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Michigan Corn Production Hybrids Compared
Michigan State University Extension Service
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2010 Michigan Corn Hybrids Compared



CORN GRAIN PROFITABILITY IN THE NORTHERN CORN BELT IMPROVES FROM SELECTING EARLIER MATURING HYBRIDS.....PAGE 30

Extension Bulletin E-431 December 2010

MICHIGAN STATE
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COMPANY INDEX

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AGRA	AGRA Solutions 23778 Delphos Jennings Road Delphos, OH 45833 www.agrasolutions.com	G2 GENETICS	NuTech Seed, LLC 415 South Duff Ave., Suite C Ames, IA 50010 www.yieldleader.com	NUTECH	Nutech Seed, LLC 415 South Duff Ave., Suite C Ames, IA 50010 www.yieldleader.com
AGRIGOLD	AgriGold Hybrids 5381 Akin Rd St. Francisville, IL 62460 www.agrigold.com	GOLDEN HARVEST	Syngenta Seed 11055 Wayzata Blvd. Minnetonka, MN 55305 www.goldenharvest.com	PIONEER	Pioneer Hi-Bred Int'l 59 Greif Parkway, Ste. 200 Delaware, OH 43015 www.pioneer.com
AGVENTURE	AgVenture of Michigan P.O. Box 36 Chesaning, MI 48616 www.AgVenture.com	GREAT LAKES	Great Lakes Hybrids 9915 West M-21 Ovid, MI 48866 www.greatlakeshybrids.com	RENK	Renk Seed Company 6809 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
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BECK	Beck's Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	HYLAND SEEDS	Hyland Seeds 1015 N. 51st St, Suite E Grand Forks, ND 58203 www.hylandseeds.com	SEED CONSULTANTS	Seed Consultants Inc. P.O. Box 370, 648 Miami Trace Rd. SW Washington Crt. Hse., OH 43160 www.seedconsultants.com
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DEKALB	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.asgrowanddekalb.com	MASTERS CHOICE	Masters Choice 3010 ST. RT. 146 E Anna, IL 62906 www.Seedcorn.com	WELLMAN	Wellman Seeds, Inc. 23778 Delphos Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
DYNA-GRO	Crop Production Services 443 Allenby Drive Marysville, OH 43040 www.dyna-groseed.com	MYCOGEN	Mycogen Seeds 9330 Zionsville Road Indianapolis, IN 46268 www.mycogen.com	WOLF RIVER	Wolf River Valley N2976 County M White Lake, WI 54491 www.wolfrivervalleyseeds.com
GARST	Syngenta Seeds 11055 Wayzata Blvd. Minnetonka, MN 55305 www.garstseed.com	NK BRAND	Syngenta Seeds Inc. 11055 Wayzata Blvd. Minnetonka, MN 55305 www.nk-us.com		

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Cover Photo: Arial view of the Montcalm Research Farm, Entrican MI. Photo looking south toward the farm, was taken by Chris Long, MSU Potato Specialist. Top Left clockwise you can see Dry Bean, Western Bean Cutworm, Potato, Weed Control and Corn Grain research.

2010

MICHIGAN CORN PERFORMANCE TRIALS

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Department of Crop and Soil Sciences
Michigan State University*

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; a fee is charged to cover expenses incurred while conducting the trials. Separate indexes for grain and silage provide a list of all hybrids entered in the 2010 trials (pg. 28 and 35, respectively). Fourteen grain and ten silage locations were planted. A total of 361 hybrids from 26 seed companies, (29 brand names), make up the 587 entries which translates to 6,748 separate county plots. Company names used in association with hybrid numbers refer to the brand. The hybrid numbers are the companies designations.

Hybrids having a seed-applied insecticide that may enhance yield are listed in the table column TRT (Treatment). The "TRAIT" column uses code numbers, listing the hybrid quality traits provided by the company. Treatment and Trait codes are listed in the tables on page 23.

How to Use This Bulletin

Tables list hybrids alphabetically and contain yield results for each location, plus zone averages. Complete one- and two-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 for corn grain and corn silage trials 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 employed 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 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.

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

Growing Conditions in 2010

This year seemed to be an optimal year for growing corn in Michigan. Although planting was delayed at a few locations throughout the state due to rain, most locations were planted in a timely fashion. The rain continued throughout the summer, for most locations, as needed; temperatures also seemed to cooperate most of the summer. Planting began April 28th in Cass County and finished in Lenawee County on June 1st. Locations needing Nitrogen applied had liquid 28% applied between June 16th and June 30th. The silage harvest began August 30th in Ingham County and ended on September 21st in Lenawee County. Grain harvest began on October 11th in Montcalm County with the Glyphosate Resistant Trial and finished with the Conventional Trial on November 4th in Montcalm County.

Table A (pg. 5) presents 2010 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.

2010

GROWING SEASON WEATHER SUMMARY

*Jeff Andresen, Extension Agricultural Meteorologist
Department of Geography
Michigan State University*

The 2010 growing season was among the top 10 warmest on record across Michigan and much of the Great Lakes region, leading to rapid growth, development, and maturation of most crops. Prior to the growing season, the 2009/2010 winter was influenced by El Niño conditions across the equatorial Pacific Ocean which led to an active storm track across the central and southern U.S. In Michigan, mean temperatures for the winter season ranged from near normal across far southern sections of the state to much above normal across the north. Seasonal precipitation totals ranged from near normal across sections of Upper Michigan to less than 50% of normal over much of the Lower Peninsula. Off season soil moisture recharge was therefore somewhat lower than normal.

The growing season got off to an early start given abnormally warmer than normal weather during March and April. With the exception of a period of widespread heavy rain during the first week of April the warm weather allowed spring fieldwork to begin much earlier than normal and led to an early break of dormancy of most overwintering crops. Later in April, an upper air pattern developed across North America that would persist in several related forms for much of the late spring and summer seasons: troughing across western sections of the continental USA with broad ridging across central and eastern sections. This pattern led to southwesterly flow aloft across Michigan and to warmer than normal temperatures, and to a very active storm track across central sections of the country. Mean temperatures for the months of May, June, July, and August were all above normal, with departures generally ranging from 1-5 degrees F.

The active storm track led to unusually heavy rainfall to western and central sections of the Corn Belt region through much of the growing season. Records or near records for wettest summer season were set at locations just to our west in Minnesota, Iowa, Illinois, and Wisconsin. Some of this heavy precipitation fell as far eastward as Michigan during the late spring and early summer, but was not as much of a problem as would typically be the case due to the early completion of planting. Rainfall totals for the June-August period across the Midwest ranged from less than 10 inches (less than 50% of normal) in sections of the Ohio Valley to more than 25 inches (more than 200% of normal) across sections of Iowa and Wisconsin. In Michigan, totals for the same period ranged from just under 10 inches (near normal) in east central sections of the state to more than 20 inches (more than 150% of normal) at some Upper Peninsula locations. These totals are somewhat misleading, as much of the precipitation fell during the month of June, with much less during July and August. The heavy early season rainfall

combined with the warm temperatures led to rapid crop growth and development, and helped ease long term dryness across northern sections of the state.

Following a period of heavy rain during mid-June, precipitation during July and August was significantly lighter and less frequent across central and southern sections of Michigan through large sections of the Ohio Valley extending eastward into the mid-Atlantic states as the central core of the jet stream edged northward into Canada. Rainfall totals varied greatly by location during July and August, with some sections receiving heavy totals (e.g. northeastern Lower Michigan) while others observed less than half of normal amounts (e.g. northwestern and southeastern Lower Michigan). At the same time, temperatures remained at above normal levels on an almost continuous basis. As a result, potential evapotranspiration rates also remained at above normal levels with rapidly declining soil moisture levels leading to the development of drought stress symptoms during August.

During early September, the persistent jet stream pattern of much of the growing season finally transformed into a troughing pattern across Michigan and the Great Lakes region, leading to cooler than normal temperatures and to generally to continued below normal precipitation totals. This weather combination favored early crop maturation, rapid grain drydown rates and progress of fall harvest activities, but also to increasing levels of dryness and drought-related problems. Fortunately, the most intense dryness occurred after most moisture-sensitive crop growth stages. By the end of September, much of southern Lower Michigan southward into the Ohio Valley was categorized as 'abnormally dry' or under 'moderate to severe drought' conditions. Normally such dry conditions would favor early frost, but the first killing frost/freeze of the fall season was 1-2 weeks later than normal across most areas of the state, further extending an already full growing season.

Overall for the 5-month May-September period, precipitation totals ranged from much above normal levels across northern sections of the state to below normal in southern sections. In contrast to the unusually cool 2009 growing season, mean temperatures were consistently above normal for much of the season. Growing degree day totals were also much above normal totals, in some cases more than 20% greater than normal. New records for greatest seasonal GDD accumulation were set at a few southern locations in the state. The early start of the season and the persistent warmth led to unusually rapid crop growth, development, maturation and drydown, saving most growers money in drying costs.

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

Zone	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	61.6	58.3	3.3	70.5	67.8	2.7	74.9	71.7	3.2	72.0	69.9	2.1	62.1	62.6	-0.5	68.2	66.1	2.2
	& WASHTENAW	7.17	3.04	4.13	2.18	3.30	-1.12	3.54	3.73	-0.19	0.86	3.20	-2.34	1.33	2.62	-1.29	15.08	15.89	-0.81
	GDD	412	353	59	619	542	77	737	658	79	676	616	60	422	432	-10	2866	2601	265
Zone 2	BRANCH & CASS	61.6	59.2	2.4	70.5	68.4	2.1	74.5	71.9	2.6	72.5	70.1	2.4	63.1	63.3	-0.2	68.4	66.6	1.9
	WOOD	7.29	3.12	4.17	3.31	3.95	-0.64	3.24	3.79	-0.55	0.71	3.16	-2.45	1.34	3.01	-1.67	15.89	17.03	-1.14
	(Bowling Green, OH)	4.16	3.81	35	624	564	60	744	670	74	696	628	68	432	454	-22	2912	2697	215
Zone 3	TEMP	62.8	60.1	2.7	72.8	69.8	3.0	76.5	73.4	3.1	74.5	70.9	3.6	64.1	64.1	-0.0	71.7	67.7	4.0
	PPT	5.40	3.58	1.82	5.76	3.56	2.20	2.95	3.57	-0.62	1.09	3.36	-2.27	0.54	2.63	-2.09	15.74	16.70	-0.96
	GDD	411	360	51	674	551	123	779	682	97	734	628	106	430	430	-0.0	2598	2651	-53
Zone 4	TEMP	59.6	57.4	2.2	67.1	67.1	0.0	73.7	71.2	2.5	73.8	69.5	4.3	63.5	61.9	1.6	67.5	65.4	2.1
	PPT	5.14	2.86	2.28	8.91	3.68	5.23	4.44	2.95	1.49	1.88	3.14	-1.26	2.72	3.24	-0.52	23.09	15.87	7.22
	GDD	363	335	28	523	530	-7	732	654	78	729	610	119	425	412	13	2772	2541	231
Zone 5	TEMP	60.4	57.5	2.9	68.4	67.0	1.4	72.9	70.7	2.2	71.7	69.0	2.7	61.1	62.0	-0.9	66.9	65.2	1.6
	PPT	5.07	2.73	2.34	4.19	3.54	0.65	2.52	3.02	-0.50	1.34	3.12	-1.78	3.62	2.50	1.12	16.74	14.91	1.83
	GDD	390	338	52	563	530	33	708	640	68	678	598	80	373	418	-45	2712	2524	188
Zone 6	TEMP	61.6	58.6	3.0	69.1	68.2	0.8	74.6	72.1	2.5	73.5	70.2	3.3	61.1	62.9	-1.8	68.0	66.4	1.6
	PPT	3.39	2.49	0.90	4.49	3.09	1.40	2.09	2.83	-0.74	2.64	3.29	-0.65	2.13	2.76	-0.63	14.74	14.46	0.28
	GDD	417	367	50	582	555	27	758	670	88	725	623	102	369	438	-69	2851	2653	198
Zone 7	TEMP	60.5	55.2	5.3	65.7	64.9	0.8	72.0	69.3	2.7	71.5	67.8	3.7	60.4	61.0	-0.6	66.0	63.6	2.4
	PPT	3.46	2.58	0.88	4.41	2.88	1.53	3.53	2.93	0.60	0.81	3.01	-2.20	2.94	2.67	0.27	15.15	14.07	1.08
	GDD	385	298	87	483	479	4	683	602	81	665	569	96	346	387	-41	2562	2335	227
Zone 8	TEMP	59.4	57.7	1.7	66.7	67.1	-0.4	72.7	71.0	1.7	71.5	69.3	2.2	59.2	61.6	-2.4	65.9	65.3	0.6
	PPT	3.68	2.88	0.80	3.21	3.43	-0.22	2.14	2.50	-0.36	2.63	3.84	-1.21	1.88	3.12	-1.24	13.54	15.77	-2.23
	GDD	374	351	23	516	536	-20	706	646	60	668	603	65	334	414	-80	2598	2550	48
Zone 9	TEMP	57.3	54.4	2.9	63.8	63.6	0.2	71.5	68.5	3.0	71.0	67.2	3.8	58.3	60.2	-1.9	64.4	62.8	1.6
	PPT	2.25	2.48	-0.23	4.64	2.93	1.71	3.22	2.18	1.04	2.79	3.79	-1.00	2.42	3.25	-0.83	15.32	14.63	0.69
	GDD	339	273	66	447	450	-3	675	587	88	656	552	104	325	365	-40	2442	2227	215
Zone 10	TEMP	58.7	52.0	6.7	64.5	61.7	2.8	70.6	66.6	4.0	70.1	64.9	5.2	57.0	57.2	-0.3	64.2	60.5	3.7
	PPT	2.52	2.78	-0.26	6.52	3.12	3.40	8.55	3.11	5.44	1.66	3.23	-1.57	3.54	3.08	0.46	22.79	15.32	7.47
	GDD	389	251	138	459	413	46	644	534	110	633	496	137	292	317	-25	2417	2011	406
Zone 11	TEMP	58.5	53.5	5.0	64.9	63.7	1.1	72.6	68.8	3.8	72.7	67.3	5.4	59.1	59.3	-0.2	65.5	62.5	3.0
	PPT	2.08	2.48	-0.40	6.19	3.15	3.04	4.24	2.88	1.36	3.68	2.93	0.75	4.69	3.60	1.09	20.88	15.04	5.84
	GDD	355	273	82	471	454	17	704	587	117	698	552	146	323	348	-25	2551	2214	337
Zone 12	TEMP	57.0	53.6	3.4	63.2	62.7	0.4	70.6	67.4	3.2	70.7	65.5	5.2	55.7	57.0	-1.3	63.4	61.2	2.2
	PPT	2.07	3.57	-1.50	8.13	3.72	4.41	4.56	3.63	0.93	2.34	3.86	-1.52	6.34	3.60	2.74	23.44	18.38	5.06
	GDD	352	285	67	434	438	-4	649	559	90	638	513	125	293	319	-26	2366	2114	252
Zone 13	TEMP	55.5	52.6	2.9	61.8	62.3	-0.5	69.2	65.7	3.5	69.5	65.2	4.3	55.1	57.7	-2.6	62.2	60.7	1.5
	PPT	2.69	2.85	-0.16	6.39	3.06	3.33	5.47	3.57	1.90	1.13	3.08	-1.95	7.11	3.69	3.42	22.79	16.25	6.54
	GDD	310	263	47	395	419	-24	609	499	110	610	492	118	273	311	-38	2197	1984	213

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 2010
 NORM = Normals calculated over 30 year period (1951-1980)
 DEV = Deviation of observed from normal
 Table courtesy of MSU Agricultural Weather Office (517-355-0231)

2010

GRAIN PERFORMANCE TRIALS

Introduction

The grain index (pg.28) contains a list of all hybrids planted in the 2010 grain trials.

County results are reported in the following tables:

Tables 1E/1L Zone 1 - Branch, Cass and Washtenaw

Tables 2E/2L Zone 2 - Allegan, Ingham and Saginaw

Tables 3E/3L Zone 3 - Huron, Mason and Montcalm

Table 4 Zone 4 - Grand Traverse, Menominee (L) and Ogemaw

Table 5 Zone 5 – Delta and Menominee (E)

Tables 6E/6L Glyphosate Trial – Huron (Zone 3), Montcalm (Zone 3) and Saginaw (Zone 2)

The map of Michigan (page 7) shows each zone and the locations where the trials were located.

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 (RM) provided by the seed companies. In Zones 4 and 5, all hybrids were tested in one group.

Four-row plots were used at all 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, randomized complete block design. Hybrid performance is reported as the adjusted mean averaged together from four replicated plots.

Variety trials were conducted on farmers' fields and Michigan State University Experiment Stations. 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, Mason and Montcalm counties were irrigated.

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

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).

How to Choose a Hybrid

Adaptation

Local variations in weather, soil type, fertility, time of planting, and other conditions affect adaptation, so there's no substitute for observing individual characteristics while the plants are growing.

The best time to compare hybrids is usually in late August or early September as they approach maturity. Each year, demonstration plots containing each hybrid are planted at a limited number of test locations, usually one location per zone. In 2010, Hybrids were identified in Grand Traverse, Ingham, Menominee, Ogemaw, and Washtenaw 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. Most locations in these trials were planted at 36,000 plants per acre.

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.

For Grain

When you're 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.

2010 Grain Trial Locations

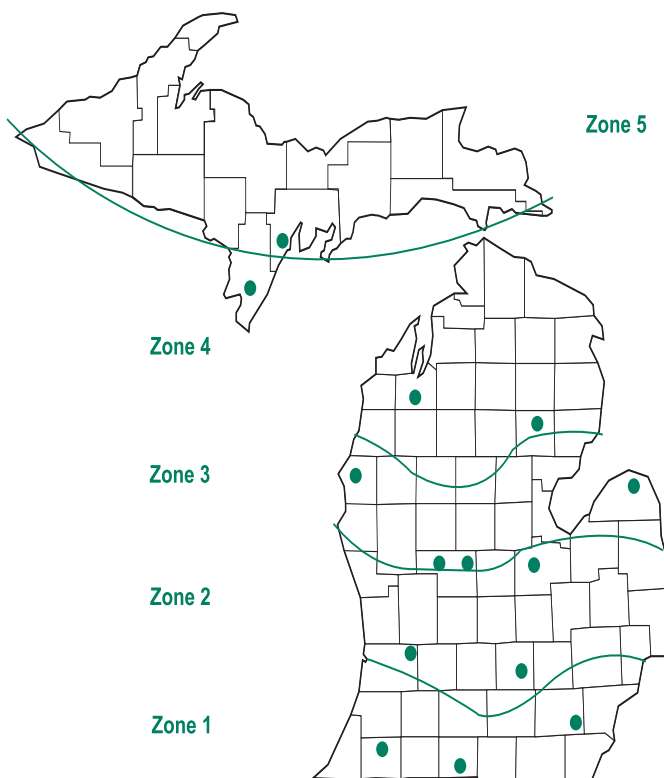


TABLE 1E. BRANCH, CASS & WASHTENAW COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier) ZONE 1

2010		EARLY - TRIAL AVERAGE						BRANCH - EARLY						CASS - EARLY						WASHTENAW - EARLY					
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd		
AGRA A100	100			14.6	161.9	56.0	1.8	100	13.6	150.1	54.6	0.3	100	13.5	167.2	57.3	0.9	99	16.6	168.4	56.2	4.3	100		
AGRA A101	101			15.5	179.1	55.5	1.6	99	14.1	181.8	54.5	0.0	97	13.6	182.2	56.6	0.0	99	18.8	173.4	55.4	4.9	100		
AGRA A107	107			17.2	200.9*	55.2	1.5	97	15.6	199.7*	53.9	0.3	97	13.9	204.5	56.7	0.0	95	22.0	198.6*	55.1	4.2	98		
AGRA A902Q	102		1,2,3,4	15.0	186.3	54.2	2.6	99	13.8	167.1	52.7	3.5	97	13.4	207.4*	55.8	1.2	100	17.8	184.4*	54.0	3.2	99		
AGRA A906Q	106		1,2,3,4	15.9	192.8*	55.3	1.5	98	15.4	190.1	54.5	0.3	97	13.8	200.9**	56.1	1.8	98	18.6	187.3*	55.2	2.3	98		
AGRIGOLD A6323GT3	103	C250	1,2,3	15.5	192.3*	55.7	2.5	98	14.7	190.9	54.4	0.0	98	14.1	207.0*	57.0	0.6	99	17.6	178.9	55.6	7.0	98		
BECK 4613A3	102		1,2,3,4	15.2	179.7	55.6	4.0	99	13.9	174.0	53.9	0.0	98	13.7	183.7	56.9	0.3	99	18.0	181.3	55.9	11.8	100		
BECK 4817HXR1M*	104		1,2,3,4	15.7	182.2	56.6	1.6	97	14.6	174.1	55.4	0.9	100	14.0	209.5*	58.3	0.3	98	18.6	163.0	56.0	3.7	93		
BECK 5269HXR1M*	106		1,2,3,4	16.0	195.1*	57.1	4.6	96	15.9	195.7	56.2	0.3	94	14.7	213.3*	57.6	0.3	95	17.3	176.2	57.6	13.2	99		
BECK 5354HXR1M*	107		1,2,3,4	16.9	193.8*	56.7	1.7	100	16.5	174.7	56.2	0.0	99	14.6	230.9**	57.6	0.0	100	19.7	175.9	56.2	5.2	100		
BECK 5377HR1M*	106		1,2,4	16.9	190.0	55.4	0.9	97	15.1	182.8	56.3	0.6	96	14.2	196.8	55.9	0.0	99	21.5	190.4*	53.9	2.0	95		
CHANNEL 201-16VT3 Brand	105		1,2,3,4	14.9	178.7	56.6	10.5	98	13.6	166.0	57.8	0.6	99	13.7	200.5	56.3	1.8	100	17.4	169.5	55.6	29.0	94		
CROPLAN 5338SS	103			15.1	181.0	55.8	2.8	93	14.2	194.5	55.7	0.9	94	13.6	188.2	56.7	0.6	92	17.4	160.4	54.9	7.0	92		
DAIRYLAND STEALTH-9206Q	106	C250	1,2,3,4	16.0	188.3	55.0	5.0	99	15.0	190.6	56.5	0.3	99	14.0	185.2	54.7	0.9	98	18.9	189.2*	53.8	13.8	100		
DEKALB DKC50-35 (VT3)	100	P250	1,2,3	14.6	177.3	56.5	0.2	99	13.7	165.4	55.1	0.0	98	13.6	189.3	57.4	0.0	99	16.6	177.2	56.9	0.6	100		
DEKALB DKC50-66 (VT3)	100	P250	1,2,3	14.2	148.8	56.3	6.2	99	13.7	151.9	55.1	0.0	100	13.5	141.6	57.1	8.3	98	15.3	152.8	56.8	10.3	100		
DEKALB DKC51-86 (GENVT3P)	101			14.5	171.4	55.9	2.3	100	14.0	165.1	55.9	0.0	99	13.5	192.2	56.1	1.2	100	16.0	174.8	55.6	5.7	100		
DEKALB DKC52-59 (VT3)	102	P250	1,2,3	14.5	195.7*	54.7	5.3	99	13.8	192.8	54.5	0.0	100	13.4	218.5*	55.5	0.0	99	16.2	175.8	54.2	15.9	99		
DEKALB DKC54-16 (VT3)	104	P250	1,2,3	15.3	187.7	54.8	4.3	99	14.0	174.2	58.6	0.0	100	13.9	210.5*	51.7	0.3	100	17.9	178.4	54.1	12.6	98		
DEKALB DKC54-49 (VT3)	104	P250	1,2,3	14.7	178.7	57.5	6.8	99	13.9	177.8	56.1	4.0	100	13.7	185.3	57.8	3.8	99	16.4	172.9	58.5	12.7	97		
DEKALB DKC57-50 (VT3)	107	P250	1,2,3	15.8	195.2*	54.3	1.0	98	15.5	196.5	53.7	0.0	96	14.0	219.0*	55.3	0.0	99	17.8	170.0	54.0	3.1	100		
DYNAGRO 56R60	107	C250	1,2,3,4	15.2	177.8	54.5	1.7	99	14.5	178.6	53.9	0.9	100	13.5	185.9	55.9	1.2	100	17.7	168.8	53.7	2.9	96		
DYNAGRO CX10106	106	C250	1,2,3	14.5	170.9	55.1	4.6	94	13.7	167.7	53.5	0.0	95	13.4	183.3	55.7	0.0	90	16.3	161.8	56.1	13.9	96		
DYNAGRO D445S49	104	C250	1,2,3,4	15.5	190.6	56.4	1.2	98	14.2	181.8	56.0	0.3	96	13.6	209.8*	58.1	0.3	99	18.6	180.3	55.0	2.9	98		
DYNAGRO D45050	105	C250	1,2,3,4	16.3	195.2*	53.7	2.5	98	15.5	179.5	52.7	0.6	97	13.8	218.0*	55.7	1.8	97	19.6	188.0*	52.8	5.0	99		
G2 GENETICS 1H-005 HXILL	105	C250	2,4	16.0	178.4	55.7	3.5	100	14.8	170.8	57.7	0.0	99	13.7	184.9	56.0	0.6	100	19.4	179.4	53.5	9.8	100		
G2 GENETICS 5H-005 RR/HX	105	C250	1,2,4	16.1	185.1	53.1	1.5	100	14.7	177.8	53.4	0.0	100	13.6	188.9	52.9	0.0	100	19.9	188.5*	53.1	4.6	100		
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	16.4	198.7*	55.5	3.6	93	15.5	192.7	55.5	0.3	95	14.1	215.7*	56.8	3.1	94	19.5	187.7*	54.2	7.4	90		
G2 GENETICS 5H-608 RR/HX	107	C250	1,2,4	17.2	184.1	54.3	1.4	98	15.4	181.9	53.8	0.3	97	13.9	184.2	55.4	0.6	98	22.2	186.1*	53.7	3.2	99		
G2 GENETICS 5X-007 RR/HXT	107	C250	1,2,3,4	16.0	191.6*	57.8	2.2	99	15.1	186.7	56.3	0.6	98	13.9	199.9	60.4	0.6	99	19.0	188.1*	56.7	5.5	100		
G2 GENETICS 5X-007A RR/HXT	107	C250	1,2,3,4	15.5	191.1	56.1	1.5	100	14.7	192.7	55.0	0.0	99	14.0	207.2*	57.4	0.0	100	17.9	173.5	55.9	4.6	100		
G2 GENETICS 5X-905 RR/HXT	105	C250	1,2,3,4	16.2	188.9	55.8	0.7	98	15.1	176.8	56.2	0.0	97	13.6	206.6*	57.6	0.0	98	19.9	183.3	53.7	2.0	100		
GARST 86M39-3000GT Brand	105	C250	1,2,3,4	15.6	186.8	56.1	1.1	95	14.9	177.1	56.1	0.0	93	14.1	200.6	56.3	0.0	93	17.7	182.7	55.8	3.2	100		
GOLDEN HARVEST H-8211 3000GT Brand	105	C250	1,2,3,4	15.5	195.0*	55.5	1.0	94	14.5	187.2	55.5	0.3	95	13.7	214.3*	55.6	0.0	99	18.2	183.6	55.3	2.8	87		
GREAT LAKES 5211GS	102	P250	1,2,3,4	15.1	177.6	55.6	3.6	97	14.5	189.1	55.7	0.3	94	13.7	202.4	57.2	0.6	99	17.1	141.3	53.9	9.8	97		
GREAT LAKES 5643VT3PRO	106	P250	1,2,3	15.1	189.3	54.4	1.1	99	14.1	186.7	54.5	0.3	98	13.2	212.2*	54.7	0.6	99	18.1	169.1	54.0	2.3	99		
GREAT LAKES 5783G3VT3	107	P250	1,2,3	16.0	185.1	54.5	1.9	96	15.2	178.2	55.2	0.0	95	13.9	192.5	54.1	0.0	92	18.9	184.6*	54.2	5.7	100		
HERITAGE 4395VT3	107	P250	1,2,3	16.7	205.0**	56.2	2.9	96	15.3	186.4	55.8	0.0	97	14.0	222.4*	57.5	2.6	100	20.9	206.1*	55.2	6.2	92		
HERITAGE 8390GENSS	104	P250	1,2,3,4	15.0	189.3	55.9	1.6	99	13.9	189.4	56.0	0.0	100	13.5	204.8*	57.1	0.0	99	17.6	173.7	54.5	4.9	99		
INTEGRA SEED 9530 VT3	103			14.5	175.0	55.1	1.9	97	14.1	169.6	55.4	0.0	92	13.6	199.7	55.0	0.3	100	15.7	155.7	55.0	5.5	100		
INTEGRA SEED 9532 SS	104			15.9	176.1	55.0	3.7	98	14.6	177.4	55.6	0.0	95	13.9	176.9	53.4	0.9	98	19.2	174.1	55.9	10.1	100		
INTEGRA SEED 9591 RB	107			17.2	188.6	56.8	0.9	96	15.6	185.0	58.0	0.6	93	14.4	190.0	57.5	0.0	94	21.5	190.9*	54.8	2.0	100		
MASTERS CHOICE MCT-493	93	P250	1,2,3,4	14.2	159.1	55.2	1.0	100	13.6	157.8	53.3	0.3	100	13.4	169.2	55.7	0.6	100	15.6	150.3	56.7	2.0	100		
MYCOGEN 2J597	105	C250	1,2,3,4	15.6	181.1	55.1	1.8	99	14.6	182.3	54.0	0.3	100	13.9	192.7	56.3	0.0	96	18.4	168.2	55.1	5.1	100		
NK Brand N61P 3000GT Brand	105	C250	1,2,3,4	15.9	196.8*	55.4	0.9	99	15.5	178.7	53.7	0.0	97	13.7	223.7*	58.1	0.0	99	18.5	188.1*	54.3	2.6	100		

NuTech 3A-406 GT	106	C250	1	16.3	198.1*	54.4	1.4	99	15.1	197.5	53.2	1.5	99	13.9	210.0*	55.3	0.6	99	20.0	186.9*	54.7	2.0	100
NuTech 3A-804 GT	104	C250	1	15.6	182.2	54.9	2.4	98	14.6	174.5	54.5	0.6	98	13.9	201.2	55.2	0.0	100	18.4	171.0	55.0	6.7	96
NuTech 5N-705 GT/CB/LURW	105	C250	1,2,3,4	15.6	191.9*	56.7	0.8	99	14.6	187.2	55.5	0.3	99	14.0	210.8*	57.7	0.0	99	18.3	177.7	56.9	2.0	100
NuTech 5N-803 GT/CB/LURW	103	C250	1,2,3,4	14.5	185.2	55.4	9.7	97	14.2	183.2	56.4	0.0	97	13.4	206.0*	54.8	1.2	94	16.0	166.4	54.9	27.9	100
NuTech 5N-804 GT/CB/LURW	104	C250	1,2,3,4	15.5	198.0*	56.0	0.8	99	14.6	201.6*	56.2	0.9	99	13.8	199.1	55.6	0.0	100	18.2	193.4*	56.2	1.4	99
PIONEER 35F40	105	P1250	1,2,4,11,12	16.6	200.0*	57.1	1.9	99	15.5	194.5	56.3	0.0	100	14.4	220.6*	58.4	0.6	100	20.0	185.0*	56.7	5.2	96
PIONEER 35K04	106	C250	1,2,3,4,11,12	16.1	186.0	58.6	2.1	97	15.3	177.6	58.1	0.3	96	14.5	210.9*	58.6	0.0	99	18.6	169.6	59.0	6.1	97
RENK RK694GTCBLLRW	104	C250	1,2,3,4	15.4	182.9	56.2	1.4	97	14.0	172.6	54.4	0.0	99	14.0	198.9	57.9	0.6	97	18.1	177.1	56.3	3.5	95
RENK RK698VT3	103	P250	1,2,3	15.3	186.2	57.1	2.6	98	14.1	188.4	56.8	1.2	97	13.8	191.8	58.2	0.6	98	18.0	178.5	56.4	5.9	98
RENK RK744VT3	107	P250	1,2	15.9	198.0*	54.3	5.0	97	14.4	185.8	56.7	0.0	93	13.9	203.0	51.4	0.9	98	19.5	205.1*	54.9	14.1	100
RUPP XR8013	107	P250	1,2,3	15.0	183.4	56.4	6.8	98	14.4	189.8	57.3	0.0	96	13.7	200.6	56.5	0.9	97	17.0	159.9	55.4	19.5	100
RUPP XR8034	105	C250	1,2,3,4	15.6	195.5*	55.4	1.8	98	14.6	193.4	55.6	0.0	96	13.6	197.2	55.1	0.0	98	18.6	196.0*	55.5	5.4	100
RUPP XR8039	105	P250	1,2,3	15.4	193.9*	55.8	9.1	98	14.6	216.3**	55.3	1.4	100	14.0	203.2	56.6	2.4	95	17.5	162.3	55.5	23.5	98
RUPP XR8407	107	P250	1,2,3	16.2	187.5	56.4	3.9	99	15.3	189.8	55.5	0.0	98	13.9	194.0	57.5	0.3	100	19.5	178.6	56.2	11.5	100
SEED CONSULTANTS SC10A000	100	C250	1,2,3,4	14.4	183.9	53.9	1.9	98	13.9	181.6	52.3	0.6	96	13.4	207.1*	54.7	0.6	98	15.9	163.0	54.8	4.6	100
SEED CONSULTANTS SCEX0103-3	104	C250	None	14.3	158.2	54.8	2.9	100	13.6	162.2	53.9	1.1	100	13.4	150.3	54.6	0.9	99	16.0	162.1	55.8	6.6	100
SEED CONSULTANTS SCS10HQ30TM	103	C250	1,2,3,4	16.6	185.4	56.0	0.5	98	16.1	188.7	55.1	0.0	98	14.5	199.0	57.1	0.0	98	19.1	168.5	55.7	1.4	99
SEED CONSULTANTS SCS10HQ70TM	107	C250	1,2,3,4	17.5	180.2	58.3	1.9	97	16.6	186.7	58.1	0.0	99	15.4	179.9	59.5	0.0	93	20.4	174.0	57.2	5.7	100
STEWART 5A988	104		1,2,3,4	15.3	180.6	55.8	4.8	95	13.9	183.2	54.6	0.0	97	13.5	203.3	58.1	0.0	97	18.6	155.3	54.7	14.5	91
STEWART 6T538	106		1,2,3,4	16.8	193.5*	56.5	1.4	99	15.4	174.9	56.7	0.3	98	14.0	195.6	58.2	0.9	100	21.1	210.0**	54.6	3.1	100
STEWART 6T725	106		1,2,3,4	15.7	193.4*	56.4	1.3	96	15.3	195.0	55.4	0.0	94	13.7	202.6	58.3	1.2	100	18.2	182.7	55.5	2.6	94
STEYER 1063 3000GT	106	C250	1,2,3,4	16.2	182.7	54.4	2.2	99	15.0	184.4	52.8	0.3	99	13.6	172.2	57.4	0.3	99	19.9	191.6*	53.1	6.0	100
STEYER 10701 VT3	107	C250	1,2,3	16.2	191.5*	56.1	5.3	95	14.9	191.2	55.7	0.0	94	13.6	199.0	57.1	0.3	97	20.0	184.3*	55.5	15.6	95
WELLMAN W2000R	100		1	14.9	176.7	56.3	3.8	99	14.0	176.5	55.2	0.6	99	13.7	190.5	56.5	2.4	97	16.9	163.2	57.1	8.3	100
WELLMAN W2004R	104		1	14.7	182.9	57.2	4.0	100	14.2	196.8	56.9	2.0	99	13.5	190.6	57.8	0.9	100	16.3	161.4	56.8	9.2	100
WELLMAN W2007VT3	107		1,2,3	15.3	191.8*	56.2	5.7	98	14.2	189.4	57.4	0.3	97	13.7	216.4*	56.4	0.6	96	17.9	169.7	54.9	16.1	100
WELLMAN W2100R	100		1	14.7	168.3	58.1	3.0	97	14.0	158.6	58.5	0.3	97	13.7	182.9	58.0	1.5	99	16.5	163.5	57.9	7.3	95
WELLMAN W2102VT3	102		1,2,3	14.5	176.5	55.4	0.8	97	13.5	158.6	54.7	0.0	100	13.3	199.4	56.4	0.0	99	16.7	171.4	55.0	2.3	93
WELLMAN W2105VT3	105		1,2,3	15.5	201.3*	55.5	9.1	98	14.5	208.7*	55.4	0.3	97	13.7	217.9*	57.5	3.7	96	18.3	177.2	53.7	23.3	100
WELLMAN W2706	106			15.4	188.6	56.6	1.1	97	14.6	185.2	55.2	0.3	97	13.5	196.7	56.4	0.6	98	18.0	183.8*	58.2	2.5	97
AVERAGE				15.6	185.7	55.8	2.9	98	14.6	182.1	55.4	0.4	97	13.8	198.3	56.5	0.8	98	18.3	176.5	55.4	7.5	98
HIGHEST				17.5	205.0	58.6	10.5	100	16.6	216.3	58.6	4.0	100	15.4	230.9	60.4	8.3	100	22.2	210.0	59.0	29.0	100
LOWEST				14.2	148.8	53.1	0.2	93	13.5	150.1	52.3	0.0	92	13.2	141.6	51.4	0.0	90	15.3	141.3	52.8	0.6	87
CV (%)				5.8	9.2	4.4	186.1	4.0	2.8	7.4	3.3	312.2	4.0	1.8	9.5	3.6	226.5	3.0	8.2	10.6	2.8	120.8	6.0
LSD (5%)				0.7	13.6	2.0	4.3	3.0	0.6	18.7	2.6	1.7	5.0	0.3	26.1	2.8	2.4	4.0	2.1	26.2	2.1	12.6	8.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

-2 Year Averages Continued On Page 16.

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

2010		LATE - TRIAL AVERAGE						BRANCH - LATE						CASS - LATE						WASHENTAW - LATE					
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd		
AGRA A110	110			17.2	180.2	57.5	2.1	99	16.0	170.7	58.1	0.9	97	14.4	207.9	58.8	0.0	100	21.2	162.1	55.7	5.5	100		
AGRA A909	109			16.5	177.5	58.3	4.9	97	16.2	179.8	57.6	0.3	98	14.5	186.4	59.8	1.8	98	18.8	166.4	57.4	12.6	95		
AGRIGOLD A6421STX	108	P250	1,2,3	17.4	176.3	56.6	1.3	99	16.0	171.4	58.3	0.0	96	14.0	177.8	57.9	0.0	100	22.2	179.6	53.5	4.0	100		
AGRIGOLD A6458VT3	109	P250	1,2,3	17.1	192.1	53.7	0.8	99	15.6	188.7	58.3	0.6	98	13.3	196.6	55.2	0.0	99	22.5	190.9	52.2	1.7	100		
AGRIGOLD A6476VT3	110	P250	1,2,3	18.2	195.3	56.3	1.1	99	16.5	197.7	56.4	0.9	99	14.5	194.2	58.8	0.3	98	23.5	194.0	53.7	2.0	100		
BECK 5442VT3	110	1,2,3		16.2	192.6	55.0	9.2	99	15.6	195.7	54.2	0.3	97	13.9	202.3	56.5	1.2	100	19.1	179.8	54.3	26.2	100		
BECK 5435HXR TM*	109	1,2,3,4		17.7	178.6	57.9	1.6	98	16.6	171.8	57.9	0.3	98	14.7	184.1	59.5	0.0	97	21.9	180.0	56.4	4.4	100		
CHANNEL 209-19VT3 Brand	109	1,2,3		15.5	180.2	56.6	3.3	99	14.9	187.2	57.1	0.0	97	13.6	199.6	58.2	0.0	100	17.9	153.9	54.6	9.8	100		
CHANNEL 210-61VT3 Brand	110	1,2,3		17.3	174.2	54.3	3.3	97	15.7	172.7	56.3	0.0	94	13.9	177.2	55.1	0.0	96	22.2	172.7	51.5	9.8	100		
DAIRYLAND STEALTH-1809	109	C250		14.7	181.4	53.9	2.2	99	14.1	182.6	54.1	0.0	99	13.5	190.9	54.4	0.6	97	16.6	170.6	53.1	6.0	100		
DAIRYLAND STEALTH-6310	110	C250		16.3	186.0	55.1	1.3	99	15.6	189.1	53.9	0.3	99	14.1	201.5	57.0	0.3	99	19.2	167.5	54.5	3.4	100		
DAIRYLAND STEALTH-9710SSX	110	C250	1,2,3,4	17.9	176.2	55.2	1.2	99	17.2	184.6	55.1	0.0	98	14.9	181.9	57.0	0.9	99	21.6	162.1	53.6	2.6	100		
DEKALB DKC58-83 (GENVT3P)	108			16.4	191.6	56.6	1.9	100	14.3	186.1	56.2	0.0	100	14.0	200.3	57.8	0.0	100	21.0	188.3	55.7	5.7	100		
DEKALB DKC59-35 (VT3)	109	P250	1,2,3	18.0	193.9	55.8	2.6	98	15.8	193.7	57.1	0.0	94	14.3	192.2	57.2	1.2	99	24.0	195.9	53.2	6.6	100		
DEKALB DKC59-64 (VT3)	109	P250	1,2,3	15.5	183.0	56.0	4.4	100	15.4	198.8	56.3	0.3	100	13.7	212.5	56.6	0.0	100	17.3	137.8	55.2	13.0	100		
DEKALB DKC60-51 (VT3)	110	P250	1,2,3	16.7	197.5	58.0	2.5	98	15.0	189.9	59.7	0.0	97	14.0	203.5	58.7	1.5	98	21.2	199.2	55.6	6.0	100		
DEKALB DKC62-54 (VT3)	112	P250	1,2,3	16.3	198.6	56.6	6.2	99	15.3	195.4	56.2	0.3	97	13.8	210.1	57.6	0.0	100	19.7	190.3	55.9	18.4	100		
DEKALB DKC62-97 (GENVT3P)	112			16.8	201.6	56.2	2.6	99	15.3	198.9	56.3	0.0	99	14.0	214.2	58.3	0.0	99	21.1	191.7	54.0	7.8	98		
DYNAMO 57V40	111	1,2,3		17.0	184.0	55.1	5.5	99	15.7	180.5	53.9	0.6	99	14.3	201.4	58.3	0.0	97	20.9	170.1	53.0	15.8	100		
G2 GENETICS 3A-511 RR	111	C250	1	17.5	189.1	55.9	4.2	99	16.3	195.4	55.3	0.0	99	14.3	201.9	57.3	1.5	98	22.0	170.0	55.1	11.2	100		
G2 GENETICS 5H-509 RR/HX	109	C250	1,2,4	17.1	203.6	56.5	0.4	98	15.8	204.2	56.3	0.0	94	14.4	214.0	57.8	0.0	100	21.1	192.7	55.3	1.2	99		
G2 GENETICS 5H-511 RR/HX	111	C250	1,2,4	17.9	194.6	55.4	2.0	97	16.0	200.5	56.2	0.0	96	14.5	179.4	56.9	1.5	96	23.2	203.9	53.2	4.4	99		
G2 GENETICS 5H-608A RR/HX	108	C250	1,2,4	17.1	182.2	55.2	1.1	98	15.8	181.3	55.3	0.0	97	14.2	186.8	56.2	0.0	98	21.3	178.6	54.0	3.2	99		
G2 GENETICS 5H-909 RR/HX	109	C250	1,2,4	16.8	189.8	59.2	1.2	97	16.1	188.7	59.1	0.0	94	14.6	201.6	60.9	0.0	98	19.7	179.0	57.7	3.5	99		
G2 GENETICS 5X-209 RR/HXT	109	C250	1,2,3,4	16.4	186.0	57.7	0.6	98	15.9	179.5	57.8	0.0	96	14.2	202.0	57.6	0.0	98	19.2	176.6	57.6	1.7	100		
G2 GENETICS 5X-711 RR/HXT	111	C250	1,2,3,4	17.9	195.8	57.5	0.3	96	16.6	186.6	56.9	0.0	97	15.0	201.8	60.7	0.0	94	22.0	199.0	54.8	0.9	96		
G2 GENETICS 5X-908 RR/HXT	108	C250	1,2,3,4	16.8	184.3	56.7	1.5	99	15.3	176.7	56.7	0.3	99	14.7	203.3	57.7	0.3	98	20.3	173.0	55.8	4.0	100		
G2 GENETICS 5X-909 RR/HXT	109	C250	1,2,3,7	17.5	184.8	58.9	1.1	99	16.6	188.2	59.2	0.0	98	14.6	177.5	60.2	1.5	99	21.2	188.8	57.4	1.7	100		
GARS T84U96-3000GT Brand	110	C250	1,2,3,4	18.0	188.0	55.4	1.7	100	17.6	212.6	54.2	0.0	100	15.7	193.8	57.3	0.3	99	20.6	157.5	54.6	4.9	100		
GOLDEN HARVEST H-8969 3000GT Brand	110	C250	1,2,3,4	17.0	182.1	54.4	1.0	95	15.9	188.1	52.6	0.3	97	14.1	176.1	58.4	0.4	88	20.9	182.2	52.2	2.3	100		
GREAT LAKES 5939G3VT3	109	P250	1,2,3	16.4	196.6	53.7	5.9	99	15.6	191.8	55.4	0.6	99	13.3	200.3	54.5	1.2	98	20.3	197.8	51.2	15.8	100		
HERITAGE 4602VT3	109	P250	1,2,3	16.8	199.8	55.2	3.6	99	15.4	206.2	54.9	0.3	98	14.1	209.3	57.4	0.0	99	21.0	184.0	53.2	10.6	100		
MYCOGEN 2K679	109	C250	1,2,3,4	15.8	179.7	55.3	2.6	99	14.2	176.9	55.8	0.0	97	13.6	197.4	56.1	0.0	99	19.5	164.7	53.9	7.8	100		
NK Brand N63R 3000GT Brand	109	C250	1,2,3,4	17.2	193.2	56.5	3.4	99	16.1	193.9	57.2	0.3	97	14.3	200.7	57.6	0.0	99	21.1	185.0	54.7	9.8	100		
NuTech 1N-109 CB/LL/RW	109	C250	2,3,4	15.9	179.1	55.8	1.5	98	15.0	198.6	56.4	0.0	97	13.6	177.4	56.8	0.7	97	19.1	161.2	54.1	3.7	100		
NuTech 3A-710 GT	110	C250	1	16.2	168.3	56.3	3.6	99	15.1	177.4	56.7	1.1	97	13.8	179.4	58.7	1.8	99	19.6	148.1	53.5	8.0	100		
NuTech 3T-110 VT3	110	P250	1,2,3	16.6	188.8	55.5	8.7	99	15.2	187.6	57.2	0.0	100	14.0	189.1	56.0	1.8	97	20.7	189.8	53.4	24.4	100		
NuTech 3T-708 VT3	108	C250	1,2,3	16.7	181.1	54.9	2.7	100	14.3	172.7	55.8	0.3	100	13.5	192.7	56.4	0.6	100	22.2	177.8	52.6	7.2	100		
NuTech 3T-808 VT3	108	C250	1,2,3	15.8	166.0	56.9	5.7	98	15.7	180.8	58.7	0.0	96	13.6	187.5	57.5	0.9	99	18.1	129.7	54.6	16.2	99		
NuTech 3T-810 VT3	110	C250	1,2,3	17.5	164.2	53.9	2.6	80	17.4	170.8	54.6	0.0	67	14.8	174.0	55.6	0.0	73	20.4	147.9	51.5	7.8	100		
PIONEER 34F97	111	C250	1,2,3,4,11	18.6	195.3	55.1	0.1	98	18.1	190.8	55.1	0.0	94	15.5	205.2	56.5	0.0	100	22.1	190.0	53.8	0.3	100		
PIONEER P0891XR	108	C250	1,2,3,4	15.5	179.8	59.1	2.6	99	14.8	176.7	58.8	0.6	99	14.0	186.9	59.9	0.0	100	17.7	175.9	58.6	7.2	99		
RENK RK764SSTX	108	P250	1,2,3,4	17.4	175.8	57.4	0.5	99	15.7	170.4	59.1	0.0	98	14.0	174.8	59.1	0.0	98	22.6	182.1	53.9	1.4	100		
RENK RK848VT3P	112	P250	1,2,3	16.8	182.3	57.0	2.9	97	15.2	187.7	58.2	0.3	95	13.5	180.9	57.7	0.9	97	21.6	178.4	55.2	7.5	99		
RENK RK880VT3P	112	P250	1,2,3	16.8	197.1	56.2	4.3	99	15.5	196.0	55.8	0.3	97	14.0	199.6	57.4	0.0	100	20.9	195.7	55.4	12.6	100		

RUPP XR1791	109	C250	16.8	179.1	57.7	3.8	82	16.4	182.8	57.8	0.0	80	14.5	182.2	58.9	0.4	81	19.6	172.2	56.5	11.1	86
SEED CONSULTANTS SC10AQ91A	110	C250	16.4	191.0*	54.8	2.6	98	15.1	193.6*	53.5	0.3	95	13.9	217.3**	57.9	0.3	100	20.3	162.0	52.9	7.2	100
SEED CONSULTANTS SC11AQ07	111	C250	18.6	196.1*	53.0	3.7	99	16.6	186.7	54.3	0.0	97	14.1	211.4*	54.5	0.0	97	25.2	190.2*	50.3	11.0	100
SEED CONSULTANTS SCSEX0111-3	111	C250	18.3	184.8	52.2	1.5	97	17.0	191.5	52.3	0.0	97	14.2	188.6	53.7	0.0	96	23.8	174.3	50.5	4.6	99
SEED CONSULTANTS SC10HO78TM	108	C250	16.7	175.5	58.0	2.2	98	15.6	165.2	56.6	0.3	96	14.9	202.4*	59.5	0.3	97	19.7	158.9	58.0	6.0	100
SEED CONSULTANTS SC11HC00TM	110	C250	18.9	190.8*	57.2	2.3	95	17.8	182.5	57.5	0.0	97	16.1	192.7*	59.1	0.9	92	22.8	197.3*	55.0	6.0	96
STEWART 7A218	109	P250	17.9	190.8*	54.5	2.9	98	16.5	175.2	54.4	0.6	98	14.4	187.8	56.0	0.0	96	22.7	209.3**	53.2	8.0	100
STEWART SEEDS 7T945	111	P250	17.3	190.3*	56.1	3.4	100	15.5	187.3	57.2	0.3	99	13.9	205.4*	57.4	1.5	100	22.6	178.1	53.6	8.3	100
STEVER 1083 HXTRR	108	C250	15.1	176.9	56.0	5.5	95	14.2	183.1	58.3	0.3	96	13.5	174.4	56.3	0.3	91	17.7	173.2	53.5	15.9	98
AVERAGE			16.9	186.0	56.0	2.8	98	15.8	186.3	56.3	0.2	96	14.2	194.3	57.5	0.5	97	20.8	177.4	54.3	7.7	99
HIGHEST			18.9	203.6	59.2	9.2	100	18.1	212.6	59.7	1.1	100	16.1	217.3	60.9	1.8	100	25.2	209.3	58.6	26.2	100
LOWEST			14.7	164.2	52.2	0.1	80	14.1	165.2	52.3	0.0	67	13.3	174.0	53.7	0.0	73	16.6	129.7	50.3	0.3	86
CV (%)			6.0	9.8	3.1	153.4	4.0	3.0	7.8	3.6	312.2	5.0	2.4	9.8	3.0	222.9	4.0	8.0	11.7	2.8	94.8	2.0
LSD (5%)			0.8	14.6	1.4	3.4	3.0	0.7	20.2	2.8	0.9	6.0	0.5	26.5	2.4	1.4	5.0	2.3	29.0	2.1	10.3	2.0

2 Year Averages 2010 - 2009

BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE				BRANCH - LATE				CASS - LATE				WASHTENAW - LATE							
				%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
AGRIGOLD A6458VT3	109	P250	1,2,3	22.3	204.7*	52.9	1.1	99	25.7	201.7*	52.0	0.3	98	18.2	196.5*	54.1	1.6	100	23.1	216.0*	52.6	1.3	99
BECK 5442VT3	110		1,2,3	21.9	200.1*	53.5	5.2	99	25.1	196.0*	52.3	0.2	98	18.8	199.1*	54.6	2.0	100	21.7	205.2*	53.5	13.4	99
CHANNEL 209-19VT3 Brand	109		1,2,3	20.8	197.0*	54.6	2.0	99	23.9	199.5*	53.9	0.2	97	18.2	201.1*	55.8	0.7	100	20.3	190.5	54.1	5.2	99
DEKALB DKC59-35 (VT3)	109	P250	1,2,3	22.9	202.2*	54.0	1.9	97	25.0	198.8*	53.9	0.0	96	18.9	199.2*	55.2	0.8	98	24.8	208.5*	52.8	4.8	97
DEKALB DKC59-64 (VT3)	109	P250	1,2,3	22.0	192.9	54.0	2.9	97	25.2	196.0*	53.4	0.1	99	18.7	200.2*	54.8	1.5	98	22.0	182.5	53.7	7.0	94
DEKALB DKC60-51 (VT3)	110	P250	1,2,3	22.0	206.1*	55.1	1.4	96	24.4	198.2*	55.2	0.0	96	18.6	201.1*	56.0	0.9	98	23.0	218.9**	54.2	3.2	95
DYNAGRO 57V40	111		1,2,3	22.2	197.2*	53.6	3.6	98	25.0	188.5	52.2	0.3	97	19.2	199.5*	55.6	1.8	98	22.5	203.5*	52.9	8.7	100
G2 GENETICS 5H-909 RR/HX	109	C250	1,2,4	21.3	199.7*	56.0	0.9	96	24.0	197.1*	55.1	0.3	93	18.5	196.9*	57.3	0.2	98	21.5	205.2*	55.7	2.1	97
G2 GENETICS 5X-711 RR/HXT	111	C250	1,2,3,4	22.9	205.3*	54.7	0.5	95	25.7	198.9*	53.7	0.0	97	19.2	204.4*	56.9	0.8	95	23.8	212.5*	53.6	0.8	94
G2 GENETICS 5X-909 RR/HXT	109	C250	1,2,3,7	21.7	200.1*	55.9	0.8	97	24.3	197.1*	55.1	0.2	95	18.3	190.4	57.1	0.7	98	22.4	212.9*	55.5	1.5	99
GREAT LAKES 5939G3VT3	109	P250	1,2,3	22.2	203.1*	52.8	3.8	99	25.8	203.9**	52.9	0.3	99	18.5	190.0	53.7	2.6	99	22.4	215.5*	51.9	8.5	98
NuTech 3T-110 VT3	110	P250	1,2,3	21.9	199.7*	53.9	4.7	100	24.8	190.1	53.9	0.0	100	18.7	195.2	54.5	1.6	99	22.3	213.8*	53.2	12.5	100
PIONEER 34F97	111	C250	1,2,3,4,11	23.7	210.5**	53.5	0.3	98	26.5	201.7*	52.8	0.0	97	20.1	214.0**	54.6	0.7	99	24.5	215.8*	53.0	0.2	99
RUPP XR1791	109	C250		21.3	196.9*	55.2	2.5	89	23.7	196.7*	54.4	0.0	88	18.7	191.0	56.2	1.5	87	21.5	202.9	54.9	6.0	91
STEWART SEEDS 7T945	111	P250	1,2,3	23.0	199.9*	53.9	2.0	99	24.8	197.2*	53.9	0.1	99	19.6	203.1*	54.9	1.4	100	24.5	199.5	52.9	4.5	98
AVERAGE				22.1	201.0	54.2	2.2	97	24.9	197.4	53.6	0.1	97	18.8	198.8	55.4	1.3	98	22.7	206.9	53.6	5.3	97
HIGHEST				23.7	210.5	56.0	5.2	100	26.5	203.9	55.2	0.3	100	20.1	214.0	57.3	2.6	100	24.8	218.9	55.7	13.4	100
LOWEST				20.8	192.9	52.8	0.3	89	23.7	188.5	52.0	0.0	88	18.2	190.0	53.7	0.2	87	20.3	182.5	51.9	0.2	91
CV (%)				5.1	8.9	2.7	157.3	4.0	3.5	6.4	2.6	305.4	4.0	3.7	9.4	2.2	203.2	4.0	6.3	8.6	2.0	83.8	3.0
LSD (5%)				0.8	13.6	1.2	3.0	3.0	0.7	12.0	1.4	0.5	4.0	0.6	18.1	1.2	1.5	4.0	1.3	15.9	1.1	5.2	3.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

HERITAGE 8310GENSS	101	P250	1,2,3,4	16.0	205.1	57.5	2.2	100	--	--	--	--	14.5	197.8	56.6	3.0	99	17.4	212.4*	58.3	1.4	100
HYLAND SEEDS HLB40R	95	P250	1,2	15.7	200.3	56.9	13.2	91	--	--	--	--	14.4	211.1*	56.5	3.5	97	16.9	189.5	57.2	2.2	85
HYLAND SEEDS HLB42R	95	P250	1,2	14.8	195.6	58.7	11.1	98	--	--	--	--	14.1	195.7	59.6	4.4	97	15.5	195.5	57.8	17.8	99
HYLAND SEEDS HLCV8R68	98	P250	1,2,3	16.0	207.8	58.3	1.3	100	--	--	--	--	14.9	207.2*	58.0	0.9	100	17.1	208.3	58.5	1.7	100
HYLAND SEEDS HLR277	107			16.9	189.0	54.2	4.4	96	--	--	--	--	14.9	163.2	54.4	4.7	94	18.9	214.7*	53.9	4.1	98
INTEGRA SEED 9422 VT3	91			15.1	199.1	59.6	0.9	99	--	--	--	--	14.7	188.1	59.3	0.6	99	15.5	210.0*	59.8	1.2	98
INTEGRA SEED 9460 VT3	96			15.2	187.3	57.6	0.2	99	--	--	--	--	14.6	175.1	56.7	0.3	99	15.7	199.5	58.5	0.0	98
INTEGRA SEED 9481 VT3	97			15.5	207.1	56.6	0.7	100	--	--	--	--	14.5	201.8*	57.1	1.4	100	16.5	212.3*	56.1	0.0	100
LEGACY SEEDS L-3538VT3	95	P250	1,2,3	14.9	190.9	56.9	3.9	96	--	--	--	--	14.0	192.3	56.4	4.3	98	15.7	189.4	57.4	3.5	93
LEGACY SEEDS L-3610 VT3	96	P250	1,2,3	15.2	197.9	57.9	3.2	100	--	--	--	--	14.8	187.3	57.5	4.3	100	15.5	208.4	58.3	2.0	100
LEGACY SEEDS L-4029 VT3	100	P250	1,2,3	16.3	203.3	58.2	1.0	96	--	--	--	--	15.2	193.1	58.0	1.9	93	17.3	213.5*	58.4	0.0	99
MASTERS CHOICE MCT-480	90	P250	1	15.5	176.1	57.7	4.0	99	--	--	--	--	--	--	--	--	--	15.5	176.1	57.7	4.0	99
MYCOGEN 2H490	99	C250	1,2,3,4	16.3	196.6	56.3	11.3	98	--	--	--	--	14.3	184.4	56.8	22.6	98	18.3	208.7*	55.7	0.0	98
NK Brand N291 GT/CB/LL Brand	92	C250	1,2,3,4	15.1	205.4	56.7	14.3	98	--	--	--	--	14.4	194.9	56.0	26.2	96	15.7	215.8*	57.3	2.3	99
NK Brand N39M 3000GT Brand	99	C250	1,2,3,4	16.1	197.9	55.1	0.3	93	--	--	--	--	14.7	204.5*	54.8	0.0	92	17.4	191.3	55.3	0.6	93
NuTech 3A-100 RR	100	C250	1	16.2	193.3	56.3	3.6	98	--	--	--	--	14.1	177.3	56.3	4.7	97	18.3	209.3*	56.3	2.4	98
NuTech 3T-098 VT3	97	C250	1,2,3	15.7	206.5	57.8	1.4	98	--	--	--	--	14.7	198.1	56.5	2.2	97	16.6	214.8*	59.0	0.6	99
NuTech 3T-401 VT3	101	C250	1,2,3	16.3	194.6	58.5	2.6	99	--	--	--	--	15.3	189.0	59.4	2.0	98	17.2	200.1	57.5	3.2	99
NuTech 5N-102 GT/CB/LL/RW	101	C250	1,2,3,4	15.6	196.0	56.6	3.9	94	--	--	--	--	14.4	194.9	56.6	5.7	92	16.8	197.1	56.6	2.1	96
NuTech 5N-197 GT/CB/LL/RW	97	C250	1,2,3,4	16.1	204.0	56.6	1.3	94	--	--	--	--	14.8	203.2*	57.2	1.6	93	17.3	204.7	55.9	1.0	94
PIONEER P0125HR	101	P1250	1,2,4,11,13	16.6	212.9*	57.1	1.5	98	--	--	--	--	15.2	209.6*	57.0	0.6	96	17.9	216.2*	57.1	2.3	100
RENK RK434RR	92	P250	1	14.3	181.7	56.9	1.7	98	--	--	--	--	14.0	180.9	56.1	1.2	97	14.6	182.5	57.6	2.1	98
RENK RK501VT3	95	P250	1,2,3	14.7	204.4	57.6	1.4	99	--	--	--	--	14.3	204.9*	57.2	1.1	99	15.1	203.8	58.0	1.7	99
RENK RK559VT3P	95	P250	1,2,3	15.2	200.9	59.3	0.8	96	--	--	--	--	14.4	201.6*	59.2	0.7	96	16.0	200.2	59.4	0.9	96
RENK RK563CBLLRW	98	C250	2,3,4	15.2	186.7	54.4	1.2	97	--	--	--	--	13.9	168.9	54.2	2.0	98	16.5	204.4	54.5	0.3	95
RENK RK565GTCBLLRW	99	P250	1,2,3,4	16.0	202.1	57.0	4.1	98	--	--	--	--	14.8	210.6*	57.8	6.4	99	17.2	193.5	56.2	1.8	96
RENK RK619SSTX	101	P250	1,2,3,4	16.4	217.0*	57.4	3.5	100	--	--	--	--	15.0	212.2*	58.2	6.6	100	17.8	221.7*	56.6	0.3	99
RUPP 8XP58A	100	P250	1,2,3	16.3	204.0	58.2	1.9	95	--	--	--	--	15.1	207.3*	58.6	1.4	94	17.4	200.6	57.8	2.4	95
RUPP XR1588	100	C250		16.3	189.4	58.1	2.9	85	--	--	--	--	14.7	175.3	58.3	2.3	89	17.9	203.5	57.9	3.5	80
RUPP XR8002	94	P250	1,2,3	14.4	195.7	56.5	5.2	97	--	--	--	--	13.9	199.7*	56.2	0.9	98	14.9	191.6	56.7	9.4	96
RUPP XR8052	96	P250	1,2,3	15.4	197.2	58.5	4.0	95	--	--	--	--	14.8	193.8	57.5	4.2	89	16.0	200.5	59.5	3.7	100
RUPP XR8495	95	P250	1,2,3	15.3	194.4	57.8	1.1	98	--	--	--	--	--	--	--	--	--	15.3	194.4	57.8	1.1	98
STEWART 4T722	99		1,2,3,4	15.4	193.9	56.1	0.9	99	--	--	--	--	14.2	185.3	56.1	0.6	98	16.5	202.5	56.1	1.1	99
STEWART 5T555	101	P250	1,2,3	16.6	209.3*	57.6	5.4	99	--	--	--	--	14.9	196.4	57.2	5.0	97	18.2	222.2*	57.9	5.8	100
STEYER EXP01002 RR	100	C250	1,2,3	16.4	214.2*	58.1	2.1	97	--	--	--	--	15.2	207.5*	58.2	2.1	96	17.6	220.9*	58.0	2.1	97
AVERAGE				15.6	200.7	57.4	3.1	97					14.6	197.7*	57.2	4.0	97	16.5	204.0*	57.5	2.4	97
HIGHEST				17.7	225.0	59.9	14.3	100					16.3	222.9*	59.8	27.0	100	19.0	227.1*	60.6	22.8	100
LOWEST				14.1	173.9	54.2	0.2	85					13.9	163.2*	54.2	0.0	88	14.3	176.1*	53.9	0.0	80
CV (%)				4.6	8.2	2.7	299.7	4.0					3.2	8.8*	2.7	313.7	4.0	3.4	6.5*	2.6	189.2	4.0
LSD (5%)				0.7	16.2	1.5	9.2	4.0					0.7	24.1*	2.1	17.3	6.0	0.8	18.5*	2.1	6.2	5.0

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

-2 Year Averages Continued On Page 17.



TABLE 2L. ALLEGAN, INGHAM & SAGINAW COUNTY GRAIN TRIALS - LATE (102 Day and Later) ZONE 2

2010		LATE - TRIAL AVERAGE							ALLEGAN - LATE					INGHAM - LATE					SAGINAW - LATE				
BRAND /HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A6309STX	103	P250	1,2,3	18.9	187.0	57.1	2.7	95	17.3	166.4	56.4	4.7	93	--	--	--	--	--	20.4	207.6	57.8	0.6	97
AGRIGOLD A6323GT3	103	C250	1,2,3	17.4	196.9	57.3	3.0	93	16.1	177.2 *	58.5	5.6	97	Early Deer Damage					18.7	216.6	56.0	0.3	89
BAYSIDE 9104GT	104		1	17.3	200.1 *	56.7	3.9	99	15.8	168.3	56.6	7.8	100	--	--	--	--	--	18.8	231.9 *	56.8	0.0	98
CHANNEL 201-16VT3 Brand	105		1,2,3,4	16.5	181.2	57.6	7.8	100	15.2	151.5	57.2	10.6	100	--	--	--	--	--	17.8	210.8	57.9	4.9	100
CROPLAN 5237SS	101			18.2	192.7	56.0	1.8	96	16.4	169.4	55.4	3.2	99	--	--	--	--	--	19.9	216.0	56.6	0.3	92
DAIRYLAND STEALTH-9206Q	106	C250	1,2,3,4	18.3	188.6	56.1	6.4	99	16.3	167.1	56.9	12.5	97	--	--	--	--	--	20.3	210.1	55.3	0.3	100
DAIRYLAND STEALTH-9703Q	103	C250	1,2,3,4	18.1	196.7	55.8	1.8	96	16.1	187.1 *	56.2	3.6	97	--	--	--	--	--	20.0	206.2	55.4	0.0	95
DEKALB DKC52-59 (VT3)	102	P250	1,2,3	16.7	201.5 *	56.3	5.2	98	15.3	174.9	56.7	9.1	96	--	--	--	--	--	18.1	228.0 *	55.8	1.2	99
DEKALB DKC54-16 (VT3)	104	P250	1,2,3	17.6	200.0 *	56.8	4.6	100	15.7	170.9	57.8	8.1	99	--	--	--	--	--	19.5	229.1 *	55.7	1.1	100
DEKALB DKC54-49 (VT3)	104	P250	1,2,3	16.0	173.6	58.7	8.8	99	15.2	145.6	58.6	15.5	100	--	--	--	--	--	16.8	201.5	58.8	2.0	98
DEKALB DKC57-50 (VT3)	107	P250	1,2,3	18.8	208.9 *	54.9	1.3	99	16.5	191.2 *	55.6	2.3	99	--	--	--	--	--	20.0	226.5 *	54.2	0.3	99
DEKALB DKC58-83 (GENT3P)	108			18.6	204.7 *	58.2	3.5	100	16.8	183.0 *	58.6	6.4	99	--	--	--	--	--	21.3	226.4 *	57.7	0.6	100
DEKALB DKC59-35 (VT3)	109	P250	1,2,3	20.5	212.1 **	55.7	4.4	97	17.4	198.5 **	57.3	8.5	98	--	--	--	--	--	23.6	225.7 *	54.0	0.3	95
DEKALB DKC59-64 (VT3)	109	P250	1,2,3	19.3	200.3 *	55.9	6.2	97	16.4	177.8 *	56.8	7.3	98	--	--	--	--	--	22.2	222.8 *	54.9	5.0	95
DEKALB DKC60-51 (VT3)	110	P250	1,2,3	19.7	204.3 *	56.4	0.5	94	17.5	185.5 *	57.1	0.9	96	--	--	--	--	--	21.8	223.0 *	55.6	0.0	91
DYNAMRO D44SS49	104	C250	1,2,3,4	18.1	205.2 *	57.1	5.7	99	16.3	180.3 *	57.5	9.7	98	--	--	--	--	--	19.8	230.1 *	56.6	1.7	99
G2 GENETICS 5H-005 RR/HX	105	C250	1,2,4	20.2	206.3 *	53.5	2.2	98	17.9	186.1 *	54.9	3.4	100	--	--	--	--	--	22.5	226.4 *	52.1	0.9	95
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	18.8	202.6 *	56.7	2.8	86	16.8	176.8	59.4	5.5	90	--	--	--	--	--	20.7	228.4 *	54.0	0.0	82
G2 GENETICS 5H-608 RR/HX	107	C250	1,2,4	19.3	212.0 *	55.3	3.6	97	17.4	184.2 *	56.3	5.9	96	--	--	--	--	--	21.2	239.8 **	54.2	1.2	97
G2 GENETICS 5H-905 RR/HX	105	C250	1,2,4	17.8	204.2 *	54.7	3.2	98	16.0	185.2 *	55.2	3.7	96	--	--	--	--	--	19.6	223.1 *	54.1	2.6	100
G2 GENETICS 5X-007 RR/HXT	107	C250	1,2,3,4	17.7	196.2	57.9	2.1	98	16.3	178.8 *	57.4	3.2	100	--	--	--	--	--	19.1	213.5	58.4	0.9	96
G2 GENETICS 5X-007A RR/HXT	107	C250	1,2,3,4	17.8	194.6	57.1	2.7	95	16.6	171.2	58.1	5.4	96	--	--	--	--	--	19.0	217.9	56.1	0.0	94
G2 GENETICS 5X-905 RR/HXT	105	C250	1,2,3,4	18.9	199.0 *	54.6	2.8	97	16.9	167.7	55.7	5.5	95	--	--	--	--	--	20.8	230.2 *	53.5	0.0	98
GARST 86J49-3000GT Brand	103	C250	1,2,3,4	17.1	187.3	56.1	6.7	96	15.7	171.0	56.3	9.6	96	--	--	--	--	--	18.4	203.6	55.8	3.8	96
GOLDEN HARVEST H-8211 3000GT Brand	105	C250	1,2,3,4	17.5	199.2 *	56.4	2.7	94	16.1	179.1 *	57.5	5.1	96	--	--	--	--	--	18.9	219.2 *	55.2	0.3	91
GREAT LAKES 5211GS	102	P250	1,2,3,4	18.3	203.0 *	56.4	4.5	84	16.4	180.0 *	56.9	8.3	74	--	--	--	--	--	20.1	226.0 *	55.9	0.7	94
HERITAGE 4294VT3	102	P250	1,2,3	17.0	187.2	58.6	15.2	99	15.6	156.4	57.7	27.7	99	--	--	--	--	--	18.4	217.9	59.5	2.6	99
HERITAGE 8222GENT3P	102	P250	1,2,3	17.1	168.2	56.6	10.7	96	16.7	135.7	57.3	18.2	91	--	--	--	--	--	18.5	200.7	55.8	3.2	100
HERITAGE 8390GENSS	104	P250	1,2,3,4	17.7	190.6	55.9	2.8	97	16.3	168.7	55.4	4.4	95	--	--	--	--	--	19.0	212.5	56.4	1.2	99
HYLAND SEEDS HLB77R	108	P250	1,2	19.1	197.9 *	54.3	10.7	98	16.7	173.9	54.2	20.1	100	--	--	--	--	--	21.4	221.9 *	54.4	1.2	96
INTEGRA SEED 9532 SS	104			18.0	190.5	57.2	5.4	97	16.3	173.0	57.7	8.6	98	--	--	--	--	--	19.7	208.0	56.6	2.2	96
LEGACY SEEDS L-4409 3000GT	102	C250	1,2,3,4	17.7	183.9	54.3	4.0	98	16.5	175.5	55.0	6.8	98	--	--	--	--	--	18.8	192.2	53.6	1.2	97
LEGACY SEEDS L-5309 3000GT	106	C250	1,2,3,4	18.6	205.5 *	53.8	2.5	98	16.5	185.4 *	54.5	4.6	98	--	--	--	--	--	20.6	225.5 *	53.1	0.3	98
LEGACY SEEDS L-5350 3000GT	104	C250	1,2,3,4	17.3	211.4 *	57.0	3.3	98	16.0	191.7 *	57.6	6.0	100	--	--	--	--	--	18.6	231.1 *	56.4	0.6	95
MYCOGEN 2H523	103	C250	1,2,3,4	18.6	197.6 *	57.0	5.2	100	16.2	188.4 *	57.9	9.8	100	--	--	--	--	--	20.9	206.7	56.0	0.6	99
NK Brand N49J 3000GT Brand	103		1,2,3,4	17.0	205.1 *	56.1	8.7	100	15.8	179.5 *	56.2	14.1	100	--	--	--	--	--	18.2	230.7 *	56.0	3.2	99
NK Brand N61P 3000GT Brand	105	C250	1,2,3,4	19.6	205.3 *	54.5	2.5	100	17.1	188.6 *	56.2	5.0	99	--	--	--	--	--	22.0	221.9 *	52.7	0.0	100
NuTech 2A-804	104	C250	5	17.3	185.5	57.3	1.3	92	16.1	159.0	58.2	1.2	94	--	--	--	--	--	18.4	211.9	56.3	1.3	89
NuTech 3A-406 GT	106	C250	1	18.7	190.9	54.6	2.8	97	17.1	170.6	54.6	1.4	100	--	--	--	--	--	20.3	211.1	54.5	4.1	93
NuTech 5N-705 GT/CB/LL/RW	105	C250	1,2,3,4	18.4	183.7	55.9	1.6	96	16.9	153.7	56.5	3.2	93	--	--	--	--	--	19.8	213.6	55.2	0.0	99
NuTech 5N-803 GT/CB/LL/RW	103	C250	1,2,3,4	16.9	192.3	56.1	15.0	98	15.6	158.6	56.3	20.4	99	--	--	--	--	--	18.1	225.9 *	55.9	9.5	96
NuTech 5N-804 GT/CB/LL/RW	104	C250	1,2,3,4	17.4	201.1 *	56.7	1.2	100	16.0	178.0 *	57.1	2.3	100	--	--	--	--	--	18.8	224.2 *	56.2	0.0	99
PIONEER 35F50	105	P1250	1,2,4,11,12	18.6	208.3 *	57.3	2.2	99	17.5	183.0 *	58.0	3.8	98	--	--	--	--	--	19.7	233.5 *	56.6	0.6	100
PIONEER 36V53	102	P1250	1,2,4	17.1	184.4	56.4	2.4	90	15.9	151.2	56.7	4.7	93	--	--	--	--	--	18.3	217.5	56.1	0.0	87
PIONEER P0413XR	104	C250	1,2,3,4	18.2	194.6	58.7	2.3	95	16.9	175.6	59.0	4.6	95	--	--	--	--	--	19.5	213.6	58.4	0.0	95

RENK RK694GTGBLLRW	104	C250	1,2,3,4	17.6	197.9*	57.6	2.2	100	16.4	185.4*	57.8	4.0	100	--	--	--	--	18.8	210.3	57.4	0.3	99
RENK RK698VT3	103	P250	1,2,3	17.1	191.6	57.7	3.8	99	15.9	175.5	57.3	6.6	100	--	--	--	--	18.3	207.7	58.1	0.9	98
RUPP 8XP57A	102	P250	1,2,3	17.3	196.7	56.5	3.8	100	15.6	168.9	56.1	1.2	99	--	--	--	--	19.0	224.5*	56.8	6.3	100
STEWART 5A988	104	C250	1,2,3,4	17.5	190.9	55.5	4.9	98	15.8	169.0	55.0	7.5	96	--	--	--	--	19.2	222.8*	55.9	2.3	100
STEWART 61725	106	C250	1,2,3,4	19.1	199.3*	55.5	3.8	96	17.4	179.9*	56.0	7.3	94	--	--	--	--	20.8	218.7	55.0	0.3	98
STEYER 10201 GT	103	C250	1,2,3,4	17.4	173.7	57.6	7.1	97	15.9	145.0	57.5	10.6	96	--	--	--	--	18.8	202.4	57.6	3.5	98
STEYER 10401 VT3	104	C250	1,2,3	16.8	193.4	56.0	4.1	98	15.3	174.6	55.8	5.3	98	--	--	--	--	18.3	212.1	56.1	2.9	98
AVERAGE				18.0	195.9	56.3	4.4	97	16.3	173.3	56.8	7.3	97					19.6	218.4	55.9	1.5	97
HIGHEST				20.5	212.1	58.7	15.2	100	17.9	198.5	59.4	27.7	100					23.6	239.8	59.5	9.5	100
LOWEST				16.0	168.2	53.5	0.5	84	15.2	135.7	54.2	0.9	74					16.8	192.2	52.1	0.0	82
CV (%)				4.1	7.7	2.3	121.0	6.0	3.5	8.9	2.3	92.7	7.0					4.4	6.7	2.3	220.6	5.0
LSD (5%)				0.7	14.8	1.3	5.2	6.0	0.8	21.5	1.8	9.5	9.0					1.2	20.6	1.8	4.5	6.0

2 Year Averages 2010 - 2009																						
BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE					ALLEGAN - LATE					INGHAM - LATE					SAGINAW - LATE			
				%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL
DAIRYLAND STEALTH-9206Q	106	C250	1,2,3,4	23.6	189.6	53.9	3.7	98	21.7	187.5	54.5	6.4	97	--	--	--	--	25.4	191.6	53.3	0.9	99
DEKALB DKC52-59 (VT3)	102	P250	1,2,3	20.6	204.5*	54.6	3.3	96	19.6	201.7*	54.8	5.2	97	--	--	--	--	21.5	207.3*	54.3	1.3	95
DEKALB DKC54-16 (VT3)	104	P250	1,2,3	22.6	207.3*	54.4	3.2	99	20.9	204.1*	55.0	5.1	99	--	--	--	--	24.3	210.4*	53.8	1.2	98
DYNAGRO D44SS49	104	C250	1,2,3,4	23.4	209.2*	54.5	3.4	98	22.3	207.7*	54.7	5.8	97	--	--	--	--	24.4	210.7**	54.2	0.9	98
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	24.1	204.5*	54.1	1.8	88	23.1	200.5	55.5	3.1	90	--	--	--	--	25.1	208.4*	52.7	0.4	85
G2 GENETICS 5H-905 RR/HX	105	C250	1,2,4	23.1	208.8*	53.2	1.8	97	22.3	207.9*	53.4	2.2	96	--	--	--	--	23.9	209.7*	52.9	1.4	97
PIONEER 35F40	105	P1250	1,2,4,11,12	23.6	212.0**	54.6	1.5	99	22.0	215.4**	55.0	2.2	99	--	--	--	--	25.1	208.6*	54.1	0.8	99
PIONEER 36V53	102	P1250	1,2,4	21.4	195.3	54.5	1.5	94	19.9	192.5	54.8	2.9	96	--	--	--	--	22.8	198.1*	54.1	0.0	92
RENK RK698VT3	103	P250	1,2,3	20.9	207.0*	55.2	2.3	99	20.1	209.0*	55.1	3.8	99	--	--	--	--	21.7	205.0*	55.3	0.8	98
AVERAGE				22.6	204.2	54.3	2.5	96	21.3	202.9	54.7	4.1	97					23.8	205.5	53.8	0.8	96
HIGHEST				24.1	212.0	55.2	3.7	99	23.1	215.4	55.5	6.4	99					25.4	210.7	55.3	1.4	99
LOWEST				20.6	189.6	53.2	1.5	88	19.6	187.5	53.4	2.2	90					21.5	191.6	52.7	0.0	85
CV (%)				6.2	7.7	1.9	115.2	5.0	6.0	8.2	1.7	79.1	5.0					7.7	7.3	1.7	181.6	4.0
LSD (5%)				1.0	12.9	0.9	3.8	4.0	1.1	14.6	0.9	5.0	5.0					1.6	15.4	1.0	2.4	4.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 1E - Continued from page 9. BRANCH, CASS & WASHTENAW COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier) ZONE1

2 Year Averages 2010 - 2009		EARLY - TRIAL AVERAGE			BRANCH - EARLY			CASS - EARLY			WASHTENAW - EARLY												
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
BECK 5354HRTM*	107		1,2,3,4	22.4	210.5**	54.4	1.2	99	25.3	193.8*	53.4	0.0	99	19.1	228.2**	55.4	0.5	100	22.7	209.6*	54.3	3.1	99
DAIRYLAND STEALTH-9206Q	106	C250	1,2,3,4	20.8	200.0*	53.9	2.9	98	23.0	190.2*	53.6	0.3	97	17.7	199.0*	54.4	1.2	98	21.0	209.9*	53.6	7.2	98
DEKALB DKC52-59 (VT3)	102	P250	1,2,3	18.3	203.1*	54.2	3.2	99	20.0	193.7*	53.2	0.0	100	16.8	207.0*	54.9	0.7	99	18.2	208.6*	54.4	8.9	99
DEKALB DKC54-16 (VT3)	104	P250	1,2,3	20.0	195.3	53.9	2.9	99	22.2	185.4	54.8	0.0	100	17.9	203.8	52.8	1.4	99	19.8	196.8	54.1	7.4	98
DEKALB DKC57-50 (VT3)	107	P250	1,2,3	22.4	196.4	53.0	0.9	97	25.6	195.5*	52.1	0.0	98	19.4	200.0	53.9	0.9	97	22.1	193.8	53.1	1.7	97
DYNAGRO D44SS49	104	C250	1,2,3,4	20.5	205.1*	54.6	1.8	98	23.2	193.3*	53.4	0.3	97	17.8	212.3*	56.0	1.9	100	20.4	209.7*	54.4	3.1	97
G2 GENETICS 1H-005 HX/LL	105	C250	2,4	20.8	196.0	54.2	2.4	99	23.4	191.7	54.2	0.0	99	17.7	200.5	54.9	1.9	99	21.3	195.7	53.4	5.2	98
G2 GENETICS 5H-005 RR/HX	105	C250	1,2,4	21.5	196.6	52.7	1.1	100	24.4	193.0*	52.0	0.0	100	18.0	188.8	53.2	0.5	99	22.0	208.0*	53.0	2.8	100
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	20.8	206.0*	54.1	2.2	90	23.1	202.9*	53.3	0.2	92	18.0	207.7	55.4	2.8	90	21.3	207.3*	53.7	3.7	88
G2 GENETICS 5X-905 RR/HXT	105	C250	1,2,3,4	21.3	207.0*	54.2	0.9	98	23.7	197.4*	53.5	0.0	98	18.2	213.8*	55.7	0.4	98	21.9	209.9*	53.5	2.2	97
NuTech 3A-804 GT	104	C250	1	20.0	201.8*	54.0	1.9	97	22.6	194.7*	52.7	0.6	99	17.5	204.4	54.7	0.4	96	19.8	206.4*	54.7	4.7	95
PIONEER 35F40	105	P1250	1,2,4,11,12	21.1	209.2*	55.0	1.4	99	23.5	200.8*	53.6	0.0	100	18.1	217.9*	56.2	0.8	100	21.6	208.9*	55.2	3.3	96
PIONEER 35K04	106	C250	1,2,3,4,11,12	20.7	197.8*	55.8	1.3	97	23.2	184.4	54.6	0.2	96	18.5	208.2	56.3	0.4	96	20.5	200.9	56.4	3.2	98
RENK RK744VT3	107	P250	1,2	21.0	203.8*	53.5	3.2	97	23.7	193.2*	53.7	0.2	95	18.3	197.3	52.5	1.3	99	21.0	220.9**	54.2	8.0	98
RUPP XR8073	107	P250	1,2,3	20.3	203.5*	54.6	3.7	97	23.3	204.7**	54.1	0.0	97	17.8	207.5	55.2	0.8	95	19.8	198.4	54.5	10.4	98
WELLMAN W2007VT3	107		1,2,3	20.7	205.5*	54.4	3.5	97	23.3	194.3*	54.1	0.2	95	18.1	213.1*	55.0	1.0	97	20.8	209.1*	54.1	9.4	99
WELLMAN W2706	106			20.2	200.9*	54.9	1.2	98	23.3	196.3*	53.1	0.3	98	17.4	195.7	55.3	0.9	98	19.8	210.6*	56.2	2.4	97
AVERAGE				20.8	202.3	54.2	2.1	98	23.4	194.4	53.5	0.1	98	18.0	206.3	54.8	1.1	98	20.8	206.2	54.3	5.1	97
HIGHEST				22.4	210.5	55.8	3.7	100	25.6	204.7	54.8	0.6	100	19.4	228.2	56.3	2.8	100	22.7	220.9	56.4	10.4	100
LOWEST				18.3	195.3	52.7	0.9	90	20.0	184.4	52.0	0.0	92	16.8	188.8	52.5	0.4	90	18.2	193.8	53.0	1.7	88
CV (%)				5.5	8.4	3.9	185.2	4.0	6.1	6.7	2.4	289.9	3.0	4.5	8.3	2.6	193.3	4.0	6.3	8.6	2.0	103.0	5.0
LSD (5%)				0.8	12.9	1.7	3.8	3.0	1.1	12.3	1.3	1.0	3.0	0.7	16.2	1.4	1.8	4.0	1.2	15.8	1.1	6.4	5.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 2E - Continued from page 13. ALLEGAN, INGHAM & SAGINAW COUNTY GRAIN TRIALS - EARLY (101 Day and Earlier) ZONE 2

2 Year Averages 2010 - 2009		EARLY - TRIAL AVERAGE				ALLEGAN - EARLY				INGHAM - EARLY				SAGINAW - EARLY									
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd					
CHANNEL 199-55VT3 Brand	97		1,2,3,4	20.1	211.6 *	55.0	0.5	99	--	--	--	--	--	19.9	225.1 *	55.6	0.7	100	20.2	198.1 *	54.4	0.3	98
DAIRYLAND STEALTH-9799	99	C250	1,2,3	19.6	210.5 *	54.9	0.2	98	--	--	--	--	--	19.7	211.7 *	54.1	0.0	98	19.5	209.3 **	55.6	0.3	98
DEKALB DKC42-72 (VT3)	92	P250	1,2,3	18.4	199.9	55.4	1.1	98	--	--	--	--	--	18.7	196.3	54.7	2.2	98	18.1	203.5 *	56.1	0.0	98
DEKALB DKC48-37 (VT3)	98	P250	1,2,3	19.1	203.7 *	56.0	1.1	97	--	--	--	--	--	19.1	208.8	55.4	1.1	97	19.1	198.5 *	56.6	1.1	96
DEKALB DKC50-35 (VT3)	100	P250	1,2,3	20.4	209.0 *	54.7	7.1	97	--	--	--	--	--	19.7	218.1 *	54.2	13.5	98	21.0	199.8 *	55.2	0.6	96
DEKALB DKC50-66 (VT3)	100	P250	1,2,3	19.4	202.6	54.8	0.7	98	--	--	--	--	--	19.3	216.7 *	54.6	0.8	98	19.5	188.4	55.0	0.5	97
DYNAGRO 54V78	96		1,2,3	18.2	201.2	55.0	1.4	99	--	--	--	--	--	17.9	205.0	54.4	1.1	98	18.4	197.3 *	55.5	1.6	99
DYNAGRO V3883VT3	98		1,2,3	20.1	207.8 *	55.1	0.7	98	--	--	--	--	--	20.0	217.1 *	54.2	0.6	99	20.2	198.4 *	56.0	0.7	97
G2 GENETICS 5H-700B RR/HX	100	C250	1,2,4	20.7	210.8 *	54.0	6.3	97	--	--	--	--	--	20.0	214.5 *	52.9	11.8	99	21.3	207.0 *	55.0	0.7	94
G2 GENETICS 5H-702 RR/HX	101	C250	1,2,4	21.9	217.4 **	54.2	1.4	96	--	--	--	--	--	21.2	226.2 **	54.3	1.4	97	22.5	208.5 *	54.0	1.4	95
G2 GENETICS 5H-999 RR/HX	97	C250	1,2,4	20.2	201.5	54.8	2.1	97	--	--	--	--	--	19.4	211.1 *	54.4	1.2	98	21.0	191.8	55.1	2.9	95
HYLAND SEEDS HLCVR68	98	P250	1,2,3	20.0	207.8 *	55.4	1.1	99	--	--	--	--	--	19.8	213.4 *	54.9	0.9	99	20.1	202.1 *	55.9	1.3	99
LEGACY SEEDS L-3538VT3	95	P250	1,2,3	19.4	196.9	54.8	2.5	94	--	--	--	--	--	18.8	206.5	54.3	2.5	97	19.9	187.3	55.2	2.4	91
NuTech 3T-098 VT3	97	C250	1,2,3	19.9	208.0 *	55.0	1.0	97	--	--	--	--	--	19.9	214.6 *	54.0	1.1	98	19.9	201.4 *	55.9	0.8	95
RUPP 8XP58A	100	P250	1,2,3	20.3	198.2	55.2	1.1	97	--	--	--	--	--	20.3	210.7 *	54.9	0.9	97	20.3	185.7	55.4	1.2	96
RUPP XR1588	100	C250		20.6	200.2	55.2	1.6	91	--	--	--	--	--	19.8	206.3	55.0	1.2	93	21.3	194.1	55.4	1.9	89
RUPP XR8002	94	P250	1,2,3	17.8	202.3	55.1	2.9	96	--	--	--	--	--	18.0	207.8	54.4	0.9	99	17.5	196.8 *	55.7	4.8	93
AVERAGE				19.8	205.3	55.0	1.9	97						19.5	212.3	54.5	2.5	98	20.0	198.1	55.4	1.3	96
HIGHEST				21.9	217.4	56.0	7.1	99						21.2	226.2	55.6	13.5	100	22.5	209.3	56.6	4.8	99
LOWEST				17.8	196.9	54.0	0.2	91						17.9	196.3	52.9	0.0	93	17.5	185.7	54.0	0.0	89
CV (%)				5.9	8.2	2.3	277.0	4.0						7.5	8.6	2.0	263.8	4.0	6.0	7.4	2.0	158.0	4.0
LSD (5%)				0.8	14.1	1.1	6.6	3.0						1.2	17.1	1.1	8.7	3.0	1.1	14.7	1.1	3.2	4.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

LEGACY SEEDS L-3610 VT3	96	P250	1,2,3	16.2	206.6	57.0	3.3	99	15.3	182.7*	56.2	0.9	98	16.9	240.5	57.7	2.3	100	16.3	196.5	57.0	6.6	100
NK Brand N29T GT/CB/LL Brand	92	C250	1,2,3,4	15.8	210.3	55.3	11.1	98	15.4	193.5*	56.3	2.3	94	15.8	241.4	55.8	3.7	100	16.3	195.9	53.8	27.4	100
NK Brand N33R GT/CB/LL Brand	94			15.6	206.7	56.3	4.0	95	15.2	170.0	57.7	2.5	87	15.7	251.5*	57.0	0.0	100	15.9	198.5	54.2	9.5	99
NK Brand N34N 3000GT Brand	95		1,2,3,4	16.3	209.0	55.4	5.9	99	15.5	177.5*	55.2	1.7	96	16.8	238.2	56.4	1.2	100	16.7	211.3*	54.7	14.9	100
NuTech 0A-693	93	C250		15.9	190.3	55.5	12.6	97	15.2	158.9	55.9	3.8	91	16.5	229.5	56.2	1.1	100	16.0	182.6	54.4	32.8	100
NuTech 3C-889 RR/VGCB	89	P250	1,2	15.7	205.6	57.1	8.1	97	15.4	191.3*	58.0	0.9	92	15.8	227.7	57.6	0.0	100	15.9	197.9	55.8	23.5	99
NuTech 3T-098 VT3	97	C250	1,2,3	16.5	208.5	55.8	6.4	98	15.4	178.0*	54.6	5.5	95	17.1	247.6*	57.6	1.4	100	17.0	199.8	55.2	12.4	100
NuTech 3T-294 VT3	94	P250	1,2,3	16.1	203.7	58.7	15.5	99	15.5	172.9*	57.6	8.2	99	16.8	239.4	60.8	0.3	99	16.0	198.7	57.8	38.0	100
NuTech 3T-393 VT3	93	C250	1,2,3	15.7	200.8	56.1	8.7	94	15.0	163.2	56.1	2.9	84	15.9	234.2	58.0	0.6	99	16.1	204.9	54.3	22.5	99
NuTech 5N-197 GT/CB/LL/RW	97	C250	1,2,3,4	17.1	210.7	55.8	11.2	96	16.5	180.6*	55.5	1.9	93	18.0	249.7*	55.9	3.0	98	16.9	201.7	55.9	28.7	98
NuTech 5N-197A GT/CB/LL/RW	97	C250	1,2,3,4	16.9	210.9*	55.7	13.7	97	16.3	180.5*	55.4	2.7	93	17.7	246.2*	55.7	1.4	99	16.7	206.0*	56.0	36.9	98
NuTech 5N-593 GT/CB/LL/RW	93	C250	1,2,3,4	16.0	204.4	56.4	12.7	97	15.7	189.3*	59.3	2.1	92	15.9	234.7	56.9	1.4	99	16.4	189.1	53.1	34.5	100
NuTech 5N-695 GT/CB/LL/RW	95	C250	1,2,3,4	16.1	183.6	56.5	13.0	92	15.7	147.4	58.6	7.0	80	16.7	225.6	56.7	5.5	98	15.9	177.8	54.3	26.6	99
PIONEER 38N88	92	P1250	1,2,4,11,12	15.9	194.4	57.8	1.0	99	15.0	167.5	56.5	2.0	97	16.7	221.2	59.0	0.0	100	--	--	--	--	--
RENK RK302GTCBLL	89	C250	1,2,4	15.7	197.5	55.3	8.1	97	15.2	180.6*	55.4	6.3	91	16.0	238.1	55.5	3.2	100	15.9	173.7	54.9	14.7	100
RENK RK334RR	89	P250	1	15.7	195.5	55.2	8.3	98	14.9	169.0	55.1	3.7	95	16.0	228.0	56.6	0.3	100	16.2	189.5	54.0	21.0	100
RENK RK434RR	92	P250	1	15.3	193.6	54.7	8.4	99	14.7	180.3*	54.1	4.4	97	15.7	229.7	55.1	0.9	100	15.6	170.8	54.8	19.9	100
RENK RK501VT3	95	P250	1,2,3	15.8	203.1	56.5	6.4	97	15.5	177.5*	56.4	3.0	90	16.2	237.2	58.3	0.6	100	15.8	194.6	54.8	15.6	100
RENK RK559VT3P	95	P250	1,2,3	16.1	206.8	57.0	4.1	97	15.5	176.6*	57.4	1.8	90	16.9	245.0*	57.9	0.0	100	16.0	198.9	55.7	10.6	100
RENK RK570VT3	95	P250	1,2,3	15.4	196.3	55.2	10.2	98	14.8	170.9	54.2	3.0	94	15.8	223.7	56.8	1.1	100	15.7	194.3	54.7	26.5	100
RUPP 8XP67	92	P250	1	15.7	210.1	56.1	11.9	99	15.2	175.4*	57.4	1.2	96	16.0	234.9	55.7	0.0	100	15.8	220.1*	55.3	34.5	100
RUPP XR8002	94	P250	1,2,3	15.7	200.3	55.1	11.0	96	15.2	167.0	55.2	4.9	89	15.9	236.8	55.3	2.6	100	16.0	197.1	54.9	25.6	100
RUPP XR8052	96	P250	1,2,3	16.7	196.4	56.7	6.7	97	15.7	167.9	56.1	1.0	92	17.5	234.2	57.9	1.2	100	16.9	187.2	56.1	17.9	99
RUPP XR8495	95	P250	1,2,3	15.9	204.9	57.2	11.9	100	15.4	196.3*	57.2	5.4	99	16.6	227.7	59.3	0.0	100	15.8	190.7	55.0	30.2	100
STEYER 8701 3000GT	87	C250	1,2,3,4	15.7	188.3	56.0	2.8	99	14.9	161.9	55.2	4.6	97	16.4	214.6	56.7	0.9	100	--	--	--	--	--
STEYER 9005 3000GT	90	C250	1,2,3,4	16.4	202.6	56.3	8.1	95	15.9	174.8*	56.4	2.2	86	16.9	239.0	57.3	0.6	100	16.3	193.9	55.1	21.4	99
STEYER 9501 3000GT	95	C250	1,2,3,4	15.9	191.4	55.2	8.9	95	15.5	163.4	56.0	0.7	85	16.0	228.0	56.5	0.6	100	16.3	182.8	53.2	25.3	100
AVERAGE				16.0	201.3	56.0	9.6	97	15.4	175.7	55.9	3.7	93	16.6	235.3	56.9	1.2	100	16.1	192.7	55.1	25.2	100
HIGHEST				17.1	225.1	58.7	34.2	100	17.2	198.7	59.3	23.5	100	18.2	256.3	60.8	5.5	100	17.8	230.0	57.8	85.7	100
LOWEST				15.3	181.3	54.1	0.6	92	14.6	147.4	51.6	0.3	80	15.5	207.6	54.5	0.0	96	15.2	158.8	53.1	2.0	95
CV (%)				3.4	8.9	3.2	132.6	4.0	2.6	10.9	4.1	132.3	6.0	2.5	4.4	2.4	165.0	1.0	3.5	9.1	2.3	80.7	1.0
LSD (5%)				0.4	14.3	1.4	10.7	3.0	0.6	26.8	3.2	6.9	8.0	0.6	14.4	1.9	2.7	2.0	0.8	24.4	1.8	28.4	2.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

-2 Year Averages Continued On Page 21.

		2 Year Averages 2010 - 2009															
		LATE - TRIAL AVERAGE				HURON - EARLY				MASON - LATE				MONTCALM - EARLY			
RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
98	C250	2,3,4	16.5	204.1	53.5	10.4	95	15.6	174.5*	53.9	4.4	85	17.3	243.3	53.8	0.6	100
99	P250	1,2,3,4	17.3	187.8	55.0	27.3	95	16.9	142.6	54.9	6.3	85	17.7	240.5	56.3	0.9	100
100	C250	1,2,3	17.3	212.1	57.3	15.0	97	15.8	180.7*	56.4	3.8	90	18.4	245.1	57.0	0.0	100
AVERAGE			17.6	207.6	55.8	11.6	97	16.7	175.2	55.9	4.3	92	18.4	244.9	56.1	0.9	99
HIGHEST			19.7	230.4	58.5	31.0	100	18.3	201.8	58.6	32.2	100	21.0	273.3	59.9	5.7	100
LOWEST			16.1	184.8	52.4	2.1	92	15.5	113.8	53.1	0.0	82	16.2	225.9	52.4	0.0	96
CV (%)			3.1	85	2.8	114.0	5.0	3.6	12.4	2.7	118.8	8.0	2.4	4.5	2.6	213.1	2.0
LSD (5%)			0.4	14.2	1.3	10.6	4.0	0.9	30.4	2.1	7.1	10.0	0.6	15.5	2.0	2.8	2.0

2 Year Averages 2010 - 2009

		2 Year Averages 2010 - 2009															
		EARLY - TRIAL AVERAGE				HURON - EARLY				MASON - EARLY				MONTCALM - EARLY			
RM	TRT	TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd
92	C250	1,2	20.3	193.5*	54.1	5.8	97	19.3	184.4*	54.5	1.8	97	21.2	212.5	53.8	0.3	100
96	C250	1,2,3	21.9	181.4	54.2	5.4	97	20.7	172.0	53.9	3.5	92	23.1	207.2	54.9	1.1	100
92	P250	1,2,3	20.6	185.5	54.1	1.9	98	19.9	187.2*	54.3	1.9	96	21.3	208.7	54.1	0.3	99
96	C250	1,2,3	20.3	191.2*	53.7	6.8	99	19.6	183.6*	53.8	8.3	97	21.0	215.3	53.9	0.9	100
92	C250	1	20.2	189.1*	54.9	5.7	98	19.5	181.7*	54.1	2.3	95	21.1	215.7	55.8	0.3	100
97	C250	1,2,4	22.5	199.9**	53.6	4.7	95	22.1	193.6*	54.2	1.4	91	24.3	226.5**	53.2	0.4	99
97	C250	1,2,4	22.6	191.7*	53.2	1.4	95	21.7	178.3	53.3	0.9	91	25.1	210.3	53.0	0.2	98
97	C250	1,2,4	22.7	195.8*	54.0	7.4	96	22.2	196.5**	54.0	4.6	91	24.0	223.4*	54.5	0.1	99
94	P250	1,2,3	20.9	186.0	54.6	8.7	95	21.1	182.6*	54.7	2.2	88	21.9	218.0*	54.6	1.3	99
95	P250	1,2,3	21.6	184.0	53.1	2.4	99	20.7	169.9	53.0	2.5	96	24.0	210.0	52.9	0.3	100
95	P250	1,2,3	22.5	185.0	53.4	7.7	96	22.0	169.9	53.4	2.8	93	22.8	214.3	53.9	1.3	98
97	C250	1,2,3	23.2	184.1	53.6	4.1	98	22.8	176.5	52.9	3.6	95	25.4	214.6	54.2	1.1	98
93	C250	1,2,3	21.0	187.0*	54.2	5.3	91	19.3	172.4	54.5	3.3	91	22.9	209.2	54.7	0.5	98
92	P1250	1,2,4,11,12	21.2	189.5*	55.0	1.2	95	19.6	175.5	54.6	2.4	93	22.7	203.4	55.3	0.0	96
95	P250	1,2,3	22.1	188.5*	54.0	4.5	96	22.4	181.6*	53.9	3.6	91	22.7	213.5	54.9	0.6	99
95	P250	1,2,3	20.7	185.0	53.7	6.2	96	19.5	172.3	53.5	3.9	91	21.1	210.4	54.4	0.6	100
AVERAGE			21.5	188.6	54.0	5.0	97	20.8	179.9	53.9	3.0	93	22.8	213.3	54.2	0.6	99
HIGHEST			23.2	199.9	55.0	8.7	99	22.8	196.5	54.7	8.3	97	25.4	226.5	55.8	1.3	100
LOWEST			20.2	181.4	53.1	1.2	95	19.3	169.9	52.9	0.9	88	21.0	203.4	52.9	0.0	96
CV (%)			5.5	8.5	2.8	135.7	4.0	7.7	9.3	3.0	108.8	6.0	6.2	4.6	1.8	154.0	3.0
LSD (5%)			0.8	13.4	1.3	9.3	3.0	1.3	16.1	1.6	3.8	6.0	1.2	10.4	1.0	1.5	3.0

2 Year Averages 2010 - 2009

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

2 Year Averages 2010 - 2009

BRAND / HYBRID	RM	TRT	TRAIT	TRIAL AVERAGE			GRAND TRAVERSE			MENOMINEE - LATE			OGEMAW										
				%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
DAIRYLAND STEALTH-9789	89	C250	1,2,3	27.6	180.6 *	51.3	4.8	99	32.2	189.9 *	50.7	4.1	99	25.5	162.7	51.3	7.7	98	25.0	189.2 *	51.9	2.7	99
DEKALB DKC36-34 (VT3)	86	P250	1,2,3	23.9	171.2	52.7	5.1	99	28.5	174.9	52.1	1.7	99	20.5	170.6 *	53.4	12.6	97	22.6	168.2	52.5	1.1	100
DEKALB DKC38-89 (VT3)	88	P250	1,2,3	26.4	179.8 *	51.1	1.6	97	31.6	181.9 *	50.5	0.7	97	22.6	169.1 *	51.7	2.6	96	25.0	188.3 *	51.2	1.6	97
DEKALB DKC42-72 (VT3)	92	P250	1,2,3	26.8	189.6 **	51.3	3.2	99	32.7	193.5 **	50.7	3.1	99	22.4	179.2 **	51.9	4.4	98	25.4	196.0 **	51.2	2.0	100
DYNAGRO 52V01	87	C250	1,2,3	24.7	175.6	51.7	9.3	97	29.9	179.3	51.3	3.2	96	21.0	171.6 *	52.0	23.4	98	23.2	175.8	51.7	1.2	97
DYNAGRO D32RR29	92	C250	1	26.2	176.6	51.1	5.8	98	30.7	183.1 *	50.4	1.9	98	23.0	166.8	51.5	13.5	97	24.9	179.8	51.3	1.9	98
HYLAND SEEDS HLCVR54	92	P250	1,2,3	27.2	181.8 *	50.4	4.1	98	32.6	192.5 *	50.1	1.4	100	23.4	168.0 *	50.5	9.7	95	25.5	184.8 *	50.7	1.3	99
MYCOGEN 2J337	92	C250	1,2,3	27.1	186.2 *	51.2	4.5	99	33.2	190.3 *	50.2	2.8	100	23.4	173.9 *	51.5	7.4	99	24.6	194.3 *	51.8	3.4	99
NuTech 3C-889 RR/YGCB	89	P250	1,2	26.0	178.4	51.7	7.9	99	30.7	186.8 *	51.5	2.6	99	22.9	161.7	52.2	18.9	98	24.5	186.6 *	51.5	2.1	100
PIONEER 38N88	92	P1250	1,2,4,11,12	25.9	180.5 *	52.4	4.6	100	31.4	187.1 *	51.7	4.3	100	22.7	172.4 *	53.1	4.6	99	23.7	182.1	52.5	5.0	100
RENK RK212	82	C250	2,4	23.0	167.4	52.6	3.9	99	29.6	178.0	51.9	1.6	100	17.6	157.6	53.5	7.0	98	21.9	166.5	52.4	3.2	99
AVERAGE				25.9	178.9	51.6	5.0	99	31.2	185.2	51.0	2.5	99	22.3	168.5	52.1	10.2	98	24.2	182.9	51.7	2.3	99
HIGHEST				27.6	189.6	52.7	9.3	100	33.2	193.5	52.1	4.3	100	25.5	179.2	53.5	23.4	99	25.5	196.0	52.5	5.0	100
LOWEST				23.0	167.4	50.4	1.6	97	28.5	174.9	50.1	0.7	96	17.6	157.6	50.5	2.6	95	21.9	166.5	50.7	1.1	97
CV (%)				6.0	6.8	1.9	133.5	3.0	5.7	6.0	1.5	132.6	2.0	9.1	7.1	2.0	74.0	3.0	7.4	6.7	1.7	116.8	2.0
LSD (5%)				1.1	10.2	0.8	8.5	2.0	1.5	11.9	0.7	2.0	2.0	1.8	12.2	1.0	14.6	3.0	1.6	12.0	0.8	2.7	2.0

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

CODES NUMBERS FOR HYBRID TRAITS

Code Num.	Traits & Resistant Events
1	Glyphosate
2	European Corn Borer
3	Corn Rootworm
4	Liberty Link
5	Clearfield, IMI, IT, IR
6	N/A
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

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		

TABLE 5. DELTA & MENOMINEE (EARLY) COUNTY GRAIN TRIALS (92 Day and Earlier)

		2010					TRIAL AVERAGE					DELTA					MENOMINEE - EARLY				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd			
BAYSIDE 7080	80			17.0	140.8	50.6	23.4	99	18.0	142.8	49.8	23.1	99	15.9	138.7	51.4	23.6	98			
BAYSIDE 9081GT	81			18.8	159.7	50.8	29.9	98	20.7	163.6	50.1	24.0	97	16.9	155.7	51.4	35.7	98			
DAIRYLAND STEAL TH-6382	82	C250		17.7	168.5	51.9	22.7	98	18.7	170.9	51.9	22.6	96	16.6	166.1	51.9	22.7	99			
DAIRYLAND STEAL TH-7985	85	C250	1,2	19.3	153.8	50.8	79.4	99	21.1	156.6	50.3	85.2	100	17.4	150.9	51.3	73.5	97			
DEKALB DKC30-20 (VT3)	80	P250	1,2,3	17.3	169.0	55.2	3.4	97	18.0	167.5	55.0	3.4	98	16.5	170.4	55.3	3.4	96			
DEKALB DKC35-43 (VT3)	85	P250	1,2,3	18.6	180.1	55.1	32.7	99	19.5	176.4	54.5	17.3	100	17.6	183.8*	55.6	48.1	98			
DEKALB DKC36-34 (VT3)	86	P250	1,2,3	19.6	190.9*	52.3	3.1	98	20.5	184.7*	51.9	1.5	97	18.7	197.1*	52.6	4.6	98			
DEKALB DKC37-39 (VT3)	87	P250	1,2,3	20.2	194.4*	51.3	8.7	98	21.1	194.8*	50.3	9.7	100	19.3	194.0*	52.3	7.6	96			
DEKALB DKC38-89 (VT3)	88	P250	1,2,3	22.4	195.9*	50.2	0.9	99	24.6	192.6*	48.6	0.9	99	20.2	199.2*	51.7	0.8	99			
DEKALB DKC42-72 (VT3)	92	P250	1,2,3	20.0	185.2	50.3	10.3	99	21.4	185.8*	49.0	13.8	98	18.5	184.5*	51.5	6.7	100			
G2 GENETICS 5H-885 RRIHX	85	C250	1,2,4	18.5	184.8	51.2	34.6	98	19.8	193.7*	50.1	9.2	99	17.2	175.8	52.3	60.0	96			
HYLAND SEEDS HLB32R	90	P250	2,4	18.8	165.7	51.8	76.6	98	20.2	170.4	51.6	91.5	97	17.4	160.9	51.9	61.7	98			
HYLAND SEEDS HLCVR48	90	P250	1,2,3	19.8	198.1*	54.8	5.4	97	20.5	203.6**	54.8	2.7	98	19.1	192.6*	54.8	8.1	96			
HYLAND SEEDS HLCVR68	98	P250	1,2,3	23.9	183.0	49.7	13.4	99	25.8	183.2*	47.7	9.7	99	22.0	182.8*	51.7	17.0	98			
NuTech 0A-183	83	C250		18.5	160.4	51.9	48.8	98	20.4	156.6	51.9	72.4	100	16.5	164.2	51.9	25.1	96			
NuTech 3C-889 RRIYGCB	89	P250	1,2	19.9	181.7	51.6	39.1	98	21.5	194.1*	51.1	18.0	98	18.3	169.3	52.0	60.2	98			
NuTech 3T-482 VT3	82	P250	1,2,3	18.9	174.7	55.8	8.1	99	19.6	180.0	56.8	4.3	99	18.1	169.3	54.7	11.8	98			
NuTech 3T-484 VT3	84	C250	1,2,3	20.7	192.7*	50.7	11.5	98	22.7	198.1*	50.1	9.0	98	18.7	187.3*	51.2	13.9	97			
PIONEER 39D97	79	P1250	1,2	17.7	165.6	55.2	14.9	98	19.1	161.6	55.5	12.4	99	16.2	169.6	54.8	17.4	97			
PIONEER P8906HR	89	P1250	1,2,4	19.3	200.2**	52.6	12.1	94	20.1	198.0*	51.9	14.4	94	18.4	202.4**	53.2	9.7	93			
AVERAGE				19.3	177.3	52.2	24.0	98	20.7	178.7	51.6	22.2	98	18.0	175.7	52.7	25.6	97			
HIGHEST				23.9	200.2	55.8	79.4	99	25.8	203.6	56.8	91.5	100	22.0	202.4	55.6	73.5	100			
LOWEST				17.0	140.8	49.7	0.9	94	18.0	142.8	47.7	0.9	94	15.9	138.7	51.2	0.8	93			
CV (%)				3.8	8.1	2.3	62.2	4.0	4.1	8.2	2.3	39.7	3.0	3.4	8.0	2.4	74.6	4.2			
LSD (5%)				0.7	14.2	1.2	14.7	4.0	1.2	20.7	1.7	12.5	5.0	0.9	19.8	1.8	27.0	5.7			

		2 Year Averages 2010 - 2009					DELTA					MENOMINEE - EARLY						
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DEKALB DKC36-34 (VT3)	86	P250	1,2,3	22.4	171.3**	52.3	2.3	99	23.7	160.4*	51.6	1.1	99	21.0	182.1**	52.9	3.5	99
DEKALB DKC38-89 (VT3)	88	P250	1,2,3	27.1	166.8*	50.6	1.0	98	30.9	156.9*	49.4	0.6	98	23.3	176.7*	51.8	1.3	97
DEKALB DKC42-72 (VT3)	92	P250	1,2,3	27.0	166.0*	50.6	5.9	98	29.6	161.1*	49.7	8.0	99	24.3	170.9*	51.4	3.8	97
HYLAND SEEDS HLB32R	90	P250	2,4	24.0	152.1	51.9	38.9	98	28.3	146.5	51.0	45.8	98	19.6	157.7	52.8	32.0	97
NuTech 3C-889 RRIYGCB	89	P250	1,2	24.9	166.1*	51.4	20.2	98	28.3	163.8**	50.8	9.0	99	21.4	168.3	52.0	31.4	97
AVERAGE				25.1	164.5	51.4	13.7	98	28.2	157.7	50.5	12.9	98	21.9	171.1	52.2	14.4	97
HIGHEST				27.1	171.3	52.3	38.9	99	30.9	163.8	51.6	45.8	99	24.3	182.1	52.9	32.0	99
LOWEST				22.4	152.1	50.6	1.0	98	23.7	146.5	49.4	0.6	98	19.6	157.7	51.4	1.3	97
CV (%)				5.7	7.5	2.0	62.8	4.0	6.4	7.0	1.8	35.1	3.0	6.6	7.1	2.0	65.1	5.0
LSD (5%)				1.0	11.0	0.9	10.4	3.0	1.5	11.7	0.9	6.2	3.0	1.3	12.2	1.0	13.4	4.0

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

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	WASHTENAW	May 28	Oct. 29	Soybeans	34,452	33,935	153-8-2
	BRANCH	April 29	Oct. 1	Corn	34,452	33,246	153-8-2
	CASS	April 28	Oct. 19	Corn	34,056	33,205	185-33-27 s, zc
Zone 2	ALLEGAN	May 4	Nov. 3	Soybeans	34,452	33,418	153-8-2
	INGHAM	May 10	Oct. 22	Soybean	34,452	33,418	190-8-112
	SAGINAW & GR	May 5	Oct. 12	Soybean	34,452	33,591	153-8-2
Zone 3	HURON & GR	May 6	Oct. 21	Corn	35,244	33,883	168-8-2
	MONTCALM	May 21	Nov. 4	Potatoes	34,452	34,280	153-16-147 s, zc, Br
	MONTCALM GR	May 10	Oct. 11	Dry Beans	34,452	32,213	123-8-2
	MASON	May 16	Oct. 20	Carrots Rye cover	34,452	34,280	153-8-2
Zone 4	OGEMAW	May 24	Oct. 15	Corn Rye Forage	34,452	34,107	153-8-2 +manure
	GRAND TRAVERSE	May 16	Oct. 13	Wheat/Clover	34,452	34,107	118-8-47 +5 ton manure
	MENOMINEE	May 18	Nov. 1	Alfalfa/Grass	35,244	34,187	97-8-2 +10k gal manure
Z5	DELTA	May 18	Nov. 1	Corn	34,452	33,763	126-8-2

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	WASHTENAW	Morley loam	pH 6.25 P 61, K 243	Mathew Talladay	Milan
	BRANCH	Fox Sandy Loam	pH 5.9 P 44, K 110	Kyle Huff	Coldwater
	CASS	Kalamazoo Loam	pH 6.7 P 70, K 227	Dave & Mel Cripe	Cassopolis
Zone 2	ALLEGAN	Blount Silt Loam	pH 6.4 P 54, K 117	Ken Blaauw	Hopkins
	INGHAM	Capac Loam	pH 7.5 P 60, K 142	Jorgensen Farms Jerry Jorgensen & Mike Turner	Williamston
	SAGINAW & GR	Shiawassee Gravelly Sandy & Parkhill Loams	pH 6.2 P 90, K 207	Fred Gross Farms Peggy Gross & Dick Birchmeier	New Lothrop
Zone 3	HURON & GR	Kilmanagh Loam	pH 7.5 P 97, K 238	Wil-Le Farms Ron & Ed McCrea	Bad Axe
	MONTCALM	Montcalm & McBride Loamy Sands – Grayling Sand	pH 5.3 P 108, K 131	Sackett Farms Larry Sackett	Stanton
	MONTCALM GR	Montcalm - McBride Sandy Loam	pH 5.8 P 90 K 183	Montcalm Research Farm, MSU	Entrican
	MASON	Fern-Marlette Complex	pH 6.7 P 100, K 163	Robert Oshe	Scottville
Zone 4	OGEMAW	Nester-Manistee Complex Loam	pH 7.5 P 49, K 98.5	Mark Beck	West Branch
	GRAND TRAVERSE	Karlin Sandy Loam	pH 6.6 P 76, K 158	Ed Breitmeyer	Buckley
	MENOMINEE	Onaway Sandy Loam	pH 7.2 P 13, K 64.5	Johnson Dairy Farm Dave Johnson	Daggett
Z5	DELTA	Onaway Fine Sandy Loam	pH 5.8 P 41, K 116	Benny Herioux	Bark River

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

2010 BRAND / HYBRID	RM TRT TRAIT	EARLY - TRIAL AVERAGE				HURON - EARLY				MONTCALM - EARLY				SAGINAW - EARLY							
		%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
CROPLAN 3724VT3	96 C250 1,2,3	17.3	201.9	56.1	2.9	97	15.5	153.9	56.4	1.7	97	19.5	225.6	54.5	1.3	94	16.8	226.3**	57.4	5.8	99
GREAT LAKES 4041G3VT3	90 P250 1,2,3	16.4	215.5*	56.3	3.3	97	15.4	178.1*	56.9	3.3	95	17.9	246.9**	55.6	0.6	97	15.8	221.5*	56.5	6.1	99
GREAT LAKES 4415G3VT3	94 P250 1,2,3	16.7	210.1*	56.9	1.8	90	15.4	177.9*	57.4	4.3	86	18.8	226.4	55.6	0.4	88	15.8	225.9*	57.7	0.7	97
GREAT LAKES 4481G3VT3	94 P250 1,2,3	16.2	220.1**	57.0	2.8	92	15.4	202.9**	57.9	1.7	88	18.1	244.3*	55.4	0.9	94	15.2	213.0*	57.6	5.9	93
GREAT LAKES 4664G3VT3	96 P250 1,2,3	16.5	192.5	54.2	1.2	98	15.3	170.9	54.2	0.9	99	18.8	212.9	52.7	0.6	100	15.3	193.8	55.7	2.1	96
HYLAND SEEDS HL8454	92 P250 1,2,3,4	15.5	209.2*	55.0	2.7	98	14.9	188.2*	55.9	0.9	96	17.2	234.3*	53.3	1.2	98	14.5	205.2	55.8	6.1	99
HYLAND SEEDS HLB40R	95 P250 1,2	17.3	195.8	54.8	12.6	88	14.9	157.1	56.0	4.9	86	20.9	222.7	52.1	0.4	82	16.1	207.7	56.3	32.6	95
HYLAND SEEDS HLB42R	95 P250 1,2	16.5	201.0	56.3	17.3	96	15.6	168.4	55.6	0.9	95	18.6	238.3*	56.3	1.9	93	15.4	196.3	57.0	49.2	99
HYLAND SEEDS HLCVR48	90 P250 1,2,3	15.8	196.1	58.2	2.3	96	15.2	162.2	56.9	1.5	91	17.2	224.4	57.4	0.0	97	14.9	201.6	60.2	5.5	99
HYLAND SEEDS HLCVR64	95 P250 1,2,3	15.9	206.5	54.5	2.2	99	14.5	162.6	54.9	3.1	99	17.9	234.3*	53.2	0.0	99	15.3	222.7*	55.5	3.5	98
LEGACY SEEDS L-3538VT3	95 P250 1,2,3	16.3	212.4*	56.3	3.7	99	15.3	186.5*	57.8	1.5	97	17.9	235.5*	55.9	0.6	100	15.7	215.1*	55.3	9.0	99
LEGACY SEEDS L-3610 VT3	96 P250 1,2,3	16.7	213.5*	57.0	3.4	98	15.4	185.7*	56.8	2.0	99	18.7	241.5*	55.5	0.3	97	16.0	213.3*	58.6	7.8	99
AVERAGE		16.4	206.2	56.1	4.7	96	15.2	174.5	56.4	2.2	94	18.4	232.2	54.8	0.7	95	15.6	211.9	57.0	11.2	98
HIGHEST		17.3	220.1	58.2	17.3	99	15.6	202.9	57.9	4.9	99	20.9	246.9	57.4	1.9	100	16.8	226.3	60.2	49.2	99
LOWEST		15.5	192.5	54.2	1.2	88	14.5	153.9	54.2	0.9	86	17.2	212.9	52.1	0.0	82	14.5	193.8	55.3	0.7	93
CV (%)		2.2	6.9	2.9	105.6	4.0	1.9	10.5	3.7	115.1	5.0	2.5	5.2	2.4	198.9	5.0	2.0	5.4	2.7	72.2	3.0
LSD (5%)		0.3	11.5	1.3	4.0	3.0	0.4	26.4	3.0	3.7	7.0	0.7	17.4	1.9	1.9	6.0	0.5	16.3	2.2	11.6	4.0

2 Year Averages 2010 - 2009		EARLY - TRIAL AVERAGE				HURON - EARLY				MONTCALM - EARLY				SAGINAW - EARLY							
BRAND / HYBRID	RM TRT TRAIT	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
GREAT LAKES 4481G3VT3	94 P250 1,2,3	19.8	211.8**	55.0	2.2	94	20.1	199.0**	55.2	1.8	92	20.7	228.4**	54.2	1.9	95	18.6	208.0*	55.6	3.0	96
HYLAND SEEDS HLCVR64	95 P250 1,2,3	19.8	200.7	53.8	1.2	99	21.1	168.4	53.3	1.8	99	20.7	223.9*	53.0	0.0	99	17.5	209.7**	55.0	1.9	98
LEGACY SEEDS L-3538VT3	95 P250 1,2,3	20.9	202.9*	54.3	2.3	97	21.4	186.1*	54.7	1.2	95	21.6	220.4*	54.0	0.8	97	19.8	202.1*	54.1	4.9	99
AVERAGE		20.2	205.1	54.4	1.9	97	20.8	184.5	54.4	1.6	95	21.0	224.2	53.8	0.9	97	18.7	206.6	54.9	3.3	98
HIGHEST		20.9	211.8	55.0	2.3	99	21.4	199.0	55.2	1.8	99	21.6	228.4	54.2	1.9	99	19.8	209.7	55.6	4.9	99
LOWEST		19.8	200.7	53.8	1.2	94	20.1	168.4	53.3	1.2	92	20.7	220.4	53.0	0.0	95	17.5	202.1	54.1	1.9	96
CV (%)		4.6	6.6	2.6	114.8	4.0	9.1	8.7	2.7	183.5	5.0	3.3	5.2	1.8	216.3	4.0	5.0	5.6	2.0	63.5	3.0
LSD (5%)		0.7	10.9	1.1	3.6	3.0	1.6	15.4	1.5	3.6	4.0	0.7	11.7	1.0	1.7	4.0	0.8	11.7	1.1	5.7	3.0

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

TABLE 6L. HURON, MONTCALM & SAGINAW COUNTY GLYPHOSATE RESISTANT GRAIN TRIALS - LATE (100 Day and Later) ZONE 2 - 3

2010		LATE - TRIAL AVERAGE				HURON - LATE				MONTCALM - LATE				SAGINAW - LATE			
BRAND /HYBRID	RM TRT TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
CROPLAN 5237SS	101	19.6	219.8 *	54.2	1.0	96	16.6	178.7 *	56.7	1.6	92	23.7	258.4 *	50.7	0.0	96	
DYNAGRO D40SS09	101 C250 1,2,3,4	17.8	204.3	56.0	1.1	91	16.1	166.9 *	57.5	1.9	90	20.2	232.5	54.2	0.3	87	
DYNAGRO D44SS49	104 C250 1,2,3,4	19.6	224.4 *	55.0	3.3	95	17.0	182.2 *	58.9	3.5	94	23.1	253.6 *	50.7	0.0	93	
GREAT LAKES 4840VT3PRO	98 P250 1,2,3	16.6	201.8	56.6	3.5	98	15.2	170.4 *	57.6	5.2	98	18.2	237.4 *	55.3	0.0	97	
GREAT LAKES 5090G3VT3	100 P250 1,2,3	18.3	213.5 *	55.2	0.7	96	16.8	167.1 *	57.3	0.0	93	20.2	246.2 *	52.9	0.0	97	
GREAT LAKES 5211GS	102 P250 1,2,3,4	19.6	225.7 **	54.7	1.3	94	17.1	188.3 **	56.4	0.0	96	23.1	261.9 **	51.9	0.0	91	
HYLAND SEEDS HLB77R	108 P250 1,2	20.7	216.3 *	53.1	4.3	95	18.1	175.2 *	55.7	8.0	97	24.8	239.4 *	49.0	1.0	92	
HYLAND SEEDS HLCVR68	98 P250 1,2,3	17.8	217.6 *	56.9	1.1	98	16.2	171.0 *	58.1	1.2	97	19.7	249.7 *	55.0	0.6	99	
HYLAND SEEDS HLR277	107	20.1	195.0	52.9	2.3	93	18.0	154.3	54.3	3.3	94	23.7	220.7	49.3	1.5	86	
LEGACY SEEDS L-4029 VT3	100 P250 1,2,3	17.8	210.1	56.2	2.9	95	16.4	184.4 *	57.1	2.1	94	19.7	225.5	54.2	0.6	93	
NK Brand N39M 3000GT Brand	99 1,2,3,4	18.0	196.6	54.1	0.3	91	16.8	151.1	54.4	0.3	90	19.8	229.0	53.3	0.0	87	
NK Brand N49J 3000GT Brand	103 1,2,3,4	18.1	202.5	54.3	12.7	93	16.6	174.9 *	54.5	5.1	88	20.3	221.2	52.7	10.0	92	
AVERAGE		18.7	210.6	54.9	2.9	95	16.7	172.0	56.5	2.7	94	21.4	239.6	52.4	1.2	92	
HIGHEST		20.7	225.7	56.9	12.7	98	18.1	188.3	58.9	8.0	98	24.8	261.9	55.3	10.0	99	
LOWEST		16.6	195.0	52.9	0.3	91	15.2	151.1	54.3	0.0	88	18.2	220.7	49.0	0.0	86	
CV (%)		4.3	7.5	2.9	196.8	6.0	3.2	10.4	3.4	117.9	6.0	5.0	7.1	2.2	188.8	8.0	
LSD (5%)		0.7	12.7	1.3	4.6	5.0	0.8	25.9	2.8	4.6	8.0	1.5	24.6	1.7	3.2	11.0	

2 Year Averages 2010 - 2009		LATE - TRIAL AVERAGE				HURON - LATE				MONTCALM - LATE				SAGINAW - LATE			
BRAND /HYBRID	RM TRT TRAIT	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
DYNAGRO D44SS49	104 C250 1,2,3,4	25.2	209.6	53.1	1.9	96	25.0	184.7	54.9	2.1	95	27.6	230.5	50.8	0.3	96	

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

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BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE
AGRA		CROPLAN		G2 GENETICS	
AGRA A100	100 1E	CROPLAN 3724VT3	96 2E,3E	G2 GENETICS 5H-885 RR/HX	85 4,5
AGRA A101	101 1E	CROPLAN 5237SS	101 2L,3L	-G2 GENETICS 5H-891 RR/HX	91 4
AGRA A902Q	102 1E	CROPLAN 5338SS	103 1E,2E,3L	G2 GENETICS 5H-696 RR/HX	96 3E
AGRA A906Q	106 1E	-CROPLAN 2871VT3	88 4	G2 GENETICS 5H-597 RR/HX	97 2E,3E
AGRA A107	107 1E			G2 GENETICS 5H-597A RR/HX	97 3E
AGRA A909	109 1L	DAIRYLAND		G2 GENETICS 5H-797 RR/HX	97 2E,3E
AGRA A110	110 1L	DAIRYLAND STEALTH-6382	82 5	G2 GENETICS 5H-897 RR/HX	97 2E,3E
		DAIRYLAND STEALTH-7985	85 4,5	G2 GENETICS 5H-999 RR/HX	97 2E,3E
AGRIGOLD		DAIRYLAND STEALTH-9286	86 4	G2 GENETICS 5H-999A RR/HX	99 3L
AGRIGOLD A6220VT3Pro	98 2E	DAIRYLAND STEALTH-9789	89 3E,4	G2 GENETICS 5H-700 RR/HX	100 3L
AGRIGOLD A6276VT3	101 2E	DAIRYLAND STEALTH-6992	92 3E	G2 GENETICS 5H-700B RR/HX	100 2E,3L
-AGRIGOLD A6309STX	103 2L	DAIRYLAND STEALTH-6494	94 2E,3E	G2 GENETICS 5X-500 RR/HXT	100 2E
-AGRIGOLD A6323GT3	103 1E,2L	DAIRYLAND STEALTH-9395	95 3 ^E	G2 GENETICS 5H-501 RR/HX	101 2E,3L
AGRIGOLD A6421STX	108 1L	-DAIRYLAND STEALTH-9196	96 3E	G2 GENETICS 5H-502 RR/HX	101 2E,3L
-AGRIGOLD A6458VT3	109 1L	-DAIRYLAND STEALTH-1898	98 2E,3L	G2 GENETICS 5H-702 RR/HX	101 2E,3L
-AGRIGOLD A6476VT3	110 1L	DAIRYLAND STEALTH-9799	99 2E	G2 GENETICS 5H-902 RR/HX	101 2E,3L
		-DAIRYLAND STEALTH-9703Q	103 2L	G2 GENETICS 1H-005 HX/LL	105 1E
AgVenture		DAIRYLAND STEALTH-9206Q	106 1E,2L	-G2 GENETICS 5H-005 RR/HX	105 1E,2L
AgVenture EX268223	97 2E,3E	-DAIRYLAND STEALTH-1809	109 1L	G2 GENETICS 5H-905 RR/HX	105 2L,3L
AgVenture EX003076	98 2E,3L	DAIRYLAND STEALTH-6310	110 1L	G2 GENETICS 5X-905 RR/HXT	105 1E,2L,3L
		DAIRYLAND STEALTH-9710SSX	110 1L	G2 GENETICS 5H-506 RR/HX	106 3L
				-G2 GENETICS 5H-007 RR/HX	107 1E,2L
BAYSIDE		DEKALB		G2 GENETICS 5H-608 RR/HX	107 1E,2L
BAYSIDE 7080	80 4,5	DEKALB DKC30-20 (VT3)	80 5	G2 GENETICS 5X-007 RR/HXT	107 1E,2L
BAYSIDE 8081 3000GT	81 4	DEKALB DKC35-43 (VT3)	85 5	G2 GENETICS 5H-007A RR/HX	107 1E,2L
BAYSIDE 9081GT	81 4,5	DEKALB DKC36-34 (VT3)	86 4,5	G2 GENETICS 5H-608A RR/HX	108 1L
BAYSIDE 4090	90 3E,4	DEKALB DKC37-39 (VT3)	87 4,5	G2 GENETICS 5X-908 RR/HXT	108 1L
BAYSIDE 3090GT CBL	90 3E,4	DEKALB DKC38-89 (VT3)	88 3E,4,5	G2 GENETICS 5H-509 RR/HX	109 1L
BAYSIDE 9091	91 3E	DEKALB DKC42-72 (VT3)	92 2E,3E,4,5	G2 GENETICS 5H-909 RR/HX	109 1L
BAYSIDE 8093 3000GT	93 2E,3E	DEKALB DKC43-27 (VT3)	93 2E,3E,4	-G2 GENETICS 5X-209 RR/HXT	109 1L
BAYSIDE 5094RR2	94 2E	DEKALB DKC45-52 (GENVT3P)	95 2E,3E,4	G2 GENETICS 5X-909 RR/HXT	109 1L
BAYSIDE 9096	96 2E,3E	DEKALB DKC48-37 (VT3)	98 2E,3L	G2 GENETICS 3A-511 RR	111 1L
BAYSIDE 8096 3000GT	96 2E	DEKALB DKC50-35 (VT3)	100 1E,2E,3L	G2 GENETICS 5H-511 RR/HX	111 1L
BAYSIDE 9096GT	96 2E	DEKALB DKC50-66 (VT3)	100 1E,2E,3L	-G2 GENETICS 5X-711 RR/HXT	111 1L
BAYSIDE 9099GT	99 2E	DEKALB DKC51-86 (GENVT3P)	101 1E,2E,3L		
BAYSIDE 9100GT	100 2E	DEKALB DKC52-59 (VT3)	102 1E,2L,3L	GARST	
BAYSIDE 72001	101 2E	DEKALB DKC54-16 (VT3)	104 1E,2L,3L	GARST 89K65-3000GT Brand	89 3E,4
BAYSIDE 9104GT	104 2L	DEKALB DKC54-49 (VT3)	104 1E,2L,3L	GARST 88M51-3000GT Brand	98 2E
		DEKALB DKC57-50 (VT3)	107 1E,2L	-GARST 86J49-3000GT Brand	103 2L,3L
BECK		DEKALB DKC58-83 (GENVT3P)	108 1L,2L	GARST 86M39-3000GT Brand	105 1E
BECK 4613A3	102 1E	DEKALB DKC59-35 (VT3)	109 1L,2L	GARST 84U96-3000GT Brand	110 1L
BECK 4817HXRTM*	104 1E	DEKALB DKC59-64 (VT3)	109 1L,2L		
BECK 5269HXRTM*	106 1E	DEKALB DKC60-51 (VT3)	110 1L,2L	GOLDEN HARVEST	
BECK 5377HRTM*	106 1E	DEKALB DKC62-54 (VT3)	112 1L	GOLDEN HARVEST H-7044 3000GT	96 2E,3E
-BECK 5354HXRTM*	107 1E	DEKALB DKC62-97 (GENVT3P)	112 1L	GOLDEN HARVEST H-7151 3000GT	98 3L
BECK 5435HXRTM*	109 1L			GOLDEN HARVEST H-8211 3000GT	105 1E,2L
-BECK 5442VT3	110 1L	DYNAGRO		GOLDEN HARVEST H-8969 3000GT	110 1L
		DYNAGRO 52V01	87 4		
CHANNEL		DYNAGRO D32RR29	92 3E,4	GREAT LAKES	
CHANNEL 196-06VT3 Brand	96 3E	DYNAGRO 54V78	96 2E,3E	GREAT LAKES 4041G3VT3	90 6E,3E
CHANNEL 199-55VT3 Brand	97 2E,3E	DYNAGRO D36SS39	96 3E	GREAT LAKES 4415G3VT3	94 6E,3E
CHANNEL 201-84VT3 Brand	101 2E,3L	DYNAGRO D35RR40	94 3E,4	-GREAT LAKES 4481G3VT3	94 6E,3E
CHANNEL 201-16VT3 Brand	105 1E,2L	DYNAGRO V3883VT3	98 2E,3L	GREAT LAKES 4664G3VT3	96 2E,6E,3E
CHANNEL 209-19VT3 Brand	109 1L	-DYNAGRO D40SS09	101 2E,6L,3L	GREAT LAKES 4840VT3PRO	98 2E,6L,3L
CHANNEL 210-61VT3 Brand	110 1L	DYNAGRO D44SS49	104 1E2L6L3L	-GREAT LAKES 5090G3VT3	100 2E,6L,3L
		-DYNAGRO D45Q50	105 1E	GREAT LAKES 5211GS	102 1E,2L,6L
		DYNAGRO CX10106	106 1E	-GREAT LAKES 5643VT3PRO	106 1E
		-DYNAGRO 56R60	107 1E	GREAT LAKES 5783G3VT3	107 1E
		DYNAGRO 57V40	111 1L	-GREAT LAKES 5939G3VT3	109 1L

BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE
HERITAGE		NuTech		RUPP	
HERITAGE 4281VT3	99 2E	NuTech 3T-482 VT3	82 5	RUPP 8XP67	92 3E
HERITAGE 8310GENSS	101 2E	NuTech 0A-183	83 5	RUPP XR8002	94 2E,3E
HERITAGE 4294VT3	102 2L	NuTech 3T-484 VT3	84 4,5	RUPP XR8495	95 2E,3E
HERITAGE 8222GENVT3P	102 2L	NuTech 3A-889 RR	89 4	RUPP XR8052	96 2E,3E
HERITAGE 8390GENSS	104 1E,2L	-NuTech 3C-889 RR/YGCB	89 3E,4,5	RUPP 8XP58A	100 2E
HERITAGE 4395VT3	107 1E	NuTech 1B-592 CB/LL	92 4	RUPP XR1588	100 2E
HERITAGE 4602VT3	109 1L	NuTech 0A-693	93 3E	RUPP 8XP57A	102 2L
		NuTech 3T-393 VT3	93 3E	RUPP XR8034	105 1E
		NuTech 5N-593 GT/CB/LL/RW	93 3E,4	RUPP XR8039	105 1E
HYLAND SEEDS		NuTech 3T-294 VT3	94 3E,4	RUPP XR8013	107 1E
HYLAND SEEDS HLB32R	90 4,5	NuTech 5N-695 GT/CB/LL/RW	95 3E	RUPP XR8407	107 1E
HYLAND SEEDS HLCVR48	90 6E,3E,5	NuTech 3T-098 VT3	97 2E,3E	RUPP XR1791	109 1L
HYLAND SEEDS HLB454	92 6E,3E,4	NuTech 5N-197 GT/CB/LL/RW	97 2E,3E		
HYLAND SEEDS HLCVR54	92 4	NuTech 5N-197A GT/CB/LL/RW	97 3E	SEED CONSULTANTS	
HYLAND SEEDS HLCVR64	95 6E,3E	NuTech 3A-100 RR	100 2E	SEED CONSULTANTS SC10AQ00	100 1E
HYLAND SEEDS HLB40R	95 2E,6E,3E	NuTech 3T-401 VT3	101 2E,3L	SEED CONSULTANTS SCS10HQ30TM103	101 1E
-HYLAND SEEDS HLB42R	95 2E,6E,3E	NuTech 5N-102 GT/CB/LL/RW	101 2E,3L	SEED CONSULTANTS SCEX0103-3	104 1E
HYLAND SEEDS HLR277	107 2E,6L,3L	-NuTech 5N-803 GT/CB/LL/RW	103 1E,2L,3L	SEED CONSULTANTS SCS10HQ70TM107	107 1E
HYLAND SEEDS HLCVR68	98 2E,6L,3L,5	NuTech 2A-804	104 2L,3L	SEED CONSULTANTS SCS10HQ78TM108	108 1L
-HYLAND SEEDS HLB77R	108 2L,6L,3L	-NuTech 3A-804 GT	104 1E	SEED CONSULTANTS SC10AQ91A	110 1L
		NuTech 5N-804 GT/CB/LL/RW	104 1E,2L,3L	SEED CONSULTANTS SCS11HQ00TM110	110 1L
INTEGRA SEED		NuTech 5N-705 GT/CB/LL/RW	105 1E,2L	SEED CONSULTANTS SC11AQ07	111 1L
INTEGRA SEED 9361 VT3	86 3E	-NuTech 3A-406 GT	106 1E,2L,3L	SEED CONSULTANTS SCEX0111-3	111 1L
INTEGRA SEED 9422 VT3	91 2E,3E	NuTech 3T-708 VT3	108 1L		
INTEGRA SEED 9460 VT3	96 2E,3E	NuTech 3T-808 VT3	108 1L	STEWART	
INTEGRA SEED 9481 VT3	97 2E,3E	NuTech 1N-109 CB/LL/RW	109 1L	STEWART 4T722	99 2E
INTEGRA SEED 9530 VT3	103 1E	NuTech 3A-710 GT	110 1L	STEWART 5T555	101 2E
INTEGRA SEED 9532 SS	104 1E,2L	NuTech 3T-110 VT3	110 1L	STEWART 5A988	104 1E,2L
INTEGRA SEED 9591 RB	107 1E	NuTech 3T-810 VT3	110 1L	STEWART 6T725	106 1E,2L
				STEWART 6T538	106 1E
				STEWART 7A218	109 1L
				STEWART 7T945	111 1L
LEGACY SEEDS		PIONEER			
LEGACY SEEDS L-3009 RR	92 3E	PIONEER 39D97	79 5		
LEGACY SEEDS L-3538VT3	95 2E,6E,3E	-PIONEER P8906HR	89 5		
LEGACY SEEDS L-3610 VT3	96 2E,6E,3E	PIONEER 38N88	92 3E,4	STEYER	
LEGACY SEEDS L-4029 VT3	100 2E,6L,3L	-PIONEER P9380XR	93 4	STEYER 8701 3000GT	87 3E
LEGACY SEEDS L-4409 3000GT	102 2L	PIONEER P9807HR	98 3L	STEYER 9005 3000GT	90 3E
-LEGACY SEEDS L-5350 3000GT	104 2L	PIONEER P9995XR	99 3L	STEYER 9501 3000GT	95 3E
-LEGACY SEEDS L-5309 3000GT	106 2L	-PIONEER P0115XR	101 3L	STEYER EXP01002 RR	100 2E,3L
		-PIONEER P0125HR	101 2E	STEYER 10201 3000GT	103 2L
		-PIONEER 36V53	102 2L	STEYER 10401 VT3	104 2L
		PIONEER P0413XR	104 2L	STEYER 1063 3000GT	106 1E
MASTERS CHOICE		PIONEER 35F40	105 1E,2L	STEYER 10701 VT3	107 1E
MASTERS CHOICE MCT-480	90 2E	PIONEER 35K04	106 1E	STEYER 1083 HXTRR	108 1L
MASTERS CHOICE MCT-493	93 1E	PIONEER P0891XR	108 1L		
		PIONEER 34F97	111 1L		
				WELLMAN	
MYCOGEN		RENK		WELLMAN W2000R	100 1E
MYCOGEN 2T224	86 4	RENK RK212CBLL	82 4	WELLMAN W2100R	100 1E
MYCOGEN 2J337	92 4	RENK RK292GTCBLLRW	85 4	WELLMAN W2102VT3	102 1E
MYCOGEN 2H490	99 2E	-RENK RK302GTCBLL	89 3E,4	WELLMAN W2004R	104 1E
MYCOGEN 2H523	103 2L	RENK RK334RR	89 3E,4	WELLMAN W2105VT3	105 1E
MYCOGEN 2J597	105 1E	RENK RK434RR	92 2E,3E	WELLMAN W2706	106 1E
MYCOGEN 2K679	109 1L	RENK RK501VT3	95 2E,3E	WELLMAN W2007VT3	107 1E
		RENK RK559VT3P	95 2E,3E		
NK Brand		RENK RK570VT3	95 3E,4		
-NK Brand N29T-3000GT Brand	92 2E,3E,4	-RENK RK563CBLLRW	98 2E,3L		
NK Brand N33R GT/CB/LL Brand	94 3E	-RENK RK565GTCBLLRW	99 2E,3L		
NK Brand N34N 3000GT Brand	95 3E	RENK RK619SSTX	101 2E		
NK Brand N39M 3000GT Brand	99 2E,6L,3L	-RENK RK698VT3	103 1E,2L		
NK Brand N49J 3000GT Brand	103 2L,6L,3L	RENK RK694GTCBLLRW	104 1E,2L		
-NK Brand N53W-3000GT Brand	105 3L	RENK RK764SSTX	108 1L		
NK Brand N61P-3000GT Brand	105 1E,2L	RENK RK848VT3P	112 1L		
NK Brand N63R-3000GT Brand	109 1L	RENK RK880VT3P	112 1L		
		RENK RK744VT3	107 1E		

~ Denotes hybrids that were entered into the Grain and Silage Trials.

Corn Grain Profitability in the Northern Corn Belt Improves from Selecting Earlier Maturing Hybrids

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Department of Crop and Soil Sciences
Michigan State University

With the recent increases in energy costs, selecting corn hybrids with the appropriate relative maturity (RM) rating is one of the most important management decisions Michigan producers have to make. Late maturing hybrids generally have greater grain yield potential than earlier maturing hybrids in Michigan. However, late hybrids often have higher kernel moisture at harvest, especially in a cool and/or wet growing season. Higher grain moisture causes harvest delays and higher drying costs, which could offset economic gains from the higher yield of late maturing hybrids. Therefore, higher yield from late hybrids may not guarantee a higher economic return.

Performance of commercial corn hybrids was evaluated annually in three zones from south to north across Michigan. Climatic conditions within each zone are similar and each zone consisted of three trial locations (counties) annually. Zone 1 lies across the southeast and southwest corners of the state, and trial sites were located in Branch, Cass and Lenawee Counties. Zone 2 lies in the south-central portion of the lower peninsula and the three trial sites were located in Ingham, Kent and Saginaw counties. Zone 3 lies to the north of Zone 2 and trial sites were located in the counties of Huron, Mason and Montcalm. These zones were designated on the basis of available growing degree days (GDD) established from long-term weather records. For Zone 1, hybrids with RM ratings < 107 d were classified into the early maturing group and those with RM ratings \geq 107 d were classified into the late maturing group. Similarly, the cutoff number was 102 and 97 d for Zone 2 and 3 respectively.

Five top-yielding hybrids of the two groups in each zone and year combination were selected for analysis and the grain yield was adjusted to 15.5% moisture. Relative economic return was evaluated based on combinations of corn price at \$2.5, 3.5 and 4.5 bu⁻¹, which is roughly the range of corn price occurring during the 2000 -2009 study period, and drying costs at \$0.03, 0.04, 0.05 and 0.06 bu⁻¹ point⁻¹. Harvesting cost was set as \$0.17 bu⁻¹, which included handling (\$0.02 bu⁻¹), hauling (\$0.04 bu⁻¹) and transportation (\$0.11 bu⁻¹). The net return was represented simply by the difference of gross return (corn price \times yield) and total drying and harvesting cost (drying cost \times moisture above 15.5% \times yield + harvesting cost \times yield). No other costs besides drying and harvesting costs were included in the analysis.

Results

During the studied ten-year period, the late hybrids had significantly higher grain yield than the early hybrids in the three zones, producing on average 3, 6 and 3 bu acre⁻¹ more for zone 1, 2 and 3 respectively. We found that late RM hybrids had a higher overall mean grain yield in eight of the ten years studied, with the exception of 2004 and 2009, when early RM hybrids had slightly higher grain yield (Fig. 1). Abnormally cool temperatures during the 2009 growing season across the Northern Corn Belt and subsequently substantially lower GDD accumulations had a greater impact on late hybrids, contributing to the similar grain production of early and late RM groups in the three zones. However, only in the years of 2002 and 2006 was the yield difference statistically significant. Late hybrids produced 10.2 and 12.0 bu acre⁻¹ more corn grain than early hybrids in 2002 and 2006 respectively, while for the other eight years the grain yield difference between the two RM groups was smaller than 6.4 bu acre⁻¹.

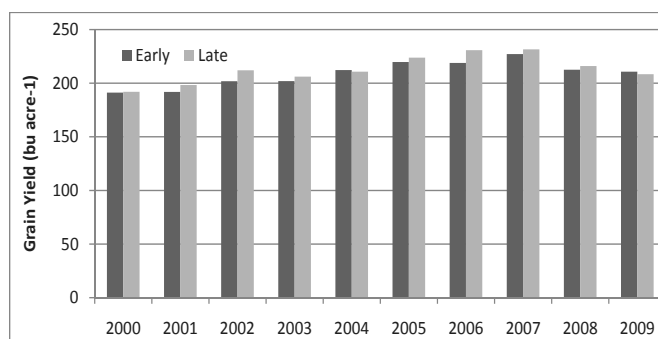


Fig. 1 Average grain yield of the three zones over 2000 – 2009 for the early and late RM hybrid groups.

As expected, grain moisture at harvest was consistently and significantly higher for the late hybrids over the ten-year span (Fig. 2). Also average grain moisture differences between the two RM groups were greater in Zone 2 and 3 than in Zone 1. The difference in grain moisture between early and late hybrids was about 1.4% in Zone 1, compared to 3.0% in Zone 2 and 3 across years. This was due to the more northern latitude of Zones 2 and 3 and the resulting shorter growing season relative to Zone 1. The biggest difference was about 6%, taking place in Zone 3 in 2009.

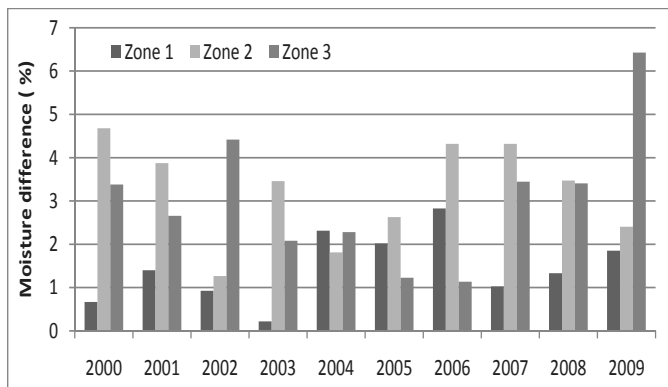


Fig. 2 Moisture differences between the late and early RM hybrid groups (Late – Early) for Zone 1, 2, and 3 over 2000 – 2009.

Table 1 shows comparisons of net returns between the early and late groups from 2000 – 2009 over the three zones. Late hybrids had significantly larger returns relative to early RM hybrids when the corn grain price was \$4.5 bu⁻¹ and drying cost was lower than \$0.05 bu⁻¹point⁻¹ during the favorable growing seasons of 2002 and 2006. In 2006, trials were planted earlier and accumulated GDD units were sufficient to fully mature and field dry even for the latest RM hybrids, which contributed to the significantly higher grain yield from late hybrids. When the drying cost reached \$0.05 bu⁻¹point⁻¹ or higher, late hybrids had no significant benefit in any of the ten growing seasons from 2000 – 2009, even with corn grain priced as high as \$4.5 bu⁻¹. Early RM hybrids had substantially higher net returns when weather conditions are cool and drying costs are high, as happened in 2009. Comparisons were also made between early and late hybrids for Zone 1, 2, and 3 respectively with the ten-year data as a whole (Table 2). The advantage of early hybrids over late hybrids increased from Zone 1 to Zone 3 with similar corn

Table 1 The economic return differences (\$ acre⁻¹) between early and late relative maturing hybrids (Early – Late) averaging in the three zones for individual year of 2000 -2009 period.

Dry cost (\$ bu ⁻¹ point ⁻¹)	Year									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Corn grain price: 2.5 \$ bu ⁻¹										
0.03	15.0	1.8	-7.7	2.3	16.7	4.5	-6.4	10.0	10.6	25.4
0.04	20.6	7.4	-2.3	6.3	21.2	9.1	0.8	16.7	16.8	32.1
0.05	26.1	12.9	3.0	10.3	25.6	13.8	8.0	23.4	23.0	38.7
0.06	31.6	18.5	8.4	14.4	30.0	18.4	15.2	30.2	29.2	45.3
Corn grain price: 3.5 \$ bu ⁻¹										
0.03	14.3	-4.6	-17.8	-2.0	18.2	0.4	-18.3	5.5	7.2	27.8
0.04	19.8	1.0	-12.5	2.1	22.6	5.0	-11.2	12.3	13.4	34.4
0.05	25.4	6.5	-7.1	6.1	27.1	9.7	-4.0	19.0	19.6	41.1
0.06	30.9	12.1	-1.8	10.1	31.5	14.4	3.2	25.8	25.8	47.7
Corn grain price: 4.5 \$ bu ⁻¹										
0.03	13.6	-11.0	-28.0	-6.2	19.7	-3.7	-30.3	1.1	3.8	30.2
0.04	19.1	-5.4	-22.7	-2.2	24.1	1.0	-23.1	7.9	10.0	36.8
0.05	24.7	0.1	-17.3	1.9	28.5	5.6	-15.9	14.6	16.2	43.4
0.06	30.2	5.7	-12.0	5.9	33.0	10.3	-8.8	21.4	22.4	50.1

grain price and dry cost. In Zone 3, early hybrids had a greater return with each of combinations of corn grain price and drying cost studied. Late hybrids showed some advantage only in three of 12 scenarios in Zone 1 and one of 12 scenarios in Zone 2.

Table 2 The overall economic return differences (\$ acre⁻¹) between early and late relative maturing hybrids (Early – Late) over 2000 – 2009 period for Zone 1, 2, and 3 respectively.

Corn grain price (\$ bu ⁻¹)	Dry cost(\$ bu ⁻¹ point ⁻¹)			
	0.03	0.04	0.05	0.06
Zone 1				
4.5	-4.7	-1.5	1.8	5.1
3.5	-1.4	1.9	5.2	8.4
2.5	2.0	5.3	8.5	11.8
Zone 2				
4.5	-4.1	3.0	10.1	17.2
3.5	1.8	8.8	15.9	23.0
2.5	7.6	14.7	21.8	28.9
Zone 3				
4.5	5.6	12.1	18.7	25.2
3.5	8.8	15.4	21.9	28.4
2.5	12.1	18.6	25.1	31.7

Conclusions

The late hybrids produced significantly higher grain yield than the early hybrids only in two of ten years we studied (2000 – 2009), while the grain moisture was consistently higher for the late hybrids. As a result, the early hybrids had a greater net return in most scenarios evaluated while the late hybrids had significant economic advantage only with relatively higher corn price (> \$3.5 bu⁻¹), lower drying cost (< \$0.05 bu⁻¹ point⁻¹) and favorable growing seasonal conditions (such as 2002 and 2006 when late hybrids yielded at least 10 bu acre⁻¹ more than the early hybrids). With increasing grain drying cost in recent years, selecting early RM hybrids will likely give greater average economic returns over time.

2010 SILAGE PERFORMANCE TRIALS

Introduction

The silage index (pg.35) contains a list of all hybrids planted in the 2010 grain trials.

County results are reported in the following tables:

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

Tables 8E/8L Zone 2 – Allegan, Huron (Zone 3) and Ingham

Table 9 Zone 4 – Menominee (Late), Ogemaw and Osceola

Table 10 Zone 5 - Alger and Menominee (Early)

The map of Michigan (page 33) shows each zone and the locations where the trials were located.

Methods

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

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. 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.

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 applied to calculate green tons per acre (GT/A). Sub samples of fodder including 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) is calculated by multiplying GT/A 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 & ground samples. Data is provided for individual locations and also averaged over multiple locations. Near infrared

spectral analysis involves irradiating the 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.
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.
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.

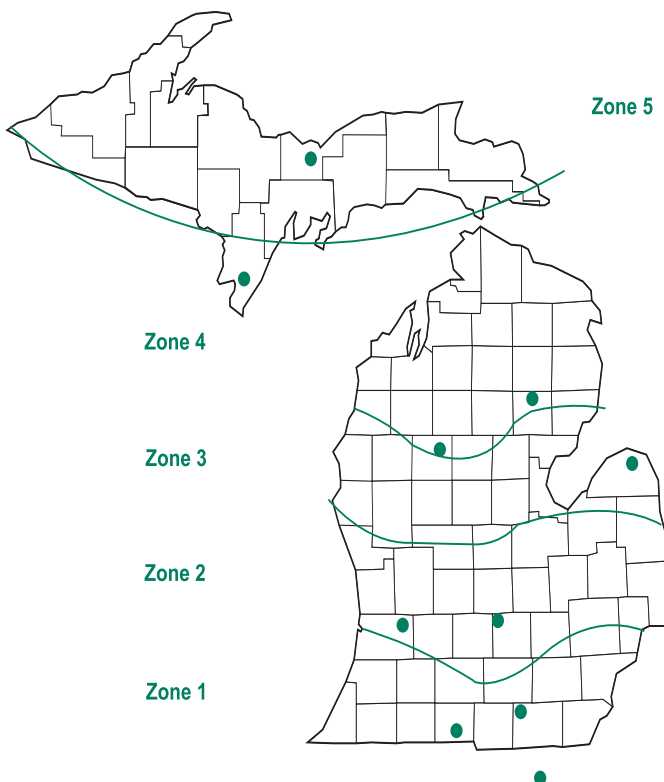
Silage quality traits are reported on a dry matter basis (100 percent DM). Quality traits in these tables are intended for use in hybrid selection only. Analysis for the balancing of feed rations should be analyzed from hybrids grown on each individual farm.

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. For more information on the utility of MILK2006 please see:

www.uwex.edu/ces/crops/uwforage/Milk2006silage.html

2010 Silage Trial Locations



Notes

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TABLE C.

AGRONOMIC TABLE FOR SILAGE TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	BRANCH	April 29	Sept. 7	Corn	33,264	32,732	153-8-2
	LENAWEE	June 1	Sept. 21	Soybeans	34,452	34,245	153-8-2
	WOOD (OHIO)	May 26	Aug 31	Soybeans	32,000	31,648	241-40-40
Zone 2	ALLEGAN	May 4	Sept, 13	Soybeans	34,452	33,522	153-8-2
	INGHAM	May 20	Aug. 30	Soybeans	34,452	34,107	153-8-2
	HURON	May 6	Sept. 8	Corn	35,244	32,601	160-8-2
Zone 4	OGEMAW	May 24	Sept. 20	Corn & Rye Forage	34,452	33,453	153-8-2 +manure
	OSCEOLA	May 17	Sept. 14	Alfalfa	34,452	34,245	153-8-2
	MENOMINEE	May 18	Sept. 15	Alfalfa/Grass	35,244	34,010	97-8-2 +10k gal manure
Z5	ALGER	May 18	Sept. 15	Peas & Oats	34,452	33,556	71-8-2

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Fox Sandy Loam	pH 5.9 P 44, K 110	Kyle Huff	Coldwater
	LENAWEE	Blount Loam	pH 7.2 P 78, K 172	Bakerlad Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville Clay	pH 5.8 P 114 , K 435	Matt Davis OARDC	Hoytville, Ohio
Zone 2	ALLEGAN	Blount Silt Loam	pH 6.4 P 54, K 117	Ken Blaauw	Hopkins
	INGHAM	Capac Loam	pH 6.4 P 63, K 171	Crop & Soil Sciences Research Facility, MSU	East Lansing
	HURON	Kilmanagh Loam	pH 7.5 P 97, K 238	Wil-Le Farms Ron & Ed McCrea	Bad Axe
Zone 4	OGEMAW	Selkirk Loam	pH 7.5 P 49, K 98.5	Mark Beck	West Branch
	OSCEOLA	Isabella Loam	pH 6.2 P 138, K 143	Robert E. Lee	Marion
	MENOMINEE	Onaway Sandy Loam	pH 7.2 P 12.5, K 63.5	Johnson Dairy Farm Dave Johnson	Daggett
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.4 P 86, K 159	Chatham Research Station, MSU	Chatham

SILAGE HYBRID INDEX

ZONE 1 - Tables 7E/7L

Branch
Lenawee
Wood (Ohio)
Trial Average

ZONE 2 - Tables 8E/8L

Allegan
Huron - Zone 3
Ingham
Trial Average

ZONE 4 - Table 9

Menominee - Late
Ogemaw
Osceola
Trial Average

ZONE 5 - Table 10

Alger
Menominee - Early
Trial Average

BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE
AGRIGOLD		GARST		NuTech	
-AGRIGOLD A6309STX	103 8E	-GARST 86J49-3000GT Brand	103 8E,9	NuTech 1B-887 CB/LL	87 10
-AGRIGOLD A6323GT3	103 8E	GARST 84U58-3000GT Brand	110 7E,8L	-NuTech 3C-889 RR/YGCB	89 10
-AGRIGOLD A6458VT3	109 7E	GARST 83C55-3000GT Brand	114 7L	NuTech 5B-290 GT/CB/LL	90 10
-AGRIGOLD A6476VT3	110 7E			NuTech 3T-603 VT3	103 9
AGRIGOLD A6489VT3	111 7L	GOLDEN HARVEST		-NuTech 5N-803 GT/CB/LL/RW	103 8E,9
AGRIGOLD A6533VT3	113 7L	GOLDEN HARVEST H-7891 3000GT	103 8E,9	-NuTech 3A-804 GT	104 8E
		GOLDEN HARVEST H-8672 3000GT	109 7E,8L	-NuTech 3A-406 GT	106 8L
		GOLDEN HARVEST H-8952 3000GT	111 7L	NuTech 5N-215 GT/CB/LL/RW	115 7L
BECK		GREAT LAKES		PIONEER	
-BECK 5354HXRTM*	107 7E	-GREAT LAKES 4481G3VT3	94 9	PIONEER 39V07	80 10
-BECK 5442VT3	110 7E	-GREAT LAKES 5090G3VT3	100 9	-PIONEER P8906HR	89 10
BECK 6733HXRTM*	113 7L	GREAT LAKES 5306G3VT3	103 8E	PIONEER 38H08	92 10
		-GREAT LAKES 5643VT3PRO	106 8L	-PIONEER P9380XR	93 10
CROPLAN		-GREAT LAKES 5939G3VT3	109 7E,8L	-PIONEER P0115XR	101 9
-CROPLAN 2871VT3	88 10	GREAT LAKES 6229G3VT3	112 7L	-PIONEER P0125HR	101 7E,8E
CROPLAN S61100VT	105 8E	GREAT LAKES 6354G3VT3	113 7L	-PIONEER 36V53	102 8E,9
				PIONEER 35F44	105 7E
DAIRYLAND		HYLAND SEEDS		PIONEER P0541XR	105 8L
DAIRYLAND Hi DF-3187-7	87 10	-HYLAND SEEDS HLB42R	95 9	PIONEER 35A34	106 7E,8L
DAIRYLAND Hi DF-3195-Q	95 9	HYLAND SEEDS HLCV74	100 8E	PIONEER 34A89	109 7E,8L
-DAIRYLAND STEALTH-9196	96 9	-HYLAND SEEDS HLB77R	108 8L	PIONEER P1011XR	110 7E
-DAIRYLAND STEALTH-1898	98 9			PIONEER 33D14	113 7L
DAIRYLAND Hi DF-3000-9	100 8E	LEGACY SEEDS		PIONEER 33F88	114 7L
-DAIRYLAND STEALTH-9703Q	103 8E	-LEGACY SEEDS L-5350 3000GT	104 8E		
DAIRYLAND Hi DF-3105-Q	105 8L	-LEGACY SEEDS L-5309 3000GT	106 8L	RENK	
DAIRYLAND STEALTH-9208Q	106 8L			-RENK RK302GTCBLL	89 9
DAIRYLAND EXP-10801	108 7E,8L	MYCOGEN		-RENK RK563CBLLRW	98 8E,9
-DAIRYLAND STEALTH-1809	109 8L	MYCOGEN 2C302	89 10	-RENK RK565GTCBLLRW	99 8E,9
DAIRYLAND Hi DF-3110-6	111 7L,8L	MYCOGEN TMF2Q298	89 10	-RENK RK698VT3	103 8E
DAIRYLAND STEALTH-6213	111 7L	MYCOGEN F2F488	98 9		
		MYCOGEN TMF2R522	98 9	STEWART SEEDS	
DYNAGRO		MYCOGEN TMF2L533	101 9	STEWART SEEDS 7T630	109 7E,8L
DYNAGRO D34VN19	94 8E,9	MYCOGEN 2W587	104 8E	STEWART 7V828	111 7L
DYNAGRO D39QN29	99 9	MYCOGEN F2F569	105 8L	STEWART SEEDS 8T468	116 7L
-DYNAGRO D40SS09	101 8E,9	MYCOGEN F2F622	109 8L		
-DYNAGRO D45Q50	105 8L	MYCOGEN F2F665	109 7E	WOLF RIVER VALLEY	
-DYNAGRO 56R60	107 7E	MYCOGEN TMF2Q717	109 7E	WOLF RIVER VALLEY WRV 2087L	87 10
DYNAGRO V4884HXTRNS	108 8L	MYCOGEN TMF2W727	113 7L	WOLF RIVER VALLEY WRV 2096L	96 10
DYNAGRO V5294HXTRNS	112 7L			WOLF RIVER VALLEY WRV 2702L	100 9
G2 GENETICS		NK Brand			
-G2 GENETICS 5H-891 RR/HX	91 10	-NK Brand N29T-3000GT Brand	92 9		
G2 GENETICS 5X-100 RR/HXT	100 9	-NK Brand N53W-3000GT Brand	105 7E,8L		
-G2 GENETICS 5H-005 RR/HX	105 8L	NK Brand N73V-3000GT Brand	113 7L		
-G2 GENETICS 5H-007 RR/HX	107 7E,8L				
G2 GENETICS 5H-609 RR/HX	109 7E				
-G2 GENETICS 5X-209 RR/HXT	109 8L				
-G2 GENETICS 5X-711 RR/HXT	111 7L				
G2 GENETICS 5H-515 RR/HX	115 7L				
G2 GENETICS 5H-516 RR/HX	116 7L				

~ Denotes hybrids that were entered into the Grain and Silage Trials.

TABLE 7E.

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

ZONE 1

2010				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	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
AGRGOLD A6458VT3	109	P250	1,2,3	38.1	21.3	8.1	100	82.3	21.8	41.5	57.0	6.1	38.1	3193	25711	42.2	19.8	8.3	99	81.1	20.6	39.9	52.6	5.7	48.9	3237	26971
AGRGOLD A6476VT3	110	P250	1,2,3	39.6	21.0	8.3	96	79.9	23.0	45.0	55.3	5.7	37.5	3172	26299	44.1	19.1	8.4	94	79.0	22.1	43.3	51.4	5.4	40.5	3083	25809
BECK 5354HXR1M*	107		1,2,3,4	42.0	20.4	8.5	99	80.7	23.7	44.9	56.9	5.8	38.0	3211	27361	46.5	18.4	8.5	99	79.7	23.3	44.9	54.5	5.3	41.7	3103	26531
BECK 5442VT3	110		1,2,3	42.9	19.9	8.5	99	81.6	20.8	41.2	54.9	5.9	40.4	3301	27961	47.4	18.0	8.5	99	81.2	18.1	36.6	48.4	5.5	45.8	3277	27913
DAIRYLAND EXP-10801	108	C250	2,3,4	39.2	20.3	7.9	100	80.8	22.5	44.5	56.9	5.9	37.1	3222	25476	42.0	18.4	7.7	100	77.8	24.5	46.4	52.2	5.1	37.9	2985	22757
DYNAGRO 56R60	107		1,2,3,4	38.7	18.9	7.3	100	79.5	24.1	47.1	55.6	6.0	33.4	3084	22441	43.0	17.6	7.6	99	80.1	19.2	37.9	47.5	5.4	45.7	3200	24229
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	43.2	19.0	8.2	96	82.7	19.5	38.8	55.2	6.0	42.8	3380	27623	47.2	17.9	8.5	97	81.9	18.2	36.3	50.0	5.6	46.5	3317	28025
G2 GENETICS 5H-609 RR/HX	109	C250	1,2,4	45.0	18.3	8.4	96	80.7	21.7	42.7	54.5	6.0	39.1	3235	27076	43.7	18.6	8.2	98	80.3	19.9	39.3	49.8	5.6	43.3	3201	26128
GARST 84U58-3000GT Brand	110	C250	1,2,3,4	37.4	20.5	7.7	98	81.0	24.0	46.2	58.6	5.8	33.4	3193	24412	41.6	18.7	7.8	96	79.6	21.9	42.3	51.8	5.3	41.6	3129	24393
GOLDEN HARVEST H-8672 3000GT Brand	109	C250	1,2,3,4	40.6	20.5	8.3	99	83.3	20.2	40.5	58.8	5.9	40.3	3403	28179	44.3	18.7	8.3	97	82.7	19.4	38.4	55.1	5.6	44.8	3346	27715
GREAT LAKES 5939G3VT3	109	P250	1,2,3	37.0	21.1	7.7	99	80.2	23.9	46.1	56.5	5.9	34.7	3182	24914	42.0	18.9	8.0	98	78.8	21.3	40.7	47.8	5.2	42.8	3099	24781
MYCOGEN F2F665	109	C250	1,2,3,4,7	37.5	17.3	6.5	99	82.0	26.2	51.1	64.5	6.7	26.7	3129	19599	44.1	15.8	7.0	98	79.6	24.8	47.9	57.2	6.4	39.8	3058	21279
MYCOGEN TME2Q717	109	C250	1,2,3,4	39.9	20.4	8.0	100	79.3	25.0	47.7	56.3	6.0	33.4	3113	25092	42.8	18.8	8.0	100	79.4	22.0	42.5	51.5	5.8	39.8	3113	25022
NK Brand N53W 3000GT Brand	105	C250	1,2,3,4	43.8	18.9	8.2	100	82.5	20.3	38.0	54.0	6.0	42.4	3377	27720	45.3	19.4	8.8	100	82.4	18.9	36.2	51.2	5.8	45.1	3346	29232
PIONEER 34A89	109	C250	1,2,3,4,12	40.5	19.7	8.0	99	81.9	22.1	44.4	58.9	6.0	37.2	3285	26180	44.8	16.8	7.5	99	81.6	19.8	40.4	54.2	6.0	43.4	3257	24536
PIONEER 35A34	106	C250	1,2,3,4,11,13	42.1	19.7	8.2	100	81.5	21.4	42.6	56.2	6.3	39.1	3281	26723	46.5	16.7	7.8	99	82.6	17.8	36.9	52.8	6.0	45.3	3352	26036
PIONEER 35F44	105	C250	1,2,3,4,11,12	40.7	17.7	7.2	99	82.0	21.4	41.3	56.2	6.1	37.5	3253	22874	43.9	16.2	7.1	100	83.4	17.6	35.7	53.3	5.5	46.9	3411	24300
PIONEER P0125HR	101	P1250	1,2,4,11,13	49.6	16.0	7.8	100	81.5	20.2	40.0	53.4	6.0	42.9	3305	26456	49.6	14.2	7.0	99	81.1	18.6	36.6	48.2	5.5	47.9	3267	25030
PIONEER P1011XR	110	C250	1,2,3,4	45.1	19.5	8.8	99	80.9	22.6	43.0	55.2	6.1	37.8	3221	28288	42.9	20.6	9.0	99	80.6	22.2	39.2	50.4	5.7	41.8	3145	28427
STEWART SEEDS 7T630	109	P250	1,2,3	41.1	19.3	8.0	100	82.1	20.4	40.9	56.0	5.8	40.8	3333	26598	44.9	17.6	7.9	99	81.3	19.3	38.7	51.5	5.5	45.1	3262	25802
AVERAGE				41.2	19.5	8.0	98.9	81.3	22.2	43.4	56.6	6.0	37.6	3244	25849	44.4	18.0	8.0	98.4	80.7	20.5	40.0	51.6	5.6	43.7	3209	25746
HIGHEST				49.6	21.3	8.8	100.0	83.3	26.2	51.1	64.5	6.7	42.9	3403	28288	49.6	20.6	9.0	100.1	83.4	24.8	47.9	57.2	6.4	48.9	3411	29232
LOWEST				37.0	16.0	6.5	95.6	79.3	19.5	38.0	53.4	5.7	26.7	3084	19599	41.6	14.2	7.0	93.8	77.8	17.6	35.7	47.5	5.1	37.9	2985	21279
CV (%)				7.4	7.7	9.6	2.1	2.2	10.3	8.5	5.3	5.6	9.8	4	11	4.9	7.6	9.3	2.8	2.6	12.5	9.8	6.7	7.0	9.9	5	11
LSD (5%)				2.4	1.2	0.6	1.6	1.5	1.9	3.0	2.4	0.3	3.0	109	2277	3.1	1.9	1.1	3.9	3.0	3.6	5.5	4.9	0.6	6.1	227	4081

2 Year Averages 2010 - 2009				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	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 5442VT3	110		1,2,3	39.1	21.2	8.2	98	82.2	21.8	43.3	58.3	6.0	35.6	3274	27010	41.3	20.8	8.4	99	82.8	18.8	38.0	54.5	6.2	42.4	3391	28461
PIONEER 34A89	109	C250	1,2,3,4,12	37.5	21.6	8.0	98	81.8	23.6	46.3	60.5	5.9	34.3	3280	26283	38.2	20.8	7.7	99	82.5	21.0	42.5	58.4	6.5	37.9	3330	25583
PIONEER 35F44	105	C250	1,2,3,4,11,12	38.5	20.0	7.7	99	82.7	21.6	42.3	58.9	6.2	36.9	3336	25349	39.7	20.1	7.8	99	84.4	18.6	37.6	58.0	6.1	43.8	3485	27180
STEWART SEEDS 7T630	109	P250	1,2,3	38.9	21.0	8.1	99	82.4	21.2	42.4	58.4	5.9	38.2	3356	27286	40.3	19.7	7.8	98	82.8	19.5	39.8	56.5	6.3	41.3	3371	26423
AVERAGE				38.5	21.0	8.0	98.3	82.3	22.0	43.6	59.0	6.0	36.2	3311	26482	39.9	20.3	7.9	98.9	83.1	19.5	39.5	56.8	6.3	41.3	3394	26912
HIGHEST				39.1	21.6	8.2	98.9	82.7	23.6	46.3	60.5	6.2	38.2	3356	27286	41.3	20.8	8.4	99.3	84.4	21.0	42.5	58.4	6.5	43.8	3485	28461
LOWEST				37.5	20.0	7.7	97.6	81.8	21.2	42.3	58.3	5.9	34.3	3274	25349	38.2	19.7	7.7	98.3	82.5	18.6	37.6	54.5	6.1	37.9	3330	25583
CV (%)				7.0	7.3	9.2	2.3	2.2	10.2	8.2	4.8	6.2	10.2	4	11	4.3	6.6	8.0	2.8	2.1	10.9	8.8	5.2	6.9	9.2	4	10
LSD (5%)				2.3	1.2	0.6	1.8	1.4	1.8	2.9	2.2	0.3	3.0	108	2222	1.8	1.2	0.6	2.7	1.7	2.2	3.5	2.8	0.4	3.9	128	2487

2010										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	NDFFD	CP	STR	MK/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A		
AGRI GOLD A6458VT3	109	P250	1,2,3	35.2	22.1	7.7	100	83.8	22.2	41.1	59.8	7.0	25.5	37.0	21.9	8.1**	100	82.0	22.4	43.7	58.6	5.5	39.8	3328	27021				
AGRI GOLD A6476VT3	110	P250	1,2,3	38.9	23.8	9.3*	99	82.2	20.2	40.7	56.3	6.5	40.7	35.7	20.1	7.2*	96	78.7	26.6	51.0	58.2	5.4	31.5	3084	22127				
BECK 5354HXRTM*	107		1,2,3,4	41.2	22.7	9.3*	97	82.0	23.6	42.6	57.5	6.4	37.6	38.2	20.1	7.7*	100	80.4	24.3	47.4	58.7	5.6	34.8	3210	24603				
BECK 5442VT3	110		1,2,3	44.7	20.9	9.2*	99	83.1	19.9	40.1	57.8	6.3	39.2	36.5	20.8	7.6*	100	80.6	24.4	46.9	58.6	5.9	36.1	3221	24591				
DAIRYLAND EXP-10801	108	C250	2,3,4	38.1	22.1	8.4*	99	82.6	20.4	40.9	57.1	6.5	38.9	37.5	20.5	7.7*	100	82.2	22.6	46.2	61.4	6.0	34.4	3314	25467				
DYNAGRO 56R60	107		1,2,3,4	36.0	20.5	7.3	100	78.8	21.7	53.2	59.9	6.8	20.6	29.06	18.6	6.9	100	79.7	25.4	50.1	59.5	5.8	33.9	3147	21691				
G2 GENETICS 5H-007RRHX	107	C250	1,2,4	43.6	19.6	8.5*	99	82.2	20.2	40.1	55.6	6.6	39.7	38.8	19.6	7.6*	91	84.0	20.1	40.1	60.1	5.9	42.1	3469	26374				
G2 GENETICS 5H-609RRHX	109	C250	1,2,4	52.1	17.7	9.5**	98	81.5	20.7	41.0	54.8	6.6	40.4	39.3	18.7	7.4*	94	80.3	24.5	47.9	58.9	5.8	33.7	3199	23692				
GARST 84U58-3000GT Brand	110	C250	1,2,3,4	34.1	22.4	7.7	98	82.0	25.6	49.1	63.3	6.6	23.1	31.84	24.395	7.5*	100	81.5	24.4	47.4	60.8	5.5	35.5	3267	24448				
GOLDEN HARVEST H-8672 3000GT Brand	109	C250	1,2,3,4	40.5	22.0	8.9*	100	84.0	20.2	40.8	60.6	6.4	37.8	34.48	20.57	7.7*	100	83.3	21.1	42.4	60.7	5.7	38.4	3413	26264				
GREAT LAKES 5939G3VT3	109	P250	1,2,3	32.9	23.8	7.8	100	81.3	26.5	50.9	63.3	7.0	26.3	32.14	25.918	7.4*	100	80.7	23.9	46.6	58.5	5.5	35.1	3233	24044				
MYCOGEN F2F665	109	C250	1,2,3,4,7	34.0	17.3	6.1	99	84.2	21.4	53.4	70.4	7.3	12.7	30.66	16.472	6.5	100	82.3	26.3	52.0	65.9	6.5	27.7	3262	21048				
MYCOGEN TMF2Q717	109	C250	1,2,3,4	39.7	23.4	9.0*	100	80.4	24.2	46.3	57.5	6.3	33.6	31.98	28.780	7.1	100	78.3	28.8	54.4	60.0	5.8	26.9	3028	21473				
NK Brand N53W 3000GT Brand	105	C250	1,2,3,4	47.0	16.8	7.8	100	83.4	19.1	38.8	57.2	6.5	40.0	34.35	26.793	8.1**	100	81.8	23.0	39.1	53.5	5.7	42.2	3350	27133				
PIONEER 34A89	109	C250	1,2,3,4,12	40.0	22.8	9.1*	100	82.7	21.1	42.8	59.7	6.7	37.6	33.60	30.721	7.2*	100	81.4	25.5	50.2	62.9	5.4	30.7	3238	23281				
PIONEER 35A34	106	C250	1,2,3,4,11,13	43.1	21.8	9.1*	100	80.9	21.9	43.3	55.9	6.6	36.2	32.54	29.599	7.6*	100	81.0	24.4	47.5	59.9	6.3	35.9	3236	24533				
PIONEER 35F44	105	C250	1,2,3,4,11,12	39.7	18.0	7.3	98	80.6	24.5	44.9	56.5	6.9	25.7	30.06	19.961	7.3*	100	82.2	22.0	43.3	58.9	5.8	39.9	3344	24362				
PIONEER P0125HR	101	P1250	1,2,4,11,13	59.0	15.0	8.8*	100	82.0	19.0	38.1	52.5	6.6	43.6	33.54	29.327	7.6*	100	81.6	23.1	45.4	59.5	6.0	37.2	3293	25012				
PIONEER P1011XR	110	C250	1,2,3,4	53.3	17.6	9.3*	99	81.7	20.3	40.8	55.1	6.8	40.1	33.17	30.895	8.0*	100	80.5	25.3	49.1	60.3	5.8	31.6	3201	25541				
STEWART SEEDS 7T630	109	P250	1,2,3	42.1	21.7	9.2*	100	84.0	17.9	36.7	56.4	6.2	43.0	34.88	31.955	6.8	100	81.1	24.0	47.3	60.1	5.7	34.4	3249	22037				
AVERAGE				41.8	20.6	8.5	99.2	82.2	22.1	43.3	58.3	6.6	34.1	32.67	27.565	7.4	99.0	81.2	24.1	46.9	59.7	5.8	35.1	3254	24237				
HIGHEST				59.0	23.8	9.5	100.0	84.2	21.7	53.4	70.4	7.3	43.6	34.88	31.955	8.1	100.0	84.0	28.8	54.4	65.9	6.5	42.2	3469	27133				
LOWEST				32.9	15.0	6.1	97.4	78.8	17.9	36.7	52.5	6.2	12.7	29.06	16.472	6.5	90.7	78.3	20.1	39.1	53.5	5.4	26.9	3028	21048				
CV (%)				10.7	9.6	10.5	1.6	2.0	9.9	9.4	4.8	4.9	10.5	4	11	9.0	1.6	2.0	8.9	6.3	4.5	4.9	8.8	3	11				
LSD (5%)				6.3	2.8	1.3	2.2	2.3	3.1	5.8	3.9	0.5	5.1	189	4201	0.9	2.2	2.3	3.0	4.2	3.8	0.4	4.4	154	3787				

2 Year Averages 2010 - 2009										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	NDFFD	CP	STR	MK/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A		
BECK 5442VT3	110		1,2,3	37.6	21.5	8.0*	97	82.2	23.5	46.4	61.0	6.1	28.1	31.43	25.440	8.2**	97	81.6	23.2	45.5	59.5	5.6	36.2	3287	27129				
PIONEER 34A89	109	C250	1,2,3,4,12	37.5	23.0	8.6**	98	82.6	22.9	45.4	61.7	6.2	33.6	33.49	28.885	7.7*	97	80.2	26.8	51.2	61.4	5.1	31.4	3161	24382				
PIONEER 35F44	105	C250	1,2,3,4,11,12	37.3	19.8	7.4	98	82.5	22.8	43.7	59.9	6.7	30.4	32.55	23.218	7.8*	99	81.3	23.4	45.7	59.0	5.8	36.4	3269	25649				
STEWART SEEDS 7T630	109	P250	1,2,3	38.7	22.3	8.6**	99	83.6	20.2	40.7	59.4	6.1	38.5	34.56	29.821	7.9*	99	81.0	23.9	46.8	59.3	5.4	34.7	3242	25616				
AVERAGE				37.8	21.6	8.2	98.0	82.7	22.4	44.1	60.5	6.3	32.7	33.01	26.841	7.9	98.1	81.0	24.3	47.3	59.8	5.5	34.7	3240	25694				
HIGHEST				38.7	23.0	8.6	98.9	83.6	23.5	46.4	61.7	6.7	38.5	34.56	29.821	8.2	99.4	81.6	26.8	51.2	61.4	5.8	36.4	3287	27129				
LOWEST				37.3	19.8	7.4	96.5	82.2	20.2	40.7	59.4	6.1	28.1	31.43	23.218	7.7	96.8	80.2	23.2	45.5	59.0	5.1	31.4	3161	24382				
CV (%)				8.5	8.9	9.1	2.3	1.8	8.9	8.0	4.1	6.0	12.0	4	10	0.7	2.2	2.4	10.4	7.5	4.0	7.1	10.1	4	12				
LSD (5%)				3.4	1.8	0.8	2.2	1.5	2.0	3.5	2.4	0.4	4.0	137	2744	0.7	2.2	1.9	2.5	3.5	2.3	0.4	3.5	131	2835				

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

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

BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE											BRANCH - LATE												
				YIELD					% QUALITY						YIELD					% QUALITY							
				%DM	GT/TA	DT/TA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/TA	MK/A	%DM	GT/TA	DT/TA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/TA	MK/A
2010																											
AGRIGOLD A6489VT3	111	P250	1,2,3	40.4	18.9	7.7	100	82.2	20.9	42.0	57.3	5.9	38.8	3326	25512	39.9	17.1	6.8	100	81.3	20.0	40.2	53.5	5.5	42.3	3257	22212
AGRIGOLD A6533VT3	113	P250	1,2,3	40.7	18.2	7.3	100	81.5	21.6	41.5	55.1	6.1	37.2	3250	23800	45.6	15.6	7.0	99	81.9	17.7	36.0	49.7	5.6	45.5	3331	23441
BECK 6733HXR™	113		1,2,3,4	39.4	20.6	8.0*	100	81.9	22.1	42.6	57.1	6.0	37.2	3306	26658	43.3	17.3	7.5	99	81.3	21.6	40.0	53.2	5.4	42.7	3259	24331
DAIRYLAND HI DF-3110-6	111	C250	1	38.5	18.6	7.2	99	81.0	23.7	46.3	58.0	6.1	29.8	2960	21575	48.1	18.2	8.8**	99	80.6	18.9	38.2	49.2	5.4	46.0	3239	28331
DAIRYLAND STEALTH-6213	111	C250	1	49.7	16.0	7.7	100	81.6	20.5	41.0	55.0	5.8	41.4	3305	25473	51.4	15.7	7.9*	100	80.4	20.4	40.7	51.8	5.1	42.8	3203	25294
DYNAGRO V5294HXRNS	112		1,2,3,4	43.0	18.8	8.0*	100	81.6	22.1	44.0	57.9	5.8	37.7	3260	26242	45.1	17.5	7.9*	99	79.8	21.4	42.0	51.9	5.1	40.2	3156	24966
G2 GENETICS 5H-515 RR/HX	115	C250	1,2,4	41.6	17.4	7.1	99	82.8	20.7	41.0	57.7	6.1	39.6	3372	23890	44.7	16.6	7.2	97	82.9	19.0	36.8	53.4	6.0	45.5	3381	24148
G2 GENETICS 5H-516 RR/HX	116	C250	1,2,4	39.0	20.4	8.0*	100	80.9	24.0	46.6	58.8	5.6	32.9	3214	25607	41.5	18.4	7.7	99	79.7	23.1	44.6	54.4	4.8	38.3	3121	23870
G2 GENETICS 5X-711 RR/HXT	111	C250	1,2,3,4	43.3	19.9	8.5**	96	82.3	20.7	41.5	57.2	5.8	39.3	3339	28580	47.5	16.2	7.7	96	81.4	19.9	40.2	53.8	5.2	42.8	3264	25068
GARST 83C55-3000GT Brand	114	C250	1,2,3,4	38.7	20.6	7.9	99	82.6	21.2	41.9	58.1	5.7	36.0	3277	25772	42.7	17.4	7.4	97	81.5	19.6	39.1	52.6	5.3	42.0	3277	24271
GOLDEN HARVEST H-8952 3000GT Brand	111	C250	1,2,3,4	41.1	19.3	7.9	100	80.6	21.9	42.6	53.8	5.9	37.6	3233	25482	45.2	16.4	7.4	100	81.4	19.3	38.2	51.0	5.4	43.8	3279	24281
GREAT LAKES 6229G3VT3	112	P250	1,2,3	43.7	18.4	7.9	100	80.5	21.9	42.2	53.5	5.7	42.0	3236	25517	47.4	16.3	7.7	99	81.1	17.9	36.0	47.5	4.9	48.4	3287	25152
GREAT LAKES 6354G3VT3	113	P250	1,2,3	40.4	19.2	7.7	100	80.1	23.0	45.8	55.9	5.9	35.9	3177	24328	45.8	16.2	7.5	100	80.7	19.4	38.7	50.1	5.6	43.1	3236	24134
MYCOGEN TMF2W727	113	C250	1,2,3,4	37.1	22.1	8.2*	97	81.7	23.2	45.2	59.1	6.0	34.0	3274	26913	39.8	20.3	8.1*	92	82.8	19.2	38.3	54.9	5.4	43.2	3359	27268
NK Brand N73V 3000GT Brand	113	C250	1,2,3,4	40.9	20.5	8.3*	100	81.4	22.5	43.9	57.5	5.7	37.9	3270	27000	46.9	17.4	8.2*	99	81.5	20.2	40.1	53.8	5.0	43.7	3270	26637
NuTech 5N-215 G1C/BL/RW	115	C250	1,2,3,4	45.6	14.1	6.4	100	83.4	19.5	39.8	57.9	5.4	40.3	3415	21961	51.5	12.6	6.5	100	84.7	16.1	34.2	54.9	6.2	47.7	3505	24810
PIONEER 33D14	113	C250	1,2,3,4,12	42.1	19.3	8.0*	98	81.6	23.4	44.0	57.8	5.6	36.0	3253	26066	47.3	16.9	8.0*	95	84.1	17.3	35.7	55.3	5.5	46.6	3460	27483
PIONEER 33F88	114	C250	1,2,3,4,11,13	40.2	19.8	7.9	99	82.9	21.6	43.2	60.1	5.9	36.8	3359	26661	44.7	16.6	7.3	100	83.2	18.9	38.9	56.8	5.4	42.3	3379	24752
STEWART 7V828	111		1,2,3	43.1	19.0	8.2*	100	81.4	21.5	42.1	55.6	5.7	39.8	3287	26900	47.8	15.9	7.6	100	81.6	19.8	39.4	53.3	5.6	43.2	3283	24872
STEWART SEEDS 8T468	116	P250	1,2,3	43.9	19.5	8.4*	100	83.0	19.1	38.9	56.1	5.8	41.9	3400	28608	46.6	16.6	7.7	100	82.1	18.7	38.2	53.2	5.4	44.0	3323	25720
AVERAGE				41.6	19.0	7.8	99.2	81.7	21.8	42.8	57.0	5.9	37.6	3276	25627	45.6	16.7	7.6	98.4	81.7	19.4	38.8	52.7	5.4	43.7	3293	24952
HIGHEST				49.7	22.1	8.5	100.0	83.4	24.0	46.6	60.1	6.4	42.0	3415	28608	51.5	20.3	8.8	100.0	84.7	23.1	44.6	56.8	6.2	48.4	3505	28331
LOWEST				37.1	14.1	6.4	96.2	80.1	19.1	38.9	53.5	5.6	29.8	2960	21575	39.8	12.6	6.5	91.7	79.7	16.1	34.2	47.5	4.8	38.3	3121	22212
CV(%)				6.0	7.6	8.2	2.2	2.1	10.6	9.0	12.9	5.9	9.7	4	9	4.4	7.6	8.9	3.4	1.8	10.2	8.7	3.4	6.2	7.6	3	10
LSD (5%)				2.0	1.2	0.5	1.7	1.4	1.9	3.1	65.1	0.3	2.9	104	1943	2.8	1.8	1.0	4.7	2.1	2.8	4.8	2.6	0.5	4.7	162	3361

BRAND / HYBRID	RM	TRT	TRAIT	LATE - TRIAL AVERAGE											BRANCH - LATE												
				YIELD					% QUALITY						YIELD					% QUALITY							
				%DM	GT/TA	DT/TA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/TA	MK/A	%DM	GT/TA	DT/TA	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/TA	MK/A
2 Year Averages 2010 - 2009																											
AGRIGOLD A6489VT3	111	P250	1,2,3	38.1	22.5	8.5*	99	82.0	22.2	44.2	59.2	6.0	36.2	3318	28077	35.9	21.9	7.7*	100	82.3	20.6	41.5	57.1	6.2	39.3	3331	25648
AGRIGOLD A6533VT3	113	P250	1,2,3	37.4	21.4	7.8	99	81.4	22.4	43.5	57.0	6.2	35.7	3265	25602	38.6	20.1	7.4	99	82.5	19.5	39.2	54.8	6.3	41.6	3364	24872
BECK 6733HXR™	113		1,2,3,4	36.6	22.8	8.2*	97	82.0	22.8	44.3	59.1	6.3	34.9	3312	27286	37.9	20.3	7.5	97	82.3	21.3	41.3	57.0	6.5	39.2	3333	24966
DYNAGRO V5294HXRNS	112		1,2,3,4	39.7	22.2	8.6*	96	82.8	21.1	42.7	59.7	6.4	38.1	3363	29065	38.7	22.5	8.4**	97	81.8	20.9	42.3	56.9	6.5	38.5	3293	27716
GREAT LAKES 6354G3VT3	113	P250	1,2,3	38.0	21.6	8.1	98	81.0	22.9	45.2	57.8	6.1	34.8	3241	26302	39.4	20.6	7.8*	99	82.3	19.3	39.0	54.5	6.5	41.9	3351	26261
PIONEER 33D14	113	C250	1,2,3,4,12	38.1	22.3	8.3*	98	81.4	24.9	46.9	60.1	5.8	33.2	3247	26954	39.1	21.2	7.9*	95	83.4	20.5	40.8	58.8	6.2	40.0	3403	26965
PIONEER 33F88	114	C250	1,2,3,4,11,13	37.7	22.3	8.3*	98	83.3	21.8	43.7	61.8	6.0	36.6	3394	28131	38.0	21.6	7.8*	100	83.5	20.5	41.7	60.0	6.1	39.0	3398	26555
STEWART SEEDS 8T468	116	P250	1,2,3	40.0	22.3	8.7**	99	83.4	19.9	40.6	58.9	5.9	40.0	3426	29920	39.7	21.1	8.0*	100	82.5	19.7	40.0	56.1	6.0	41.4	3360	27035
AVERAGE				38.2	22.2	8.3	98.0	82.2	22.2	43.9	59.2	6.1	36.2	3321	27667	39.4	21.2	7.8	98.4	82.6	20.3	40.7	56.9	6.3	40.1	3354	26252
HIGHEST				40.0	22.8	8.7	99.3	83.4	24.9	46.9	61.8	6.4	40.0	3426	29920	39.7	22.5	8.4	100.0	83.5	21.3	42.3	60.0	6.5	41.9	3403	27716
LOWEST				36.6	21.4	7.8	96.3	81.0	19.9	40.6	57.0	5.8	33.2	3241	25602	35.9	20.1	7.4	95.4	81.8	19.3	39.0	54.5	6.0	38.5	3293	24872
CV(%)				6.3	6.9	8.1	2.6	2.3	10.8	9.0	11.3	6.7	10.4	4	10	4.9	7.8	8.6	2.9	1.8	10.1	8.2	3.2	7.3	8.2	3	10
LSD (5%)				2.0	1.2	0.5	2.1	1.5	1.9	3.1	56.2	0.3	3.1	108	2093	2.0	1.5	0.7	2.8	1.4	2.0	3.2	1.8	0.4	3.4	106	2531

2010				LENAAWEE - LATE										WOOD (OHIO) - LATE													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% QUALITY					YIELD					% QUALITY								
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	IVD	ADF	NDF	NDFFD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD
				MILK 2006										MILK 2006													
				MK/IT	MK/A			IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A			IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A		
AGRICOLD A6489VT3	111	P250	1,2,3	43.0	20.5	8.7	100	83.7	18.4	38.0	57.0	6.5	40.5	3453	30132	38.5	19.2	7.4	100	81.5	24.4	48.0	61.5	5.7	33.5	3269	24192
AGRICOLD A6533VT3	113	P250	1,2,3	36.2	19.7	7.1	100	82.6	22.0	41.0	57.4	7.0	31.3	3225	22866	40.3	19.4	7.9	100	80.0	25.0	47.6	58.1	5.7	35.0	3194	25093
BECK 6733HXR TM*	113		1,2,3,4	39.1	23.8	9.3	100	83.6	19.0	38.3	57.0	6.5	39.8	3445	31943	35.8	20.6	7.4	100	80.7	25.7	49.5	61.1	6.0	29.3	3213	23699
DAIRYLAND HI DF-3110-6	111	C250	1	30.9	17.8	5.6	100	81.9	28.0	53.1	66.0	6.9	9.0	2424	13421	36.4	19.7	7.2	98	80.5	24.3	47.6	59.0	6.1	34.4	3216	22973
DAIRYLAND STEALTH-6213	111	C250	1	55.7	13.2	7.3	100	83.4	18.2	37.1	55.0	6.4	43.9	3441	25018	42.1	19.0	8.0	100	81.1	23.0	45.2	58.2	6.0	37.6	3271	26106
DYNAGRO V5294HXRNS	112		1,2,3,4	44.8	18.4	8.2	100	82.4	21.4	43.3	59.2	6.5	38.4	3282	26934	39.1	20.5	8.0	100	82.6	23.7	46.6	62.7	6.0	34.6	3342	26825
G2 GENETICS 5H-515 RR/HX	115	C250	1,2,4	41.6	16.7	6.8	99	83.6	19.0	38.7	57.4	6.6	39.4	3441	23385	38.4	19.0	7.3	100	81.9	24.0	47.7	62.2	5.9	34.0	3296	24136
G2 GENETICS 5H-516 RR/HX	116	C250	1,2,4	37.5	22.3	8.3	100	82.6	23.1	44.9	61.2	6.5	29.9	3328	27732	38.2	20.6	7.9	100	80.4	25.9	50.1	60.9	5.5	30.6	3193	25218
G2 GENETICS 5X-711 RR/HXT	111	C250	1,2,3,4	42.0	23.1	9.7	98	83.5	18.8	38.2	56.8	6.4	41.0	3442	33306	40.4	20.5	8.3	94	82.0	23.3	46.2	61.1	5.8	34.2	3311	27367
GARST 83C55-3000GT Brand	114	C250	1,2,3,4	36.5	24.3	8.7	99	84.0	20.5	40.4	61.3	6.2	30.5	3227	28046	37.0	20.2	7.5	100	82.3	23.6	46.2	61.6	5.6	35.6	3327	25001
GOLDEN HARVEST H-8952 3000GT Brand	111	C250	1,2,3,4	43.4	21.3	9.1	99	80.1	20.4	39.9	50.0	6.3	39.1	3229	29438	34.7	20.4	7.1	100	80.4	26.0	49.8	60.5	6.0	29.9	3191	22727
GREAT LAKES 6229G3VT3	112	P250	1,2,3	46.5	18.0	8.2	100	80.5	23.7	44.7	56.5	6.3	41.8	3217	26542	37.3	20.8	7.8	100	80.0	24.1	46.0	56.5	5.9	35.9	3203	24856
GREAT LAKES 6354G3VT3	113	P250	1,2,3	35.6	22.5	8.0	99	81.4	21.6	46.7	59.9	6.9	33.9	3244	25879	39.7	19.0	7.6	100	78.1	28.0	52.0	57.7	5.1	30.9	3050	22971
MYCOGEN TMF2W7Z7	113	C250	1,2,3,4	39.7	24.3	9.6	100	83.0	22.4	44.0	61.3	6.7	32.6	3356	32146	31.9	21.5	6.9	100	79.4	28.2	53.3	61.3	6.0	26.3	3106	21324
NK Brand N73V 3000GT Brand	113	C250	1,2,3,4	37.1	23.9	8.8	100	81.1	23.1	44.3	57.5	6.2	34.7	3255	28751	38.9	20.1	7.8	100	81.7	24.2	47.4	61.3	5.7	35.2	3284	25611
NuTech 5N-215 GT/CB/LL/RW	115	C250	1,2,3,4	41.9	13.2	5.7	100	83.2	20.6	41.3	59.2	7.0	34.9	3395	19382	43.3	16.4	7.1	100	82.2	21.9	43.9	59.5	6.1	38.3	3345	23692
PIONEER 33D14	113	C250	1,2,3,4,12	40.8	22.1	8.8	100	80.8	25.4	44.6	56.9	6.0	32.1	3147	27716	38.3	19.4	7.3	100	79.9	27.4	51.8	61.2	5.5	29.2	3150	22999
PIONEER 33F88	114	C250	1,2,3,4,11,13	38.8	23.3	9.2	98	84.5	19.9	39.9	61.0	6.2	38.1	3481	31939	37.3	19.4	7.2	99	81.1	26.1	50.8	62.7	6.0	30.0	3232	23293
STEWART 7V828	111		1,2,3	43.3	22.6	9.7	99	82.7	19.2	38.1	54.5	6.1	42.0	3396	33028	38.3	18.6	7.2	100	80.0	25.6	48.8	59.0	5.5	34.3	3184	22800
STEWART SEEDS 8T468	116	P250	1,2,3	43.6	22.0	9.2	100	83.8	17.6	36.4	55.4	6.2	42.5	3473	31768	41.5	20.0	8.3	100	83.0	21.0	42.2	59.8	5.9	39.4	3404	28334
AVERAGE				40.9	20.6	8.3	99.6	82.6	21.1	41.6	58.0	6.5	35.8	3295	27469	38.4	19.7	7.6	99.6	80.9	24.8	48.0	60.3	5.8	33.4	3238	24461
HIGHEST				55.7	24.3	9.7	100.0	84.5	28.0	53.1	66.0	7.0	43.9	3481	33306	43.3	21.5	8.3	100.0	83.0	28.2	53.3	62.7	6.1	39.4	3404	28334
LOWEST				30.9	13.2	5.6	98.0	80.1	17.6	36.4	50.0	6.0	9.0	2424	13421	31.9	16.4	6.9	93.9	78.1	21.0	42.2	56.5	5.1	26.3	3050	21324
CV (%)				7.9	10.5	9.2	1.1	2.4	10.8	10.3	6.0	5.4	9.6	4	10	5.4	3.6	6.7	1.3	2.2	10.8	8.2	2.7	6.1	12.4	4	9
LSD (5%)				4.6	3.1	1.1	1.6	2.8	3.2	6.1	4.9	0.5	4.9	202	3803	2.9	1.0	0.7	1.9	2.6	3.8	5.6	2.3	0.5	5.8	183	3042

2 Year Averages 2010 - 2009				LENAAWEE - LATE										WOOD (OHIO) - LATE													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% QUALITY					YIELD					% QUALITY								
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	IVD	ADF	NDF	NDFFD	CP	STR	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD
				MILK 2006										MILK 2006													
				MK/IT	MK/A			IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A			IVD	ADF	NDF	NDFFD	CP	STR	MK/IT	MK/A		
AGRICOLD A6489VT3	111	P250	1,2,3	39.5	23.9	9.3	99	83.8	20.0	40.5	59.6	6.1	39.0	3455	32077	38.7	21.7	8.4	99	80.1	25.9	50.7	60.9	5.6	30.3	3167	26505
AGRICOLD A6533VT3	113	P250	1,2,3	34.3	22.3	7.6	99	81.1	23.9	45.3	58.1	6.6	29.7	3197	24148	39.2	21.9	8.6	100	80.6	23.8	46.1	58.0	5.8	35.8	3234	27786
BECK 6733HXR TM*	113		1,2,3,4	35.7	25.3	9.0	96	82.4	22.2	43.7	59.3	6.6	34.0	3351	30062	36.2	22.7	8.2	97	81.3	24.8	48.1	61.1	5.9	31.5	3252	26829
DYNAGRO V5294HXRNS	112		1,2,3,4	40.5	21.8	8.7	96	83.1	21.2	42.9	60.6	6.3	38.1	3372	29268	39.7	22.2	8.8	95	83.6	21.1	43.0	61.7	6.4	37.6	3423	30210
GREAT LAKES 6354G3VT3	113	P250	1,2,3	34.7	23.3	8.0	98	81.6	23.0	47.6	61.2	6.5	29.9	3226	26096	39.9	21.1	8.4	96	79.2	26.3	49.0	57.7	5.1	32.7	3136	26549
PIONEER 33D14	113	C250	1,2,3,4,12	37.0	24.2	8.8	99	81.3	25.4	46.5	59.7	5.9	31.9	3225	28287	38.2	21.5	8.2	99	79.6	28.8	53.4	61.8	5.4	27.9	3113	26510
PIONEER 33F88	114	C250	1,2,3,4,11,13	37.9	23.2	8.9	97	85.2	19.6	39.8	62.7	6.1	40.0	3539	31284	37.1	22.0	8.2	97	81.4	25.3	49.7	62.6	6.0	30.6	3244	26555
STEWART SEEDS 8T468	116	P250	1,2,3	39.4	23.9	9.1	99	84.6	18.6	38.4	59.7	6.1	41.0	3521	32096	40.9	22.1	9.0	99	83.1	21.4	43.3	60.9	5.7	37.5	3396	30627
AVERAGE				37.4	23.5	8.7	97.8	82.9	21.7	43.1	60.1	6.3	35.5	3362	29165	38.7	21.9	8.5	97.7	81.1	24.7	47.9	60.6	5.7	33.0	3246	27584
HIGHEST				40.5	25.3	9.3	99.1	85.2	25.4	47.6	62.7	6.6	41.0	3539	32096	40.9	22.7	9.0	99.7	83.6	28.8	53.4	62.6	6.4	37.6	3423	30627
LOWEST				34.3	21.8	7.6	96.0	81.1	18.6	38.4	58.1	5.9	29.7	3197	24148	36.2	21.1	8.2	95.3	79.2	21.1	43.0	57.7	5.1	27.9	3113	26510
CV (%)				7.6	8.6	8.7	3.0	2.3	10.9	9.4	4.8	7.1	11.3	4	10	6.1	3.8	7.3	3.0	3.0	12.0	9.3	4.7	8.3	13.6	5	11
LSD (5%)				2.9	1.9	0.7	2.9	1.9	2.3	4.0	2.8	0.5	3.9	139	2776	2.3	0.8	0.6	3.0	2.4	2.9	4.4	2.8	0.5	4.5	164	2956

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

TABLE 8E.

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

ZONE 2 - 3

2010				EARLY - TRIAL AVERAGE											ALLEGAN - EARLY												
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/MT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/A
AGRGOLD A63095TX	103	P250	1,2,3	41.4	18.9	7.7	96	80.3	22.8	44.4	55.4	6.0	37.1	3187	24482	39.0	21.1	8.2	93	81.3	19.5	38.6	51.5	6.1	42.5	3272	26802
AGRGOLD A6323G13	103	C250	1,2,3	40.3	19.6	7.9	97	81.5	21.7	42.1	55.9	5.8	37.9	3278	26012	39.6	20.0	8.0	96	83.4	17.9	35.3	52.9	6.0	44.6	3424	27288
CROPLAN S61100VT	105			37.6	19.2	7.2	97	77.4	26.6	49.8	54.1	5.1	28.8	2937	20652	37.5	20.6	7.7	100	79.9	21.1	40.8	50.6	5.4	37.8	3175	24523
DAIRYLAND HI DF-3000-9	100	C250	1,2,3	44.9	16.9	7.5	98	80.1	21.9	44.4	55.1	6.2	38.8	3175	24034	44.7	16.9	7.5	100	80.4	20.8	40.7	52.0	6.2	42.5	3205	24134
DAIRYLAND STEALTH-9703Q	103	C250	1,2,3,4	40.7	17.6	7.1	95	81.5	20.3	40.4	54.1	5.9	40.7	3290	23932	38.5	17.8	6.9	92	82.7	18.6	37.0	53.1	5.9	44.6	3370	25293
DYNAGRO D40SS09	101		1,2,3,4	43.7	18.0	7.8	99	81.7	20.2	42.0	56.3	6.2	40.3	3284	23832	43.8	17.8	7.8	100	84.0	16.8	38.4	57.7	6.5	42.6	3425	26724
DYNAGRO D34VN19	94		1,2,3	45.3	16.1	7.2	97	81.2	21.0	42.8	55.8	6.2	40.1	3252	23572	43.3	16.9	7.3	95	82.7	17.3	36.3	52.1	6.6	45.4	3371	24602
GARST 86J49-3000GT Brand	103	C250	1,2,3,4	43.7	18.4	8.0	97	80.8	21.1	41.6	53.2	5.3	41.0	3240	25972	45.7	18.8	8.6	96	83.9	14.1	31.6	48.7	5.8	50.3	3486	29848
GOLDEN HARVEST H-7891 3000GT Brand	103	C250	2,4	44.1	17.0	7.4	98	82.2	20.9	42.5	57.7	5.7	40.5	3308	24458	38.5	17.4	6.7	100	82.8	19.4	39.2	56.1	6.2	42.2	3353	22272
GREAT LAKES 5306G3VT3	103	P250	1,2,3	44.5	17.5	7.7	97	79.2	22.8	44.4	53.3	5.6	39.4	3178	24801	46.1	20.3	9.3	99	82.1	19.0	37.9	52.7	6.0	44.2	3324	30923
HYLAND SEEDS HLCV74	100	P250	1,2,3	45.9	16.6	7.6	98	80.6	20.9	41.6	53.2	6.5	40.9	3228	24546	47.0	17.3	8.1	96	82.7	17.2	35.3	50.8	6.5	47.0	3381	27307
LEGACY SEEDS L-5350 3000GT	104	C250	1,2,3,4	41.8	19.0	7.9	98	80.9	25.2	46.1	57.9	5.6	35.7	3183	24604	42.4	20.2	8.6	99	83.8	17.7	35.9	54.9	6.2	44.9	3444	29461
MYCOGEN 2W587	104	C250	1,2,3,4	40.1	17.4	6.9	96	80.7	22.1	43.4	55.5	6.1	38.5	3216	22334	37.7	19.1	7.2	98	82.8	18.9	37.7	54.3	6.8	43.5	3366	24060
NuTech 3A-804 GT	104	C250	1	41.1	17.7	7.1	98	79.0	25.2	47.6	55.4	5.5	33.5	3083	22176	37.8	20.5	7.7	100	82.5	19.4	37.6	53.4	5.8	42.5	3352	25877
NuTech 5M-803 GTCBLLRW	103	C250	1,2,3,4	44.2	17.7	7.8	94	79.7	24.2	45.8	55.3	5.5	36.1	3112	24351	42.0	20.4	8.5	94	82.6	18.8	36.6	52.3	5.7	45.9	3368	28738
PIONEER 36V53	102	P1250	1,2,4	45.2	15.8	7.0	89	81.5	23.6	45.9	59.4	5.7	36.1	3234	22738	43.0	16.4	7.1	85	83.7	18.1	37.5	56.5	6.2	44.8	3419	24259
PIONEER P0125HR	101	P1250	1,2,4,11,13	41.5	16.9	7.0	99	78.4	25.5	48.2	54.8	5.5	35.0	3047	21728	42.1	17.1	7.2	100	82.8	16.5	36.6	53.0	6.1	45.4	3380	24386
RENK RK563CBLLRW	98	C250	2,3,4	48.0	14.9	7.0	91	80.5	22.3	43.4	55.2	5.8	39.9	3209	22566	43.6	17.1	7.4	92	82.7	19.3	38.3	54.8	6.3	43.6	3356	24763
RENK RK565GTCBLLRW	99	P250	1,2,3,4	41.8	18.0	7.4	94	81.3	22.3	42.7	56.1	5.9	38.9	3259	25198	36.3	20.0	7.3	93	82.7	19.2	37.8	54.1	6.0	43.1	3360	27214
RENK RK698VT3	103	P250	1,2,3	41.7	18.3	7.6	98	80.3	23.1	44.0	55.0	5.8	37.0	3173	24631	43.2	19.5	8.4	98	82.3	17.9	36.5	51.5	6.1	44.2	3352	28147
AVERAGE				42.9	17.6	7.4	96.3	80.4	22.7	44.2	55.4	5.8	37.8	3191	23931	41.6	18.8	7.8	96.4	82.6	18.4	37.3	53.1	6.1	44.1	3359	26331
HIGHEST				48.0	19.6	8.0	99.4	82.2	26.6	49.8	59.4	6.5	41.0	3308	26012	47.0	21.1	9.3	100.0	84.0	21.1	40.8	57.7	6.8	50.3	3486	30923
LOWEST				37.6	14.9	6.9	89.5	77.4	20.2	40.4	53.2	5.1	28.8	2937	20652	36.3	16.4	6.7	85.1	79.9	14.1	31.6	48.7	5.4	37.8	3175	22272
CV (%)				8.6	8.8	10.8	4.6	3.1	10.6	9.3	6.3	7.3	9.3	5	12	9.4	7.0	11.6	5.5	1.9	10.7	9.6	4.1	3.5	8.1	4	12
LSD (5%)				3.0	1.2	0.7	3.6	2.0	1.9	3.3	2.8	0.3	2.8	1.28	2.272	5.6	1.9	1.3	7.5	2.3	2.8	5.1	3.1	0.3	5.1	1.72	4.413

2 Year Averages 2010 - 2009				EARLY - TRIAL AVERAGE											ALLEGAN - EARLY												
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/MT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/MT	MK/A
DAIRYLAND HI DF-3000-9	100	C250	1,2,3	39.6	22.0	8.3	96	80.2	23.6	46.0	57.0	6.2	35.6	3186	26638	37.0	25.5	8.8	99	80.0	24.0	45.6	55.8	6.0	35.4	3183	27884
GREAT LAKES 5306G3VT3	103	P250	1,2,3	40.2	22.9	8.8	96	80.6	22.6	44.0	55.9	5.8	38.1	3225	28887	38.1	27.8	10.0	97	81.6	21.8	42.6	56.3	6.0	37.8	3296	32838
PIONEER 36V53	102	P1250	1,2,4	39.7	21.5	8.1	92	81.5	24.0	46.3	60.0	5.9	34.5	3253	26535	37.8	23.2	8.4	90	83.5	20.6	41.2	59.7	6.0	40.2	3416	28867
RENK RK563CBLLRW	98	C250	2,3,4	42.8	19.3	7.8	91	80.6	23.4	44.9	56.8	6.0	37.9	3215	25333	38.4	22.6	8.4	91	82.8	20.4	40.3	57.1	6.3	41.5	3380	28289
RENK RK698VT3	103	P250	1,2,3	38.2	22.0	8.2	96	81.1	23.0	44.3	57.3	5.8	36.6	3241	27090	37.5	24.4	8.9	97	83.2	19.7	39.9	57.3	5.9	40.5	3410	30306
AVERAGE				40.1	21.5	8.3	94.0	80.8	23.3	45.1	57.4	5.9	36.5	3224	26897	37.8	24.7	8.9	94.7	82.2	21.3	41.9	57.3	6.0	39.1	3337	29637
HIGHEST				42.8	22.9	8.8	96.1	81.5	24.0	46.3	60.0	6.2	38.1	3253	28887	38.4	27.8	10.0	98.5	83.5	24.0	45.6	59.7	6.3	41.5	3416	32838
LOWEST				38.2	19.3	7.8	90.8	80.2	22.6	44.0	55.9	5.8	34.5	3186	25333	37.0	22.6	8.4	90.3	80.0	19.7	39.9	55.8	5.9	35.4	3183	27884
CV (%)				8.3	8.1	10.3	4.8	2.9	10.5	9.0	5.8	7.3	9.6	5	11	8.8	6.5	11.3	4.9	1.8	9.8	8.4	3.7	5.0	8.1	3	12
LSD (5%)				3.1	1.4	0.7	4.1	2.1	2.2	3.6	2.9	0.4	3.2	1.37	2.550	4.3	1.7	1.1	5.7	1.8	2.3	4.0	2.5	0.4	4.2	1.37	3890

2010		HURON - EARLY							INGHAM - EARLY																		
BRAND/HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY				YIELD			% QUALITY													
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A				
AGRI GOLD A6309STX	103	P250	1,2,3	39.0	20.9	8.1*	97	79.1	25.4	47.4	55.8	5.7	34.0	3092	25065	46.1	14.7	6.7	98	80.7	23.6	47.2	59.1	6.1	34.8	3196	21579
AGRI GOLD A6323GT3	103	C250	1,2,3	40.4	21.0	8.5*	96	81.8	21.5	41.8	56.5	5.9	38.6	3298	28052	40.8	17.8	7.3*	98	79.4	25.8	49.3	58.2	5.4	30.7	3111	22696
CROPLAN S61100VT	105			38.5	19.6	7.6*	91	78.7	25.0	47.1	54.7	5.0	34.9	3078	21042	36.9	17.5	6.4	100	73.6	33.8	61.5	57.0	5.1	13.7	2557	16389
DAIRYLAND HI DF-3000-9	100	C250	1,2,3	40.8	20.4	8.3*	94	80.8	22.3	43.4	55.7	6.2	39.1	3225	26788	49.4	13.3	6.8*	100	79.2	22.6	49.0	57.7	6.2	34.8	3097	21181
DAIRYLAND STEALTH-9703Q	103	C250	1,2,3,4	37.4	20.8	7.8*	91	80.6	23.2	44.6	56.5	5.6	36.4	3201	24896	46.2	14.3	6.6	100	81.4	19.2	39.7	52.8	6.1	41.2	3299	21608
DYNAGRO D40SS09	101		1,2,3,4	43.3	20.4	8.8**	98	82.3	20.5	41.2	57.1	6.0	42.1	3330	29270	44.1	16.0	7.0*	100	78.7	23.2	46.3	54.2	6.1	36.3	3097	21501
DYNAGRO D34VN19	94		1,2,3	41.0	17.5	7.2	95	80.2	22.8	44.8	55.8	5.5	39.6	3182	22940	51.6	14.0	7.2*	100	80.8	22.8	47.3	59.6	6.6	35.4	3202	23173
GARST 86U49-3000GT Brand	103	C250	1,2,3,4	42.4	18.6	7.9*	96	79.1	24.6	45.9	54.4	4.8	38.1	3109	24545	43.0	17.8	7.5*	99	79.4	24.6	47.4	56.5	5.3	34.6	3125	23522
GOLDEN HARVEST H-7891 3000GT Brand	103	C250	2,4	45.1	17.5	7.8*	96	82.3	19.9	39.9	55.6	5.3	44.0	3345	26182	48.6	16.1	7.7**	98	81.4	23.3	48.3	61.6	5.8	35.4	3226	24920
GREAT LAKES 5306G3VT3	103	P250	1,2,3	40.7	19.6	7.9*	93	79.4	24.3	46.2	55.4	5.2	38.6	3122	24626	46.8	12.7	5.9	100	76.2	25.3	49.2	51.7	5.5	35.5	2936	18855
HYLAND SEEDS HLCVR74	100	P250	1,2,3	42.8	20.0	8.6*	99	80.9	21.0	41.1	53.4	6.6	41.1	3248	27773	48.0	12.7	6.1	99	78.3	24.4	48.5	55.3	6.5	34.5	3054	18559
LEGACY SEEDS L-5350 3000GT	104	C250	1,2,3,4	39.0	20.7	8.1*	96	80.5	23.7	44.9	56.5	5.4	37.1	3193	25714	44.1	16.0	7.0*	99	78.3	34.1	57.5	62.5	5.3	25.2	2910	18637
MYCOGEN 2W587	104	C250	1,2,3,4	39.1	19.7	7.7*	92	80.3	23.6	45.0	56.3	5.6	38.7	3186	24626	43.6	13.5	5.9	97	79.0	23.9	47.7	55.9	6.0	33.2	3097	18315
NuTech 3A-804 GT	104	C250	1	40.3	20.1	8.1*	93	78.5	25.2	46.8	54.1	5.5	35.3	3069	24845	45.1	12.4	5.6	100	75.9	31.1	58.5	58.8	5.4	22.8	2828	15807
NuTech 5N-803 GT/CB/LURW	103	C250	1,2,3,4	45.1	18.4	8.3*	90	78.5	25.7	47.6	54.8	5.2	35.9	3058	25444	45.4	14.4	6.5	99	77.9	28.2	53.4	58.8	5.4	26.7	2912	18872
PIONEER 36V53	102	P1250	1,2,4	38.9	17.6	6.7	86	78.2	29.5	53.5	59.3	4.9	28.4	2982	20007	53.7	13.5	7.3*	97	82.6	23.1	46.8	62.6	6.0	35.2	3301	23946
PIONEER P0125HR	101	P1250	1,2,4,11,13	41.1	19.4	8.0*	97	79.9	23.3	44.1	54.6	5.4	39.7	3171	25761	41.4	14.2	5.8	100	72.5	36.8	63.9	56.9	4.9	20.0	2591	15037
RENK RK563CBLLRW	98	C250	2,3,4	44.9	16.7	7.5	88	82.4	20.8	40.9	56.8	5.5	42.9	3337	24963	55.4	11.0	6.1	92	76.5	26.8	51.1	53.9	5.7	33.3	2932	17973
RENK RK565GTCBLLRW	99	P250	1,2,3,4	43.7	19.1	8.3*	96	82.1	21.0	42.0	57.3	5.9	40.5	3309	27532	45.3	15.0	6.7	93	79.3	26.6	48.4	57.0	5.9	33.1	3108	20848
RENK RK698VT3	103	P250	1,2,3	41.2	19.0	7.8*	96	80.1	23.7	46.1	56.7	5.2	37.8	3161	24587	40.6	16.3	6.6	99	78.7	27.7	49.3	56.9	6.0	29.0	3008	21160
AVERAGE				41.2	19.3	7.9	94.2	80.3	23.3	44.7	55.8	5.5	38.1	3185	25233	45.8	14.6	6.6	98.3	78.5	26.3	50.5	57.3	5.8	31.3	3029	20229
HIGHEST				45.1	21.0	8.8	98.6	82.4	29.5	53.5	59.3	6.6	44.0	3345	29270	55.4	17.8	7.7	100.0	82.6	36.8	63.9	62.6	6.6	41.2	3301	24920
LOWEST				37.4	16.7	6.7	85.9	78.2	19.9	39.9	53.4	4.8	28.4	2982	20007	36.9	11.0	5.6	92.0	72.5	19.2	39.7	51.7	4.9	13.7	2557	15037
CV (%)				8.0	8.1	10.5	4.5	2.4	10.1	7.6	3.7	9.2	8.2	4	12	8.4	11.8	9.5	3.6	4.5	10.7	10.1	9.2	8.4	12.3	7	12
LSD (5%)				4.7	2.2	1.2	6.0	2.7	3.3	4.8	2.9	0.7	4.4	189	4363	5.5	2.5	0.9	5.1	5.0	4.0	7.3	7.5	0.7	5.4	292	3314

2 Year Averages 2010 - 2009		HURON - EARLY							INGHAM - EARLY																		
BRAND/HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY				YIELD			% QUALITY													
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/A				
DAIRYLAND HI DF-3000-9	100	C250	1,2,3	39.4	21.6	8.5*	97	79.5	24.8	46.9	56.2	6.3	35.3	3123	26551	42.5	18.9	7.8*	92	81.2	22.0	45.5	59.0	6.2	36.2	3251	25478
GREAT LAKES 5306G3VT3	103	P250	1,2,3	40.8	21.1	8.6**	95	80.4	23.6	45.4	56.8	5.7	37.9	3188	27360	41.7	19.8	7.9**	95	79.9	22.5	44.0	54.6	5.8	38.5	3191	26463
PIONEER 36V53	102	P1250	1,2,4	38.7	21.0	8.1*	92	78.9	27.3	50.4	58.0	5.7	31.2	3054	24725	42.7	20.3	7.9**	94	82.2	24.2	47.4	62.5	6.0	32.2	3288	26012
RENK RK563CBLLRW	98	C250	2,3,4	44.8	16.6	7.5	92	79.3	24.9	46.9	56.0	5.8	36.7	3118	23240	45.3	18.6	7.7*	89	79.6	24.8	47.4	57.2	5.9	35.6	3147	24471
RENK RK698VT3	103	P250	1,2,3	38.5	20.7	7.9*	95	79.2	24.9	47.8	56.4	5.7	34.9	3101	24493	38.7	20.8	7.9**	96	81.0	24.4	45.4	58.3	5.8	34.3	3212	26471
AVERAGE				40.4	20.2	8.1	94.2	79.4	25.1	47.5	56.7	5.8	35.2	3117	25274	42.2	19.7	7.8	93.2	80.8	23.6	45.9	58.3	5.9	35.4	3218	25779
HIGHEST				44.8	21.6	8.6	96.6	80.4	27.3	50.4	58.0	6.3	37.9	3188	27360	45.3	20.8	7.9	96.2	82.2	24.8	47.4	62.5	6.2	38.5	3288	26471
LOWEST				38.5	16.6	7.5	91.6	78.9	23.6	45.4	56.0	5.7	31.2	3054	23240	38.7	18.6	7.7	89.0	79.6	22.0	44.0	54.6	5.8	32.2	3147	24471
CV (%)				7.0	7.1	8.8	4.4	2.6	11.0	8.5	3.9	7.4	10.4	5	11	7.2	11.0	10.1	5.7	3.3	9.7	8.7	6.7	8.2	11.0	5	13
LSD (5%)				2.8	1.4	0.7	4.1	2.1	2.6	3.8	2.2	0.4	3.8	145	2710	3.1	1.9	0.7	5.5	2.6	2.4	4.2	3.9	0.5	3.5	160	2774

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

TABLE 8L.

Table with columns: BRAND / HYBRID, RM, TRT, TRAIT, LATE - TRIAL AVERAGE (YIELD, %QUALITY, MILK 2006), ALLEGAN - LATE (%QUALITY, MILK 2006). Rows include various silage hybrids like DAIRYLAND EXP-10801, DYNAGRO D45050, G2 GENETICS 5H-005 RR/HX, etc.

Table with columns: BRAND / HYBRID, RM, TRT, TRAIT, LATE - TRIAL AVERAGE (YIELD, %QUALITY, MILK 2006), ALLEGAN - LATE (%QUALITY, MILK 2006). Rows include various silage hybrids like DAIRYLAND H1DF-3105-0, DYNAGRO V488HXTRNS, G2 GENETICS 5H-005 RR/HX, etc.

2010			HURON - LATE													INGHAM - LATE													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY					MILK 2006				YIELD				% QUALITY					MILK 2006			
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/IA	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/IA		
DAIRYLAND EXP-10801	108	C250	2,3,4	34.5	22.0	7.7*	91	79.5	25.0	47.6	57.0	5.0	34.3	3105	23729	35.2	21.5	7.6	100	78.5	29.0	51.7	58.5	5.4	27.6	3042	23048		
DAIRYLAND H1DF-3105-Q	105	C250	1,2,3,4	34.5	21.4	7.4*	65	75.3	31.5	53.1	53.7	4.6	26.1	2697	21643	39.5	20.7	8.1	99	80.1	24.3	46.7	57.5	5.9	33.7	3175	25679		
DAIRYLAND H1DF-3110-6	111	C250	1	32.7	22.4	7.4*	87	76.2	28.4	52.3	54.5	4.4	26.0	2881	21322	33.3	22.0	7.3	99	73.8	32.2	55.4	52.8	5.4	23.1	2742	19961		
DAIRYLAND STEALTH-1809	109	C250		38.5	19.0	7.3*	88	76.9	26.1	48.7	52.6	5.2	35.3	2953	21545	40.1	20.0	7.9	100	78.8	22.6	44.4	52.4	5.6	38.6	3121	24751		
DAIRYLAND STEALTH-9208Q	106	C250	1,2,3,4	35.7	20.1	7.2*	92	75.8	27.4	50.3	52.1	4.9	33.3	2880	20714	36.9	20.8	7.7	100	73.3	33.8	60.1	55.3	5.0	19.0	2678	20487		
DYNAGRO D4FO50	105		1,2,3,4	37.8	20.2	7.6*	87	79.1	24.1	46.9	55.4	5.0	42.5	3090	26098	36.1	20.9	7.5	100	82.0	22.8	43.4	58.3	5.8	34.9	3264	24439		
DYNAGRO V4884HXTRNS	108		1,2,3,4	33.9	20.1	6.6	94	79.0	25.2	48.2	56.2	5.9	29.4	2984	19552	36.3	21.2	7.7	100	81.9	26.8	39.4	53.9	6.5	38.3	3332	23139		
G2 GENETICS 5H-005 RR/HX	105	C250	1,2,4	35.8	19.7	7.0*	92	77.8	27.8	51.8	57.2	4.8	31.0	2972	20879	37.4	20.1	7.4	100	77.9	30.7	50.9	56.6	5.2	27.5	2888	21459		
G2 GENETICS 5H-007 RR/HX	107	C250	1,2,4	36.6	20.1	7.4*	93	77.3	26.6	48.6	53.4	5.1	34.7	2974	21941	39.9	20.9	8.3*	97	80.1	25.3	47.6	58.4	5.6	34.4	3169	26318		
G2 GENETICS 5X-209 RR/HXT	109	C250	1,2,3,4	38.0	21.5	8.2**	100	78.2	24.9	46.1	52.6	4.6	36.6	3052	25020	44.1	18.7	8.2*	100	80.6	22.5	43.9	55.7	5.6	38.0	3229	26335		
GARST 84U58-3000GT Brand	110	C250	1,2,3,4	38.6	21.3	8.2**	94	81.5	21.6	42.2	56.0	5.3	40.3	3268	26794	39.6	20.3	7.9	100	80.4	22.8	47.4	58.5	5.8	30.0	3137	24798		
GOLDEN HARVEST H-8672 3000GT Brand	109	C250	1,2,3,4	37.3	20.9	7.8*	97	81.9	21.9	42.4	57.4	5.0	38.3	3293	25607	35.0	21.6	7.5	100	79.7	27.6	51.0	60.6	5.7	29.2	3113	23528		
GREAT LAKES 5643VT3PRO	106	P250	1,2,3	41.2	18.0	7.4*	91	78.1	23.4	44.9	51.0	5.0	39.5	3054	22685	41.5	21.6	8.9*	100	78.1	24.6	46.9	53.2	5.7	35.0	3170	28065		
GREAT LAKES 5939G3VT3	109	P250	1,2,3	37.4	18.5	7.0*	97	80.6	22.3	43.1	54.9	4.8	40.1	3211	22273	36.0	20.1	7.2	100	78.0	25.4	48.1	54.5	6.0	33.9	3047	22047		
HYLAND SEEDS HLB77R	108	P250	1,2	35.8	21.2	7.6*	91	78.4	25.2	47.1	54.0	5.0	34.3	3049	23225	41.6	20.2	8.4*	100	79.6	24.9	47.3	56.9	5.9	36.4	3142	26242		
LEGACY SEEDS L-5309 3000GT	106	C250	1,2,3,4	37.5	19.3	7.1*	79	80.9	22.9	43.8	56.3	5.2	38.8	3219	22785	37.9	19.5	7.3	100	79.9	25.6	47.9	57.8	5.7	38.8	3153	23065		
MYCOGEN F2F569	105	C250	1,2,3,4,7	41.8	14.9	6.2	99	81.2	23.9	47.5	60.4	5.4	34.3	3197	19732	40.5	17.8	7.2	100	83.1	26.5	53.0	68.2	6.1	26.4	3267	23432		
MYCOGEN F2F622	109	C250	1,2,4,7	42.7	18.0	8.2**	97	79.2	27.3	51.8	59.7	5.5	30.4	3039	24839	35.6	18.9	6.7	100	81.2	28.7	54.3	65.3	6.0	24.5	3149	21178		
NK Brand N53W 3000GT Brand	105	C250	1,2,3,4	39.3	18.1	7.1*	87	80.0	20.3	39.8	49.5	5.0	41.3	3202	24839	44.1	20.8	9.1**	99	83.4	17.6	37.8	55.9	5.7	44.0	3435	31095		
NuTech 3A-406 GT	106	C250	1	38.0	20.1	7.6*	90	80.1	22.7	43.0	53.7	5.2	39.5	3182	24234	40.1	18.6	7.5	100	78.1	27.6	51.7	57.6	5.4	30.9	3020	22586		
PIONEER 34A89	109	C250	1,2,3,4,12	34.6	21.1	7.3*	96	78.0	26.8	50.2	56.0	5.2	31.5	2993	21918	40.2	19.6	7.9	100	78.9	28.0	52.6	59.7	5.6	30.9	3049	24059		
PIONEER 35A34	106	C250	1,2,3,4,11,13	38.4	20.0	7.6*	94	80.1	25.2	45.1	56.0	5.5	36.8	3163	24034	44.6	16.7	7.3	100	76.2	29.9	55.5	57.1	5.5	28.3	2879	21086		
PIONEER P0541XR	105	C250	1,2,3,4	43.0	19.2	7.8*	90	79.1	24.6	47.1	55.6	5.3	36.7	3088	24081	43.7	18.6	7.6	100	78.4	28.0	53.3	59.6	5.7	29.3	3017	22777		
STEWART SEEDS 7T630	109	P250	1,2,3	37.1	20.9	7.8*	88	80.8	24.0	43.2	55.4	5.5	37.7	3219	25090	35.0	21.6	7.6	100	80.1	24.9	47.3	58.0	6.1	32.2	3167	23837		
AVERAGE				37.5	19.9	7.4	90.8	78.9	24.9	46.9	55.0	5.1	35.3	3073	23108	38.9	20.1	7.7	99.7	79.3	26.3	49.1	57.6	5.7	31.9	3099	23892		
HIGHEST				43.0	22.4	8.2	99.7	81.9	31.5	53.1	60.4	5.9	42.5	3293	26794	44.6	22.0	9.1	100.0	83.4	33.8	60.1	68.2	6.5	44.0	3435	31095		
LOWEST				32.7	14.9	6.2	64.6	75.3	20.3	39.8	49.5	4.4	26.0	2697	19552	33.3	16.7	6.7	97.4	73.3	17.6	37.8	52.4	5.0	19.0	2678	19961		
CV (%)				7.9	9.1	11.9	12.6	3.2	10.8	9.0	5.9	12.1	10.0	5	12	10.2	9.7	8.4	1.0	3.6	11.6	10.0	7.9	8.9	11.8	6	10		
LSD (5%)				4.2	2.6	1.3	16.2	3.5	3.8	6.0	4.6	0.9	5.0	2.8	3902	5.6	2.8	0.9	1.4	4.1	4.3	6.9	6.4	0.7	5.3	247	3363		

2 Year Averages: 2010 - 2009			HURON - LATE													INGHAM - LATE													
BRAND / HYBRID	RM	TRT	TRAIT	YIELD				% QUALITY					MILK 2006				YIELD				% QUALITY					MILK 2006			
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/IA	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MK/T	MK/IA		
DAIRYLAND H1DF-3105-Q	105	C250	1,2,3,4	33.3	24.4	8.1*	79	76.7	29.2	51.4	54.8	5.4	28.0	2865	24239	36.4	25.2	9.0**	98	80.5	24.2	46.5	58.0	5.9	32.7	3204	28797		
DAIRYLAND H1DF-3110-6	111	C250	1	31.0	24.6	7.6*	87	76.2	29.5	53.3	55.4	5.2	25.7	2889	22012	31.5	24.9	7.8	96	76.0	30.0	53.1	54.8	5.5	23.6	2893	22581		
G2 GENETICS 5H-005 RR/HX	105	C250	1,2,4	33.8	23.6	7.9*	94	78.7	27.6	51.3	58.4	5.5	30.8	3037	23965	34.9	24.9	8.5*	97	79.0	28.8	50.1	58.1	5.7	29.2	3025	25912		
PIONEER 34A89	109	C250	1,2,3,4,12	32.7	24.4	7.9*	96	79.0	26.7	49.9	57.9	5.8	29.3	3072	24347	37.8	23.3	8.7*	97	80.9	25.4	48.7	60.7	5.6	32.6	3204	27974		
STEWART SEEDS 7T630	109	P250	1,2,3	34.2	24.6	8.3**	93	81.0	24.3	44.9	57.6	5.9	34.8	3229	26749	34.5	25.4	8.7*	96	81.4	23.6	45.2	59.0	6.2	34.2	3266	28608		
AVERAGE				33.0	24.3	8.0	90.1	78.3	27.5	50.2	56.8	5.6	29.7	3018	24262	35.0	24.7	8.5	96.8	79.5	26.4	48.7	58.1	5.8	30.5	3118	26774		
HIGHEST				34.2	24.6	8.3	96.1	81.0	29.5	53.3	58.4	5.9	34.8	3229	26749	37.8	25.4	9.0	97.8	81.4	30.0	53.1	60.7	6.2	34.2	3266	28797		
LOWEST				31.0	23.6	7.6	79.4	76.2	24.3	44.9	54.8	5.2	25.7	2865	22012	31.5	23.3	7.8	96.2	76.0	23.6	45.2	54.8	5.5	23.6	2893	22581		
CV (%)				7.8	7.5	10.3	10.0	2.9	10.6	8.4	4.9	10.2	11.1	5	12	8.3	9.6	8.9	2.9	2.8	9.6	8.0	5.9	8.5	10.5	5	11		
LSD (5%)				2.8	1.6	0.8	9.0	2.2	2.7	4.0	2.7	0.5	3.8	1.49	2721	3.1	2.1	0.7	2.8	2.2	2.5	3.9	3.4	0.5	3.3	140	2617		

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

TABLE 9.

MENOMINEE (LATE), OGEMAW & OSCEOLA COUNTY SILAGE TRIALS (103 Day and Earlier)

ZONE 4

			TRIAL AVERAGE												MENOMINEE - LATE													
2010			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/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A	
DAIRYLAND H1DF-3195-Q	95	C250	1,2,3,4	37.9	19.5	7.5	95	83.7	20.4	40.5	59.8	6.5	40.8	3438	25908	-	-	-	-	-	-	-	-	-	-	-	-	-
DAIRYLAND STEALTH-1898	98	C250	4	36.2	21.5	7.8	98	81.3	21.7	42.2	55.7	6.5	38.5	3269	25342	35.8	24.7	8.6*	95	78.9	24.4	45.8	53.8	6.3	36.2	3071	26510	
DAIRYLAND STEALTH-9196	96	C250	1,2,3	36.7	22.4	8.2*	97	81.9	21.0	41.0	56.0	6.6	41.3	3312	27174	32.8	23.1	7.6	97	78.2	24.6	46.2	52.7	6.7	36.9	3027	22968	
DYNAGRO D45050	101	1,2,3,4	1,2,3,4	33.5	26.2	8.7*	99	81.1	23.0	43.9	57.1	6.5	38.1	3245	28240	31.0	28.4	8.8*	97	77.7	26.2	48.4	54.0	6.6	35.4	2979	26075	
DYNAGRO D34W19	94	P250	1,2,3	36.2	20.7	7.3	99	80.0	24.3	46.0	56.5	6.6	34.5	3154	23176	32.3	22.3	7.0	99	79.5	24.2	46.5	55.8	6.7	33.8	3094	21785	
DYNAGRO D39Q29	99	1,2,3,4	1,2,3,4	36.5	21.7	7.8	99	82.0	21.0	41.2	56.4	7.3	40.1	3317	25690	33.8	24.5	8.3*	96	79.4	23.5	44.2	53.4	7.1	38.2	3113	25818	
G2 GENETICS 5X-100 RR/HXT	100	C250	1,2,3,4	31.8	26.2	8.3*	98	81.4	23.9	44.4	58.0	6.3	35.3	3213	26573	29.6	29.6	8.7*	99	79.0	26.6	45.0	53.3	6.3	33.0	2954	26549	
GARST 86J49-3000GT Brand	103	C250	1,2,3,4	33.2	25.8	8.5*	97	80.0	24.5	45.6	56.4	6.1	35.8	3171	27147	29.3	28.1	8.2*	95	75.6	28.6	51.1	52.2	6.3	31.2	2835	23286	
GOLDEN HARVEST H-7891 3000GT Brand	103	C250	2,4	34.0	24.7	8.3*	96	81.3	21.8	43.6	57.4	6.5	36.6	3258	27312	30.1	27.1	8.1*	93	77.5	27.2	50.4	55.3	6.5	30.5	2942	23775	
GREAT LAKES 4481G3VT3	94	P250	1,2,3	37.1	23.5	8.8*	100	83.8	19.8	39.5	58.9	6.7	41.1	3450	30258	-	-	-	-	-	-	-	-	-	-	-	-	-
GREAT LAKES 5090G3VT3	100	P250	1,2,3	35.6	23.7	8.4*	98	82.2	21.4	41.8	57.6	6.4	39.1	3322	28058	30.8	25.3	7.8*	96	77.9	25.5	47.3	53.2	6.2	34.4	3001	23331	
HYLAND SEEDS HLB42R	95	P250	1,2	33.8	24.3	8.2*	99	79.4	24.5	46.0	55.4	6.1	35.5	3134	25750	30.8	26.8	8.2*	97	75.8	27.3	49.7	51.3	6.0	33.6	2861	23588	
MYCOGEN F2F488	98	C250	1,2,3,4,7	34.5	21.7	7.5	98	85.3	20.8	42.7	65.6	7.0	36.2	3485	26312	30.8	22.5	7.0	95	83.0	23.1	45.9	63.0	6.9	34.8	3289	23146	
MYCOGEN TMF2L533	101	C250	1,2,3,4	33.6	25.0	8.5*	97	81.3	23.7	45.3	58.7	6.2	35.3	3298	28640	-	-	-	-	-	-	-	-	-	-	-	-	-
MYCOGEN TMF2R522	98	C250	1,2,3,4	34.2	26.2	8.9**	98	82.2	21.2	41.4	57.2	6.6	39.7	3328	29794	31.0	27.9	8.7*	95	78.1	24.6	45.8	52.2	6.4	36.5	3028	26208	
NK Brand N29T GT/CBLL Brand	92	C250	1,2,3,4	43.7	20.1	8.8*	99	82.3	19.3	39.4	55.3	6.5	43.1	3352	28475	45.9	19.3	8.8*	99	79.4	20.2	43.2	52.8	6.3	41.2	3128	24836	
NuTech 3T-603 VT3	103	C250	1,2,3	33.0	25.0	8.3*	96	78.9	24.7	46.4	54.5	6.3	35.6	3102	25704	30.9	26.6	8.2*	97	76.5	26.0	48.2	51.1	6.2	33.9	2913	23820	
NuTech 5N-803 GT/CBLL/RW	103	C250	1,2,3,4	32.9	27.0	8.8*	98	81.1	24.2	44.9	58.0	6.0	36.6	3239	28665	31.5	28.9	9.1**	96	79.9	25.3	46.5	56.7	6.1	35.5	3118	28365	
PIONEER 36V63	102	P1250	1,2,4	33.4	25.9	8.7*	97	81.5	22.4	42.7	56.9	6.5	38.0	3275	28573	29.2	27.5	8.1*	98	77.3	26.7	48.7	53.4	6.6	32.6	2950	23821	
PIONEER P0115XR	101	C250	1,2,3,4	33.2	25.6	8.5*	96	81.1	23.1	43.8	57.1	6.4	37.6	3243	27765	30.2	27.7	8.4*	93	76.9	26.8	49.0	53.0	6.4	33.2	2931	24655	
RENK R302GT/CBLL	89	C250	1,2,4	41.5	20.9	8.6*	98	81.8	20.6	39.9	54.8	6.3	42.6	3319	28034	38.7	22.6	8.7*	97	76.6	26.3	48.3	51.9	6.2	36.4	2923	23420	
RENK R563CBLL/RW	98	C250	2,3,4	35.9	21.4	7.8	94	80.6	23.7	45.1	57.3	6.5	36.8	3204	24809	33.8	21.4	7.1	92	75.4	29.4	53.1	53.7	6.4	29.7	2801	18384	
RENK R565GT/CBLL/RW	99	P250	1,2,3,4	36.2	24.5	8.9**	99	80.9	22.1	42.1	55.1	6.4	39.2	3252	28974	32.4	26.3	8.6*	99	76.0	26.6	48.3	50.5	6.5	33.8	2885	24929	
WOLF RIVER VALLEY WRV 2702L	100	P250	1,2,3,4	35.5	25.0	8.8*	98	80.1	23.3	44.5	55.4	6.6	35.2	3182	27994	32.6	27.7	9.0*	96	77.4	26.1	48.6	53.5	6.6	32.6	2958	26635	
AVERAGE				35.4	23.7	8.3	97.6	81.5	22.4	43.1	57.1	6.5	38.0	3273	27265	32.5	25.6	8.2	96.3	77.9	25.7	47.6	53.6	6.4	34.5	2991	24329	
HIGHEST				43.7	27.0	8.9	99.7	85.3	24.7	46.4	65.6	7.3	43.1	3485	30258	45.9	29.6	9.1	99.2	83.0	29.4	53.1	63.0	7.1	41.2	3289	28365	
LOWEST				31.8	19.5	7.3	94.3	78.9	19.3	39.4	54.5	6.0	34.5	3102	23176	29.2	19.3	7.0	92.2	75.4	20.2	43.2	50.5	6.0	29.7	2801	18384	
CV (%)				7.6	9.5	11.3	4.3	2.4	10.6	8.6	3.5	5.5	9.5	4	12	6.2	9.5	10.8	4.1	3.3	9.3	8.8	4.3	5.4	10.3	6	12	
LSD (5%)				2.2	1.8	0.8	3.4	1.6	1.9	3.0	1.6	0.3	2.9	110	2680	2.9	3.5	1.3	5.5	3.7	3.4	5.9	3.2	0.5	5.0	242	3971	

			TRIAL AVERAGE												MENOMINEE - LATE												
2 Year Averages 2010 - 2009			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/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A
DAIRYLAND STEALTH-9196	96	C250	1,2,3	36.7	20.9	7.6*	98	81.6	21.2	41.9	56.2	6.5	40.6	3298	25140	36.6	22.0	8.0*	97	77.7	25.2	48.1	53.6	6.7	36.0	2992	23770
GREAT LAKES 4481G3VT3	94	P250	1,2,3	35.9	21.6	7.8*	99	83.5	20.1	40.4	59.2	6.6	39.9	3437	26852	-	-	-	-	-	-	-	-	-	-	-	-
NuTech 3T-603 VT3	103	C250	1,2,3	32.5	24.6	8.0**	96	79.2	24.5	46.8	55.5	6.4	34.8	3122	24927	32.2	25.5	8.2**	94	76.3	26.3	49.3	51.9	6.6	33.5	2906	23676
AVERAGE				35.0	22.4	7.8	97.9	81.4	22.0	43.0	57.0	6.5	38.4	3285	25640	34.4	23.8	8.1	95.8	77.0	25.7	48.7	52.7	6.6	34.8	2949	23723
HIGHEST				36.7	24.6	8.0	99.1	83.5	24.5	46.8	59.2	6.6	40.6	3437	26852	36.6	25.5	8.2	97.2	77.7	26.3	49.3	53.6	6.7	36.0	2992	23770
LOWEST				32.5	20.9	7.6	96.3	79.2	20.1	40.4	55.5	6.4	34.8	3122	24927	32.2	22.0	8.0	94.4	76.3	25.2	48.1	51.9	6.6	33.5	2906	23676
CV (%)				7.5	9.1	10.7	4.1	2.3	10.5	8.5	3.4	5.8	9.5	4	12	7.3	8.9	9.9	4.8	3.2	11.3	9.6	4.0	5.9	12.2	6	12
LSD (5%)				2.1	1.7	0.7	3.2	1.5	1.9	3.0	1.6	0.3	2.9	105	2514	2.4	2.2	0.8	4.5	2.4	2.9	4.5	2.1	0.4	4.2	168	2789

2010												OSCEOLA																								
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	IVD	ADF	NDF	NDFD	CP	STR	IVD	ADF	NDF	NDFD	CP	STR	IVD	ADF	NDF	NDFD	CP	STR					
DAIRYLAND H1DF-3195-Q	95	C250	1,2,3,4	33.6	17.5	5.9	89	82.6	22.2	43.4	59.8	6.1	36.7	3352	19852	42.2	21.5	9.1	100	84.8	18.6	37.6	59.7	6.8	44.9	3524	31964	84.8	18.6	37.6	59.7	6.8	44.9	3524	31964	
DAIRYLAND STEALTH-1898	98	C250	4	32.6	17.5	5.6	100	81.8	21.8	42.5	56.9	6.3	37.4	3312	18548	40.3	22.5	9.1	100	83.2	19.1	38.5	56.3	7.1	41.9	3423	30968	83.2	19.1	38.5	56.3	7.1	41.9	3423	30968	
DAIRYLAND STEALTH-9196	96	C250	1,2,3	38.8	21.1	8.1	97	83.5	19.2	38.7	57.2	6.6	42.7	3439	27935	38.6	23.0	8.8	98	84.0	19.2	38.2	58.1	6.7	44.4	3471	30620	84.0	19.2	38.2	58.1	6.7	44.4	3471	30620	
DYNAORO D46050	101	P250	1,2,3,4	34.3	24.7	8.4	99	82.1	21.8	42.2	57.6	6.3	37.8	3336	28033	35.1	25.4	9.0	100	83.5	21.1	41.0	59.7	6.6	41.1	3419	30611	83.5	21.1	41.0	59.7	6.6	41.1	3419	30611	
DYNAORO D34W19	94	P250	1,2,3	40.1	19.0	7.7	99	80.5	24.5	45.6	57.2	6.5	35.3	3214	24566	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DYNAORO D39QN29	99	P250	1,2,3,4	36.3	20.7	7.5	100	82.3	21.1	41.9	57.8	7.0	38.6	3346	25065	39.3	19.8	7.5	100	84.3	18.3	37.4	58.0	7.6	43.7	3491	26186	84.3	18.3	37.4	58.0	7.6	43.7	3491	26186	
G2 GENETICS 5X-100 RR/HXT	100	C250	1,2,3,4	32.4	23.0	7.6	95	83.1	22.3	43.7	61.1	5.9	35.4	3376	25716	33.3	26.1	8.6	100	82.1	22.9	44.5	59.7	6.6	37.4	3310	28455	82.1	22.9	44.5	59.7	6.6	37.4	3310	28455	
GARST 86J49-3000GT Brand	103	C250	1,2,3,4	35.1	22.8	8.0	97	82.2	22.6	43.4	58.8	5.8	36.7	3331	26779	35.1	26.7	9.4	100	84.2	22.3	42.3	58.3	6.3	39.4	3478	31376	84.2	22.3	42.3	58.3	6.3	39.4	3478	31376	
GOLDEN HARVEST H-7891 3000GT Brand	103	C250	2,4	34.5	21.6	7.4	95	82.4	19.4	42.1	58.1	6.0	37.0	3354	25018	37.5	25.4	9.5	100	84.2	19.0	38.4	58.8	7.0	42.2	3478	31345	84.2	19.0	38.4	58.8	7.0	42.2	3478	31345	
GREAT LAKES 4481G3VT3	94	P250	1,2,3	37.4	20.3	7.6	99	84.7	18.8	37.9	59.6	6.3	41.9	3518	26639	36.9	26.7	10.0	100	82.9	20.7	41.0	58.2	7.0	40.4	3383	33877	82.9	20.7	41.0	58.2	7.0	40.4	3383	33877	
GREAT LAKES 5090G3VT3	100	P250	1,2,3	37.9	21.5	8.2	99	84.4	19.7	39.5	60.3	6.3	40.1	3484	28443	38.3	24.3	9.3	100	84.2	19.0	38.7	59.3	6.6	42.8	3482	32400	84.2	19.0	38.7	59.3	6.6	42.8	3482	32400	
HYLAND SEEDS HLB42R	95	P250	1,2	32.9	23.1	7.6	100	81.0	23.9	45.4	58.1	5.9	33.5	3245	24766	37.7	23.2	8.8	100	81.5	22.3	42.9	57.0	6.5	39.4	3294	28895	81.5	22.3	42.9	57.0	6.5	39.4	3294	28895	
MYCOGEN F2F488	98	C250	1,2,3,4,7	36.4	20.5	7.5	100	86.2	21.1	43.3	68.0	6.0	37.3	3546	26534	36.2	22.2	8.1	100	86.8	18.2	38.7	65.9	7.4	40.5	3621	29256	86.8	18.2	38.7	65.9	7.4	40.5	3621	29256	
MYCOGEN TMF2L533	101	C250	1,2,3,4	32.2	21.4	6.9	93	81.0	24.5	46.8	59.3	5.8	33.2	3305	24221	35.1	28.7	10.1	**	100	81.6	23.0	43.8	58.1	6.5	37.3	3291	33059	81.6	23.0	43.8	58.1	6.5	37.3	3291	33059
MYCOGEN TMF2R522	98	C250	1,2,3,4	35.8	24.6	8.8	**	83.9	19.6	39.3	59.0	6.4	40.3	3460	30496	35.9	26.1	9.4	**	99	84.5	19.4	39.0	60.3	7.0	42.4	3495	32678	84.5	19.4	39.0	60.3	7.0	42.4	3495	32678
NK Brand IN29T GT/CBLL Brand	92	C250	1,2,3,4	42.3	17.8	7.6	97	83.2	19.6	39.0	56.9	6.3	43.1	3423	25853	42.9	23.4	9.9	**	100	84.3	18.1	36.1	56.4	6.8	45.0	3505	34737	84.3	18.1	36.1	56.4	6.8	45.0	3505	34737
NuTech 3T-603 VT3	103	C250	1,2,3	33.6	23.1	7.7	**	80.3	24.1	45.9	57.0	6.2	35.3	3200	24730	34.6	25.3	9.0	**	94	80.0	24.0	45.0	55.6	6.5	37.5	3193	28562	80.0	24.0	45.0	55.6	6.5	37.5	3193	28562
NuTech 5N-803 GT/CBLL/RW	103	C250	1,2,3,4	33.1	25.6	8.4	**	80.6	25.1	46.6	58.3	5.6	34.1	3212	26987	34.1	26.6	9.1	**	99	83.0	22.2	41.7	59.2	6.2	40.2	3388	30645	83.0	22.2	41.7	59.2	6.2	40.2	3388	30645
PIONEER 36V53	102	P1250	1,2,4	33.7	24.5	8.4	**	82.6	21.5	41.5	58.2	6.3	38.3	3370	28334	37.3	25.8	9.6	**	98	84.5	19.1	37.9	59.1	6.7	43.1	3504	33565	84.5	19.1	37.9	59.1	6.7	43.1	3504	33565
PIONEER P0115XR	101	C250	1,2,3,4	32.7	22.5	7.4	95	81.9	23.5	44.8	59.5	6.4	35.2	3297	24418	36.9	26.5	9.8	**	100	84.4	19.0	37.7	58.6	6.4	44.4	3502	34222	84.4	19.0	37.7	58.6	6.4	44.4	3502	34222
RENNK R302GT/CBLL	89	C250	1,2,4	41.5	17.8	7.4	97	83.6	18.6	37.1	55.7	6.2	44.6	3461	25528	44.2	22.3	9.9	**	100	85.2	17.0	34.3	56.8	6.5	47.0	3572	35154	85.2	17.0	34.3	56.8	6.5	47.0	3572	35154
RENNK RK563CBLLRW	98	C250	2,3,4	34.8	19.1	7.1	91	82.3	22.5	43.7	59.4	6.2	37.1	3331	23560	39.3	23.8	9.3	**	99	84.2	19.4	38.4	58.8	6.7	43.6	3481	32483	84.2	19.4	38.4	58.8	6.7	43.6	3481	32483
RENNK RK565GT/CBLLRW	99	C250	1,2,3,4	36.9	22.0	8.1	**	82.8	21.0	40.5	57.6	6.0	39.1	3391	27470	39.3	25.3	9.9	**	100	84.0	18.8	37.5	57.3	6.6	44.8	3479	34523	84.0	18.8	37.5	57.3	6.6	44.8	3479	34523
WOLFE RIVER VALLEY WRV 2702L	100	P250		36.8	21.6	8.0	**	81.5	22.1	43.0	56.7	6.3	35.5	3293	26227	37.1	25.6	9.5	**	100	81.5	21.8	42.0	55.9	6.9	37.6	3296	31121	81.5	21.8	42.0	55.9	6.9	37.6	3296	31121
AVERAGE				35.6	21.4	7.6	97.1	82.5	21.7	42.4	58.7	6.2	37.6	3358	25655	37.7	24.6	9.2	99.4	83.5	20.1	39.7	58.5	6.7	41.8	3433	31674	83.5	20.1	39.7	58.5	6.7	41.8	3433	31674	
HIGHEST				42.3	25.6	8.8	100.0	86.2	25.1	46.8	68.0	7.0	44.6	3546	30496	44.2	28.7	10.1	100.0	86.8	24.0	45.0	65.9	7.6	47.0	3621	35154	86.8	24.0	45.0	65.9	7.6	47.0	3621	35154	
LOWEST				32.2	17.5	5.6	89.4	80.3	18.6	37.1	55.7	5.6	33.2	3200	18548	33.3	19.8	7.5	94.3	80.0	17.0	34.3	55.6	6.2	37.3	3193	26186	80.0	17.0	34.3	55.6	6.2	37.3	3193	26186	
CV (%)				7.3	8.1	10.4	6.1	1.9	10.9	8.9	3.5	5.6	10.8	3	11	5.7	7.5	8.9	1.7	1.5	8.9	6.4	2.4	3.7	6.0	3	10									
LSD (5%)				3.7	2.5	1.1	8.4	2.2	3.3	5.3	2.9	0.5	5.8	157	3845	3.0	2.6	1.2	2.4	1.7	2.5	3.6	1.9	0.4	3.6	126	4302	1.7	2.5	3.6	1.9	0.4	3.6	126	4302	

2 Year Averages 2010 - 2009												OSCEOLA																								
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	IVD	ADF	NDF	NDFD	CP	STR	IVD	ADF	NDF	NDFD	CP	STR	IVD	ADF	NDF	NDFD	CP	STR					
DAIRYLAND STEALTH-9196	96	C250	1,2,3	36.7	20.4	7.5	**	83.8	19.1	38.8	58.0	6.3	42.3	3463	25953	36.7	20.3	7.5	**	99	83.3	19.3	38.9	57.1	6.5	43.5	3437	25695	83.3	19.3	38.9	57.1	6.5	43.5	3437	25695
GREAT LAKES 4481G3VT3	94	P250	1,2,3	36.3	20.7	7.5	**	83.7	19.7	39.6	58.9	6.4	40.1	3458	26033	35.5	22.5	8.1	**	99	83.3	20.6	41.2	59.4	6.9	39.7	3416	27671	83.3	20.6	41.2	59.4	6.9	39.7	3416	27671
NuTech 3T-603 VT3	103	C250	1,2,3	31.8	24.1	7.6	**	81.0	23.7	45.7	58.5	6.0	35.0	3256	24787	33.5	24.2	8.2	**	96	80.1	23.7	45.5	56.2	6.6	35.9	3203	26318	80.1	23.7						

Notes

2010			MENOMINEE - EARLY												
BRAND/HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY						MILK 2006		
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
CROPLAN 2871VT3	88			36.8	20.5	7.5	98	79.8	23.2	42.5	52.6	6.5	39.9	3141	23697
DAIRYLAND HI DF-3187-7	87	C250	1,2	35.4	24.2	8.6*	100	80.2	23.2	44.0	54.9	6.4	38.1	3144	26832
G2 GENETICS 5H-891 RRIHX	91	C250	1,2,4	42.9	19.8	8.5*	91	78.5	23.6	43.6	50.7	6.2	42.7	3058	25921
MYCOGEN 2C302	89	C250	1,2,4	36.5	21.3	7.8	99	76.1	25.1	47.0	49.1	6.2	37.1	2885	24231
MYCOGEN IMF2Q298	89	C250	1,2,3,4	35.3	22.8	8.0*	98	79.8	23.1	44.2	54.4	6.9	36.7	3121	26287
NuTech 1B-887 CB/LL	87	C250	2,4	42.7	18.8	8.0*	94	80.1	21.4	41.7	52.1	6.4	41.5	3164	25407
NuTech 3C-889 RRYGCB	89	P250	1,2	40.2	22.7	9.1**	100	80.7	21.8	42.1	54.1	6.1	41.8	3195	29074
NuTech 5B-290 GT/CB/LL	90	C250	1,2,4	42.7	18.6	8.0*	98	76.1	23.9	48.5	50.9	5.8	40.1	2876	22779
PIONEER 38H08	92	P1250	1,2,4,11	39.3	19.9	7.8	98	74.0	29.8	53.1	51.2	5.6	33.9	2711	21257
PIONEER 39V07	80	P250	1,2,4	48.0	15.6	7.5	94	76.5	26.8	49.1	52.3	6.5	36.3	2888	21586
PIONEER P8906HR	89	P1250	1,2,4	42.9	18.6	8.0*	97	77.1	24.9	45.9	50.1	6.1	40.4	2956	23511
PIONEER P9380XR	93	C250	1,2,3,4	38.1	21.9	8.3*	95	79.0	24.9	42.6	50.9	6.0	41.7	3096	25781
WOLF RIVER VALLEY WRV 2087L	87	P250		35.0	20.1	6.9	96	76.1	27.3	50.2	52.3	6.6	31.8	2853	19752
WOLF RIVER VALLEY WRV 2087L	87	P250		35.0	20.1	6.9	96	76.1	27.3	50.2	52.3	6.6	31.8	2853	19752
WOLF RIVER VALLEY WRV 2096L	96	P250		31.6	25.7	8.1*	96	79.8	23.7	45.2	55.2	6.7	34.7	3110	25183
AVERAGE				39.1	20.8	8.0	96.7	78.1	24.4	45.7	52.2	6.3	38.3	3014	24379
HIGHEST				48.0	25.7	9.1	100.0	80.7	29.8	53.1	55.2	6.9	42.7	3195	29074
LOWEST				31.6	15.6	6.9	91.1	74.0	21.4	41.7	49.1	5.6	31.8	2711	19752
CV (%)				7.1	9.6	9.5	4.1	3.8	9.6	9.0	6.9	5.1	8.2	7	12
LSD (5%)				4.0	2.8	1.1	5.7	4.3	3.3	5.9	5.1	0.5	4.5	289	4158

2 Year Averages 2010 - 2009			MENOMINEE - EARLY												
BRAND/HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY						MILK 2006		
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
NuTech 1B-887 CB/LL	87	C250	2,4	36.6	21.1	7.6*	94	79.8	23.6	45.4	55.3	6.8	36.7	3156	23994
NuTech 3C-889 RRYGCB	89	P250	1,2	39.0	21.2	8.3**	98	80.5	23.7	46.8	58.1	6.4	35.9	3183	26333
PIONEER 38H08	92	P1250	1,2,4,11	37.3	20.3	7.6*	94	77.3	27.1	49.8	54.8	6.0	34.4	2971	22499
AVERAGE				37.7	20.9	7.8	95.6	79.2	24.8	47.3	56.1	6.4	35.7	3103	24275
HIGHEST				39.0	21.2	8.3	98.4	80.5	27.1	49.8	58.1	6.8	36.7	3183	26333
LOWEST				36.6	20.3	7.6	94.2	77.3	23.6	45.4	54.8	6.0	34.4	2971	22499
CV (%)				8.1	9.0	9.4	3.7	3.4	10.5	8.8	5.8	6.3	10.3	6	12
LSD (5%)				3.1	1.9	0.7	3.6	2.6	2.6	4.1	3.1	0.4	3.8	178	2968

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

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Weather

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Zone 1 Grain Late - 108 Day and Later

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THANK YOU TO OUR FARM COOPERATORS:

ZONE 1

Baker-Ladd Farms, Blaine Baker, Clayton
Dave and Mel Cripe, Cassopolis
Kyle Huff, Coldwater
OSU NW Experiment Station, Hoytville, Ohio
Mathew Talladay, Milan

ZONE 2

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ZONE 3

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Robert Oshe, Custer
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Wil-le Farms, Ron & Ed McCrea, Bad Axe

ZONE 4/5

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