124 7L

NUTECH SEED, LLC

NuTech 3T-393 VT 93 9
NuTech 3P-494 RR/YGPL 94 9
NuTech 3195RRLfY 95 9
NuTech 3T-799 VT3 99 8E
NuTech 3P-302 RRYGPLUS 102 8E
NuTech 3C-303 RRYGCB 103 8E
NuTech 1B-909 CB/LL 109 7E
NuTech 3T-310 VT3 110 7E
NuTech 3C-712 RRYGCB 113 7L
NuTech 0C-213 YGCB 113 7L

PIONEER HI-BRED INTERNATIONAL

PIONEER 33A88 117 7L
PIONEER 33A88 115 7L,8L
PIONEER 33D14 108 7E
PIONEER 33T59 113 7L
PIONEER 33T59 109 7E
PIONEER 34A20 109 7E
PIONEER 34A89 109 7E
PIONEER 34A89 108 7E,8L
PIONEER 35D26 109 7E,8L
PIONEER 35A34 105 8L
PIONEER 35F40 105 8L
PIONEER 35H42 107 7E,8L
PIONEER 36K69 103 8E
PIONEER 36V75 104 7E
PIONEER 37N15 96 8E
PIONEER 38H72 99 8E,9
PIONEER 38K47 94 9,10
PIONEER 38M58 94 9,10
PIONEER 38N87 93 9,10

RENK SEED COMPANY

RENK RK438RRYGPL 93 9
RENK RK488RRYGPL 97 9
RENK RK618YGV73 100 9
RENK RK662YGCB NDS 105 8L
RENK RK669 105 8L
RENK RK703RRYGRW NDS 110 7E
RENK RK852LLYGCB 112 7L,8L
RENK RK866YGPL NDS 112 7L

RUPP SEED, INC.

RUPP XS1938 113 7L
RUPP XS1650 105 7E

TRELAY SEED COMPANY

TRELAY 5K626 100 8E
TRELAY 6T226 106 8L

WELLMAN SEEDS, INC.

WELLMAN W2713 113 7L

TABLE 7E.

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

ZONE 1

2007					EARLY - TRIAL AVERAGE										BRANCH - EARLY										MILK 2006	
RM	TRT	TRAIT	YIELD					% QUALITY					YIELD					% QUALITY					MILK	MKA		
			%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR				
110	P250	BECK 5555CBWR	38.0	22.7	8.6	100	83.8	19.4	39.4	58.7	6.8	38.7	3475	30075	42.9	21.4	9.2	100	82.6	19.6	38.6	54.9	6.8	41.9	3389	31385
110	C250	CROPLAN 591TS	39.6	20.9	8.2	100	85.0	18.2	38.6	61.0	7.1	39.1	3545	29264	43.7	21.3	9.2	100	85.3	17.0	36.0	59.0	7.1	43.2	3560	32543
110	C250	CROPLAN S6100CR	40.1	21.4	8.5	99	83.4	20.2	41.1	59.6	6.7	35.9	3439	29368	47.3	19.3	9.1	100	81.9	20.5	40.3	55.0	6.6	39.9	3331	30394
110	C250	CROWS 4846T	38.3	22.7	8.7	98	85.0	18.4	38.3	60.8	6.7	39.1	3552	31085	42.3	22.5	9.5	100	84.2	18.2	37.3	57.5	6.7	41.7	3488	33313
102	P250	DAIRYLAND HI DF-3002	44.1	18.5	8.1	99	83.9	18.9	39.5	59.0	6.4	40.6	3478	28127	53.9	15.8	8.5	100	83.0	19.3	39.2	56.6	6.6	43.6	3406	28971
106	P250	DAIRYLAND HI DF-3007	41.1	20.1	8.2	99	84.3	19.4	40.6	61.3	6.6	38.2	3495	28590	50.5	17.4	8.8	97	83.4	19.4	39.5	58.0	6.6	41.5	3426	30091
108	P250	DAIRYLAND HI DF-3008-4	38.7	22.0	8.5	100	84.3	18.3	38.6	59.3	7.0	38.2	3510	29904	43.8	22.0	9.7	100	84.4	17.1	35.4	56.0	6.8	43.6	3517	33985
107	P250	DAIRYLAND STEAL TH-5007	43.8	18.3	7.9	100	84.1	18.4	38.2	58.5	6.5	42.1	3503	27766	50.2	16.8	8.4	100	83.0	18.9	37.8	55.0	6.5	44.0	3418	28598
104	P250	DEKALB DKC54-46 (RR2YGPL)	37.1	20.2	7.5	99	84.7	18.9	39.7	61.4	7.0	36.8	3523	26392	41.2	20.1	8.3	100	84.3	18.0	36.8	57.3	6.6	41.5	3498	28906
105	P250	DEKALB DKC55-42 (RR2)	41.2	20.3	8.3	100	86.1	17.6	37.7	63.0	6.8	42.0	3619	30138	47.5	19.3	9.1	100	86.4	16.4	35.4	61.6	7.0	45.0	3633	32940
107	P250	DEKALB DKC57-79 (RR2YGPL)	39.9	20.6	8.2	100	85.7	17.1	36.2	60.5	6.8	41.2	3609	29531	43.4	20.3	8.8	100	84.8	17.7	36.1	57.9	6.8	42.5	3534	30821
109	P250	DEKALB RX674RR2	41.0	20.9	8.5	100	85.0	18.3	38.2	60.9	6.6	41.0	3553	30286	48.8	19.2	9.4	100	84.5	18.0	37.0	57.9	6.6	43.8	3507	32940
104	P250	DYNAGRO 55F43	47.8	16.8	7.9	95	85.0	18.2	37.8	60.4	6.7	42.5	3555	27960	59.8	14.7	8.7	98	83.6	19.0	38.3	57.1	6.7	45.1	3445	29972
103	P250	GRIES YP6603R	43.3	18.3	7.9	96	83.9	19.2	39.7	59.3	6.9	39.1	3474	27560	50.0	17.6	8.8	100	81.7	21.0	41.1	55.3	6.6	41.2	3314	29111
110	P250	GRIES YP6610R	41.0	19.8	8.1	97	84.9	18.0	37.8	60.0	6.8	40.3	3549	28619	48.2	18.3	8.8	100	84.6	17.5	35.7	56.7	6.5	45.0	3523	30854
109	C250	MIDWEST 7686AVRR2	37.6	21.7	8.2	100	85.2	18.1	37.6	60.5	6.5	41.6	3568	29242	40.7	22.1	9.0	100	84.4	18.3	37.2	58.1	6.4	43.3	3505	31433
110	C250	MIDWEST 77125T	37.6	22.8	8.5	99	85.0	18.5	38.1	60.8	6.7	39.4	3554	30395	41.4	21.7	9.0	100	84.9	17.6	36.2	58.3	6.8	43.1	3539	31801
110	C250	MYCOGEN TMF2Q716	37.5	22.8	8.5	100	83.5	21.0	41.9	60.6	6.4	36.8	3440	29553	39.4	23.5	9.3	100	82.2	22.4	43.0	58.6	6.3	37.5	3330	31109
109	C250	NuTech 1B-909 CBILL	39.8	20.5	8.0	100	85.3	18.6	38.9	62.3	6.9	39.4	3564	28677	48.9	17.7	8.6	99	83.9	19.3	39.0	58.7	6.4	43.0	3460	29802
110	P250	NuTech 3T-310 VT3	38.7	22.6	8.7	98	84.6	18.4	38.3	59.9	6.8	39.8	3527	30979	42.6	23.5	9.9	99	84.6	17.8	36.9	58.2	7.0	42.9	3514	35007
108	P250	PIONEER 33D14	37.3	22.6	8.4	99	86.0	18.9	39.1	64.5	6.6	39.7	3603	30492	39.1	23.2	9.1	100	84.8	19.6	39.8	62.0	6.5	39.4	3503	31990
113	P250	PIONEER 33T59	37.3	23.0	8.6	100	86.7	17.9	38.1	65.0	6.5	39.8	3640	31320	39.3	23.9	9.3	100	86.1	18.7	38.5	63.7	6.4	39.3	3586	33608
109	P250	PIONEER 34A20	37.9	23.4	8.9	100	85.7	18.4	38.2	62.5	6.5	39.3	3595	31979	42.0	24.0	10.0	100	85.5	17.4	35.7	59.4	6.6	42.6	3580	35902
109	P250	PIONEER 34A89	37.8	22.8	8.6	100	85.6	19.2	40.1	64.1	6.4	38.3	3572	30870	41.7	23.4	9.8	100	85.6	17.5	36.7	60.9	6.6	42.4	3577	34830
109	P250	PIONEER 35D26	39.2	21.1	8.3	99	84.9	20.0	41.3	63.3	6.6	37.0	3521	29282	44.1	22.2	9.7	100	84.9	18.8	38.4	60.5	6.7	41.6	3518	34176
107	P250	PIONEER 35H42	37.5	23.2	8.7	100	85.8	18.3	37.5	62.0	6.8	40.7	3603	31334	41.4	23.0	9.5	100	85.7	17.6	35.7	59.7	6.8	43.4	3586	33997
104	P250	PIONEER 36V75	38.4	21.1	8.1	100	85.8	18.5	37.9	62.3	6.7	40.9	3599	29148	43.3	20.3	8.7	100	86.0	17.5	35.7	60.8	6.7	43.9	3608	31491
110	P250	RENK RK703RRYGRW NDS	38.6	20.6	7.9	95	83.4	19.9	41.8	60.1	7.4	34.6	3417	27037	46.1	19.1	8.8	98	82.4	19.5	40.3	56.4	7.4	40.3	3361	29714
105	C1250	RUPP XS1650	42.9	19.2	8.1	99	83.1	19.8	40.5	58.3	6.5	39.4	3426	27916	50.8	17.0	8.6	100	81.0	21.0	41.9	54.5	6.4	40.5	3269	27998
AVERAGE			39.8	21.1	8.3	99	84.8	18.8	39.0	61.0	6.7	39.4	3535	29410	45.32	20.4	9.1	100	84.1	18.6	37.9	58.1	6.7	42.3	3480	31644
HIGHEST			47.8	23.4	8.9	100	86.7	21.0	41.9	65.0	7.4	42.5	3640	31979	59.84	24	10.0	100	86.4	22.4	43.0	63.7	7.4	45.1	3633	35902
LOWEST			37.1	16.8	7.5	95	83.1	17.1	36.2	58.3	6.4	34.6	3417	26392	39.14	14.7	8.3	97	81.0	16.4	35.4	54.5	6.3	37.5	3269	27998
CV (%)			5.0	6.0	5.6	2	1.0	6.8	5.0	2.3	4.6	6.1	2	6	5.63	7.34	6.0	1	1.3	7.6	5.3	2.5	3.4	5.0	2	7
LSD (5%)			1.6	1.0	0.4	2	0.7	1.0	1.6	1.1	0.3	1.9	51	1510	3.59	2.12	0.8	3	3.1	4.0	5.7	4.2	0.3	3.0	217	3168

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2007	LENAAWEE - EARLY										WOOD (OHIO) - EARLY																	
	YIELD					% QUALITY					YIELD					% QUALITY												
	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFF	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFF	CP	STR	MK/T	MK/A	
	110	P250	BECK 5555CBRRR	34.4	21.7	7.5 *	100	85.0	19.4	40.2	62.6	6.9	35.6	3568	26665	36.6	25.0	9.2 **	100	83.8	19.3	39.3	58.5	6.7	38.6	3469	32176	
	110	C250	CROPLAN 591TS	36.8	19.7	7.3	99	85.9	18.3	40.1	64.8	7.5	34.8	3619	26423	38.2	21.6	8.2	100	83.7	19.1	39.7	59.2	6.8	39.3	3456	28826	
	110	C250	CROPLAN S6100CR	36.5	20.4	7.5 *	98	85.8	19.2	40.6	65.0	7.0	33.4	3612	26908	36.6	24.4	9.0 *	99	82.6	21.0	42.3	58.7	6.4	34.4	3375	30803	
	110	C250	CROWS 4846T	36.1	21.1	7.6 *	96	85.7	18.5	39.5	63.8	7.1	35.9	3613	27570	36.6	24.5	9.0 *	99	85.2	18.5	38.0	61.1	6.4	39.6	3555	32373	
	102	P250	DAIRYLAND HI DF-3002	37.8	19.6	7.4 *	99	85.2	18.7	40.2	63.1	6.6	37.1	3580	26581	40.7	20.3	8.3	99	83.4	18.7	39.0	57.3	6.1	41.1	3446	28830	
	106	P250	DAIRYLAND HI DF-3007	36.0	20.9	7.5 *	99	86.3	18.2	40.1	65.8	6.8	36.6	3645	27270	37.0	22.1	8.2	100	83.3	20.6	42.3	60.1	6.5	36.6	3412	28408	
	108	P250	DAIRYLAND HI DF-3008-4	36.1	20.7	7.4 *	99	84.8	19.1	40.8	62.8	7.4	33.3	3554	26376	36.2	23.4	8.4	100	83.7	18.9	39.5	58.9	6.9	37.8	3458	29351	
	107	P250	DAIRYLAND STEALTH-5007	2	40.5	17.6	7.1	100	86.2	17.3	38.0	63.8	6.7	40.8	3654	25944	40.6	20.4	8.3	99	83.2	19.0	38.7	56.8	6.5	41.6	3436	28758
	104	P250	DEKALB DKC54-46 (RR2YGPL)	36.2	18.5	6.7	98	86.3	18.5	40.1	65.8	7.2	35.0	3641	24293	33.9	22.2	7.5	99	83.6	20.3	42.1	61.1	7.2	34.0	3431	25977	
	105	P250	1	37.3	20.3	7.5 *	100	87.2	17.5	38.3	66.6	6.9	39.9	3706	27885	38.8	21.4	8.5	100	84.7	18.9	39.3	60.7	6.5	41.0	3518	29590	
	107	P250	DEKALB DKC57-79 (RR2YGPL)	37.1	19.6	7.3	100	86.7	16.9	37.1	64.1	7.2	37.2	3684	26808	39.1	21.8	8.5	99	85.8	16.5	35.3	59.5	6.4	43.8	3609	30965	
	109	P250	1	36.1	21.0	7.6 *	100	85.7	18.2	38.6	62.9	7.0	39.1	3618	27306	38.1	22.5	8.5	100	85.0	18.7	39.1	61.9	6.3	40.1	3535	30613	
	104	P250	2	39.0	16.9	6.6	95	86.4	18.2	39.0	64.9	6.8	38.8	3654	23848	44.5	18.9	8.4	93	85.1	17.3	36.3	59.3	6.5	43.6	3565	30060	
	103	P250	GRIES YP8603R	39.0	16.4	6.4	95	85.9	18.0	39.5	64.1	7.3	36.0	3620	23274	41.1	21.0	8.6	92	84.1	18.7	38.5	58.4	6.8	40.2	3489	30296	
	110	P250	GRIES YP8610R	36.6	18.9	6.9	95	86.2	18.1	39.7	65.2	7.3	35.1	3636	25088	38.3	22.2	8.5	96	84.1	18.5	38.0	58.1	6.6	40.7	3488	29915	
	109	C250	MIDWEST 76864VTRR2	35.0	20.2	7.1	100	86.2	18.2	38.5	64.1	6.8	38.7	3648	25904	37.2	22.7	8.5	100	85.0	18.0	37.0	59.3	6.4	42.8	3551	30389	
	110	C250	1,2,3	35.4	21.2	7.5 *	100	85.8	18.8	39.1	63.7	6.9	37.8	3621	27058	35.9	25.5	9.1 *	98	84.5	19.0	39.1	60.4	6.6	37.4	3503	32325	
	110	C250	1,2,3,4,8	36.6	21.7	7.9 *	100	85.2	19.3	40.5	63.3	6.9	35.1	3576	28252	36.5	23.2	8.4	100	83.3	21.2	42.2	59.9	6.2	37.7	3413	29300	
	109	C250	2,4	36.5	20.3	7.4 *	100	87.7	16.7	37.4	66.9	7.5	37.3	3737	27652	34.1	23.7	8.1	100	84.5	19.9	40.3	61.4	6.8	38.0	3493	28577	
	110	P250	1,2,3,11	35.6	20.8	7.4 *	99	85.6	17.8	38.4	62.5	7.1	38.1	3615	26783	37.9	23.4	8.9 *	95	83.6	19.5	39.8	59.1	6.5	38.5	3451	31148	
	108	P250	PIONEER 33D14	36.2	21.4	7.7 *	98	87.9	18.1	38.6	68.6	6.8	39.1	3738	28980	36.6	23.1	8.5	99	85.5	18.9	38.9	62.8	6.4	40.7	3568	30507	
	113	P250	PIONEER 33T59	36.1	22.1	8.0 **	99	88.4	16.7	37.4	68.9	6.7	39.5	3754	29942	36.4	23.0	8.4	100	85.7	18.3	38.4	62.4	6.5	40.5	3579	30411	
	109	P250	PIONEER 34A20	34.9	22.4	7.8 *	100	86.9	18.4	39.5	66.9	6.9	36.9	3682	28718	36.8	24.0	8.8 *	100	84.8	19.4	39.3	61.3	6.2	38.4	3521	31318	
	109	P250	1,2,3,4	35.2	20.9	7.4 *	100	86.5	19.5	41.6	67.4	6.6	35.0	3642	26766	36.5	24.0	8.7 *	100	84.8	20.5	42.0	63.9	6.1	37.4	3499	31013	
	109	P250	PIONEER 35D26	33.3	18.6	6.2	98	85.3	21.6	45.3	67.5	6.7	29.4	3547	21915	40.1	22.4	9.0 *	98	84.5	19.7	40.1	62.0	6.3	40.1	3498	31754	
	107	P250	PIONEER 35H42	34.6	21.7	7.5 *	100	87.2	18.3	38.4	66.6	6.9	38.4	3705	27703	36.6	24.9	9.1 *	100	84.5	18.9	38.3	59.8	6.6	40.5	3519	32302	
	104	P250	PIONEER 36V75	36.2	20.1	7.3	100	87.0	18.3	38.8	66.4	6.9	38.8	3691	26774	35.6	23.1	8.2	99	84.4	19.7	39.4	59.8	6.4	40.0	3497	29180	
	110	P250	1,3	33.1	19.8	6.5	94	84.6	20.6	44.2	65.2	7.5	27.6	3474	22535	36.6	22.8	8.3	94	83.2	19.5	41.0	58.8	7.3	35.8	3415	28861	
	105	C1250	RENK RK703RRYGRW NDS	38.3	19.9	7.6 *	97	85.1	19.1	40.1	62.8	6.7	37.3	3573	27176	39.5	20.9	8.2	99	83.3	19.4	39.5	57.6	6.3	40.3	3436	28574	
			AVERAGE	36.3	20.1	7.3	99	86.1	18.5	39.6	65.0	7.0	36.5	3635	26496	37.7	22.7	8.5	98	84.2	19.2	39.4	59.9	6.5	39.3	3489	30090	
			HIGHEST	40.5	22.4	8.0	100	88.4	21.6	45.3	68.9	7.5	40.8	3754	29942	44.5	25.5	9.2	100	85.8	21.2	42.3	63.9	7.3	43.8	3609	32373	
			LOWEST	33.1	16.4	6.2	94	84.6	16.7	37.1	62.5	6.6	27.6	3474	21915	33.9	18.9	7.5	92	82.6	16.5	35.3	56.8	6.1	34.0	3375	25977	
			CV (%)	4.9	6.6	6.4	3	1.0	7.0	5.3	2.1	4.4	8.0	2	7	3.4	3.5	4.0	2	0.7	5.6	4.5	2.0	5.7	5.3	1	5	
			LSD (5%)	4.2	1.6	0.6	8	2.4	3.6	5.9	3.8	0.4	4.1	178	5180	3.6	1.1	0.5	6	0.9	3.0	4.9	1.7	0.5	3.0	64	2009	

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

2007	LATE - TRIAL AVERAGE										MILK 2006				BRANCH - LATE										MILK 2006		
	YIELD					%QUALITY					MILK 2006				YIELD					%QUALITY					MILK 2006		
	%DM	GT/A	DT/A	%STD		IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD		IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	
BRAND / HYBRID	RM	TRT	TRAIT																								
BECK 5816CBRR	112	P250	1,2	41.0	21.9	9.0*	91	84.6	18.6	38.6	60.0	6.4	39.1	3528	31213	44.2	19.8	8.8*	99	85.5	18.0	37.6	61.2	6.4	41.4	3596	31412
BECK 6733	111	P250		36.7	25.0	9.2*	91	85.8	17.8	37.1	61.9	6.8	38.4	3610	32837	34.8	25.3	8.9*	100	86.4	18.0	37.3	63.6	6.7	37.7	3647	32318
CROPLAN 645TS	111	C250	1,2,3	43.0	21.2	9.1*	92	85.4	16.9	36.8	60.1	6.9	41.2	3586	32036	43.9	20.5	9.0*	100	85.8	17.5	38.4	62.7	6.8	40.9	3604	32178
CROWS 5304V73	114	C250	1,2,3	39.9	22.5	8.9	91	85.7	17.8	37.9	62.4	6.9	37.6	3589	31934	37.8	23.2	8.8*	100	85.6	18.9	38.7	62.9	6.8	38.4	3590	31623
DAIRYLAND HI DF-3012-6	112	P250	1	39.3	23.0	9.0*	90	85.8	18.2	37.5	62.1	6.4	38.2	3595	32283	41.3	22.3	9.2**	99	86.3	17.4	35.9	61.9	6.2	41.5	3655	33670
DAIRYLAND STEALTH-1615	113	P250		37.6	22.7	8.5	87	85.5	19.3	39.5	63.1	6.5	34.9	3485	29418	39.9	21.1	8.4*	95	86.3	18.1	37.2	63.0	6.1	41.0	3647	30661
DEKALB DKC61-45 (RR2/YGCB)	111	P250	1,2	41.8	20.3	8.5	94	84.9	17.4	36.8	59.0	6.3	41.6	3561	29943	41.1	19.2	7.9	99	85.2	17.7	36.7	59.6	6.5	41.6	3585	28219
DEKALB DKC61-66 (RR2/YGPL)	111	P250	1,2,3	41.5	22.3	9.3*	86	86.2	16.0	35.0	60.4	7.1	41.6	3649	33211	38.8	22.9	8.9*	95	86.5	17.3	36.9	63.0	6.9	39.9	3657	32577
DEKALB DKC63-42 (VT3)	113	P250	1,2,3	40.0	22.5	9.0*	90	85.0	17.7	37.0	59.6	6.7	40.9	3566	31924	38.7	22.0	8.5*	98	85.7	18.2	37.8	62.2	6.7	40.8	3606	30688
DEKALB DKC65-47 (RR2)	115	P250	1	39.5	22.5	8.9	90	86.1	17.3	37.2	62.5	6.9	38.5	3627	31704	39.2	21.9	8.6*	98	86.1	18.6	38.8	64.2	6.7	38.1	3620	30955
DYNAGRO 57F06	112	P250	3	41.3	19.8	8.2	74	84.5	18.3	38.0	59.0	6.7	37.8	3507	28573	45.1	18.3	8.3*	85	84.9	18.0	37.1	59.0	6.3	40.7	3569	29334
DYNAGRO 57P12	115	P250	1,2	37.1	23.2	8.6	91	85.1	19.5	39.5	62.1	6.5	35.4	3499	29975	37.7	23.6	8.8*	98	84.7	20.3	40.0	61.4	6.3	37.6	3535	31151
GARST 8295Y61RR	114	C250	1,2	38.8	24.2	9.4**	92	86.9	17.1	35.7	63.2	6.7	40.6	3685	34111	37.1	23.2	8.6*	99	87.2	17.9	36.7	65.0	6.6	40.4	3701	31792
MIDWEST 87215	116	C250	1,2,3	38.7	23.0	8.9	89	85.6	18.1	37.9	62.1	6.7	36.1	3523	31273	36.6	22.7	8.4*	99	86.1	17.8	36.5	62.2	6.5	39.3	3637	30412
MYCOGEN F2F721	113	C250	7	38.8	20.2	7.8	93	87.0	17.6	38.5	66.3	6.6	38.2	3670	28529	39.7	18.8	7.4	100	87.1	18.2	39.3	67.3	6.6	38.9	3677	27305
MYCOGEN F2F797	115	C250	7	37.1	20.7	7.7	92	87.3	19.1	40.4	68.5	6.6	35.0	3670	27912	38.9	19.0	7.4	98	86.9	19.8	41.4	68.3	6.7	34.4	3645	26797
MYCOGEN T27703	115	C250	1,2,3,4,8	38.1	23.4	8.9	89	85.2	18.8	39.0	61.9	6.6	38.2	3561	31503	38.1	23.8	9.0*	95	85.4	19.2	39.3	62.6	6.3	39.5	3579	32040
NK Brand N71-L7	112	C250	2,4	43.1	20.7	8.9	93	85.9	18.1	38.1	62.9	6.9	39.2	3606	31974	43.4	20.5	8.9*	99	86.4	18.4	38.3	64.3	6.5	41.3	3643	32479
NK Brand N91-J1	124	C250	2,4	33.6	25.5	8.5	92	82.1	23.3	45.4	60.6	6.4	31.5	3342	28448	31.7	27.4	8.6*	100	80.0	26.7	50.3	60.0	6.5	27.9	3198	27309
NuTech OC-213 YGCB	113	P250	2	41.7	21.8	9.0*	93	84.8	17.5	36.9	58.8	6.4	41.0	3554	31915	44.4	19.2	8.4*	100	84.0	18.6	38.5	58.6	6.4	40.1	3507	29703
NuTech 3C-712 RRYGCB	112	P250	1,2	39.7	20.9	8.3	91	85.5	17.9	38.4	62.3	7.3	38.7	3581	29697	38.3	19.9	7.7	98	86.1	17.9	38.1	63.8	7.6	38.9	3622	27852
PIONEER 33A88	117	P250	1,2,4,11	38.8	24.2	9.4**	92	86.4	17.4	36.7	62.7	6.6	39.7	3642	33595	37.9	23.7	9.0*	100	87.0	17.6	36.8	64.4	6.4	40.8	3690	33201
PIONEER 33T59	113	P250	2,3,4	40.7	21.5	8.8	93	86.8	16.7	36.4	63.7	6.8	40.3	3676	31678	39.5	20.7	8.1*	98	86.9	17.8	37.7	64.8	6.6	39.7	3676	29831
RENK RK852LLYGCB	112	P250	2,4	40.7	20.5	8.3	83	86.2	17.1	36.3	61.9	6.9	40.3	3639	29761	43.6	18.4	8.0*	92	86.0	18.1	37.3	62.1	6.5	41.1	3625	29035
RENK RK866YGPL NDS	112	P250	2,3	40.5	20.8	8.4	90	84.6	18.1	39.3	60.9	7.3	36.9	3525	29294	39.8	19.2	7.6	100	84.2	19.7	41.9	62.5	7.2	35.5	3489	26622
RUPP XS1938	113	C1250		44.4	19.9	8.8	90	84.5	17.3	36.4	57.5	6.5	41.6	3541	31215	46.3	18.0	8.3*	97	83.9	18.4	37.7	57.9	6.6	42.1	3508	29167
WELLMAN W2713	113			41.9	21.3	8.9	92	85.8	17.5	37.3	62.0	6.4	39.9	3612	31727	42.7	19.8	8.5*	96	86.1	17.8	37.4	62.9	6.3	41.0	3631	30783
AVERAGE				39.8	22.1	8.7	90	85.5	18.0	37.9	61.7	6.7	38.6	3579	31025	40.0	21.3	8.4	98	85.6	18.6	38.5	62.6	6.6	39.3	3598	30338
HIGHEST				44.4	25.5	9.4	94	87.3	23.3	45.4	68.5	7.3	41.6	3685	34111	46.3	27.4	9.2	100	87.2	26.7	50.3	68.3	7.6	42.1	3701	33670
LOWEST				33.6	19.8	7.7	74	82.1	16.0	35.0	57.5	6.3	31.5	3342	27912	31.7	18.0	7.4	85	80.0	17.3	35.9	57.9	6.1	27.9	3198	26622
CV (%)				4.5	5.9	5.5	4	0.9	6.6	5.2	2.5	4.4	6.7	2	6	5.6	5.7	4.9	3	1.1	7.4	5.5	2.3	4.3	6.6	2	5
LSD (5%)				1.4	1.1	0.4	3	0.7	1.0	1.6	1.2	0.2	2.1	58	1564	3.2	1.7	1.2	8	1.3	1.9	6.0	2.0	0.4	3.7	95	4688

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

2007				LENAWEE - LATE										WOOD (OHIO) - LATE													
RM	TRT	BRAND / HYBRID	TRAIT	YIELD				% QUALITY				MILK 2006				YIELD				% QUALITY				MILK 2006			
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	CP	STR	MK/T	MK/A		
112	P250	1,2	BECK 5816CBRR	38.1	21.5	8.2	97	84.5	19.0	39.8	61.0	6.7	34.4	3518	28772	40.8	23.4	9.6	98	83.8	18.7	38.4	57.7	6.0	41.7	3470	33454
111	P250		BECK 6733	37.1	23.9	8.8	97	85.9	17.7	38.0	62.9	7.0	35.1	3614	32200	38.1	24.7	9.4	97	85.2	17.5	36.2	59.1	6.6	42.5	3568	33992
111	C250	1,2,3	CROPLAN 645TS	42.7	20.0	8.5	100	85.9	15.9	35.2	60.0	7.1	40.3	3639	30997	42.4	21.9	9.3	98	84.4	17.1	36.9	57.8	6.7	42.3	3515	32932
114	C250	1,2,3	CROWS 5304V73	40.5	20.9	8.4	97	86.1	17.2	38.1	63.4	7.1	34.4	3595	30081	41.0	23.0	9.4	99	85.6	17.2	36.9	60.9	6.9	40.1	3582	34098
112	P250	1	DAIRYLAND HI DF-3012-6	38.7	20.3	7.9	97	85.8	18.7	39.3	63.8	6.7	33.4	3570	28009	37.9	25.8	9.8	95	85.2	18.4	37.5	60.5	6.3	39.7	3560	35172
113	P250		DAIRYLAND STEALTH-1615	35.5	21.1	7.5	94	84.7	21.5	43.8	65.2	6.6	25.0	3242	24463	36.9	24.8	9.2	92	85.4	18.3	37.6	61.2	6.8	38.7	3567	33129
111	P250	1,2	DEKALB DKC61-45 (RR2/YGCB)	42.8	20.0	8.5	100	85.7	16.3	35.6	59.9	6.3	41.2	3624	31018	41.5	21.0	8.7	103	83.8	18.2	38.0	57.4	6.2	42.1	3475	30591
111	P250	1,2,3	DEKALB DKC61-66 (RR2/YGPL)	41.7	20.6	8.6	92	86.5	15.6	34.9	61.2	7.2	39.6	3673	31579	44.0	22.0	9.7	90	85.8	14.9	33.1	56.9	7.3	45.4	3618	35478
113	P250	1,2,3	DEKALB DKC63-42 (VT3)	40.8	21.2	8.6	98	85.5	16.3	35.2	58.6	6.9	39.7	3611	31058	40.6	23.9	9.7	96	83.9	18.6	38.1	57.9	6.4	42.2	3481	34027
115	P250	1	DEKALB DKC65-47 (RR2)	37.9	21.5	8.1	100	86.4	17.1	37.5	63.8	7.1	35.0	3651	29541	41.0	23.2	9.5	93	85.8	16.2	35.2	59.6	7.0	42.3	3609	34615
112	P250	3	DYNAGRO 57F06	37.5	18.7	7.0	64	85.1	18.7	39.5	62.2	7.2	31.7	3496	24663	41.3	22.0	9.1	89	83.4	18.2	37.5	55.7	6.6	41.1	3455	31722
115	P250	1,2	DYNAGRO 57P12	36.4	21.0	7.7	98	86.0	19.6	41.3	66.0	6.9	28.6	3430	26533	37.8	24.0	9.0	97	84.7	18.5	37.3	59.0	6.3	40.2	3531	32240
114	C250	1,2	GARST 8295YG1RR	39.6	23.5	9.3	**	87.2	16.1	34.8	63.3	6.8	39.5	3719	34289	39.8	24.8	9.9	99	86.3	17.2	35.5	61.3	6.7	42.0	3634	36251
116	C250	1,2,3	MIDWEST 87215	37.8	19.9	7.5	96	85.0	19.6	41.5	63.9	7.0	27.7	3324	25149	41.3	25.4	10.5	**	85.8	17.0	35.6	60.1	6.4	41.5	3607	38259
113	C250	7	MYCOGEN F2F721	37.3	20.5	7.7	100	87.3	17.8	39.4	67.7	6.7	34.0	3690	28150	39.4	20.7	8.2	100	86.6	16.9	36.9	63.8	6.5	41.8	3644	30132
115	C250	7	MYCOGEN F2F797	36.8	20.7	7.6	97	88.0	18.0	38.5	68.9	6.7	35.0	3739	28544	35.9	21.5	7.7	100	87.0	19.5	41.1	68.3	6.5	35.6	3626	28397
115	C250	1,2,3,4,8	MYCOGEN T27703	38.2	21.7	8.3	98	86.0	17.7	37.7	62.7	6.8	37.0	3627	30315	38.5	23.8	9.2	94	84.2	19.5	39.9	60.4	6.7	38.2	3478	32154
112	C250	2,4	NK Brand N71-L7	42.8	19.9	8.5	100	85.6	18.3	38.6	62.8	7.2	35.6	3596	30486	42.9	21.3	9.1	101	85.6	17.7	37.4	61.5	7.0	40.7	3579	32959
124	C250	2,4	NK Brand N91-J1	35.2	22.4	8.0	95	84.2	20.6	42.1	62.3	6.6	32.1	3492	27767	34.3	26.1	9.0	104	82.2	22.5	43.9	59.4	6.3	34.5	3336	30267
113	P250	2	NuTech OC-213 YGCB	39.5	22.4	8.8	100	85.6	17.0	36.6	60.5	6.6	38.3	3607	32079	41.3	23.0	9.5	99	84.8	17.0	35.6	57.2	6.2	44.5	3547	33964
112	P250	1,2	NuTech 3C-712 RRYGCB	39.9	21.1	8.4	100	85.4	18.0	39.0	62.6	7.3	35.6	3681	29974	40.8	21.4	8.7	96	85.0	17.7	38.0	60.4	7.1	41.5	3540	31266
117	P250	1,2,4,11	PIONEER 33A88	38.3	23.4	8.9	97	86.7	16.7	36.2	63.1	7.1	36.7	3657	32793	39.8	24.2	9.6	99	85.5	17.9	37.0	60.7	6.3	41.8	3578	34790
113	P250	2,3,4	PIONEER 33T59	40.8	21.0	8.5	99	87.3	16.3	36.1	64.8	7.1	38.1	3711	31554	41.8	21.9	9.2	102	86.4	16.1	35.4	61.5	6.7	43.6	3641	33649
112	P250	2,4	RENK RK852LLYGCB	39.3	19.7	7.7	87	86.9	16.2	35.4	63.0	7.1	38.6	3690	28631	39.3	22.0	8.6	88	85.8	17.0	36.1	60.7	7.3	41.2	3601	31617
112	P250	2,3	RENK RK866YGPL NDS	38.7	20.4	7.9	97	85.8	17.1	38.3	62.9	7.5	33.3	3602	28275	42.6	21.9	9.3	93	84.0	17.4	37.6	57.4	7.2	41.9	3483	32985
113	C1250		RUPP XS1938	42.3	20.9	8.8	96	85.4	16.7	36.4	59.7	6.7	38.5	3596	31710	44.6	20.6	9.2	98	84.2	16.8	35.1	55.0	6.3	44.3	3520	32769
113			WELLMAN W2713	38.8	21.7	8.4	97	85.8	18.3	39.4	63.9	6.9	34.0	3601	30206	44.0	21.3	9.3	102	85.7	16.4	35.0	59.1	6.1	44.9	3605	34192
AVERAGE				39.1	21.1	8.2	96	85.9	17.7	38.1	63.0	6.9	35.3	3589	29587	40.4	23.0	9.2	97	85.0	17.7	37.1	59.6	6.6	41.3	3550	33152
HIGHEST				42.8	23.9	9.3	100	88.0	21.5	43.8	68.9	7.5	41.2	3739	34289	44.6	26.1	10.5	104	87.0	22.5	43.9	68.3	7.3	45.4	3644	38259
LOWEST				35.2	18.7	7.0	64	84.2	15.6	34.8	58.6	6.3	25.0	3242	24463	34.3	20.6	7.7	88	82.2	14.9	33.1	55.0	6.0	34.5	3336	28397
CV (%)				4.0	5.9	6.0	4	0.8	6.1	5.3	2.4	3.9	8.6	3	7	3.1	5.1	4.4	4	0.8	6.3	4.7	2.5	4.6	4.9	1	5
LSD (5%)				1.8	1.5	0.6	6	1.0	1.5	2.9	2.2	0.4	4.3	131	3081	3.5	1.7	1.1	6	1.0	3.1	4.0	4.2	0.4	5.7	143	2255

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 7E - Continued from page 35.

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

2 Year Averages 2007 - 2006										EARLY - TRIAL AVERAGE										BRANCH - EARLY									
BRAND / HYBRID		RM	TRT	TRAIT	YIELD				% QUALITY				MILK 2006		YIELD				% QUALITY				MILK 2006						
					%DM	GT/IA	DT/IA	%STD	IVD	ADF	NDF	NDFF	CP	STR	%DM	GT/IA	DT/IA	%STD	IVD	ADF	NDF	NDFF	CP	STR	MKT	MK/IA			
	DAIRYLAND HI DF-3002	102	P250		40.2	20.6	8.1 *	95	82.4	20.7	41.7	57.7	6.3	37.7	3455	28142	46.3	18.7	8.4 *	95	82.5	19.7	39.6	55.8	6.5	40.7	3455	29060	
	DAIRYLAND HI DF-3007	106	P250		36.9	22.7	8.2 **	99	82.2	21.6	43.3	58.9	6.5	35.4	3454	28319	43.5	20.8	8.7 **	98	82.5	20.1	40.5	56.8	6.6	39.1	3474	30351	
	DAIRYLAND STEALTH-5007	107	P250	2	39.5	20.6	8.0 *	97	82.2	20.8	41.4	57.1	6.2	38.4	3453	27725	43.5	20.2	8.5 *	98	82.6	19.2	38.3	54.6	6.6	41.5	3472	29553	
	RUPP XS1650	105	C1250		38.0	20.6	7.8 *	89	81.6	21.9	42.9	57.2	6.6	35.5	3409	26433	43.5	19.9	8.5 *	89	82.5	19.7	39.5	55.5	6.7	39.9	3473	29366	
	AVERAGE				38.7	21.1	8.0	95	82.1	21.2	42.3	57.7	6.4	36.8	3443	27655	44.2	19.9	8.5	95	82.5	19.7	39.5	55.7	6.6	40.3	3468	29582	
	HIGHEST				40.2	22.7	8.2	99	82.4	21.9	43.3	58.9	6.6	38.4	3455	28319	46.3	20.8	8.7	98	82.6	20.1	40.5	56.8	6.7	41.5	3474	30351	
	LOWEST				36.9	20.6	7.8	89	81.6	20.7	41.4	57.1	6.2	35.4	3409	26433	43.5	18.7	8.4	89	82.5	19.2	38.3	54.6	6.5	39.1	3455	29060	
	CV (%)				4.7	6.9	6.4	5	1.3	8.4	5.8	2.4	4.9	6.5	2	7	5.1	7.4	6.5	4	1.3	8.0	5.6	2.4	4.0	5.5	2	7	
	LSD (5%)				1.5	1.2	0.4	4	0.9	1.3	1.8	1.2	0.3	2.0	66	1712	2.2	1.5	0.6	4	1.0	1.5	2.1	1.4	0.3	2.3	70	2332	

3 Year Averages 2007 - 2005										EARLY - TRIAL AVERAGE										BRANCH - EARLY																										
BRAND / HYBRID		RM TRT TRAIT		YIELD				% QUALITY				MILK 2006		YIELD				% QUALITY				MILK 2006																								
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/FD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/FD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/FD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/FD	CP	STR	MILK 2006	MKT	MK/A
DAIRY/LAND HI DF-3007		106	P250	39.3	21.9	8.4	**	98	81.1	21.3	41.4	54.2	6.5	37.0	3334	26697	45.3	20.2	8.9	**	98	81.4	19.5	38.7	51.8	6.5	40.4	3330	28355																	
RUPP XS1650		105	C1250	40.5	20.1	8.0		89	82.2	20.6	41.0	56.4	6.4	37.4	3436	28931	45.1	19.2	8.5	*	89	82.6	19.0	38.3	54.2	6.4	40.7	3423	30613																	
AVERAGE				39.9	21.0	8.2		94	81.7	20.9	41.2	55.3	6.5	37.2	3385	27814	45.2	19.7	8.7		93	82.0	19.3	38.5	53.0	6.4	40.6	3377	29484																	
CV (%)				5.4	6.1	6.0		4	1.4	8.0	5.8	2.5	4.4	6.5	2	7	5.2	6.9	6.2		4	1.3	7.9	5.8	2.6	3.8	5.7	2	7																	
LSD (5%)				1.3	0.8	0.3		2	0.7	0.9	1.4	0.9	0.2	1.5	49	1138	1.9	1.1	0.5		3	0.9	1.2	1.8	1.2	0.2	1.9	58	1766																	

2 Year Averages 2007 - 2006										LENAWEE - EARLY										WOOD (OHIO) - EARLY																		
BRAND / HYBRID		RM	TRT	TRAIT	YIELD			% QUALITY			MILK 2006			YIELD			% QUALITY			MILK 2006			YIELD			% QUALITY			MILK 2006									
					%DM	GT/IA	DT/IA	%STD	IVD	ADF	NDF	ND/DF	CP	STR	%DM	GT/IA	DT/IA	%STD	IVD	ADF	NDF	ND/DF	CP	STR	%DM	GT/IA	DT/IA	%STD	IVD	ADF	NDF	ND/DF	CP	STR				
	DAIRYLAND HI DF-3002	102	P250		34.3	21.5	7.4	* 94	82.8	21.3	43.0	60.2	6.7	34.8	3503	25779	40.0	21.7	8.6	** 95	81.8	21.1	42.4	57.0	5.8	37.6	3406	29587	34.3	21.5	7.4	* 94	81.8	21.1	42.4	57.0	5.8	37.6
	DAIRYLAND HI DF-3007	106	P250		32.0	23.9	7.5	** 99	83.1	21.5	43.6	61.6	6.8	34.2	3517	26475	35.3	23.5	8.3	* 99	81.1	23.2	45.8	58.4	6.0	33.0	3372	28130	32.0	23.9	7.5	** 99	81.1	23.2	45.8	58.4	6.0	33.0
	DAIRYLAND STEALTH-5007	107	P250	2	35.4	20.1	7.0	95	82.7	21.4	43.1	60.0	6.2	36.2	3499	24419	39.7	21.7	8.6	** 98	81.4	21.8	42.9	56.7	5.8	37.6	3388	29203	35.4	20.1	7.0	95	81.4	21.8	42.9	56.7	5.8	37.6
	RUPP XS1650	105	C1250		33.0	19.7	6.5	82	82.1	22.3	44.2	59.9	7.2	32.9	3455	25299	37.4	22.2	8.3	* 95	80.2	23.6	44.9	56.2	6.0	33.8	3299	27405	33.0	19.7	6.5	82	80.2	23.6	44.9	56.2	6.0	33.8
	AVERAGE				33.7	21.3	7.1	93	82.7	21.6	43.5	60.4	6.7	34.5	3493	24800	38.1	22.3	8.4	97	81.1	22.4	44.0	57.1	5.9	35.5	3366	28581	33.7	21.3	7.1	93	81.1	22.4	44.0	57.1	5.9	35.5
	HIGHEST				35.4	23.9	7.5	100	83.1	22.3	44.2	61.6	7.2	36.2	3517	26475	40.0	23.5	8.6	99	81.8	23.6	45.8	58.4	6.0	37.6	3406	29587	35.4	23.9	7.5	100	81.8	23.6	45.8	58.4	6.0	37.6
	LOWEST				32.0	19.7	6.5	82	82.1	21.3	43.0	59.9	6.2	32.9	3455	25299	35.3	21.7	8.3	95	80.2	21.1	42.4	56.2	5.8	33.0	3299	27405	32.0	19.7	6.5	82	80.2	21.1	42.4	56.2	5.8	33.0
	CV (%)				4.7	6.9	7.1	5	1.1	7.6	5.4	2.1	4.8	7.4	2	8	4.0	4.3	4.8	3	1.2	7.4	5.4	2.4	5.3	6.1	2	6	4.7	6.9	7.1	5	1.2	7.4	5.4	2.4	5.3	6.1
	LSD (5%)				1.4	1.2	0.4	5	0.9	1.4	2.2	1.3	0.3	2.6	71	1953	1.5	1.0	0.4	3	1.0	1.5	2.2	1.4	0.3	2.3	73	1635	1.4	1.2	0.4	5	1.0	1.5	2.2	1.4	0.3	2.3

3 Year Averages 2007 - 2005										LENAWEE - EARLY										WOOD (OHIO) - EARLY									
BRAND / HYBRID		RM	TRT	TRAIT	YIELD				% QUALITY				MILK 2006		YIELD				% QUALITY				MILK 2006						
					%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/DF	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	ND/DF	CP	STR	MK/T	MK/A	
	DAIRYLAND HI DF-3007	106	P250		36.0	22.5	7.9 **	99	81.7	21.1	41.4	55.7	7.0	36.1	3356	24093	36.5	23.1	8.4 **	97	80.1	23.3	44.1	55.0	6.1	34.5	3315	27644	
	RUPP XS1650	105	C1250		38.6	18.9	7.2	85	83.1	20.3	40.8	58.3	6.8	36.8	3493	27602	37.8	22.0	8.3 *	94	81.1	22.5	43.9	56.7	6.1	34.6	3392	28578	
AVERAGE					37.3	20.7	7.6	92	82.4	20.7	41.1	57.0	6.9	36.5	3425	25848	37.2	22.6	8.4	95	80.6	22.9	44.0	55.9	6.1	34.6	3354	28111	
CV (%)					6.0	7.0	7.0	5	1.3	8.0	5.8	2.4	4.6	7.2	2	7	4.0	4.3	4.9	3	1.3	7.5	5.5	2.4	5.0	6.3	2	5	
LSD (5%)					1.5	1.0	0.3	4	0.9	1.2	1.9	1.2	0.3	2.1	68	1574	1.2	0.8	0.3	2	0.9	1.2	1.1	1.1	0.3	2.0	62	1281	

2 Year Averages 2007 - 2006										BRANCH - LATE																		
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY				YIELD				% QUALITY				MILK 2006								
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T	
BECK 5816CBRR	112	P250	1,2	40.1	22.6	9.0	**	82.7	19.7	39.5	56.0	6.3	39.1	3436	30672	43.6	20.6	8.9	*	96	83.6	17.9	36.4	54.7	6.4	43.4	3451	30714
DAIRYLAND STEALTH-1615	113	P250		37.7	22.8	8.6	*	84.3	19.3	39.0	59.3	6.4	37.3	3536	30323	39.3	22.6	8.9	*	92	85.3	17.5	35.8	58.6	6.3	41.9	3657	32409
DEKALB DK061-45 (RR2/YGCB)	111	P250	1,2	39.1	21.9	8.5		82.9	19.2	39.0	56.3	6.3	39.9	3495	29553	40.4	21.2	8.5		99	83.4	18.1	36.9	55.0	6.5	42.2	3502	29716
DYNAGRO 57P12	115	P250	1,2	36.8	24.2	8.9	*	83.4	20.5	40.6	58.9	6.4	36.4	3497	30988	37.4	25.1	9.3	*	96	83.4	20.0	39.3	57.6	6.5	39.1	3536	32902
GARST 8295Y/G1/RR	114	C250	1,2	37.8	23.1	8.7	*	84.8	18.9	38.0	60.3	6.6	38.6	3641	31495	38.3	22.8	8.7		93	85.0	18.7	37.6	60.3	6.7	40.2	3628	31581
MYCOGEN F2F797	115	C250	7	35.5	22.2	7.8	*	85.3	20.5	42.3	65.4	6.6	33.8	3687	28658	37.0	21.4	7.8		95	84.9	20.4	41.9	64.1	6.7	35.0	3663	28678
NK Brand N91-J1	124	C250	2,4	32.4	27.2	8.8	*	80.3	24.8	47.3	58.2	6.3	29.9	3318	29048	33.0	28.6	9.4	**	100	79.8	24.6	46.5	56.0	6.5	32.3	3279	30733
WELLMAN W2713	113			39.9	22.5	9.0	**	83.8	19.0	38.9	58.3	6.3	39.1	3545	31462	41.7	21.6	9.0	*	98	84.3	17.9	37.1	57.9	6.3	42.1	3559	31966
AVERAGE				37.4	23.3	8.7		83.4	20.2	40.6	59.1	6.4	36.8	3519	30275	38.8	23.0	8.8		96	83.7	19.4	38.9	58.0	6.5	39.5	3534	31087
HIGHEST				40.1	27.2	9.0		85.3	24.8	47.3	65.4	6.6	39.9	3687	31495	43.6	28.6	9.4		100	85.3	24.6	46.5	56.0	6.7	43.4	3663	32902
LOWEST				32.4	21.9	7.8		80.3	18.9	38.0	56.0	6.3	29.9	3318	28658	33.0	20.6	7.8		92	79.8	17.5	35.8	54.7	6.3	32.3	3279	28678
CV (%)				5.2	7.1	6.2	5	1.3	8.1	5.8	2.6	6.2	6.3	3	6	5.8	6.0	5.8	4	1.3	7.8	5.6	2.6	4.2	6.0	2	6	
LSD (5%)				1.6	1.3	0.4	3	0.9	1.2	1.8	1.2	0.3	1.9	72	1590	2.3	1.3	0.5	3	1.1	1.5	2.1	1.5	0.3	2.4	88	1755	

3 Year Averages 2007 - 2005										BRANCH - LATE										MILK 2006									
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY				YIELD				% QUALITY				MILK 2006									
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T		
DAIRYLAND STEALTH-1615	113	P250		40.2	21.9	8.7	*	83.5	19.0	37.9	56.1	6.2	39.3	3465	30135	42.6	21.0	8.9		94	83.9	17.5	35.5	54.4	6.1	42.9	3491	30878	
DEKALB DK061-45 (RR2/YGCB)	111	P250	1,2	41.2	21.0	8.5		82.2	19.0	38.2	53.4	6.4	40.7	3407	29034	42.7	20.2	8.5		100	82.1	18.3	37.1	51.8	6.4	42.3	3360	28578	
NK Brand N91-J1	124	C250	2,4	33.4	27.2	9.0	**	79.5	25.2	46.9	56.3	6.3	29.2	3294	29501	35.6	26.7	9.4	**	100	79.8	23.9	44.8	54.5	6.2	33.1	3297	30878	
AVERAGE				38.3	23.4	8.7		81.8	21.1	41.0	55.3	6.3	36.4	3389	29557	40.3	22.6	8.9		98	82.0	19.9	39.1	53.6	6.2	39.5	3363	30111	
HIGHEST				41.2	27.2	9.0		83.5	25.2	46.9	56.3	6.4	40.7	3465	30135	42.7	26.7	9.4		100	83.9	23.9	44.8	54.5	6.4	42.9	3491	30878	
LOWEST				33.4	21.0	8.5		79.5	19.0	37.9	53.4	6.2	29.2	3294	29034	35.6	20.2	8.5		94	79.8	17.5	35.5	51.8	6.1	33.1	3297	28578	
CV (%)				5.7	6.8	6.0	4	1.3	7.7	5.5	2.7	4.9	6.6	2	6	5.7	6.2	6.1	3	1.3	7.4	5.4	2.8	4.3	6.0	2	6		
LSD (5%)				1.3	0.9	0.3	2	0.6	0.9	1.3	1.0	0.2	1.5	51	1169	1.8	1.1	0.4	2	0.9	1.1	1.7	1.3	0.2	1.9	69	1472		

2 Year Averages 2007 - 2005										WOOD (OHIO) - LATE										MILK 2006									
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY				YIELD				% QUALITY				MILK 2006									
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T		
BECK 5816CBRR	112	P250	1,2	36.8	23.0	8.4	**	82.4	20.5	40.8	57.0	6.5	36.2	3442	28908	39.6	23.8	9.4	**	94	82.0	20.6	41.2	56.5	6.1	37.8	3414	32393	
DAIRYLAND STEALTH-1615	113	P250		36.0	21.6	7.6		83.8	20.5	41.3	60.5	6.4	32.3	3418	26031	37.6	24.4	9.2	*	90	83.6	19.9	39.8	58.9	6.5	37.8	3533	32529	
DEKALB DK061-45 (RR2/YGCB)	111	P250	1,2	38.6	21.2	8.1	*	83.3	18.9	38.8	57.3	6.2	39.6	3543	28708	38.6	22.8	8.7		100	82.1	20.5	41.3	56.6	6.3	37.9	3440	30234	
DYNAGRO 57P12	115	P250	1,2	36.2	22.3	8.1	*	84.5	19.6	40.2	61.2	6.4	34.2	3512	28544	37.0	24.7	9.1	*	95	82.2	22.0	42.3	57.9	6.3	36.0	3444	31519	
GARST 8295Y/G1/RR	114	C250	1,2	37.5	21.4	8.1	*	85.4	18.1	37.3	61.0	6.8	38.5	3702	29898	37.6	24.1	9.1	*	95	84.1	20.0	39.3	59.7	6.5	37.0	3593	33006	
MYCOGEN F2F797	115	C250	7	35.6	20.4	7.3		85.6	19.5	40.6	64.8	6.4	35.3	3708	27089	34.0	24.1	8.1		100	85.5	21.5	44.3	67.3	6.6	30.9	3691	30207	
NK Brand N91-J1	124	C250	2,4	32.2	23.7	7.7		81.1	24.4	46.9	59.9	6.1	29.8	3387	26044	32.3	28.6	9.2	*	101	79.9	25.5	48.4	58.5	6.3	27.8	3287	30369	
WELLMAN W2713	113			38.0	21.6	8.3	*	84.2	18.5	38.6	58.9	6.5	37.4	3571	29574	40.0	23.5	9.3	*	99	82.8	20.6	41.1	58.3	6.1	37.9	3506	32846	
AVERAGE				36.4	21.9	7.9		83.8	20.0	40.6	60.1	6.4	35.4	3535	28100	37.1	24.5	9.0		97	82.8	21.3	42.2	59.2	6.3	35.4	3489	31638	
HIGHEST				38.6	23.7	8.4		85.6	24.4	46.9	64.8	6.8	39.6	3708	29898	40.0	28.6	9.4		101	85.5	25.5	48.4	67.3	6.6	37.9	3691	33006	
LOWEST				32.2	20.4	7.3		81.1	18.1	37.3	57.0	6.1	29.8	3387	26031	32.3	22.8	8.1		90	79.9	19.9	39.3	56.5	6.1	27.8	3287	30207	
CV (%)				5.0	7.6	7.0	5	1.2	7.2	5.6	2.6	6.4	7.5	3	8	3.7	4.6	4.6	4	1.1	7.5	5.4	2.3	5.2	5.8	2	5		
LSD (5%)				1.6	1.3	0.5	5	1.0	1.3	2.2	1.6	0.4	2.7	90	2167	1.4	1.1	0.4	4	0.9	1.4	2.1	1.4	0.3	2.2	69	1691		

3 Year Averages 2007 - 2005										WOOD (OHIO) - LATE										MILK 2006									
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY				YIELD				% QUALITY				MILK 2006									
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/A	MK/T		
DAIRYLAND STEALTH-1615	113	P250		39.7	20.4	7.9	*	83.9	19.0	38.1	56.8	6.2	36.9	3406	26857	38.1	24.5	9.3	**	92	82.8	20.5	40.0	57.0	6.4	38.2	3499	32671	
DEKALB DK061-45 (RR2/YGCB)	111	P250	1,2	42.2	19.9	8.2	*	83.2	17.9	36.7	54.1	6.3	41.7	3458	28383	38.8	22.8	8.8	*	98	81.4	20.7	40.8	54.4	6.3	38.2	3403	30141	
NK Brand N91-J1	124	C250	2,4	33.2	24.9	8.3	**	80.3	25.0	46.8	58.0	6.4	28.7	3363	27842	31.4	29.5	9.2	*	100	78.6	26.7	49.2	56.5	6.4	25.8	3220	29784	
AVERAGE				38.4	21.7	8.1		82.5	20.7	40.5	56.3	6.3	35.8																

HURON, INGHAM & IONIA COUNTY SILAGE TRIALS - EARLY (104 Day and Earlier)

TABLE 8E.

2007			EARLY - TRIAL AVERAGE										HURON - EARLY										MILK 2006				
BRAND / HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY							YIELD			% QUALITY							MILK 2006	MK/IA		
				%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR				
CROPLAN 4664RB	103	C250	1,2	34.3	20.8	7.2	97	84.3	21.0	42.1	62.7	6.7	38.2	3503	25124	34.7	19.1	6.6	95	85.5	19.7	40.7	64.5	6.7	39.0	3612	23916
CROPLAN 491TS	102	C250	1,2,3	33.4	21.5	7.1	99	84.7	21.5	42.9	64.5	6.6	35.9	3525	25035	34.1	19.2	6.6	100	86.5	20.0	40.7	66.8	6.5	38.3	3672	24067
CROWS 2117T	100	C250	1,2,3	37.2	19.5	7.2	100	84.7	20.2	40.8	62.5	6.3	38.1	3542	25417	36.5	16.9	6.2	99	87.1	18.2	38.5	66.0	6.2	40.6	3724	22786
DAIRYLAND HI DF-3002	102	P250		33.0	23.3	7.6**	100	83.4	22.6	44.2	62.4	6.2	34.8	3441	26190	32.1	19.2	6.2	100	84.4	22.9	45.5	65.8	5.9	32.6	3526	21706
DEKALB DKC45-92 (RR2)	95	P250	1	34.9	21.0	7.2*	99	85.3	20.8	41.9	64.6	6.4	36.6	3562	25756	33.8	17.9	6.0	99	87.0	19.9	40.8	68.0	6.4	37.8	3695	22254
DEKALB DKC50-48 (RR2/YGCB)	100	P250	1,2	33.2	22.2	7.3*	99	86.0	20.8	42.5	67.2	6.3	37.8	3599	26386	31.8	20.4	6.5*	99	87.6	19.7	40.6	69.6	6.3	38.3	3734	24254
DEKALB DKC54-46 (RR2/YGPL)	104	P250	1,2,3	32.8	20.9	6.8	97	84.5	22.3	43.4	64.2	6.6	33.9	3504	23989	31.1	17.8	5.5	95	86.1	21.6	44.0	68.5	6.7	32.1	3621	20113
DYNAGRO 54142	100	P250	1,2,3,4	32.9	22.9	7.5*	97	85.0	20.8	42.0	64.0	6.2	36.0	3546	26516	32.8	19.2	6.3*	96	85.9	20.5	42.3	66.9	6.3	35.5	3627	22844
DYNAGRO 55F43	104	P250	2	34.0	20.7	7.0	94	82.2	23.7	45.9	61.2	6.2	33.3	3362	23530	31.9	17.0	5.4	88	83.8	23.3	46.3	64.9	6.3	32.7	3480	18898
GARST 8693CB/LL	105	C250	2,4	31.4	23.1	7.3*	99	85.2	22.1	43.8	66.2	6.3	33.6	3546	25689	28.8	19.8	5.7	99	86.2	22.6	45.0	69.2	6.0	32.5	3624	20647
GREAT LAKES 5098G3	100	P250	1,2,3	37.1	19.5	7.2	94	84.4	21.0	42.4	63.3	6.5	36.5	3513	25207	36.0	15.9	5.7	94	85.9	20.8	41.7	66.3	6.2	36.7	3630	20717
GREAT LAKES 5417	104	P250	5	33.9	21.7	7.3*	93	85.3	21.1	42.3	65.2	6.2	34.8	3560	26061	32.3	19.5	6.3*	91	86.5	20.6	41.8	67.5	6.1	34.6	3666	23055
HYLAND SEEDS HLB52R	101	P250	1,2	34.3	20.5	7.1	97	83.0	23.0	45.0	62.5	6.2	34.5	3418	24078	32.6	18.1	5.9	95	85.1	22.0	44.6	66.5	6.1	34.7	3573	20898
HYLAND SEEDS HLCBR84	101	P250	1,2,3	33.7	21.3	7.2	95	82.8	23.2	45.3	61.8	6.3	35.0	3399	24298	32.6	17.7	5.8	96	83.7	23.6	46.7	65.1	6.0	33.1	3473	19969
HYLAND SEEDS HLSR59	101	P250	1	30.3	22.5	6.8	95	82.4	26.0	49.8	64.6	6.2	25.2	3325	22599	28.6	18.9	5.4	92	85.0	26.3	51.5	70.7	6.0	20.5	3448	18531
MIDWEST 7050S3	101	C250	1,2,3	34.8	20.5	7.2*	89	85.9	20.3	41.9	66.4	6.7	35.5	3598	25962	33.9	16.9	5.7	85	86.8	20.1	42.3	68.9	6.6	33.1	3678	21042
MYCOGEN F2F-485	98	C250	7	33.7	19.2	6.5	100	87.9	20.1	42.5	71.9	7.0	34.2	3686	23828	32.8	16.9	5.6	100	89.0	19.2	41.3	73.8	6.9	34.2	3761	21122
NuTech 3C-303 RRYGCB	103	P250	1,2	33.3	21.6	7.2	98	82.9	23.0	45.9	62.7	6.3	32.8	3405	24531	33.3	20.3	6.8**	95	84.7	21.7	44.0	65.2	6.1	34.6	3547	23938
NuTech 3P-302 RRYGPLUS	102	P250	1,2,3	34.0	21.4	7.3*	99	84.2	21.7	43.3	63.8	6.3	34.5	3494	25357	34.3	18.5	6.4*	100	86.2	20.7	42.3	67.5	5.9	35.6	3643	23160
NuTech 3T-799 VT3	99	P250	1,2,3	33.8	21.1	7.1	96	82.8	22.5	44.2	61.1	6.7	35.6	3408	24208	35.1	17.6	6.2	92	84.5	21.4	43.3	64.1	6.7	36.7	3538	21799
PIONEER 36K69	103	P250	1,2,4,11,13	33.2	22.9	7.6**	99	84.7	20.9	41.9	63.5	6.5	37.5	3532	26801	32.7	19.4	6.3*	99	86.4	19.5	40.4	66.5	6.3	38.8	3668	22255
PIONEER 37N15	96	P250	1,2,4,11	38.6	19.0	7.3*	98	83.9	20.5	40.9	60.7	6.6	39.9	3493	25370	37.8	15.4	5.8	98	86.1	19.7	40.6	65.4	6.4	39.3	3647	21152
PIONEER 38H72	99	P250	1,2,3,4,11	37.0	19.0	7.1	99	84.9	20.3	41.2	63.4	6.5	37.5	3549	25046	38.0	16.9	6.4*	100	86.6	18.7	38.9	65.5	6.2	39.9	3690	23698
TRELAY 5K626	100	P250	1,2,3	36.6	18.8	6.8	98	84.8	20.0	40.6	62.6	6.4	38.6	3550	23976	35.0	15.2	5.3	98	86.4	19.3	40.3	66.5	6.4	39.2	3667	19447
AVERAGE				34.2	21.0	7.2	97	84.4	21.6	43.2	63.9	6.4	35.4	3503	25040	33.4	18.1	6.0	96	86.0	20.9	42.7	67.1	6.3	35.4	3623	21803
HIGHEST				38.6	23.3	7.6	100	87.9	26.0	49.8	71.9	7.0	39.9	3686	26801	38.0	20.4	6.8	100	89.0	26.3	51.5	73.8	6.9	40.6	3761	24254
LOWEST				30.3	18.8	6.5	89	82.2	20.0	40.6	60.7	6.2	25.2	3325	22599	28.6	15.2	5.3	85	83.7	18.2	38.5	64.1	5.9	20.5	3448	18531
CV (%)				5.3	7.5	7.4	3	1.4	6.9	5.3	2.8	5.7	7.9	2	8	4.3	6.0	7.5	4	0.9	6.0	4.4	1.7	4.8	6.7	2	8
LSD (5%)				1.5	1.3	0.4	2	1.0	1.2	1.8	1.5	0.3	2.3	64	1702	1.7	2.6	0.5	5	1.1	1.8	2.7	1.6	0.9	3.4	79	2389

2 Year Averages 2007 - 2006			EARLY - TRIAL AVERAGE											MILK 2006											HURON - EARLY											MILK 2006	
BRAND / HYBRID			RM TRT TRAIT			YIELD			% QUALITY					MILK 2006			YIELD			% QUALITY					MILK 2006												
			RM	TRT	TRAIT	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/IA	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/IA								
CROPLAN 491TS			102	C250	1,2,3	34.9	22.9	8.0 *	97	83.7	20.4	40.7	59.5	6.8	38.2	3523	28012	38.4	21.0	8.2 **	100	84.7	18.7	37.7	58.6	6.5	41.7	3538	28601								
DAIRYLAND HI DF-3002			102	P250		34.4	23.6	8.1 *	98	82.2	21.8	42.8	58.4	6.4	36.1	3451	27928	35.4	21.2	7.6	100	82.1	22.2	43.7	58.6	6.0	35.6	3432	25766								
HYLAND SEEDS HLSR59			101	P250	1	32.2	23.3	7.6	88	81.8	23.9	46.2	60.0	6.6	28.8	3397	25649	33.4	21.3	7.3	89	83.3	22.7	44.5	60.8	6.1	29.8	3460	25126								
PIONEER 36K69			103	P250	1,2,4,11,13	33.6	24.6	8.3 **	99	83.5	21.1	41.6	60.3	6.7	37.4	3558	29336	34.2	22.8	7.8 *	97	84.1	20.3	40.3	60.6	6.3	38.5	3610	28090								
AVERAGE						33.8	23.6	8.0	95	82.8	21.8	42.8	59.6	6.6	35.1	3482	27731	35.3	21.6	7.7	99	83.5	21.0	41.5	59.6	6.2	36.4	3510	26896								
HIGHEST						34.9	24.6	8.3	99	83.7	23.9	46.2	60.3	6.8	38.2	3558	29336	38.4	22.8	8.2	100	84.7	22.7	44.5	60.8	6.5	41.7	3610	28601								
LOWEST						32.2	22.9	7.6	88	81.8	20.4	40.7	58.4	6.4	28.8	3397	25649	33.4	21.0	7.3	89	82.1	18.7	37.7	58.6	6.0	29.8	3432	25126								
CV (%)						5.7	6.9	7.0	4	1.3	7.7	5.7	2.5	5.4	7.2	2	8	5.2	6.4	7.4	3	1.2	7.1	5.3	2.1	4.9	6.4	2	8								
LSD (5%)						1.6	1.2	0.4	3	0.9	1.3	2.0	1.3	0.3	2.1	66	1674	1.5	1.0	0.4	3	1.0	1.5	2.2	1.4	0.3	2.3	73	1754								

3 Year Averages 2007 - 2005			EARLY - TRIAL AVERAGE												HURON - EARLY												
			YIELD						% QUALITY						YIELD						% QUALITY						
			%ADM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MILK 2006	MK/T	MK/IA	%ADM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MILK 2006	MK/T
BRAND / HYBRID	RM	TRT	TRAIT																								
HYLAND SEEDS HLSR59	101	P250	1	32.8	24.0	7.9	90	81.3	23.9	45.2	58.1	6.7	30.0	3410	26856	33.4	23.1	7.8	92	82.4	22.8	43.8	58.5	6.4	31.0	3455	26944

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2007				INGHAM - EARLY										YIELD										MILK 2006										IONIA - EARLY										MILK 2006			
				YIELD					% QUALITY					MILK 2006					YIELD					% QUALITY					MILK 2006					MILK 2006													
BRAND /HYBRID	RM	TRT	TRAIT	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A														
CROPLAN 4664RB	103	C250	1,2	36.5	20.6	7.7	96	83.2	20.9	41.1	59.3	6.4	40.1	3427	26222	31.7	22.7	7.3	99	84.1	22.3	44.5	64.2	6.9	35.4	3470	25233																				
CROPLAN 491TS	102	C250	1,2,3	35.1	22.0	7.7	98	84.5	20.6	41.6	62.8	6.5	38.4	3499	26984	31.0	23.1	7.1	99	83.2	23.9	46.5	63.9	6.9	31.1	3403	24055																				
CROWS 2117T	100	C250	1,2,3	39.5	19.4	7.6	100	83.0	20.5	40.4	57.9	5.9	40.2	3425	26155	35.4	22.2	7.8	100	84.1	21.8	43.4	63.6	6.8	33.6	3479	27311																				
DAIRYLAND HI DF-3002	102	P250		34.4	23.9	8.1 *	99	82.9	22.0	43.0	60.4	6.2	36.8	3393	27533	32.4	26.7	8.6 **	100	82.8	22.8	44.1	61.1	6.4	35.0	3405	29332																				
DEKALB DKC45-82 (RR2)	95	P250	1	39.8	18.7	7.4	100	84.6	20.0	40.6	61.8	5.9	40.5	3515	26233	31.2	26.5	8.3 *	98	84.2	22.5	44.1	64.1	7.0	31.4	3478	28780																				
DEKALB DKC50-48 (RR2YGC8)	100	P250	1,2	35.1	21.3	7.4	99	85.1	20.5	41.1	63.9	6.1	40.5	3532	26055	32.8	24.9	8.1 *	100	85.4	22.4	45.8	68.1	6.6	34.6	3532	28849																				
DEKALB DKC54-46 (RR2YGPL)	104	P250	1,2,3	35.4	20.2	7.1	96	83.4	22.2	41.8	60.1	6.2	36.7	3435	24529	31.8	24.8	7.9 *	100	83.8	22.9	44.5	64.0	6.8	32.8	3457	27324																				
DYNAGRO 54T42	100	P250	1,2,3,4	34.8	24.1	8.4 **	97	83.9	20.5	41.1	60.8	5.8	39.5	3471	29004	31.2	25.4	7.9 *	98	85.1	21.4	42.7	64.4	6.6	32.9	3540	27698																				
DYNAGRO 55F43	104	P250	2	35.9	21.1	7.5	95	81.9	23.0	44.2	59.2	6.1	36.2	3331	24746	34.1	24.0	8.2 *	100	80.9	24.9	47.2	59.4	6.0	30.9	3275	26945																				
GARST 8693CB/LL	105	C250	2,4	33.0	23.2	7.6	99	84.3	22.6	44.8	64.9	6.3	33.3	3457	26213	32.3	26.2	8.5 *	99	85.3	21.1	41.7	64.6	6.6	35.0	3558	30208																				
GREAT LAKES 509RG3	100	P250	1,2,3	40.5	19.9	8.0 *	88	84.3	20.0	40.1	60.8	6.0	39.9	3499	28203	34.9	22.7	7.8	100	83.2	22.2	45.3	62.9	7.1	35.6	3618	30383																				
GREAT LAKES 5417	104	P250	5	35.2	21.3	7.4	90	84.6	21.7	43.7	64.7	6.0	34.5	3486	25758	34.3	24.3	8.3 *	99	84.7	20.9	41.3	63.3	6.6	35.2	3529	29369																				
HYLAND SEEDS HLBS2R	101	P250	1,2	35.6	21.7	7.8 *	97	81.6	23.8	45.4	59.6	5.7	36.6	3309	25637	34.7	21.8	7.6	100	82.4	23.2	45.1	61.5	6.7	32.3	3372	25699																				
HYLAND SEEDS HLCBR84	101	P250	1,2,3	34.0	21.4	7.4	94	82.3	22.2	43.4	59.4	6.4	38.2	3363	24789	34.3	24.8	8.4 *	96	82.3	23.8	45.9	60.8	6.6	33.6	3362	28136																				
HYLAND SEEDS HLSR59	101	P250	1	31.0	23.8	7.3	95	79.7	27.3	51.5	60.4	6.0	26.4	3151	22939	31.3	24.9	7.8	98	82.6	24.4	46.4	62.7	6.6	28.6	3378	26327																				
MIDWEST 70503S	101	C250	1,2,3	34.8	21.5	7.6	88	84.6	20.9	42.4	63.8	6.3	37.9	3498	26460	35.6	23.3	8.4 *	95	86.3	19.8	41.0	66.7	7.1	35.6	3618	30383																				
MYCOGEN F2F485	98	C250	7	35.0	18.6	6.5	100	86.6	20.9	43.6	69.3	6.7	34.0	3594	23167	33.2	22.0	7.3	100	88.2	20.2	42.5	72.6	7.3	34.4	3704	27196																				
NuTech 3C-303 RRYGCB	103	P250	1,2	34.8	21.9	7.7	98	83.4	21.6	43.2	61.3	5.9	38.6	3427	26547	31.8	22.5	7.1	100	80.7	25.6	50.5	61.6	6.9	25.2	3240	23107																				
NuTech 3P-302 RRYGPLUS	102	P250	1,2,3	34.8	23.1	8.0 *	99	82.7	22.0	43.1	59.8	6.2	37.2	3386	26944	32.9	22.8	7.5	97	83.8	22.5	44.7	64.1	6.8	30.6	3454	25966																				
NuTech 3T-799 VT3	99	P250	1,2,3	33.0	23.1	7.6	97	80.9	23.8	45.6	58.2	6.5	35.7	3267	24951	33.4	22.6	7.6	100	83.0	22.4	43.6	61.0	6.9	34.4	3420	25874																				
PIONEER 36K69	103	P250	1,2,4,11,13	34.6	22.9	8.1 *	99	83.2	21.3	42.2	59.9	6.2	39.7	3420	27661	32.2	26.3	8.4 *	100	84.6	22.0	43.3	64.0	7.2	33.9	3509	29486																				
PIONEER 37N15	96	P250	1,2,4,11	41.8	17.9	7.6	95	84.6	19.8	39.1	60.6	6.3	43.1	3524	26938	36.3	23.7	8.5 *	100	81.0	22.1	42.9	56.0	7.3	37.2	3307	28020																				
PIONEER 38H72	99	P250	1,2,3,4,11	35.6	19.8	7.2	98	83.8	21.0	42.3	61.8	6.4	38.6	3456	24828	37.3	20.3	7.6	100	84.3	21.0	42.3	62.8	7.0	34.0	3502	26612																				
TRELAY 5K626	100	P250	1,2,3	39.7	19.6	7.6	98	84.3	19.0	38.6	59.3	5.8	42.1	3515	26561	35.3	21.5	7.5	100	83.8	21.6	43.0	61.9	7.1	34.6	3467	25921																				
AVERAGE				35.8	21.3	7.6	96	83.5	21.6	42.7	61.2	6.2	37.7	3432	26044	33.4	23.8	7.9	99	83.7	22.4	44.3	63.3	6.8	33.1	3453	27272																				
HIGHEST				41.8	24.1	8.4	100	86.6	27.3	51.5	69.3	6.7	43.1	3594	29004	37.3	26.7	8.6	100	88.2	25.6	50.5	72.6	7.3	37.2	3704	30383																				
LOWEST				31.0	17.9	6.5	88	79.7	19.0	38.6	57.9	5.7	26.4	3151	22939	31.0	20.3	7.1	95	80.7	19.8	41.0	56.0	6.0	25.2	3240	23107																				
CV (%)				3.9	5.9	6.9	3	1.3	6.0	5.0	2.9	6.5	6.3	2	8	2	7.0	7.7	7.0	2	1.8	8.0	6.1	3.5	5.5	10.2	3	8																			
LSD (5%)				1.7	1.5	0.6	4	1.6	1.8	3.0	5.1	0.6	3.4	105	2983	2.8	2.2	0.7	5	2.2	5.1	7.6	3.2	0.5	9.5	285	3274																				

2 Year Averages 2007 - 2006										INGHAM - EARLY										IONIA - EARLY									
BRAND / HYBRID				YIELD				% QUALITY				MILK 2006				YIELD				% QUALITY				MILK 2006					
RM	TRT	TRAIT		%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/HA		%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/HA	
102	C250	CROPLAN 491TS	1,2,3	33.6	24.6	8.3 *	99	82.7	21.6	42.6	59.4	6.7	37.7	3482	28732		32.8	23.1	7.5	91	83.6	21.0	41.8	60.5	7.3	35.1	3550	26705	
102	P250	DAIRYLAND HI DF-3002		34.3	25.3	8.7 **	98	81.9	22.0	42.9	57.9	6.2	36.9	3432	29688		33.6	24.3	8.1	98	82.7	21.1	41.9	58.7	6.9	35.8	3490	28331	
101	P250	HYLAND SEEDS HLSR59	1	30.4	25.3	7.7	89	79.8	26.2	49.7	59.2	6.5	27.1	3278	25393		32.8	23.4	7.7	85	82.3	22.8	44.5	60.0	7.1	29.5	3452	26428	
103	P250	PIONEER 36K69	1,2,4,11,13	32.7	25.3	8.3 *	100	82.0	22.7	43.7	58.9	6.3	37.5	3451	28579		34.0	25.7	8.7 **	97	84.4	20.2	40.8	61.5	7.4	36.2	3611	31338	
AVERAGE				32.8	25.1	8.2	96	81.6	23.1	44.7	58.9	6.4	34.8	3411	28098		33.3	24.1	8.0	93	83.3	21.3	42.3	60.2	7.2	34.1	3526	28200	
HIGHEST				34.3	25.3	8.7	100	82.7	26.2	49.7	59.4	6.7	37.7	3482	29688		34.0	25.7	8.7	98	84.4	22.8	44.5	61.5	7.4	36.2	3611	31338	
LOWEST				30.4	24.6	7.7	89	79.8	21.6	42.6	57.9	6.2	27.1	3278	25393		32.8	23.1	7.5	85	82.3	20.2	40.8	58.7	6.9	29.5	3452	26428	
CV (%)				4.8	5.7	6.4	4	1.4	7.4	5.7	2.7	6.4	7.1	2	8		8	6.3	6.8	7.0	4	1.5	7.5	5.6	3.0	5.0	8.5	2	8
LSD (5%)				1.4	1.1	0.4	3	1.1	1.6	2.4	1.6	0.4	2.6	81	2093		1.7	1.3	0.5	4	1.2	1.6	2.4	1.8	0.3	2.8	85	2213	

3 Year Averages 2007 - 2005										INGHAM - EARLY										IONIA - EARLY											
				YIELD				% QUALITY						MILK 2006				YIELD				% QUALITY						MILK 2006			
				%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A				
BRAND/HYBRID				RM	TRT	TRAIT																									
HYLAND SEEDS HLSR59				101	P250	1	31.6	25.6	8.1	93	79.7	26.0	48.0	57.6	6.5	28.6	3316	26934	33.5	23.1	7.7	86	81.8	22.9	43.8	58.3	7.3	30.4	3459	26689	

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

TABLE 8L.

HURON, INGHAM & IONIA COUNTY SILAGE TRIALS - LATE (105 Day and Later)

ZONE 2 - 3

2007		LATE - TRIAL AVERAGE										HURON - LATE																					
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% QUALITY					MILK 2006					YIELD					% QUALITY					MILK 2006				
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDPD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDPD	CP	STR	MK/T	MK/A						
CROPLAN 566TS	106	C250	12,3	41.3	19.2	7.9	99	85.3	18.0	37.4	60.6	6.4	40.2	3581	27951	40.8	17.0	7.0	*	99	87.0	16.0	34.3	62.1	6.8	42.1	3717	25833					
CROPLAN 566TS	105	C250	12,3	42.7	20.1	8.6	98	84.1	19.3	39.2	59.3	6.0	40.1	3501	29904	41.3	17.8	7.3	*	99	85.1	18.6	38.4	61.0	5.9	40.5	3581	26252					
DAIRYLAND HI DF-3005-7	105	P250	1,2	43.2	18.2	7.8	98	84.1	19.9	39.8	60.2	6.0	39.2	3499	27334	43.5	16.4	7.1	*	99	85.2	19.0	38.7	61.8	6.0	40.0	3585	25441					
DAIRYLAND HI DF-3007	106	P250		39.3	20.8	8.2	99	85.0	19.6	40.1	62.4	6.1	38.1	3542	28923	38.8	17.9	6.9	*	98	85.8	19.3	39.8	64.3	5.9	37.5	3611	24834					
DAIRYLAND HI DF-3008-4	108	P250	1,3	38.6	20.8	8.1	100	83.3	20.9	42.1	60.4	6.1	35.8	3435	27765	36.9	17.7	6.5		100	84.3	20.7	42.0	62.9	6.1	34.9	3511	22886					
DEKALB DKC55-82 (RR2)	105	P250	1	40.2	20.4	8.2	100	85.1	18.7	38.5	61.2	6.2	40.0	3563	29016	39.8	17.6	7.0	*	100	86.1	17.6	37.0	61.9	6.3	40.8	3643	25625					
DEKALB DKC57-79 (RR2/YGPL)	107	P250	1,2,3	41.0	20.4	8.4	99	86.6	16.4	34.6	61.5	6.4	42.9	3679	30744	39.0	17.2	6.6		99	87.5	16.5	35.1	64.6	6.5	41.5	3736	24721					
DEKALB DKC61-66 (RR2/YGPL)	111	P250	1,2,3	38.4	22.1	8.5	95	86.0	18.3	37.8	62.8	6.3	40.5	3618	30521	38.5	18.6	7.2	*	88	87.4	16.9	35.9	64.5	6.5	41.5	3729	26692					
DEKALB RX674RR2	109	P250	1	40.0	20.4	8.2	100	85.6	18.2	37.8	61.8	6.2	40.9	3598	29415	39.8	15.7	6.3		99	85.7	18.5	38.2	62.3	6.0	40.1	3614	22690					
DEKALB RX715V73	111	P250	1,2	38.6	22.4	8.6	**	100	85.0	18.5	37.8	60.4	6.1	41.0	3565	30626	36.9	19.0	6.9	*	100	86.9	17.6	36.7	64.3	6.3	40.8	3693	25567				
GARST 8452CB/ILL	112	C250	2,4	37.0	22.8	8.4	* 99	84.9	19.6	39.2	61.5	6.2	38.2	3546	29667	35.3	18.9	6.7	*	98	85.0	19.8	39.7	62.3	5.9	37.4	3570	23735					
HYLAND SEEDS HLB337	105	P250	2	39.8	21.5	8.5	* 98	84.2	19.4	38.9	59.4	6.2	39.9	3509	29740	39.0	18.1	7.1	*	96	85.8	17.6	36.8	61.3	6.5	40.9	3630	25587					
MIDWEST 76173T	107	C250	1,2,3	42.2	19.3	8.2	98	85.8	17.8	37.0	61.8	6.1	42.5	3617	29362	41.0	16.6	6.9	*	96	86.9	16.6	35.2	62.8	6.0	44.0	3706	25386					
MIDWEST 76483S	107	C250	1,2	39.8	19.9	8.0	99	84.9	19.3	39.2	61.4	6.0	40.1	3547	28083	40.0	16.6	6.7	*	100	86.1	18.3	38.0	63.4	5.9	41.2	3643	24199					
MYCOGEN T2F566	105	C250	7	42.6	16.2	6.9	100	86.6	19.1	40.4	66.9	6.4	37.9	3633	24946	42.3	14.2	6.1		100	87.8	17.5	37.7	67.7	6.4	40.3	3738	22703					
MYCOGEN T2F566	106	C250	1,8	35.7	22.5	8.1	100	83.5	21.7	43.1	61.6	5.8	31.4	3370	27341	33.5	17.2	5.8		100	84.2	22.3	45.5	65.4	5.7	25.0	3277	18941					
MYCOGEN T2F2Q716	110	C250	1,2,3,4,8	38.4	21.1	8.1	100	84.2	20.8	41.5	62.0	6.2	36.6	3491	28384	38.7	19.2	7.5	*	99	85.6	19.8	40.4	64.3	6.2	37.4	3596	26804					
NK Brand N49-E3	106	C250	8	39.3	19.5	7.7	95	86.3	18.1	37.8	63.8	6.7	38.6	3633	27830	36.7	16.8	6.1		88	87.9	17.4	37.0	67.8	6.6	38.5	3746	22938					
NK Brand N53-W3	105	C250	1	41.8	19.2	8.1	99	86.0	17.5	35.9	61.0	6.0	41.8	3632	29498	39.6	15.3	6.1		99	86.7	17.0	35.4	62.8	5.8	41.4	3695	22513					
NK Brand N71-L7	112	C250	2,4	41.0	20.7	8.5	* 99	85.8	19.1	38.9	63.5	6.4	39.2	3598	30663	39.5	17.8	7.0	*	100	86.4	19.1	39.6	65.5	6.5	37.1	3642	25611					
PIONEER 33A88	117	P1250	1,2,4,11	35.3	23.3	8.3	* 99	84.6	21.1	42.1	63.4	6.2	33.7	3497	28886	33.4	17.6	5.9		97	85.9	20.4	41.6	65.9	6.2	31.4	3574	20942					
PIONEER 34A89	109	P250	1,2,3,4	38.5	22.1	8.5	* 99	85.4	19.4	39.8	63.2	6.3	37.7	3569	30189	38.2	19.8	7.6	**	97	87.3	17.5	36.9	65.4	6.3	39.9	3719	28274					
PIONEER 35D26	109	P250	1,2,4,11,13	38.9	20.7	8.0	99	85.5	19.7	40.4	63.9	6.4	37.6	3568	28886	37.7	19.1	7.2	*	97	86.6	18.6	38.8	65.1	6.6	38.8	3658	24547					
PIONEER 35A34	105	P250	1,2,3,4,11	38.8	21.1	8.1	100	85.5	19.6	39.7	63.4	6.3	38.6	3576	28722	38.1	17.7	6.7	*	100	86.3	19.2	39.3	65.0	6.4	38.2	3641	23314					
PIONEER 35F40	105	P250	1,2,4,11,12	41.9	19.2	8.1	96	86.2	18.1	37.3	63.0	6.2	41.4	3635	29102	40.1	15.7	6.3		88	87.1	17.1	36.1	64.5	6.3	42.4	3712	23202					
PIONEER 35H42	107	P250	1,2,4,11,12	40.4	20.4	8.2	* 100	85.4	19.3	38.9	62.5	6.1	39.7	3575	29470	39.1	18.3	7.2	*	100	87.5	17.1	35.8	64.7	6.5	41.6	3733	27020					
RENK RK662YGC8 NDS	105	P250	2	42.7	17.1	7.3	95	84.3	18.7	40.0	60.9	7.1	39.3	3506	25646	42.6	14.3	6.1		88	86.1	17.0	37.8	63.2	7.0	40.9	3639	22094					
RENK RK669	105	P250	2	43.8	16.9	7.4	97	86.4	17.3	36.6	63.1	5.9	43.1	3654	27139	41.8	14.8	6.2		97	87.8	15.5	33.7	64.0	6.0	45.6	3768	23142					
RENK RK852LLYGCB	112	P250	2,4	36.5	20.8	7.6	86	84.7	20.1	40.4	62.2	6.4	36.2	3524	26593	37.0	18.0	6.7	*	85	87.0	17.4	36.4	64.0	6.8	39.2	3697	24706					
TRELAY 6T226	106	P250	1,2,3	41.7	19.8	8.1	99	84.3	19.2	39.5	60.3	6.0	40.0	3510	28576	41.3	15.7	6.4		100	85.4	18.6	38.7	62.5	6.0	40.6	3594	23049					
AVERAGE				40.0	20.3	8.1	98	85.1	19.1	39.1	62.0	6.2	39.1	3559	28697	39.0	17.2	6.7		97	86.3	18.1	37.9	63.9	6.2	39.4	3647	24408					
HIGHEST				43.8	23.3	8.6	100	86.6	21.7	43.1	66.9	7.1	43.1	3679	30744	43.5	19.8	7.6		100	87.9	22.3	45.5	67.7	7.0	45.6	3768	28274					
LOWEST				35.3	16.2	6.9	86	83.3	16.4	34.6	59.3	5.8	31.4	3370	24946	33.4	14.2	5.8		85	84.2	15.5	33.7	61.0	5.7	25.0	3277	18941					
CV (%)				4.2	6.9	5.7	3	1.1	7.5	5.5	2.4	5.5	5.8	2	6	3.7	6.5	5.6		3	0.8	5.9	4.5	2.1	6.1	5.2	1	6					
LSD (5%)				1.4	1.1	0.4	2	0.8	1.2	1.7	1.2	0.3	1.8	55	1476	1.7	1.3	0.9		5	1.0	1.5	2.2	1.9	1.1	2.9	72	4110					

2 Year Averages 2007 - 2006												LATE - TRIAL AVERAGE												HURON - LATE											
BRAND / HYBRID		YIELD					% QUALITY					MILK 2006		YIELD					% QUALITY					MILK 2006											
RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDfD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDfD	CP	STR	MK/T	MK/A									
106	C250	1,2,3	42.2	19.7	8.3	97	84.3	17.5	36.2	56.7	6.5	42.6	3518	28957	40.7	19.1	7.7	99	85.5	16.3	34.4	57.8	6.6	43.6	3648	28161									
106	P250	CROPLAN 566TS	39.0	21.9	8.5 *	99	83.4	19.8	40.0	58.6	6.2	39.4	3513	29879	37.5	21.1	7.8 **	99	83.2	20.3	40.7	58.8	5.8	38.8	3523	27381									
107	P250	1,2,3	40.5	21.7	8.8 **	98	84.3	17.8	36.3	57.0	6.5	42.3	3554	31208	39.5	19.8	7.8 **	99	85.3	17.3	35.8	59.1	6.4	42.9	3637	28186									
106	C250	8	40.2	20.6	8.2	97	84.7	18.6	38.1	59.9	6.7	39.4	3581	29500	38.4	19.8	7.6 *	94	85.0	18.8	38.6	61.3	6.6	38.9	3621	27363									
AVERAGE			40.5	21.0	8.5	98	84.2	18.4	37.7	58.0	6.5	40.9	3541	29866	39.0	20.0	7.7	98	84.8	18.2	37.4	59.3	6.3	41.0	3607	27773									
HIGHEST			42.2	21.9	8.8	99	84.7	19.8	40.0	59.9	6.7	42.6	3581	31208	40.7	21.1	7.8	99	85.5	20.3	40.7	61.3	6.6	43.6	3648	28186									
LOWEST			39.0	19.7	8.2	97	83.4	17.5	36.2	56.7	6.2	39.4	3513	28957	37.5	19.1	7.6	94	83.2	16.3	34.4	57.8	5.8	38.8	3523	27363									
CV (%)			5.3	7.6	6.7	4	1.2	7.5	5.4	2.3	5.4	5.6	2	7	4.4	7.7	6.8	3	1.1	7.3	5.2	2.2	5.8	5.5	2	7									
LSD (5%)			1.7	1.3	0.4	3	0.8	1.2	1.7	1.1	0.3	1.8	63	1655	1.4	1.1	0.4	3	0.9	1.3	2.0	1.3	0.4	2.2	66	1805									

3 Year Averages 2007 - 2005										LATE - TRIAL AVERAGE										HURON - LATE													
										YIELD					% QUALITY					YIELD					% QUALITY								
		RM		TRT		TRAIT				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDfD	CP	STR	MILK 2006	MK/T	MK/A	IVD	ADF	NDF	NDfD	CP	STR	MILK 2006	MK/T	MK/A		
BRAND /HYBRID		106		C250		8				41.8	20.3	8.5	97	84.1	18.7	37.2	57.1	6.8	40.2	3519	29697	41.6	19.1	7.9	96	84.2	18.5	37.1	57.1	6.6	41.1	3508	27482
NK Brand N49-E3																																	

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2007				INGHAM - LATE										IONIA - LATE														
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% QUALITY					YIELD					% QUALITY					MILK 2006				
				%DM	GT/A	DT/A	%STD	%STR	IVD	ADF	NDF	NDFF	CP	%DM	GT/A	DT/A	%STD	%STR	IVD	ADF	NDF	NDFF	CP	%DM	GT/A	DT/A	%STD	%STR
CROPLAN 566TS	106	C250	1,2,3	41.2	19.9	8.1	100	84.4	18.9	38.8	59.8	6.3	39.2	3512	28162	41.9	20.7	8.6	98	84.4	19.1	39.0	60.0	6.2	39.3	3513	29859	
CROPLAN 566TS	106	C250	1,2,3	46.3	19.4	9.0	97	83.9	18.8	38.2	57.6	5.9	41.5	3486	31304	40.5	23.3	9.4	100	83.3	20.5	41.1	59.4	6.3	38.3	3437	32157	
CROPLAN 566TS	106	P250	1,2	46.3	16.1	7.6	97	83.4	19.8	39.6	58.1	5.6	40.6	3453	30693	39.6	22.2	8.8	100	83.8	20.9	41.3	60.7	6.3	37.1	3459	30497	
DAIRYLAND HI DF-3005-7	106	P250	1,2	39.5	21.6	8.6	100	85.0	19.1	39.4	61.8	6.3	40.5	3540	30693	39.9	22.8	9.0	100	84.1	20.5	41.3	61.2	6.1	36.4	3476	31241	
DAIRYLAND HI DF-3008-4	108	P250	1,3	39.4	20.0	8.0	99	83.1	20.8	42.3	60.0	5.9	36.5	3411	27134	39.5	24.6	9.8	100	82.5	21.1	41.9	58.2	6.4	36.1	3384	33274	
DEKALB DKC55-82 (RR2)	105	P250	1	40.1	20.0	7.9	100	85.3	18.5	38.6	61.9	6.2	39.8	3565	28180	40.9	23.6	9.6	100	83.9	19.9	40.0	59.7	6.2	39.5	3480	33242	
DEKALB DKC57-79 (RR2/GPL)	107	P250	1,2,3	41.5	20.9	8.7	99	86.1	16.9	35.2	60.6	6.1	42.8	3639	31509	42.5	23.0	9.8	99	86.3	15.9	33.5	59.2	6.5	44.3	3663	33022	
DEKALB DKC61-66 (RR2/GPL)	111	P250	1,2,3	39.5	22.6	8.9	97	85.4	18.7	38.4	62.1	6.2	40.2	3574	31623	37.3	25.2	9.4	99	85.1	19.3	39.2	62.0	6.2	39.8	3550	33047	
DEKALB RX674RR2	109	P250	1	39.2	20.2	7.9	100	85.4	18.0	37.7	61.2	6.4	41.2	3577	28246	41.0	25.3	10.4	100	85.8	18.1	37.5	62.0	6.3	41.4	3603	37309	
DEKALB RX715V73	111	P250	1,2	40.7	21.5	8.7	100	84.9	18.5	37.8	60.0	6.1	41.9	3549	30824	38.2	26.8	10.1	100	83.3	19.6	39.0	57.1	5.9	40.3	3452	35486	
GARST 9452CBILL	112	C250	2,4	39.0	21.8	8.4	99	85.5	18.1	37.1	60.9	6.5	40.0	3588	30033	36.6	27.8	10.1	100	84.1	20.8	40.9	61.2	6.4	37.3	3480	35235	
HYLAND SEEDS HLB337	105	P250	2	41.6	21.0	8.7	99	83.7	19.6	39.2	58.3	6.0	39.5	3467	30224	38.8	25.3	9.8	99	83.1	21.0	40.8	58.7	6.1	38.4	3428	33410	
MIDWEST 76173T	107	C250	1,2,3	43.9	19.6	8.6	98	85.0	18.3	37.6	60.1	6.0	41.7	3556	30465	41.7	21.7	9.0	99	85.6	18.5	38.1	62.4	6.2	41.7	3589	32234	
MIDWEST 76483S	107	C250	1,2	40.6	20.0	8.2	98	84.4	19.8	39.9	60.8	6.1	39.1	3503	28536	38.9	23.3	9.0	100	84.2	20.0	39.8	60.1	6.2	40.0	3495	31514	
MYCOGEN F2F566	105	C250	7	42.5	15.1	6.2	99	86.1	19.1	40.5	65.6	6.4	37.9	3591	22224	42.9	19.3	8.4	100	86.1	20.7	43.1	67.5	6.5	35.5	3569	29911	
MYCOGEN TME2N602	106	C250	1,8	38.4	22.8	8.7	100	83.3	21.1	41.4	59.6	5.8	35.1	3431	30010	35.3	27.6	9.7	100	82.9	21.8	42.5	59.7	6.0	34.2	3401	33071	
MYCOGEN TME2Q716	110	C250	1,2,3,4,8	38.0	19.6	7.5	100	82.8	22.5	44.0	60.7	6.3	33.9	3377	25346	38.5	24.5	9.4	100	84.3	20.1	40.2	61.1	6.2	38.6	3499	33002	
NK Brand N49-E3	106	C250	8	40.7	20.4	8.3	98	84.9	18.7	38.4	60.6	6.7	38.3	3540	29295	40.4	21.2	8.6	100	86.1	18.3	38.1	63.6	6.8	38.9	3614	31256	
NK Brand N53-W3	105	C250	1	42.5	20.3	8.7	99	85.2	18.0	36.7	59.5	5.9	41.4	3572	30950	43.4	22.1	9.6	100	86.0	17.4	35.7	60.8	6.2	42.5	3629	35029	
NK Brand N71-L7	112	C250	2,4	42.9	21.3	9.2	98	86.0	17.9	36.7	61.8	6.3	42.6	3619	33421	40.5	23.1	9.3	99	85.0	20.2	40.5	63.1	6.6	37.7	3533	32957	
PIONEER 33A88	117	P250	1,2,4,11	36.4	23.6	8.6	97	83.6	21.5	42.2	61.1	6.1	34.7	3437	29604	36.1	28.1	10.4	100	84.3	21.5	42.5	63.1	6.2	35.0	3479	36111	
PIONEER 34A89	109	P250	1,2,3,4	39.2	21.5	8.4	100	84.3	20.6	41.5	62.1	6.1	36.8	3485	29284	38.1	25.0	9.5	100	84.5	20.2	41.0	62.2	6.4	36.5	3502	33008	
PIONEER 35D26	109	P250	1,2,4,11,13	39.7	19.8	7.9	100	84.2	20.5	41.5	61.9	5.9	38.1	3481	28070	39.2	23.2	9.0	99	85.6	20.2	40.9	64.7	6.6	36.1	3564	34041	
PIONEER 35A34	105	P250	1,2,3,4,11	41.2	19.8	8.1	100	84.7	19.9	40.2	61.9	6.2	39.5	3518	27847	36.9	25.7	9.5	100	85.5	19.7	39.6	63.2	6.4	38.0	3568	32008	
PIONEER 35F40	105	P250	1,2,4,11,12	43.9	19.8	8.6	99	86.2	17.9	36.6	62.4	6.0	43.0	3633	31253	41.6	22.2	9.3	100	85.3	19.3	39.1	62.2	6.3	38.8	3561	32848	
PIONEER 35H42	107	P250	1,2,4,11,12	40.5	20.0	8.1	100	83.3	22.2	43.1	61.2	5.6	36.5	3417	27781	41.5	23.0	9.4	100	85.4	18.6	38.0	61.5	6.4	40.9	3575	33608	
RENK RK62YGC8 NDS	105	P250	2	43.6	17.4	7.7	98	84.2	18.9	40.0	60.5	6.9	38.5	3490	26996	41.9	19.6	8.2	98	82.7	20.3	42.2	59.0	7.3	38.6	3388	28149	
RENK RK669	105	P250	2	46.6	16.2	7.5	96	85.2	18.8	39.4	62.3	5.8	41.3	3554	26779	42.9	19.8	8.6	98	86.3	17.5	36.7	62.9	6.1	42.3	3642	31495	
RENK RK852LLYGC8	112	P250	2,4	36.7	20.4	7.6	90	84.4	20.4	40.9	61.8	6.2	35.9	3494	26309	35.8	24.1	8.6	84	82.8	22.5	43.9	60.8	6.2	33.5	3381	28764	
TRILAY 6T226	106	P250	1,2,3	43.9	20.7	8.9	98	84.2	18.8	38.9	59.3	6.1	40.3	3497	31378	39.9	22.9	9.1	100	83.3	20.3	40.8	59.1	5.9	38.9	3438	31300	
AVERAGE				41.2	20.1	8.2	99	84.6	19.3	39.4	60.8	6.1	39.3	3519	28975	39.7	23.6	9.3	99	84.5	19.8	39.9	61.2	6.3	38.5	3512	32709	
HIGHEST				46.6	23.6	9.2	100	86.2	22.5	44.0	65.6	6.9	43.0	3639	33421	43.4	28.7	10.4	100	86.3	22.5	43.9	67.5	7.3	44.3	3663	37309	
LOWEST				36.4	15.1	6.2	90	82.8	16.9	35.2	57.6	5.6	33.9	3377	22224	35.3	19.3	8.2	84	82.5	15.9	33.5	57.1	5.9	33.5	3381	28149	
CV (%)				3.9	6.6	5.7	3	1.1	7.4	5.5	2.1	5.6	5.3	2	6	6	4.6	6.0	5.1	1	1.5	8.6	6.1	2.9	4.7	6.7	2	6
LSD (5%)				1.9	1.6	0.6	4	2.5	4.0	6.1	3.6	1.0	3.0	182	2451	182	2.2	1.7	0.6	2	3.5	2.4	3.4	2.5	0.4	7.3	240	5971

2 Year Averages 2007 - 2006				INGHAM - LATE										IONIA - LATE													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY				YIELD				% QUALITY				MILK 2006							
				%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	CP	STR	MK/T	MK/A	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	CP	STR	MK/T	MK/A		
CROPLAN 566TS	106	C250	1,2,3	43.3	20.8	9.0 **	98	83.5	18.5	37.5	56.0	6.2	42.2	3433	30711	42.7	19.2	8.1	93	84.0	17.8	36.9	56.3	6.7	42.0	3473	28001
DAIRYLAND HI DF-3007	106	P250	1,2,3	38.6	23.4	9.0 **	100	83.2	19.9	40.0	58.0	6.2	40.2	3514	31785	40.9	21.3	8.7	98	83.9	19.1	39.3	58.9	6.7	39.3	3504	30472
DEKALB DKC57-79 (RR2/NGPL)	107	P250	1,2,3	39.5	22.9	9.0 **	98	82.1	20.3	39.6	55.3	6.2	40.5	3424	30753	42.6	22.5	9.6 **	97	85.4	15.8	33.6	56.5	7.0	43.6	3599	34687
NK Brand N49-E3	106	C250	8	41.2	22.2	9.0 **	99	83.6	19.5	39.0	57.8	6.2	38.9	3491	31654	41.0	19.8	8.1	98	85.6	17.4	36.7	60.7	7.3	40.4	3632	29482
AVERAGE				40.6	22.3	9.0	99	83.1	19.6	39.0	56.8	6.2	40.4	3466	31226	41.8	20.7	8.6	97	84.7	17.5	36.6	58.1	6.9	41.3	3552	30660
HIGHEST				43.3	23.4	9.0	100	83.6	20.3	40.0	58.0	6.2	42.2	3514	31785	42.7	22.5	9.6	98	85.6	19.1	39.3	60.7	7.3	43.6	3632	34687
LOWEST				38.6	20.8	9.0	98	82.1	18.5	37.5	55.3	6.2	38.9	3424	30711	40.9	19.2	8.1	93	83.9	15.8	33.6	56.3	6.7	39.3	3473	28001
CV (%)				4.6	6.5	6.0	3	1.3	7.9	5.8	2.2	6.1	5.8	2	6	5.3	6.2	6.0	4	1.2	7.0	5.0	2.7	4.2	5.4	2	7
SD (5%)				1.6	1.1	0.4	3	1.1	1.5	2.3	1.3	0.4	2.2	79	1819	1.8	1.2	0.5	4	1.0	1.4	1.9	1.6	0.3	2.1	77	2127

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

ZONE 4

TABLE 9.

2007				TRIAL AVERAGE										ALPENA													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY				MILK 2006			YIELD			% QUALITY				MILK 2006						
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BROWN 498RR/LfY	95	C250	1,8	37.8	15.2	5.7	97	84.1	21.7	44.5	64.2	6.4	27.9	3381	19376	34.2	17.4	5.9	94	85.5	20.4	42.2	65.6	6.1	32.0	3593	21346
CROPLAN 364TS	96	C250	1,2,3	36.7	16.5	6.1**	99	84.3	20.2	42.1	62.6	6.6	29.7	3220	20542	34.9	18.4	6.4*	98	85.6	19.1	39.2	63.3	6.4	37.6	3618	23247
CROPLAN D593C/RW/RR	93	C250	3	33.5	17.1	5.7*	99	85.4	21.8	46.1	68.3	7.4	22.6	3273	19283	30.8	19.9	6.1*	98	86.2	21.9	45.9	69.9	7.2	25.4	3537	21639
DAIRYLAND HI DF-3094-6	94	P250	1	37.2	15.3	5.7*	93	83.8	21.3	44.4	63.4	7.0	31.0	3436	19746	35.1	16.3	5.8	92	85.1	19.8	41.4	63.9	6.5	35.5	3573	20554
DAIRYLAND HI DF-3098	98	P250		34.6	16.5	5.7*	93	85.7	20.1	42.6	66.3	6.7	29.7	3468	20048	32.3	17.0	5.5	87	86.7	19.9	42.0	68.2	6.6	31.0	3596	19691
DEKALB DKC45-82 (RR2)	95	P250	1	33.8	16.3	5.6	100	85.5	21.1	44.3	67.3	6.5	28.0	3366	19431	31.5	18.2	5.7	100	86.3	20.2	42.5	67.9	6.4	33.4	3636	20771
DYNAGRO 53F09	95	P250	2	38.0	14.4	5.5	97	84.9	19.6	41.5	63.3	6.4	33.4	3479	19531	34.6	15.3	5.3	96	86.2	18.2	38.5	64.0	6.1	38.5	3656	19554
DYNAGRO 53K69	95	P250	1	35.4	16.0	5.7*	98	85.1	20.7	43.2	65.1	6.6	30.4	3368	19800	33.7	17.9	6.0*	98	86.0	19.7	40.6	65.5	6.1	37.6	3633	21892
DYNAGRO 54T42	100	P250	1,2,3,4	32.7	17.6	5.8*	96	85.7	20.8	44.4	67.8	6.8	26.3	3371	19924	30.5	19.5	5.9	91	86.0	21.0	43.9	68.0	6.5	28.9	3599	21360
GARST 8921YG1/RR	92	C250	1,2	37.2	15.6	5.9*	97	85.6	19.9	42.0	65.5	6.6	32.4	3470	20830	35.3	17.2	6.1*	96	86.4	19.5	41.1	66.8	6.3	35.8	3650	22062
HYLAND SEEDS HLS034	88	P250		36.4	15.5	5.7	92	84.2	22.1	45.8	65.4	6.8	26.7	3321	19128	34.7	16.1	5.6	90	86.1	20.3	42.6	67.2	6.6	32.7	3622	20188
HYLAND SEEDS HLSR42	93	P250	1	35.4	16.2	5.8*	95	85.4	19.9	41.6	65.0	7.1	30.2	3442	20076	32.9	16.8	5.5	93	87.0	18.7	39.3	66.8	6.7	34.5	3677	20103
MYCOGEN TMF2L416	94	C250	1,2,4,8	36.1	15.6	5.7	100	84.4	21.0	44.4	64.7	6.9	25.3	3223	18962	35.5	18.4	5.6**	100	86.1	19.4	41.2	66.4	6.5	33.2	3631	23545
MYCOGEN TMF2M494	97	C250	1,8	35.1	16.3	5.8*	100	84.9	20.5	43.0	64.9	7.1	27.5	3340	19388	32.3	17.2	5.6	98	86.1	20.0	41.6	66.5	6.6	32.7	3629	20138
NuTech 3195RR/LfY	95	P250	1,8	34.7	16.6	5.8*	99	85.0	20.6	42.9	65.0	7.1	27.1	3291	19808	31.5	17.4	5.4	98	86.3	20.0	41.5	67.1	6.7	32.2	3643	19802
NuTech 3P-494 RR7/GPL	94	P250	1,2,3	35.6	15.7	5.6	99	83.7	21.3	44.0	62.9	6.8	29.9	3360	19068	34.5	16.7	5.8	98	85.5	19.1	40.0	63.5	6.6	37.4	3604	20818
NuTech 3T-393 VT	93	P250	1,2,3	35.5	14.8	5.3	99	82.9	20.7	43.2	60.4	7.0	28.7	3183	17415	33.6	16.7	5.6	98	83.7	20.2	41.5	60.7	6.4	35.9	3497	19608
PIONEER 38H72	99	P250	1,2,3,4,11	39.1	14.3	5.6	100	85.7	19.7	42.4	66.2	6.6	29.4	3341	19332	36.7	16.6	6.1*	100	87.2	18.4	39.5	67.6	6.5	37.1	3704	22599
PIONEER 38K47	94	P250	1,2,4	38.1	13.5	5.2	99	85.2	20.3	43.2	65.6	6.5	28.0	3231	17452	37.5	15.8	5.9	97	86.0	19.1	40.2	65.2	6.2	38.0	3635	21536
PIONEER 38M58	94	P250	1,2,4,11	40.6	13.0	5.4	98	83.9	21.1	44.1	63.2	6.6	31.5	3396	18387	40.5	13.0	5.2	99	85.1	19.4	40.7	63.2	6.1	38.3	3580	18548
PIONEER 38N87	93	P250	1,2,4	40.6	13.3	5.5	100	82.9	21.3	44.3	61.4	6.5	28.7	3169	17660	40.9	13.3	5.4	100	84.0	20.9	43.0	62.8	6.2	36.5	3501	18879
RENK RK438RRY/GPL	93	P250	1,2,3	37.3	15.6	5.9*	98	84.9	20.4	43.1	65.0	6.9	31.1	3419	20554	35.7	17.9	6.4*	94	86.6	18.6	39.7	66.2	6.7	37.1	3670	23491
RENK RK488RRY/GPL	97	P250	1,2,3	37.2	15.1	5.7	97	84.9	20.2	42.7	64.4	6.5	30.6	3377	19579	36.3	16.9	6.1*	93	86.4	17.9	38.5	64.6	6.3	38.4	3665	22486
RENK RK618YGV/T3	100	P250	1,2,3	33.1	16.2	5.5	99	84.1	21.8	45.9	65.3	7.0	25.7	3294	18571	31.7	17.5	5.6	100	85.6	21.4	44.5	67.4	6.4	31.1	3582	19952
AVERAGE				36.3	15.5	5.7	98	84.7	20.8	43.6	64.7	6.8	28.8	3342	19337	34.5	17.0	5.8	96	85.9	19.7	41.3	65.8	6.4	34.6	3614	20992
HIGHEST				40.6	17.6	6.1	100	85.7	22.1	46.1	68.3	7.4	33.4	3479	20830	40.9	19.9	6.5	100	87.2	21.9	45.9	69.9	7.2	38.5	3704	23545
LOWEST				32.7	13.0	5.2	92	82.9	19.6	41.5	60.4	6.4	22.6	3169	17415	30.5	13.0	5.2	87	83.7	17.9	38.5	60.7	6.1	25.4	3497	18548
CV (%)				4.9	8.0	8.2	3	1.5	7.6	6.0	3.1	6.7	15.0	6	10	4.5	6.5	6.4	4	1.2	7.3	5.4	2.5	4.7	7.0	2	7
LSD (5%)				1.4	1.0	0.4	2	1.0	1.3	2.1	1.6	0.4	3.5	153	1537	4.4	1.6	0.5	5	2.8	4.1	6.3	2.4	0.4	3.4	186	2058

2 Year Averages 2007 - 2006			TRIAL AVERAGE										ALPENA														
			YIELD			% QUALITY				MILK 2006			YIELD			% QUALITY				MILK 2006							
RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	
95	P250	DYNAGRO 53F09	2	37.7	17.9	6.7 *	95	84.1	19.0	39.5	59.5	6.7	37.2	3536	23914	36.3	18.0	6.6	95	85.6	17.3	36.4	60.3	6.5	40.3	3682	24338
93	P250	RENK RK438RRYGPL	1,2,3	38.0	18.7	7.1 **	98	84.1	19.9	41.0	61.1	7.0	35.3	3497	25120	38.6	18.7	7.2 **	96	86.1	17.7	37.1	62.0	6.7	39.7	3670	26532
AVERAGE				37.9	18.3	6.9	97	84.1	19.4	40.3	60.3	6.8	36.2	3516	24517	37.4	18.4	6.9	96	85.8	17.5	36.8	61.1	6.6	40.0	3676	25435
CV (%)				5.5	7.8	8.8	4	1.4	7.3	5.6	2.8	5.3	10.2	3	10	4.6	7.4	7.6	4	1.0	6.4	4.7	2.9	5.0	5.7	2	8
LSD (5%)				1.6	1.0	0.4	3	0.9	1.2	1.9	1.5	0.3	2.4	94	1607	1.6	1.3	0.5	4	0.9	1.2	1.9	1.8	0.3	2.0	73	1709

3 Year Averages 2007 - 2005				TRIAL AVERAGE										ALPENA													
				YIELD			% QUALITY				MILK 2006			YIELD			% QUALITY				MILK 2006						
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DYNAGRO 53F09	95	P250	2	37.2	18.2	6.7	95	83.8	19.1	39.0	58.3	6.8	38.0	3564	24101	37.1	17.5	6.5	97	85.0	17.8	36.4	58.5	6.4	41.0	3660	23885

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2007			MENOMINEE - LATE										OSCEOLA														
BRAND / HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY					YIELD			% QUALITY					MILK 2006							
				%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MILK	MKTA	MKTA	
BROWN 4898RRLfY	95	C250	1,8	38.8	13.4	5.2**	100	80.5	26.0	51.7	62.0	6.6	17.6	2928	15189	40.5	14.7	6.0	99	86.2	18.7	39.6	65.0	6.6	34.1	3623	21592
CROPLAN 364TS	96	C250	1,2,3	31.4	13.2	4.2*	100	81.5	24.6	51.3	64.0	6.6	9.8	2414	9989	43.8	17.9	7.8*	100	85.8	16.9	35.9	60.5	6.7	41.8	3629	28389
CROPLAN DS93CRWRR	93	C250	3	32.4	13.0	4.2*	100	83.9	25.0	52.5	69.6	7.4	9.6	2664	11234	37.5	18.4	6.9	99	86.2	18.5	40.1	65.4	7.6	32.7	3620	24976
DAIRYLAND HI DF-3094-6	94	P250	1	36.1	13.1	4.7*	99	81.5	24.7	51.2	63.8	7.4	21.4	3204	15115	40.4	16.5	6.7	89	84.7	19.4	40.5	62.5	7.1	36.1	3532	23570
DAIRYLAND HI DF-3098	98	P250		35.0	13.2	4.6*	99	83.9	22.2	46.4	65.2	6.7	22.6	3161	14595	36.4	19.3	7.1	93	86.5	18.3	39.3	65.5	6.8	35.5	3646	25860
DEKALB DKC45-82 (RR2)	95	P250	1	31.3	11.2	3.5	100	83.5	25.1	52.0	68.5	6.3	12.9	2802	9817	38.8	19.7	7.6*	100	86.8	17.9	38.3	65.5	6.8	37.6	3659	27705
DYNAGRO 53F09	95	P250	2	35.0	11.9	4.1*	98	81.8	24.5	51.0	64.4	6.8	19.7	3100	12757	44.5	16.0	7.2*	97	86.6	16.0	34.9	61.5	6.3	42.1	3681	26283
DYNAGRO 53K69	95	P250	1	32.5	12.7	4.1*	100	83.0	25.1	51.9	66.9	7.2	13.7	2822	11807	40.1	17.5	7.1	95	86.3	17.4	37.1	62.9	6.6	39.9	3648	25702
DYNAGRO 54T42	100	P250	1,2,3,4	31.5	13.2	4.2*	99	84.8	23.4	50.5	69.9	7.1	13.6	2869	11961	36.1	20.1	7.3*	98	86.5	18.1	38.8	65.5	6.9	36.4	3646	26451
GARST 8921YG1/RR	92	C250	1,2	33.5	11.9	4.0*	98	83.0	24.5	50.1	65.9	6.7	19.5	3024	12130	42.7	17.8	7.6*	96	87.5	15.8	34.8	63.8	6.8	41.8	3736	28297
HYLAND SEEDS HLS034	88	P250		33.1	14.3	4.8*	98	81.0	26.4	53.4	64.3	7.2	13.0	2774	13358	41.5	16.1	6.7	89	85.4	19.6	41.3	64.7	6.8	34.3	3566	23837
HYLAND SEEDS HLSR42	93	P250	1	33.9	14.1	4.8*	96	83.1	23.7	48.9	65.3	7.5	17.5	3000	14429	39.5	17.8	7.1	96	86.3	17.3	36.8	62.9	7.1	38.7	3649	25697
MYCOGEN TMF2L416	94	C250	1,2,4,8	33.6	11.2	3.8	100	81.5	25.4	52.9	64.8	7.3	8.3	2448	9191	39.1	17.2	6.7	100	85.5	18.4	39.2	62.8	6.9	34.3	3590	24150
MYCOGEN TMF2N494	97	C250	1,8	33.9	15.1	5.1*	100	82.6	23.5	49.0	64.3	7.5	14.8	2761	14136	39.2	16.8	6.6	100	86.1	18.0	38.3	63.9	7.1	35.1	3630	23892
NuTech 3195RRLfY	95	P250	1,8	31.8	13.0	4.1*	100	82.4	24.7	50.7	65.3	7.5	11.0	2583	10687	40.9	19.4	8.0**	100	86.2	17.1	36.7	62.5	7.1	38.1	3648	28934
NuTech 3P-494 RRYGPL	94	P250	1,2,3	35.4	13.2	4.6*	100	80.4	25.8	51.8	62.2	6.7	17.8	2910	13519	37.0	17.3	6.4	100	85.2	19.1	40.2	63.0	7.2	34.4	3565	22869
NuTech 3T-393 VT	93	P250	1,2,3	33.1	11.2	3.7	100	80.8	23.8	50.2	61.9	8.0	11.3	2526	9467	39.8	16.6	6.6	100	84.2	18.2	38.0	58.5	6.7	39.0	3525	23168
PIONEER 38H72	99	P250	1,2,3,4,11	37.7	10.7	4.0*	100	83.3	23.0	49.2	66.1	6.7	13.7	2664	10626	43.0	15.8	6.8	99	86.6	17.7	38.4	64.8	6.7	37.3	3655	24771
PIONEER 38K47	94	P250	1,2,4	33.6	10.3	3.4	100	82.9	24.4	51.9	67.0	6.6	8.0	2390	8186	43.2	14.3	6.2	100	86.7	17.4	37.6	64.6	6.7	38.1	3669	22635
PIONEER 38M58	94	P250	1,2,4,11	36.7	10.6	3.9	98	81.6	25.7	52.9	65.4	7.0	16.8	3045	11810	44.8	15.6	7.0	98	85.0	18.3	38.6	61.1	6.8	39.4	3562	24805
PIONEER 38N87	93	P250	1,2,4	34.9	11.5	4.0*	99	79.9	25.1	52.3	61.7	6.7	10.2	2439	9750	45.8	15.3	7.0	100	84.9	18.0	37.6	59.8	6.8	39.3	3567	24951
RENK RK438RRYGPL	93	P250	1,2,3	34.7	11.8	4.1*	100	82.1	25.0	51.3	65.0	7.2	16.7	2954	12156	41.5	17.2	7.2*	100	86.2	17.8	38.2	63.9	6.8	39.4	3634	26014
RENK RK488RRYGPL	97	P250	1,2,3	33.6	11.8	4.0*	99	82.7	24.6	51.1	66.4	6.7	14.7	2865	11427	41.8	16.4	6.9	98	85.6	18.1	38.5	62.2	6.4	38.8	3602	24824
RENK RK618YGVT3	100	P250	1,2,3	29.8	12.2	3.7	100	80.2	26.0	54.2	63.6	7.5	10.4	2665	9898	37.8	19.0	7.2*	99	86.3	18.2	39.0	64.8	7.1	35.7	3636	25864
AVERAGE				33.9	12.4	4.2	99	82.2	24.7	51.2	65.1	7.0	14.3	2792	11801	40.6	17.2	7.0	98	86.0	17.9	38.2	63.2	6.8	37.5	3622	25218
HIGHEST				38.8	15.1	5.2	100	84.8	26.4	54.2	69.9	8.0	22.6	3204	15189	45.8	20.1	8.0	100	87.5	19.6	41.3	65.5	7.6	42.1	3736	28934
LOWEST				29.8	10.3	3.4	96	79.9	22.2	46.4	61.7	6.3	8.0	2390	8186	36.1	14.3	6.0	89	84.2	15.8	34.8	58.5	6.3	32.7	3525	21592
CV (%)				5.6	11.1	10.3	2	2.0	7.3	6.1	3.9	9.8	45.3	11	18	4.5	7.2	7.9	2	1.2	8.1	6.4	2.5	3.2	7.4	2	8
LSD (5%)				5.4	2.0	1.2	6	2.4	2.6	8.8	3.6	1.9	18.3	887	5849	5.1	3.5	0.8	3	1.5	4.1	6.9	2.3	0.6	7.8	209	2990

2 Year Averages 2007 - 2006										MENOMINEE - LATE												OSCEOLA											
			YIELD					% QUALITY										YIELD					% QUALITY										
RM	TRT	TRAIT	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A							
95	P250	2	38.0	15.1	5.8 *	98	81.4	22.3	45.5	58.4	6.6	29.9	3236	18943	38.7	20.6	7.7 *	93	85.3	17.3	36.7	60.0	6.9	41.3	3690	28461							
93	P250	1,2,3	37.4	15.6	5.9 **	100	80.2	24.7	49.1	59.6	7.0	25.0	3089	18639	38.1	21.6	8.1 **	99	85.9	17.2	36.7	61.7	7.3	41.2	3731	30188							
AVERAGE			37.7	15.4	5.9	99	80.8	23.5	47.3	59.0	6.8	27.5	3163	18791	38.4	21.1	7.9	96	85.6	17.2	36.7	60.8	7.1	41.2	3710	29324							
CV (%)			6.8	9.5	11.2	4	1.9	7.7	6.2	3.3	7.8	32.2	8	16	4.4	6.9	7.4	4	1.1	7.7	5.7	2.4	3.4	6.5	2	8							
LSD (5%)			2.3	1.2	0.5	3	1.6	1.9	3.1	2.1	0.5	5.1	228	2056	1.7	1.2	0.5	4	1.0	1.4	2.1	1.5	0.2	2.4	71	2046							

3 Year Averages 2007 - 2005										MENOMINEE - LATE										OSCEOLA																
										YIELD					% QUALITY										YIELD					% QUALITY						
										%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFF	CP	STR	MILK 2006	MK/T	MK/A	IVD	ADF	NDF	NDFF	CP	STR	MILK 2006	MK/T	MK/A					
BRAND /HYBRID										95	P250	2	36.7	16.7	6.1	96	81.5	22.0	44.3	57.6	6.9	31.8	3329	20511	37.7	20.4	7.5	95	85.0	17.5	36.4	58.9	7.2	41.1	3704	27906
DYNAGRO 53F09																																				

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 10.

DELTA & MENOMINEE (EARLY) COUNTY SILAGE TRIALS (94 Day and Earlier)

ZONE 5

2007										TRIAL AVERAGE										DELTA													
				YIELD					% QUALITY					MILK 2006					YIELD					% QUALITY					MILK 2006				
BRAND /HYBRID	RM	TRT	TRAIT	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/TA	MK/KA	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/TA	MK/KA						
BAYSIDE 1582YGCRR	82		1,2	35.7	17.2	6.0 *	100	82.6	21.8	45.3	61.5	7.5	29.1	3329	20167	33.6	25.5	8.5 *	100	83.1	20.3	41.8	59.5	7.6	35.4	3393	28927						
BROWN 3886	86	C250		35.8	15.2	5.6	100	81.8	22.7	46.9	61.0	7.7	25.1	3171	18185	37.5	22.3	8.4 *	100	82.5	20.7	42.2	58.5	7.5	34.3	3357	28048						
CROPLAN DS93CRWRR	93	C250	3	30.4	20.7	6.3 *	98	83.7	23.4	48.4	66.1	7.2	20.5	3039	19596	30.4	29.9	9.1 *	100	82.1	23.2	46.6	61.6	7.4	29.1	3300	29908						
CROWS 1684T	92	C250	1,2,3	33.4	18.1	6.0 *	99	82.9	22.1	45.3	62.3	6.8	26.4	3223	19625	32.2	27.2	8.8 *	103	82.1	21.7	43.4	58.7	6.8	31.8	3327	29207						
DAIRYLAND HI DF-3085-6	85	P250		35.9	15.9	5.5	97	81.9	22.9	47.8	62.1	7.4	23.0	3087	17466	33.0	23.7	7.8	95	82.1	21.7	44.4	59.7	7.6	30.1	3318	29571						
DAIRYLAND STEALTH-1489	87	P250		38.5	15.3	5.6	91	82.4	21.4	45.2	60.8	7.2	27.6	3238	18613	35.8	24.1	8.6 *	90	82.3	20.6	41.5	57.3	7.2	35.1	3356	28965						
DYNAGRO 50K07	78	P250	1	36.8	13.6	4.9	100	81.2	23.5	47.2	60.0	7.8	23.6	3107	15584	34.8	20.4	7.1	100	81.6	21.5	42.9	57.3	8.4	31.6	3300	23543						
DYNAGRO 52P81	88	P250	1,2	35.2	17.7	6.2 *	100	83.4	21.6	45.0	62.9	7.2	27.0	3274	20574	34.5	25.7	8.9 *	99	83.7	19.9	41.0	60.3	7.4	35.0	3439	30614						
DYNAGRO 53B04	92	P250	1,2,3	32.5	20.1	6.4 *	100	83.5	22.5	45.7	63.7	7.0	26.4	3311	21260	31.6	28.9	9.1 *	100	82.7	22.4	44.1	60.6	7.0	31.5	3353	30619						
GREAT LAKES 3663G3	86	P250	1,2,3	33.0	16.9	5.5	100	81.8	23.9	47.9	61.6	7.4	24.8	3238	18079	31.6	25.4	8.0	100	82.5	21.9	43.9	59.7	7.5	31.0	3343	26746						
NK Brand N20-R7	85	C250	2,4	36.8	16.0	5.9	100	82.8	20.4	42.8	59.7	7.9	26.6	3120	19495	37.1	24.2	8.9 *	100	83.8	18.9	39.1	58.4	7.9	35.4	3457	30884						
NK Brand N22-C2	87	C250		37.9	16.3	6.2 *	98	82.4	22.1	46.3	61.8	7.8	27.5	3307	20744	37.8	24.3	9.2 *	99	83.0	20.1	42.2	59.8	8.2	33.6	3384	30983						
NK Brand N23-F7	88	C250		35.4	16.3	5.7	98	81.9	22.5	45.6	60.3	7.4	26.3	3122	18647	35.4	25.0	8.8 *	100	83.4	19.8	40.5	58.8	7.5	35.2	3422	30173						
PIONEER 38K47	94	P250	1,2,4	35.8	17.8	6.5 **	100	83.7	21.4	45.0	63.4	6.9	25.8	3169	21362	37.1	26.2	9.7 **	100	83.8	19.8	41.2	60.7	7.2	34.7	3443	33290						
PIONEER 38M58	94	P250	1,2,4,11	36.5	16.6	6.0 *	100	82.6	22.2	46.0	62.1	7.0	24.1	3100	19523	36.1	24.4	8.8 *	100	83.3	20.1	41.3	59.7	7.2	33.0	3414	29953						
PIONEER 38N87	93	P250	1,2,4	37.3	16.9	6.2 *	100	83.4	21.2	44.1	62.0	7.3	27.3	3261	20684	35.9	25.3	9.1 *	100	83.3	20.8	42.2	60.2	7.1	32.6	3408	30973						
AVERAGE				35.4	16.9	5.9	99	82.6	22.2	45.9	62.0	7.3	25.7	3194	19350	34.6	25.2	8.7	99	82.8	20.8	42.4	59.4	7.5	33.1	3376	29300						
HIGHEST				38.5	20.7	6.5	100	83.7	23.9	48.4	66.1	7.9	29.1	3329	21362	37.8	29.9	9.7	103	83.8	23.2	46.6	61.6	8.4	35.4	3457	33290						
LOWEST				30.4	13.6	4.9	91	81.2	20.4	42.8	59.7	6.8	20.5	3039	15584	30.4	20.4	7.1	90	81.6	18.9	39.1	57.3	6.8	29.1	3300	23543						
CV (%)				7.6	7.5	7.7	3	1.9	8.1	5.6	3.8	7.0	15.7	6	10	5.9	6.0	6.0	3	1.5	9.3	6.9	2.5	6.1	8.5	3	8						
LSD (5%)				2.7	1.3	0.5	3	1.6	1.8	2.6	2.4	0.5	4.0	200	1929	5.8	4.3	1.5	7	3.4	5.5	8.4	2.1	1.3	8.0	254	6274						

2 Year Averages 2007 - 2006										TRIAL AVERAGE										DELTA													
				YIELD					% QUALITY					MILK 2006					YIELD					% QUALITY					MILK 2006				
RM	TRT	TRAIT		%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/KA	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/KA						
88	P250	1,2		36.1	18.0	6.4	99	83.4	20.5	42.9	60.9	7.5	31.9	3439	22421	34.3	22.3	7.6	98	83.7	19.8	41.3	60.5	7.6	35.4	3554	27030						
DYNAGRO 52P81																																	

2007										MENOMINEE - EARLY										MILK 2006									
BRAND /HYBRID		RM	TRT	TRAIT	%DM	GTIA	DTIA	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/KA													
BAY/SIDE 1582YGCRR		82		1,2	37.8	8.9	3.5*	100	92.1	23.3	48.7	63.5	7.5	22.9	3265	11408													
BROWN 3886		86	C250		34.1	8.0	2.8	100	81.1	24.8	51.6	63.5	7.9	15.8	2984	8322													
CROPLAN DS93CRW/R		93	C250	3	30.5	11.6	3.4*	97	85.4	23.6	50.3	70.5	7.1	11.9	2778	9285													
CROWS 1684T		92	C250	1,2,3	34.5	9.0	3.2*	95	83.8	22.5	47.3	65.9	6.8	21.0	3118	10042													
DAIRYLAND HI DF-3085-6		85	P250		38.7	8.1	3.1	99	81.6	24.2	51.3	64.5	7.1	16.0	2857	8960													
DAIRYLAND STEALTH-1489		87	P250		41.1	6.4	2.6	91	92.5	22.3	48.9	64.2	7.2	20.2	3120	8261													
DYNAGRO 50K07		78	P250	1	38.7	6.8	2.6	99	80.9	25.5	51.5	62.7	7.2	15.7	2915	7624													
DYNAGRO 52P81		88	P250	1,2	35.9	9.7	3.4*	102	83.1	23.2	49.1	65.5	7.0	19.0	3109	10533													
DYNAGRO 53B04		92	P250	1,2,3	33.4	11.2	3.7	100	84.3	22.7	47.4	66.9	7.0	21.3	3270	11900													
GREAT LAKES 3663G3		86	P250	1,2,3	34.5	8.4	3.0	100	81.0	25.9	51.8	63.5	7.4	18.7	3132	9413													
NK Brand N20-R7		85	C250	2,4	36.5	7.9	2.9	100	81.9	21.9	46.5	61.0	7.8	17.9	2783	8106													
NK Brand N22-C2		87	C250		38.1	8.3	3.2*	98	81.8	24.1	50.4	63.8	7.3	21.4	3230	10505													
NK Brand N23-F7		88	C250		35.4	7.5	2.6	97	80.4	25.2	50.7	61.8	7.3	17.5	2822	7121													
PIONEER 38K47		94	P250	1,2,4	34.6	9.4	3.3*	100	83.6	23.1	48.7	66.0	6.6	16.8	2896	9435													
PIONEER 38M58		94	P250	1,2,4,11	37.0	8.8	3.2*	100	82.0	24.2	50.7	64.5	6.8	15.2	2786	9093													
PIONEER 38N87		93	P250	1,2,4	38.6	8.6	3.3*	100	83.5	21.6	46.0	63.9	7.4	22.0	3115	10395													
AVERAGE					36.2	8.7	3.1	99	82.4	23.6	49.4	64.5	7.2	18.3	3011	9400													
HIGHEST					41.1	11.6	3.7	102	85.4	25.9	51.8	70.5	7.9	22.9	3270	11900													
LOWEST					30.5	6.4	2.6	91	80.4	21.6	46.0	61.0	6.6	11.9	2778	7121													
CV (%)					8.7	11.2	11.3	3	2.3	6.3	3.9	4.7	7.7	25.7	8	15													
SD (5%)					4.5	1.4	0.5	10	2.7	2.1	2.8	4.3	0.8	6.8	344	2061													

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

Special Thanks

This year we would like to extend Special Thanks out to Dave and Mel Cripe in Cass County. This year marks the 40th year that they have hosted on their farm the Cass County Irrigated Trial as part of the MSU Corn Variety Trials. Dave, Mel and their Families run a mostly corn and soybean operation with some wheat and alfalfa acreage.

Over the forty years there have been numerous other trials that have been included in the plot on the Cripe Farm. Early years compared the advantage of Irrigation over Non-Irrigation plus looked at increased seeding rates to determine if there was an advantage with higher plant populations. In recent years with the advent of technology the plots have included comparisons of Bt hybrids to their normal genotype, comparisons of IT, IR and IMI hybrids to see if they performed as well as their normal genotype. New this last year we started a trial looking at differences in ethanol production among hybrids.

Cooperation from growers such as the Cripe family is a major factor in how well Michigan State University can study, analyze, and advance new technologies and knowledge to the Agriculture Community of Michigan. So once again, Thank you to Dave and Mel for 40 years of continued service to Michigan Agriculture.

Notes

This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and some minor discoloration or faint smudges, particularly along the left edge where it might have been bound. The overall tone is off-white or light cream.

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Zone 1 Grain Late - 108 Day and Later

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Dick Crawford, Montcalm Research Farm, Entrican
Dave and Mel Cripe, Cassopolis
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- Department of Crop and Soil Sciences -

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