

2015

MICHIGAN CORN HYBRIDS Compared

MICHIGAN STATE UNIVERSITY | Extension

Research conducted by Michigan State University.
Results of the 2015 Growing Season.

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Extension Bulletin E-431

DECEMBER 2015

COMPANY INDEX

BRAND	CONTACT	BRAND	CONTACT	BRAND	CONTACT
AGRIGOLD	AgriGold Hybrids 5381 Akin Rd St. Francisville, IL 62460 www.agrigold.com	LEGACY SEEDS	Legacy Seeds, Inc. P.O. Box 68 - 290 Depot St. Scandinavia, WI 54799 www.legacyseeds.com	RUPP	Rupp Seeds, Inc. 17919 Co. Rd. B Wauseon, OH 43567 www.ruppseeds.com
BECK	Beck's Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	LEGEND	Legend Seeds P.O. Box 241 DeSmet, SD 57231 www.legendseeds.com	SEED CONSULTANTS	Seed Consultants, Inc. 648 Miami Trace Rd. SW Washington C. H., OH 43160 www.seedconsultants.com
BLUE RIVER	Blue River Hybrids 2326 230th Street Ames, IA 50014 www.blueriverorgseed.com	M & W	M & W Seeds Inc. 8443 Wilcox Road Eaton Rapids, MI 48827 www.mwseeds.com	SPECIALTY	Specialty Hybrids 306 N Main Street Monticello, IN 47960 www.specialtyhybrids.com
CHANNEL	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.channel.com	MASTERS CHOICE	Masters Choice, Inc. 3010 State Route 146 E. Anna, IL 62906 www.seedcorn.com	STEYER	Steyer Seeds 6145 N. County Road 33 Tiffin, OH 44883 www.steyerseeds.com
CROPLAN	Croplan Genetics P.O. Box 64281, MS 5735 St Paul, MN 55164 www.croplan.com	MYCOGEN	Mycogen Seeds 9330 Zionsville Road Indianapolis, IN 46268 www.mycogen.com	T.A. SEEDS	T.A Seeds 39 Seeds Lane Jersey Shore, PA 17740 www.taseeds.com
DAIRYLAND	Dairyland Seed P.O. Box 958 West Bend, IL 62535 www.dairylandseed.com	NK Brand	Syngenta Seeds, Inc. 11055 Wayzata Blvd. Minnetonka, MN 55440 www.syngenta.com	WELLMAN	Wellman Seeds, Inc. 23778 Delphos Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
DEKALB	Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.asgrowanddekalb.com	NuTech	NuTech Seed, LLC 2321 N. Loop Dr., Suite 230 Ames, IA 50010 www.nutechseed.com	WOLF RIVER	Wolf River Vally Seeds N 2976 County M White Lake, WI 54491 www.wolfrivervallyseeds.com
DYNA-GRO	Dyna-Gro Seed 4648 S. Garfield Road Auburn, MI 48611 www.dyna-groseed.com	NuTech/ G2 GENETICS	NuTech Seed, LLC 2321 N. Loop Dr., Suite 230 Ames, IA 50010 www.nutechseed.com		
GOLDEN HARVEST	Syngenta Seed 11055 Wayzata Blvd. Minnetonka, MN 55440 www.syngenta.com	PARTNERS	Partners Brand Seed, LLC 4610 E SR120 Howe, IN 46746 www.partnersbrandseed.com		
GREAT LAKES	Great Lakes Hybrids 9915 West M21 Ovid, MI 48866 www.greatlakeshybrids.com	PIONEER	DuPont Pioneer 59 Greif Pkwy, West Suite 200 Delaware, OH 43015 www.pioneer.com		
KEY	AGRA Solutions, LLC 23778 Delphos Jennings Road Delphos, OH 45833 www.agrasolutions.com	RENK	Renk Seed Company 6809 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com		

2015

MICHIGAN CORN PERFORMANCE TRIALS

*K. Thelen, W. D. Widdicombe and L. A. Williams
Department of Plant, Soil, and Microbial Sciences
Michigan State University*

Introduction

The Michigan State University Department of Plant, Soil and Microbial Sciences conduct hybrid corn trials each year in cooperation with Michigan State University AgBio Research stations, seed corn companies, and farmers to determine yield and quality 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 2015 trials (pg. 28 and 33, respectively). Thirteen grain and eleven silage locations were planted. A total of 315 hybrids from 25 seed companies (29 brand names) make up the 479 entries; that translates into 6,399 separate county plots planted. Company names used in association with hybrid numbers refer to the brand. The hybrid numbers are the companies' designations.

Hybrids that have 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 traits provided by the company. Treatment and Trait codes are listed in the tables on page 21.

How to Use This Bulletin

Tables list hybrids alphabetically and contain yield results for each location, plus zone averages. Complete one 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/>

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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 were 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 coefficient of variability, (CV) is indicative of a trials precision. Trials with low levels of error variation have lower CV values.

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

Season in Summary: 2015

Entry forms for participating companies were due March 15th, by the end of March we began receiving the seeds that made up our trials. After a lot of paper work, printing of labels and placing labels on packets, our students began counting the seeds and filling the packets. The counting process was made easier with an Agriculex ESC-1 seed counter. Packets were sorted by trial and location and placed in a computer generated random planting order. Some of our seed comes from winter production in South America, we are usually receiving seed up to the morning we leave the Agronomy Farm for the first day of planting.

Planting began in Ingham County on May 3rd, 2015. Montcalm County was the last plot planted on June 26th. Planting is accomplished with an Almaco vacuum planter. A cable with "bobbins" that are set at twenty-five foot intervals assure the uniform length of each plot. The planting depth is checked at each field and adjusted according to the tillage practices of the field. With very few rain and equipment delays the planting season went very well this year.

The task of applying weed control is a pretty even split between us and local elevators. We had a few glitches but we were able to correct them in a timely manner.

As usual, stand counts went off without a hitch, all plots were counted and thinned at knee high. All locations except Grand Traverse County, MI and Wood County, OH were thinned back to a population of 35,244. Grand Traverse County was thinned to 31,284 and Wood County, OH was thinned to 34,452.

- Season Continued On Page 6.

2015

GROWING SEASON WEATHER SUMMARY

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

Similar to 2013/2014, the winter of 2014/ 2015 which preceded the 2015 season was much colder than normal due to a persistent deep upper air troughing pattern across the Great Lakes region. For the state as a whole, the winter mean temperature was 17.7°F, the 18th coldest on record. February 2015 was particularly extreme, with subzero temperatures state- and region-wide and many new or near records. Mean temperatures for the month generally ranged from 11-15°F below normal across the state. Extreme cold temperatures were observed with regularity statewide during all but the first week of the month, with minima falling to the -10° to -35°F or lower range, which damaged some overwintering perennial crops. Given the intense cold, ice cover across the Great Lakes was much above normal, with the peak coverage of 86% occurring during the last week of February. This value was more than twice the normal areal coverage for the date and the fifth highest on record. With significant snow cover in place during most of the winter, extreme low 2-inch soil temperatures bottomed out in the 30-32°F range across most of the state, although minima reached the low 20's F in some east central and southeastern sections of the state where snow cover was more scattered. In terms of precipitation, and in contrast to 2013/2014, the winter was also drier than normal, with a mean precipitation total of 4.01 inches. At the beginning of March, soil moisture levels in the top 3 feet of the profile had fallen to below normal levels across southern sections of the state but were near or even above normal levels across central and northern sections.

The upper air troughing pattern that brought the severe cold to the region ended by mid-March, with the development of a more zonal, west to east pattern across the Continental USA and a moderation in temperatures for Michigan by early April. Drier than normal conditions continued during most of March and April. Some areas of the state observed as many as 21 consecutive days without measureable precipitation during the month, which is unusual in a humid climate such as Michigan's. By late April, the U.S. Drought Monitor categorized much of central and southern Lower Michigan and the western Upper Peninsula in the D0 'Abnormally Dry' category. In general, the cool and dry weather was not conducive for spring fieldwork and early planting lagged behind normal.

The development of an upper air trough across western sections of the Lower 48 states with southwesterly flow across the Midwest led to a significant change in weather during the last week of April and the first week of May with above normal temperatures which allowed rapid progress of most spring fieldwork activities and accelerated early growth and development of overwintering crops. Much of the corn crop was planted during the first two weeks of May and emergence began during the 2nd week of the month. There were several brief incursions of cool, Canadian-origin air into the region associated with a temporary troughing feature across eastern Canada during the middle of the month. Scattered frost and

freezing temperatures were observed mostly across northern and interior central sections of the state on the 12th-14th and again on the 19th and 20th, but besides a slowdown in the rates of germination and emergence, impacts of the cold readings were generally minor.

During the third week of May, southwesterly or southerly flow at low levels across southern and central states allowed the transport of moisture from subtropical sources in the eastern Pacific and Gulf of Mexico into the Great Lakes region. The result was a very active weather pattern with almost daily rainfall across large sections of the western and central USA. In Michigan, rainfall was especially persistent and occasionally heavy during the third week of May and the second week of June, resulting in major fieldwork delays and localized flooding in some northeastern and southern portions of Lower Michigan. The wet weather dramatically changed soil moisture conditions for many areas of the state from too dry to abnormally wet. Corn planting was generally completed in early June, but cool temperatures continued to slow emergence and early vegetative development.

The active storm track that established itself during late May continued into the last week of June, resulting in much above normal precipitation totals across sections of Lower Michigan. The pattern also led to a major severe weather outbreak on the 22nd of June that included several tornadoes, high winds, heavy rain and flooding. June precipitation totals varied greatly by location across the state, ranging from less than 2.00" (less than 75% of normal) across a few northern sections to more than 10.00" (greater than 300% of normal) across south central and southeastern sections of Lower Michigan. June precipitation totals across the southern three tiers of counties approached long term records for the wettest June on record in some locations. In terms of temperature, mean monthly values fell back to cooler than normal values across most sections of the state, with departures generally running at 1-4°F below the long term normals. The cool, wet conditions stressed early vegetative growth of most spring-planted crops, with localized flooding, major difficulties with forage harvest, lodging of winter grains, heavy weed and disease pressure, and to the loss of nitrogen from the crop rooting zone. By the end of June, the jet stream across North America shifted to a western ridge, eastern troughing pattern, leaving Michigan and the Great Lakes region under northwesterly flow and drier, more benign weather.

During the second week of July a large upper air ridge developed over central sections of the continental USA. This pattern generally persisted for much of the remainder of the growing season and brought warmer, more seasonable temperatures.

- Weather Continued On Page 6.

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

COUNTY	MAY			JUNE			JULY			AUGUST			SEPTEMBER			SEASON				
	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV		
Zone 1	BRANCH & CASS (Coldwater)	TEMP	61.8	58.2	3.6	67.1	67.3	-0.2	68.6	71.3	-2.7	68.3	69.3	-1.0	66.1	61.6	4.5	66.4	65.5	0.8
		PPT	4.89	3.18	1.71	7.56	3.67	3.89	4.37	3.13	1.24	3.07	3.69	-0.62	2.34	3.61	-1.27	22.23	17.28	4.95
		GDD	421	344	77	532	527	5	584	648	-64	574	597	-23	511	396	115	2622	2512	110
Zone 2	LENAWEE & WASHTENAW (Hudson)	TEMP	62.0	58.2	3.8	67.0	68.0	-1.0	69.3	72.3	-3.0	69.1	70.3	-1.2	67.1	62.7	4.4	66.9	66.3	0.6
		PPT	2.99	2.97	0.02	8.73	3.51	5.22	2.27	3.00	-0.73	1.44	3.38	-1.94	1.92	3.34	-1.42	17.35	16.20	1.15
		GDD	426	346	80	522	541	-19	592	675	-83	588	624	-36	515	415	100	2643	2601	42
Zone 3	WOOD (OH) (Bowling Green)	TEMP	64.9	60.0	4.9	69.3	70.1	-0.8	71.1	73.2	-2.1	71.1	71.0	0.1	69.0	64.3	4.7	69.1	67.7	1.4
		PPT	5.09	3.85	1.24	7.03	3.41	3.62	4.84	3.76	1.08	5.42	3.81	1.61	2.21	2.86	-0.65	24.59	17.69	6.90
		GDD	480	371	109	590	595	-5	655	691	-36	657	641	16	566	454	112	2948	2752	196
Zone 4	ALLEGAN (Fennville)	TEMP	58.4	58.2	0.2	66.4	67.3	-0.9	69.6	71.5	-1.9	68.3	69.7	-1.4	66.7	62.2	4.5	65.9	65.8	0.1
		PPT	4.75	3.43	1.32	3.65	3.74	-0.09	3.33	3.43	-0.10	1.38	3.77	-2.39	2.51	4.01	-1.50	15.62	18.38	-2.76
		GDD	341	340	1	509	526	-17	600	655	-55	585	610	-25	524	406	118	2559	2537	22
Zone 5	INGHAM (MSU)	TEMP	61.2	58.2	3.0	66.4	67.3	-0.9	70.2	71.3	-1.1	69.5	69.3	0.2	66.5	61.6	4.9	66.8	65.5	1.2
		PPT	3.77	3.18	0.59	9.07	3.67	5.40	2.39	3.13	-0.74	6.82	3.69	3.13	1.34	3.61	-2.27	23.39	17.28	6.11
		GDD	406	344	62	513	527	-14	628	648	-20	608	597	11	516	396	120	2671	2512	159
Zone 6	SAGINAW (Saginaw)	TEMP	61.6	57.0	4.6	67.3	66.1	1.2	71.8	70.6	1.2	70.2	68.4	1.8	67.6	60.7	6.9	67.7	64.6	3.1
		PPT	3.34	2.83	0.51	4.08	3.21	0.87	2.38	2.83	-0.45	5.50	3.38	2.12	4.31	3.81	0.50	19.61	16.06	3.55
		GDD	413	317	96	538	495	43	671	627	44	630	573	57	538	373	165	2790	2385	405
Zone 7	HURON (Pigeon)	TEMP	58.6	57.0	1.6	62.5	66.1	-3.6	68.4	70.6	-2.2	71.6	68.4	3.2	63.3	60.7	2.6	64.9	64.6	0.3
		PPT	2.72	2.83	-0.11	2.80	3.21	-0.41	2.15	2.83	-0.68	4.16	3.38	0.78	3.67	3.81	-0.14	15.50	16.06	-0.56
		GDD	351	317	34	420	495	-75	573	627	-54	517	573	-56	421	373	48	2282	2385	-103
Zone 8	MASON (Ludington)	TEMP	57.1	56.1	1.0	61.6	65.0	-3.4	65.2	69.7	-4.5	65.7	68.0	-2.3	59.3	60.2	-0.9	61.8	63.8	-2.0
		PPT	3.88	2.98	0.90	2.36	3.26	-0.90	2.07	2.74	-0.67	2.14	4.03	-1.89	3.14	3.59	-0.45	13.59	16.60	-3.01
		GDD	312	302	10	390	471	-81	525	609	-84	535	564	-29	478	362	116	2240	2308	-68
Zone 9	MONTCALM (Entrican)	TEMP	59.2	56.7	2.5	64.7	65.6	-0.9	68.0	69.9	-1.9	67.4	67.6	-0.2	65.4	59.6	5.8	64.9	63.9	1.1
		PPT	2.96	2.95	0.01	4.79	3.30	1.49	1.72	2.74	-1.02	2.42	3.85	-1.43	3.90	3.71	0.19	15.79	16.55	-0.76
		GDD	355	323	32	458	488	-30	541	610	-69	518	555	-37	488	357	131	2360	2333	27
Zone 10	GRAND TRAVERSE (NWMHS)	TEMP	57.2	53.9	3.3	62.7	62.9	-0.2	70.2	67.8	2.4	69.8	66.1	3.7	67.0	58.3	8.7	65.4	61.8	3.6
		PPT	3.77	2.61	1.16	2.02	3.09	-1.07	1.07	3.05	-1.98	2.08	3.52	-1.44	4.32	3.78	0.54	13.26	16.05	-2.79
		GDD	342	270	72	415	425	-10	627	556	71	614	513	101	528	317	211	2526	2081	445
Zone 11	IOSCO (Standish)	TEMP	56.3	57.0	-0.7	60.8	66.1	-5.3	67.2	70.6	-3.4	66.6	68.4	-1.8	63.4	60.7	2.7	62.9	64.6	-1.7
		PPT	3.67	2.83	0.84	4.59	3.21	1.38	1.16	2.83	-1.67	5.07	3.38	1.69	2.86	3.81	-0.95	17.35	16.06	1.29
		GDD	308	317	-9	373	495	-122	547	627	-80	524	573	-49	441	373	68	2193	2385	-192
Zone 12	MENOMINEE (Stephenson)	TEMP	51.8	52.1	-0.3	57.4	60.7	-3.3	65.8	65.5	0.3	63.6	63.8	-0.2	61.7	55.2	6.5	60.1	59.5	0.6
		PPT	2.98	1.08	1.90	3.64	3.47	0.17	2.08	3.54	-1.46	2.77	3.57	-0.80	2.31	3.66	-1.35	13.78	15.32	-1.54
		GDD	220	225	-5	286	386	-100	511	498	13	441	459	-18	397	265	132	1855	1833	22
Zone 13	DELTA (Escanaba)	TEMP	51.9	52.1	-0.2	59.0	60.7	-1.7	66.8	65.5	1.3	64.7	63.8	0.9	62.4	55.2	7.2	61.0	59.5	1.5
		PPT	3.46	1.08	2.38	2.70	3.47	-0.77	1.10	3.54	-2.44	3.03	3.57	-0.54	3.66	3.66	0.00	13.95	15.32	-1.37
		GDD	226	255	-29	333	386	-53	537	498	39	459	459	0	425	265	160	1980	1863	117

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 2015
NORM = Normals calculated over 30 year period (1981-2010)
DEV = Deviation of observed from normal

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

- Weather Continued From Page 4

During late July and early August, the ridge brought a prolonged period of hot, dry weather to Michigan. Many southern observing sites recorded their first 90°F or greater high temperatures of the season (the first such temperatures at many sites since early September of 2013). The warmer weather accelerated crop growth and development rates statewide. For the month of July, mean temperatures ranged from near normal across northern sections of the state to as much as 3°F below normal in the extreme south. With the primary storm track remaining south of the state, July precipitation totals varied significantly, ranging from less than 0.50" across northern sections of the Lower Peninsula (less than 25% of normal) to more than 5.00" (greater than 150% of normal) along the Indiana/Ohio border. Given warmer temperatures late in the month and increasing crop water use rates as most crops advanced towards full canopy, soil moisture levels fell rapidly in most areas, especially northern Lower Michigan. As of the end of July, the U.S. Drought Monitor had added sections of the northern and central Lower Peninsula to the 'D0 Abnormally Dry' category. Corn crops across the state generally passed through critical tassel and pollination states during the last two weeks of July and first week of August, on average just a few days behind normal.

Deep low-level moisture and strong upper level winds ahead of a cold frontal passage led to a major severe weather outbreak across much of the state and region on August 2nd which included large hail, high winds, and widespread power outages and property damage. Most severe damage was reported across northern sections of the Lower Peninsula where wind speeds in some locations reached 100 mph. The upper air ridging feature also brought an extended period of unseasonably warm and humid weather to Michigan from late August and through early September. The warm temperatures were helpful for late season growth and development of crops delayed by cooler than normal temperatures earlier in the growing season. For the month of August, mean temperatures generally ranged from 1-3°F below normal across southern and western sections of the state to 1-3°F above normal across the north and east. Precipitation totals for the month were highly variable, ranging from less than 2.0" across northern sections of the Upper Peninsula to more than 5.00" (greater than 150% of normal) in central and eastern portions of Lower Michigan. At the end of August, moisture deficits were a continuing concern across the northern Upper and northwestern Lower Peninsulas, with both areas remaining in the U.S. Drought Monitor's 'D0 Abnormally Dry' category. Soil moisture generally remained at adequate levels elsewhere in the state.

With the general continuation of the upper air ridging pattern over the Upper Midwest, September was much warmer and drier than normal. Mean temperatures for September generally ranged from 4°F across southern sections of the state to 7°F above normal in the north, which left the month in the record books among the warmest 10 percent of Septembers on record. Precipitation totals ranged from less than 3.0" across southern sections of the Lower Michigan and the central Upper Peninsula to more than 5.00" across the northwestern Lower Peninsulas (approximately 50-150% of normal). Given below normal humidities and cloudiness, the weather was nearly ideal for crop maturation and grain drydown.

The passage of a trough through the region in early October brought at least a temporary end to the abnormal warmth and to the first freezing temperatures of the season to interior sections of northern Lower Michigan.

The persistent upper air ridging pattern was replaced by a deep troughing feature across the region in Mid-October. The trough brought cooler, more seasonable weather to the region as well as the first freezing temperatures of the season to most central and southern sections of Michigan on the 17th, 18th, and 19th. Over most of these areas, the first freeze was climatologically at least one week later than normal. Portions of the central and eastern Upper and northern Lower Peninsulas also reported their first measurable snowfall of the season with this system. Collectively, the milder and drier than normal conditions during most of September and early October favored nearly all forms of fall fieldwork activities, resulting in a number of both prolonged and high quality opportunities. Growing degree day totals for the season surged to at least normal levels over all but central sections of the state, with most locations ending the May through September growing season 50-100 units above normal, which roughly translates into 5-10 calendar days ahead of normal.

- Season Continued From Page 3

We began harvesting silage plots on September 8th in Wood County, Ohio and finished on October 2nd with the Osceola County silage plot. After a couple years of talking about it, we were finally able to purchase new silage harvesting equipment. We used a front-mounted two row Champion C1200 Kemper head along with a Rear-mounted Haldrup M-63 weigh system. We purchased a New Holland T6.175 tractor to power the units. Data was recorded on a Panasonic FZ-G1 Toughpad using Harvestmaster software. Continuous subsampling is taken to generate a composite sample of the whole plot. At the end of each plot the individual sample weight is taken along with the entire plot weight. Sub-samples were brought back to Michigan State University for further analysis. The samples were put in a WRH586-500 Grieve forced air dryer with the temperature set at 150°F. Typically we can fit 1,155 samples in the dryer at a time, a new challenge we faced this year was with the improved speed of the new chopping system we had to time our field harvest so as not to get ahead of available dryer space.

Zone 4 Menominee silage, (late), was dropped due to late spring rain events and Zone 1 Lenawee, (early), was dropped due to low emergence issues.

Grain harvest began on October 18th in Ingham County and ended in Montcalm County on November 16th. Montcalm Conventional Grain and Menominee Early Grain trials were dropped.

Table A (pg. 5) presents 2015 accumulations of temperature, rainfall, and heat units, plus their deviation from 30 year norms. Data is obtained from Michigan State University weather stations located closest to each plot location. Actual accumulation at each location may vary slightly. The weather summary is provided by Dr. Jeff Andresen from the Department of Geography using data from the Michigan State University Agricultural Weather Office.

2015 GRAIN PERFORMANCE TRIALS

Introduction

The grain index (pg. 28) contains a list of all hybrids planted in the 2015 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, Iosco and Menominee (Menominee zone 4 dropped 2015)

Table 5 Zone 5 – Delta and Menominee (E)

Tables 6E/6L Conventional Trial – Huron (Zone 3), Montcalm (Zone 3 dropped 2015), and Saginaw (Zone 2)

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

Methods

Three trial locations were planted in each of five maturity zones. These zones were 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 zone 1, zone 2, and zone 3 were divided into two maturity groups, (early and late), on the basis of relative maturity (RM) provided by the seed companies. In zone 4 and zone 5, all hybrids were tested in one group.

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

Experimental design, data acquisition, analysis of variance and data summarization were facilitated in part by AGROBASE Generation II™ SQL (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 AgBio Research Stations. All hybrids in a location were managed uniformly 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 (Montcalm conventional dropped 2015), counties were irrigated.

Stand counts were recorded in June. Plots with stand counts higher than the desired population were thinned at that time. Average trial population plus the desired population rates are listed with other important agronomic information in Table B (pg. 27). Lodging measurements were made during 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 Harvest Master™ single plot high capacity Grain Gage™ System mounted on a Massey Ferguson 8XP plot combine. Grain yield is reported at the 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

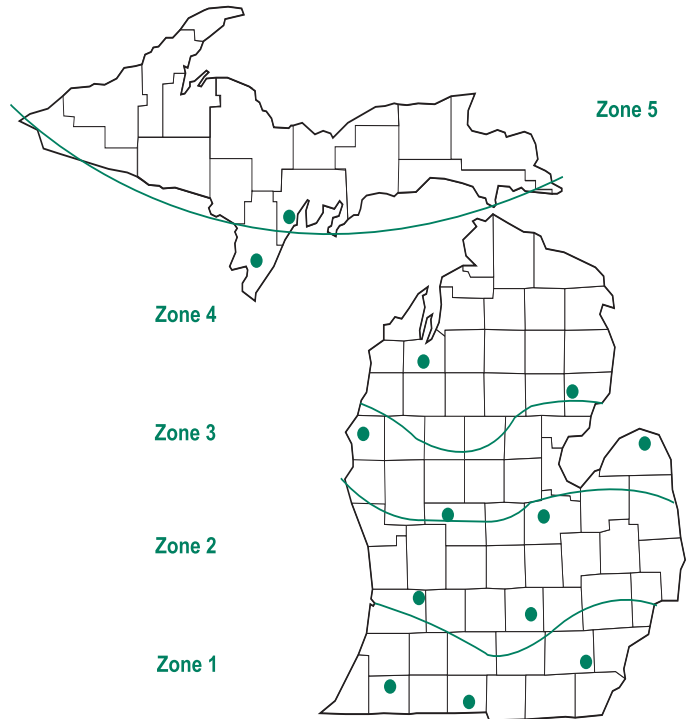
values should be used to determine relative rank and not as a precise weight.

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).

2015 Grain Trial Locations



	99 P500	102 P500	104 P500	105 P500	107 ENC	100 ENC	103 ENC	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)								
SPECIALTY 29A263	15.4	221.0	56.9	0.2	99	12.3	197.5	57.4	0.6	96	16.7	234.8	55.7	0.0	100	17.1	230.7	57.6	0.0	99
SPECIALTY 32A323	15.7	230.7*	56.0	0.2	100	12.5	200.6*	56.5	0.6	99	17.1	226.9	55.3	0.0	100	17.5	264.5**	56.1	0.0	100
SPECIALTY 34A413	17.8	223.4	57.2	0.3	96	12.8	192.5	57.9	0.9	93	19.9	234.7	56.2	0.0	100	20.6	242.9	57.5	0.0	94
SPECIALTY 35A655	18.3	219.0	56.8	0.3	96	12.9	198.9	57.4	0.8	95	21.0	222.4	55.7	0.0	99	21.1	235.8	57.4	0.0	95
WELLMAN W2307DP	19.4	236.4*	56.3	0.8	98	13.0	215.8*	56.8	2.3	99	22.9	244.7*	55.4	0.0	100	22.3	248.6*	56.7	0.0	95
WELLMAN W2401DP	15.4	225.7	58.5	0.4	95	12.7	202.3*	58.0	1.1	99	17.2	225.7	59.7	0.0	100	16.4	249.1*	57.7	0.0	87
WELLMAN W2603DP	17.6	215.6	58.3	0.0	97	13.1	182.9	59.1	0.0	91	19.8	226.2	57.1	0.0	99	19.9	237.6	58.7	0.0	100
AVERAGE	17.8	219.6	56.9	0.3	97	13.0	193.8	57.8	0.9	97	20.2	226.2	55.8	0.0	99	20.2	238.7	57.1	0.0	97
HIGHEST	21.8	236.9	58.8	2.4	100	14.1	216.8	59.9	7.3	100	26.3	253.4	59.7	0.0	100	25.3	264.5	59.2	0.0	100
LOWEST	14.2	200.3	55.0	0.0	85	12.2	158.8	55.8	0.0	87	15.4	197.0	53.3	0.0	86	14.8	209.0	54.6	0.0	81
CV (%)	4.7	6.6	1.7	361.9	5.0	3.2	7.2	1.7	208.9	5.0	4.5	5.9	1.6	0.0	3.0	5.3	6.6	1.8	0.0	7.0
LSD (5%)	0.6	9.7	0.6	0.7	3.0	0.5	16.4	1.1	2.1	6.0	1.1	15.7	1.0	0.0	3.0	1.3	18.5	1.2	0.0	8.0

2 Year Averages 2015 - 2014																											
BRAND / HYBRID	RM	TRT	TRAIT	Early - TRIAL AVERAGE						Branch - Early						Cass - Early						Washtenaw - Early					
				%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd				
AGRIGOLD A6416STXRIB	107	P500	1,2,3,4,6	22.1	221.2*	54.9	0.1	100	16.7	223.3	56.3	0.3	99	22.1	223.3	54.4	0.0	100	26.4	217.1	54.2	0.0	100				
BECK XL 5140HR™*	105	ESC	1,2,4	21.6	226.5*	55.7	0.0	97	16.6	220.6	57.3	0.0	95	22.5	228.6*	55.5	0.0	100	25.8	230.4*	54.4	0.0	98				
DEKALB DKC52-84 GENSSRIB	102	P500	1,2,3,4,6	17.5	215.6	54.5	0.0	99	14.6	208.7	55.2	0.1	98	18.3	217.1	53.9	0.0	100	19.6	221.0*	54.6	0.0	99				
DEKALB DKC54-38 GENSSRIB	104	P500	1,2,3,4,6	19.9	212.9	56.0	0.0	98	15.5	201.9	57.1	0.0	96	19.6	216.9	55.8	0.0	100	24.6	219.7	55.0	0.0	97				
DEKALB DKC55-20 GENSSRIB	105	P500	1,2,3,4,6	19.4	224.5*	55.0	0.0	98	15.4	228.4*	56.2	0.1	99	20.0	215.3	54.1	0.0	99	22.8	229.7*	54.8	0.0	97				
DEKALB DKC57-75 GENSSRIB	107	P500	1,2,3,4,6	21.6	215.6	54.5	0.1	99	15.7	211.7	55.9	0.4	99	23.0	218.6	54.0	0.0	100	26.1	216.4	53.5	0.0	100				
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6	19.7	226.4*	55.7	0.1	98	15.5	230.5*	56.5	0.3	97	20.1	227.1	55.6	0.0	98	23.5	221.8*	55.0	0.0	100				
GREAT LAKES 5566STX	105	P500	1,2,3,6	20.7	215.1	57.2	0.0	100	16.7	210.8	58.4	0.0	99	20.8	210.4	56.9	0.0	100	24.6	224.0*	56.4	0.0	100				
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	21.9	222.4*	55.2	0.1	98	16.9	230.3*	56.1	0.3	97	22.8	219.6	54.6	0.0	100	26.2	217.3	54.9	0.0	97				
M&W SEEDS 45A38	101	P250	1,2,3,4,6	17.7	224.8*	56.3	0.0	94	15.0	226.7*	56.8	0.0	93	17.9	216.5	55.7	0.0	94	20.2	231.2**	56.3	0.0	95				
M&W SEEDS 45J99	104	P250	1,2	19.3	209.0	56.7	0.0	98	15.5	198.1	57.2	0.0	97	20.0	211.5	56.5	0.0	97	22.4	217.5	56.5	0.0	99				
M&W SEEDS 45M80	103	P250	1,2,3,4,6	19.7	206.6	55.5	0.0	96	15.4	194.4	56.1	0.0	92	20.1	210.5	55.0	0.0	96	23.6	215.0	55.3	0.0	99				
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	21.6	227.7**	55.8	0.0	97	16.3	237.8**	57.9	0.0	97	22.1	227.8*	55.5	0.0	96	26.3	217.4	54.1	0.0	98				
RENK RK699SSTX	105	P500	1,2,3,4,6	21.6	203.7	55.3	0.0	91	16.9	197.2	56.5	0.0	91	22.1	202.0	54.9	0.0	90	25.8	211.8	54.5	0.0	90				
RENK RK712SSTX	106	P500	1,2,3,4,6	21.4	204.5	56.0	0.1	97	16.4	209.1	56.6	0.2	99	22.5	204.3	55.8	0.0	99	25.3	200.1	55.5	0.0	93				
RENK RK776SSTX	107	P500	1,2,3,4,6	22.4	215.8	55.5	0.1	99	16.9	209.3	56.4	0.4	99	24.0	216.0	55.1	0.0	99	26.3	222.1*	55.2	0.0	97				
RUPP XRD05-04	105	P250	1,2	19.7	222.0*	55.7	0.2	100	15.1	216.6	56.0	0.6	100	20.3	223.7	55.5	0.0	100	23.8	225.5*	55.7	0.0	100				
RUPP XRJ03-31	103	C250	1,2,3,4,6	19.5	211.5	55.5	0.2	98	15.4	208.5	56.8	0.7	97	20.0	210.4	55.0	0.0	98	23.0	215.6	54.7	0.0	100				
RUPP XRJ07-20	107	P250	1,2,3,4,6	21.6	206.6	55.9	0.3	99	16.3	209.0	57.5	0.9	98	22.2	211.3	55.5	0.0	99	26.3	199.6	54.9	0.0	98				
SEED CONSULTANTS SCS 10HR43™	104	PT250	1,2,4	21.7	226.2*	55.5	0.3	98	16.7	217.3	57.2	1.0	98	22.1	238.5**	55.1	0.0	100	26.5	222.8*	54.1	0.0	96				
SPECIALTY 32A323	102	P500	1,2,3,4,6	18.0	221.0*	55.1	0.1	99	14.7	216.0	55.9	0.3	98	18.5	217.4	54.7	0.0	100	20.9	229.6*	54.6	0.0	100				
SPECIALTY 34A413	104	P500	1,2,3,4,6	20.0	216.8	56.0	0.1	98	15.3	210.0	56.8	0.4	96	20.8	220.3	55.6	0.0	100	23.9	220.1*	55.5	0.0	97				
WELLMAN W2307DP	107	ENC	1,2	22.6	227.4*	54.7	0.7	98	17.1	230.0*	55.7	2.0	98	23.7	228.2*	54.4	0.0	99	26.9	223.9*	54.0	0.0	97				
WELLMAN W2401DP	100	ENC	1,2	17.6	218.4	56.5	0.2	97	14.4	216.2	56.9	0.6	97	17.6	214.4	57.8	0.0	100	20.8	224.4*	55.0	0.0	93				
AVERAGE				20.4	217.6	55.6	0.1	98	15.9	215.1	56.6	0.4	97	21.0	217.9	55.3	0.0	99	24.2	219.7	54.9	0.0	98				
HIGHEST				22.6	227.7	57.2	0.7	100	17.1	237.8	58.4	2.0	100	24.0	238.5	57.8	0.0	100	26.9	231.2	56.5	0.0	100				
LOWEST				17.5	203.7	54.5	0.0	91	14.4	194.4	55.2	0.0	91	17.6	202.0	53.9	0.0	90	19.6	199.6	53.5	0.0	90				
CV (%)				6.1	6.5	1.8	388.4	4.0	5.2	7.2	1.7	242.8	5.0	4.8	6.1	1.8	0.0	3.0	7.1	6.1	1.9	0.0	5.0				
LSD (5%)				0.6	6.8	0.5	2.2	2.0	0.6	12.4	0.8	1.3	4.0	0.8	11.1	0.8	0.0	2.0	1.3	11.4	0.9	0.0	4.0				

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

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

BRAND / HYBRID	RM TRT	TRAIT	Late - TRIAL AVERAGE						Branch - Late			Cass - Late			Washtenaw - Late							
			%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd					
AGRIGOLD A6441STX	109 P500	1,2,3,6	19.4	223.3*	56.2	0.5	100	13.4	195.1	58.3	1.4	100	21.1	233.9	54.9	0.0	100	23.8	240.9*	55.4	0.0	99
AGRIGOLD A6462STXRIB	110 P500	1,2,3,4,6	22.3	227.7**	55.6	0.1	97	14.2	218.1**	57.7	0.3	100	24.4	234.5*	54.8	0.0	100	28.4	230.5	54.2	0.0	92
AGRIGOLD A6472VT3PRIB	110 P500	1,2,3	20.5	207.3	56.9	0.0	98	13.1	190.6	59.6	0.0	99	23.8	217.6	56.0	0.0	99	24.8	213.7	55.2	0.0	96
BECK XL 5828AM**	110 ESC	1,2,4	20.9	224.9*	55.4	0.6	100	14.6	195.9	57.8	1.7	100	22.2	235.5*	55.0	0.0	100	26.1	243.5*	53.4	0.0	100
BECK XL 5840AM**	108 ESC	1,2,4	20.7	203.1	55.6	0.5	99	13.7	175.2	58.2	1.4	100	23.4	225.7	54.7	0.0	99	24.9	208.4	54.0	0.0	98
BECK XL 5939AM**	109 ESC	1,2,4	21.5	205.3	55.9	1.5	99	14.0	186.6	58.1	4.5	100	23.9	221.0	54.9	0.0	99	26.7	208.3	54.6	0.0	99
DAIRYLAND SEED DS-9409RA	109 C500	1,2,3,4,6	19.8	206.2	56.1	1.4	100	13.5	181.9	58.0	4.2	100	21.4	229.4	55.9	0.0	100	24.4	207.4	54.3	0.0	101
DAIRYLAND SEED DS-9508RA	108 C500	1,2,3,4,6	20.2	219.8*	53.8	0.0	99	13.3	191.2	55.4	0.0	99	23.5	239.3*	52.6	0.0	100	23.8	229.1	53.5	0.0	99
DEKALB DKC58-06 GENSSRIB	108 P500	1,2,3,4,6	19.9	222.0*	57.5	0.3	97	13.7	211.7*	59.7	0.9	98	22.4	226.5	56.2	0.0	96	23.6	227.7	56.5	0.0	96
DEKALB DKC60-67 GENSSRIB	110 P500	1,2,3,4,6	19.1	220.2*	58.6	0.2	99	13.2	207.4*	60.1	0.6	99	21.4	232.0	58.3	0.0	100	22.7	221.3	57.4	0.0	98
DEKALB DKC62-08 GENSSRIB	112 P500	1,2,3,4,6	22.0	207.9	55.4	0.0	99	13.4	182.9	56.5	0.0	99	25.3	229.8	54.5	0.0	100	27.3	211.1	55.2	0.0	99
DYNAGRO D48SS38	108 P500	1,2,3,4,6	19.4	212.4	57.4	0.0	100	13.1	190.3	58.9	0.0	100	22.3	223.4	56.3	0.0	100	22.9	223.5	57.0	0.0	99
DYNAGRO D51SS54	111 500	1,2,3,4,6	22.3	226.5*	55.8	0.0	97	15.2	209.0*	57.8	0.0	100	24.6	234.8*	54.9	0.0	99	27.2	235.8	54.7	0.0	91
GOLDEN HARVEST G09E98-3000GT	109 C500	1,2,3,4	20.2	216.1	57.8	0.0	100	13.9	194.2	60.2	0.0	100	22.3	233.7	57.0	0.0	100	24.4	220.5	56.2	0.0	99
GREAT LAKES 5918STXRIB	109 P500	1,2,3,6	20.6	212.0	56.4	0.5	98	13.3	195.7	59.0	1.4	99	23.4	234.0	54.8	0.0	100	25.2	206.3	55.3	0.0	96
GREAT LAKES 5944STXRIB	109 P500	1,2,3,6	20.9	213.8	55.8	0.2	97	13.2	180.6	58.0	0.6	99	23.6	226.2	54.6	0.0	97	25.8	234.7	54.7	0.0	96
GREAT LAKES 6068STXRIB	110 P500	1,2,3,6	21.3	202.0	55.9	0.1	98	13.8	178.7	58.3	0.3	100	24.5	229.6	54.2	0.0	100	25.6	197.6	55.2	0.0	93
KEY 610QR	110 ENC	1,2,3	19.4	217.3	54.7	0.0	100	13.8	194.5	56.8	0.0	100	23.6	228.6	52.8	0.0	100	20.7	228.8	54.5	0.0	100
LEGACY SEEDS L-6913 GENSS RIB	108 P500	1,2,3,4,6	20.0	206.2	56.8	0.5	98	12.8	190.5	58.3	1.4	99	23.5	232.7	55.7	0.0	99	23.8	195.4	56.3	0.0	97
M&W SEEDS 44D81	108 P250	1,2	18.8	220.0*	55.8	0.1	99	12.3	203.4*	56.1	0.3	99	20.9	239.5*	55.8	0.0	100	23.3	217.2	55.6	0.0	99
NK Brand N63R-3000GT Brand	109 C500	1,2,3,4	19.9	222.7*	57.9	0.5	97	13.2	199.3	59.8	1.4	100	21.7	237.4*	57.4	0.0	93	24.8	231.4	56.6	0.0	99
NK Brand N66V-3000GT	110 C500	1,2,3,4	19.5	205.0	57.6	1.0	99	12.6	169.1	59.1	3.1	100	22.5	236.8*	57.1	0.0	99	23.4	209.1	56.6	0.0	97
NK Brand N70J-3011A	112 C500	1,2,3,4,A	20.0	199.0	56.9	0.2	99	13.5	178.0	58.6	0.6	98	25.6	228.1	55.2	0.0	99	20.8	190.9	56.8	0.0	100
NuTech/G2 GENETICS 5F-510**	110 P500	1,2,4,6	20.1	215.6	57.9	0.2	98	14.1	188.1	59.6	0.6	100	22.6	229.7	56.8	0.0	100	23.6	228.9	57.2	0.0	95
NuTech/G2 GENETICS 5F-709**	109 P500	1,2,4,6	20.3	223.7*	55.9	0.6	98	14.4	182.1	58.4	1.7	98	22.7	234.5*	54.6	0.0	100	23.9	254.4**	54.6	0.0	97
NuTech/G2 GENETICS 5Z-308**	108 P500	1,2,4,6	19.7	219.1*	56.8	0.4	99	13.3	185.5	58.1	1.1	100	22.0	250.6**	56.3	0.0	98	23.9	221.2	55.9	0.0	100
RENK RK791SSTX	108 P500	1,2,3,4,6	19.1	216.0	56.9	0.1	92	12.7	193.6	57.9	0.3	95	21.3	247.8*	56.1	0.0	93	23.2	206.8	56.6	0.0	88
RENK RK810SSTX	109 P500	1,2,3,4,6	22.3	217.7	55.5	0.8	96	13.6	187.7	57.5	2.5	100	24.6	239.0*	55.1	0.0	94	28.6	226.3	54.1	0.0	95
RENK RK871VT2P	111 P250	1,2	20.2	213.8	55.4	0.2	100	13.1	183.2	57.1	0.6	100	23.5	239.1*	55.1	0.0	100	24.0	219.1	54.0	0.0	100
RUPP XRJ10-91	110 C250	1,2,3,4,6	18.8	214.9	57.2	0.0	97	12.8	188.0	58.7	0.0	98	21.9	225.2	56.3	0.0	100	21.7	231.5	56.8	0.0	93
SEED CONSULTANTS SC 10AQ96**	109 A250	1,2,3,4	19.8	217.9	56.2	0.1	94	13.3	197.8	57.4	0.3	97	23.2	237.3*	54.9	0.0	95	23.1	218.7	56.3	0.0	90
SEED CONSULTANTS SCS 1085AM**	108 P500	1,2,4	20.3	207.4	56.1	0.5	96	13.5	184.0	57.8	1.6	93	23.4	219.5	54.9	0.0	98	24.2	218.6	55.5	0.0	98
SEED CONSULTANTS SCS 1094AM**	109 C250	1,2,4	21.1	213.4	55.0	0.6	99	13.7	180.1	58.3	1.7	99	23.1	231.6	54.4	0.0	100	26.4	228.6	52.4	0.0	98
SEED CONSULTANTS SCS 1105AM**	110 P500	1,2,4	20.0	207.7	55.3	0.2	99	13.1	172.5	57.1	0.6	100	22.0	218.5	55.2	0.0	99	24.8	232.1	53.8	0.0	97
SPECIALTY 38A573	108 P500	1,2,3,4,6	19.0	221.0*	55.9	0.1	97	13.2	200.0	57.6	0.3	98	21.0	231.8	54.9	0.0	99	22.7	231.3	55.1	0.0	95
WELLMAN W2409S	109 ENC	1,2,4	19.4	219.6*	57.3	0.0	99	13.4	208.9*	59.2	0.0	100	22.3	230.0	56.2	0.0	100	22.5	219.9	56.6	0.0	96
WELLMAN W2610DP	110 ENC	1,2	22.7	218.1*	54.9	0.5	98	13.9	199.6	57.2	1.4	99	24.0	233.2	55.0	0.0	97	30.0	221.5	52.5	0.0	97
AVERAGE			20.3	214.8	56.3	0.3	98	13.5	191.1	58.2	1.0	99	22.9	231.8	55.4	0.0	99	24.5	221.4	55.3	0.0	97
HIGHEST			22.7	227.7	58.6	1.5	100	15.2	218.1	60.2	4.5	100	25.6	250.6	58.3	0.0	100	30.0	254.4	57.4	0.0	101
LOWEST			18.8	199.0	53.8	0.0	92	12.3	169.1	55.4	0.0	93	20.9	217.6	52.6	0.0	93	20.7	190.9	52.4	0.0	88
CV (%)			5.6	6.7	1.5	306.1	4.0	4.4	7.5	1.4	176.7	2.0	4.4	6.0	1.4	0.0	3.0	6.0	6.7	1.7	0.0	6.0
LSD (5%)			0.8	9.7	0.6	0.7	3.0	0.7	16.7	0.9	2.0	3.0	1.3	16.3	0.9	0.0	4.0	1.7	17.3	1.1	0.0	7.0

2 Year Averages 2015 - 2014

BRAND / HYBRID	RM	TRT	TRAIT	Late - TRIAL AVERAGE				Branch - Late				Cass - Late				Washtenaw - Late							
				%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 A6472VT3PRIB	110	P500	1,2,3	23.0	208.0	55.6	0.0	99	17.6	204.2	57.2	0.0	99	23.8	217.4	55.9	0.0	100	27.8	202.4	53.8	0.0	98
BECK XL 5828AM™*	110	ESC	1,2,4	24.5	212.3	53.7	0.4	100	18.9	210.2	55.2	1.1	100	24.1	214.8	54.2	0.0	100	30.4	211.8	51.6	0.0	100
DEKALB DKC60-67 GENSSRIB	110	P500	1,2,3,4,6	22.5	217.2	* 56.3	0.2	99	17.3	226.9**	57.8	0.6	99	22.4	218.4*	56.8	0.0	100	27.8	206.2	54.4	0.0	99
DEKALB DKC62-08 GENSSRIB	112	P500	1,2,3,4,6	27.2	205.8	53.5	0.0	100	20.3	205.4	54.5	0.0	100	28.2	216.8	53.8	0.0	100	33.2	195.1	52.2	0.0	99
DYNAGRO D48SS38	108	P500	1,2,3,4,6	23.5	209.1	55.4	0.0	99	18.6	216.5*	56.9	0.0	98	23.3	211.4	55.4	0.0	100	28.7	199.3	54.0	0.0	100
GOLDEN HARVEST G09E98-3000GT	109	C500	1,2,3,4	24.1	206.9	55.4	0.1	98	18.6	200.9	57.5	0.3	98	24.0	214.5	55.3	0.0	99	29.8	205.4	53.3	0.0	98
GREAT LAKES 5918STXRIB	109	P500	1,2,3,6	23.9	210.3	54.9	0.2	98	18.2	209.8	56.8	0.7	99	23.9	224.6*	55.1	0.0	99	29.6	196.5	53.0	0.0	97
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	25.3	201.9	53.9	0.0	97	19.8	205.0	55.7	0.1	98	26.2	212.2	53.2	0.0	99	30.0	188.5	52.8	0.0	95
LEGACY SEEDS L-6913 GENSS RIB	108	P500	1,2,3,4,6	22.9	206.1	55.1	0.2	99	18.5	206.0	56.3	0.7	98	24.0	217.4	55.0	0.0	100	26.3	194.8	54.0	0.0	98
NK Brand N63R-3000GT Brand	109	C500	1,2,3,4	23.7	221.2**	55.7	0.4	98	18.1	223.5*	57.5	1.1	99	24.1	220.4*	55.7	0.0	96	29.0	219.6*	54.0	0.0	99
NK Brand IN70J-3011A	112	C500	1,2,3,4,A	24.6	199.7	54.4	0.1	98	18.4	197.2	56.2	0.3	99	27.1	219.8*	54.0	0.0	96	28.1	182.1	53.2	0.0	100
NuTech/G2 GENETICS 5F-709™	109	P500	1,2,4,6	23.8	215.6*	54.0	0.3	97	19.3	212.4	55.8	0.8	93	24.2	210.4	53.8	0.0	98	28.0	224.0**	52.5	0.0	98
RENK RK791SSSTX	108	P500	1,2,3,4,6	22.6	212.7	54.7	0.0	94	17.1	205.7	55.3	0.1	96	22.0	230.4**	54.8	0.0	94	28.7	201.9	53.9	0.0	92
RUPP XRJ10-91	110	C250	1,2,3,4,6	23.2	204.5	55.0	0.0	98	18.0	202.3	56.4	0.0	99	24.0	209.8	55.1	0.0	100	27.6	201.3	53.6	0.0	96
SPECIALTY 38A573	108	P500	1,2,3,4,6	22.9	216.7*	54.1	0.0	99	18.0	221.7*	55.4	0.1	99	22.2	216.6	53.9	0.0	100	28.5	211.9	53.0	0.0	97
WELLMAN WZ409S	109	ENC	1,2,4	22.9	214.3	55.4	0.0	98	17.9	215.6*	56.8	0.0	98	23.0	224.0*	55.3	0.0	98	27.7	203.3	54.0	0.0	98
AVERAGE				23.8	210.1	54.8	0.1	98	18.4	210.2	56.3	0.4	98	24.2	217.4	54.8	0.0	99	28.8	202.8	53.3	0.0	98
HIGHEST				27.2	221.2	56.3	0.4	100	20.3	226.9	57.8	1.1	100	28.2	230.4	56.8	0.0	100	33.2	224.0	54.4	0.0	100
LOWEST				22.5	199.7	53.5	0.0	94	17.1	197.2	54.5	0.0	93	22.0	209.8	53.2	0.0	94	26.3	182.1	51.6	0.0	92
CV (%)				6.2	6.7	1.7	358.1	4.0	5.7	7.2	1.4	191.5	4.0	5.7	6.8	1.8	0.0	4.0	6.5	6.1	1.9	0.0	4.0
LSD (5%)				0.7	6.8	0.4	2.1	2.0	0.8	12.0	0.7	1.2	4.0	1.1	12.5	0.8	0.0	3.0	1.5	10.6	0.8	0.0	4.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

BRAND / HYBRID	2015	Early - TRIAL AVERAGE					Allegan - Early					Ingham - Early					Saginaw - Early						
		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
AGRIGOLD A6283VT2PRO	101	P500	1,2	20.6	223.0	55.8	0.0	100	23.0	216.5	54.3	0.0	100	17.4	230.8	57.8	0.0	100	20.6	221.7	55.2	0.0	100
BECK 5162A3	101	ESC	1,2,3,4	20.7	229.3	57.2	0.0	99	24.0	223.6	56.2	0.0	98	17.6	239.8	58.6	0.0	100	21.5	224.4	56.9	0.0	99
BECK XL 4721AM™*	97	ESC	1,2,4	19.5	234.6	54.4	0.0	99	21.0	226.6*	53.1	0.0	98	17.2	253.6*	56.0	0.0	99	20.3	223.7	54.3	0.0	99
CHANNEL 197-68STXRIB	97	P500	1,2,3,4,6	21.1	240.2*	56.1	0.0	98	23.1	238.7*	55.3	0.0	96	16.8	251.5	58.3	0.0	99	23.5	230.5*	54.7	0.0	100
CROPLAN 3611SSRIB	96	P500	1,2,3,4,6	19.4	234.6	57.4	0.0	97	21.7	212.8	55.9	0.0	95	15.5	250.5	59.6	0.0	98	21.0	240.4*	56.8	0.0	98
CROPLAN 3899VT2PRIB	96	P250	1,2,3	20.9	247.6**	56.3	0.0	99	23.0	240.8**	55.3	0.0	100	17.1	265.0**	58.2	0.0	97	22.8	237.1*	55.5	0.0	99
DAIRYLAND SEED DS-9198	98	P500	1,2,3,4,6	19.7	217.5	54.7	0.0	99	22.7	210.5	53.3	0.0	99	16.2	244.0	57.1	0.0	100	20.3	198.0	53.7	0.0	99
DAIRYLAND SEED DS-9599	99	C500	1,2,3,4	21.6	219.8	55.3	0.0	98	23.3	212.5	55.0	0.0	97	18.3	234.6	57.3	0.0	99	23.3	212.3	53.7	0.0	100
DAIRYLAND SEED DS-9701	101	P500	1,2,3,4,6	21.9	221.3	55.1	0.0	95	24.9	214.9	53.6	0.0	93	17.7	237.1	56.7	0.0	96	23.3	211.8	54.9	0.0	97
DEKALB DKC44-13 GENSSRIB	94	P500	1,2,3,4,6	18.4	234.3	57.2	0.0	99	20.6	225.0	56.3	0.0	97	14.8	259.0*	58.9	0.0	98	19.9	219.0	56.5	0.0	100
DEKALB DKC46-36 GENSSRIB	96	P500	1,2,3,4,6	19.8	231.5	56.4	0.0	100	22.3	225.7	55.1	0.0	100	15.2	245.4	58.5	0.0	99	22.1	223.6	55.6	0.0	99
DEKALB DKC46-79 GENSSRIB	96	P500	1,2,3,4,6	20.2	233.4	57.0	0.0	100	21.8	227.5*	56.2	0.0	100	16.5	252.8*	58.8	0.0	100	22.3	219.9	56.0	0.0	100
DEKALB DKC48-56 GENSSRIB	98	P500	1,2,3,4,6	20.4	228.0	55.9	0.0	97	22.0	207.4	54.7	0.0	90	16.8	247.0	58.0	0.0	100	22.4	229.7*	55.0	0.0	100
DEKALB DKC49-72 GENSSRIB	99	P500	1,2,3,4,6	20.0	232.6	55.1	0.0	96	21.9	227.7*	53.2	0.0	90	15.7	246.4	57.4	0.0	99	22.4	223.8	54.6	0.0	100
DEKALB DKC50-82 GENSSRIB	100	P500	1,2,3,4,6	20.2	226.1	55.8	0.0	99	22.1	216.4	53.9	0.0	99	16.4	240.9	57.9	0.0	97	22.1	221.2	55.6	0.0	100
DYNAGRO D375S60	97	P500	1,2,3,4,6	19.5	233.3	57.4	0.5	100	21.4	225.1	56.8	0.0	100	15.4	249.1	59.5	0.0	99	21.6	225.6	56.0	1.4	100
DYNAGRO D39VP14	99	P500	1,2,3	20.3	232.7	56.9	0.0	99	21.4	233.4*	56.3	0.0	99	16.5	250.5	58.8	0.0	98	23.0	214.2	55.7	0.0	99
DYNAGRO D39VP69	99	P500	1,2,3	19.4	220.9	56.3	0.0	98	22.5	216.9	54.8	0.0	100	15.2	230.2	58.3	0.0	94	20.5	215.5	56.0	0.0	100
DYNAGRO D40SS48	100	P500	1,2,3,4,6	20.2	232.8	56.9	0.0	98	22.1	232.2*	56.2	0.0	100	15.5	242.6	59.6	0.0	97	22.9	223.7	55.0	0.0	96
DYNAGRO D41SS71	101	P500	1,2,3,4,6	21.6	230.0	56.3	0.0	99	23.3	236.0*	55.2	0.0	98	18.4	234.3	57.9	0.0	100	23.2	219.7	55.9	0.0	100
GOLDEN HARVEST G01P52-3011A	101	C500	1,2,3,4,A	20.2	227.7	57.7	0.0	96	22.4	218.4	57.0	0.0	90	16.8	248.2	59.4	0.0	99	21.5	216.5	56.7	0.0	98
GREAT LAKES 4250VT2RIB	92	P500	1,2	16.9	226.5	56.7	0.0	99	18.3	213.3	55.1	0.0	100	13.5	245.9	58.6	0.0	97	18.7	220.2	56.5	0.0	100
GREAT LAKES 4452STX	94	P500	1,2,3,6	18.8	222.7	55.9	0.0	98	20.6	217.0	54.4	0.0	96	14.9	234.4	57.7	0.0	99	21.0	216.9	55.4	0.0	98
GREAT LAKES 4548STXRIB	95	P500	1,2,3,6	19.0	234.2	57.0	0.0	100	21.0	228.5*	56.2	0.0	99	15.2	241.2	59.3	0.0	100	20.9	232.8*	55.5	0.0	100
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6	21.3	237.0	55.6	0.0	100	23.5	236.5*	55.1	0.0	100	17.3	242.8	57.5	0.0	100	23.1	231.8*	54.3	0.0	99
LEGACY SEEDS L-3845 GENSS	97	P500	1,2,3,4,6	18.7	232.4	56.1	0.0	96	20.7	230.8*	54.9	0.0	93	15.4	242.8	57.8	0.0	99	19.9	223.5	55.6	0.0	96
LEGACY SEEDS L-4014 GENSS	98	P500	1,2,3,4,6	19.5	229.5	55.9	0.0	98	21.9	225.4	55.0	0.0	97	15.6	255.1*	57.8	0.0	99	21.0	208.0	54.9	0.0	98
LEGACY SEEDS L-4424 GENSS	100	P500	1,2,3,4,6	21.4	233.7	55.4	0.3	99	23.3	221.5	54.4	0.0	97	17.0	238.6	57.7	0.9	97	23.9	241.1**	54.0	0.0	100
LEGEND 40J501 RR	101	C250	1	19.4	222.9	56.9	0.0	96	21.0	206.9	56.7	0.0	90	15.9	239.1	58.8	0.0	100	21.2	222.8	55.2	0.0	98
LEGEND 9497 GENSS RIB	97	C250	1,2,3,6	20.5	234.6	56.4	0.0	96	21.8	232.7*	55.7	0.0	94	17.3	243.1	58.3	0.0	95	22.5	227.9	55.2	0.0	100
LEGEND 94A01 GTA	100	C250	1	20.1	220.0	56.8	0.2	95	22.0	203.7	56.2	0.0	93	16.4	229.1	58.1	0.0	94	21.8	227.1	56.2	0.6	99
M&W SEEDS 45A38	101	P250	1,2,3,4,6	19.7	236.8	57.0	0.0	93	22.1	222.9	55.8	0.0	84	15.1	258.6*	59.5	0.0	99	21.9	228.9	55.7	0.0	94
M&W SEEDS 45M34	100	P250	1,2,3,4,6	21.7	228.0	55.6	0.1	99	24.6	232.5*	54.3	0.0	99	17.5	235.8	58.2	0.0	98	23.1	215.6	54.2	0.3	98
M&W SEEDS 46G55	98	P250	1	20.9	222.7	54.6	0.0	88	22.8	212.5	53.8	0.0	86	17.0	245.2	56.9	0.0	97	22.9	210.4	53.1	0.0	87
M&W SEEDS 46J11	96	P250	1,2	18.9	229.3	57.1	0.0	98	22.0	227.4*	55.6	0.0	90	15.6	236.9	59.5	0.0	97	19.1	223.7	56.2	0.0	100
M&W SEEDS 46K79	98	P250	1,2,4,6	19.9	233.9	57.0	0.0	96	20.9	239.0*	56.5	0.0	95	16.6	243.2	59.4	0.0	95	22.4	219.5	55.0	0.0	99
M&W SEEDS 47J66	94	P250	1,2	18.5	223.6	57.0	0.0	99	20.0	223.3	56.8	0.0	98	15.0	233.2	58.8	0.0	99	20.5	214.2	55.5	0.0	99
MYCOGEN 2A499	99	C500	1,2,3,4,6	20.8	221.4	56.6	0.0	100	22.2	216.1	56.0	0.0	99	17.9	232.2	58.1	0.0	100	22.4	215.9	55.6	0.0	100
NK Brand N45P-3011A	101	C500	1,2,3,4,A	20.2	228.3	57.3	0.0	96	22.3	227.6*	56.6	0.0	96	17.1	244.0	58.4	0.0	92	21.2	213.4	57.0	0.0	99
NuTech/G2 GENETICS 5F-196™	96	P500	1,2,4,6	19.7	234.4	54.1	0.0	91	21.0	221.6	52.9	0.0	83	17.6	256.7*	55.5	0.0	100	20.6	224.9	53.9	0.0	92
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6	19.1	227.2	53.4	0.3	97	21.7	228.9*	52.5	0.0	93	16.2	245.7	55.7	0.0	99	19.4	207.1	52.0	0.9	98
NuTech/G2 GENETICS 5F-701™	101	P500	1,2,4,6	20.8	232.5	56.6	0.0	95	22.5	232.3*	56.0	0.0	93	17.7	250.6	57.6	0.0	93	22.3	214.7	56.2	0.0	97
NuTech/G2 GENETICS 5Z-0107™	101	P500	1,2,4,6	21.7	231.4	55.5	0.0	99	24.5	228.5*	53.8	0.0	98	17.7	257.5*	57.8	0.0	99	22.8	208.3	55.0	0.0	100
PARTNERS BRAND PB6255 VT2P	92	C250	1,2	18.8	213.4	57.3	0.0	98	20.5	203.2	56.3	0.0	100	15.0	227.7	59.3	0.0	96	21.0	209.3	56.4	0.0	99
RENK RK596SSTX	98	P500	1,2,3,4,6	19.3	222.6	56.5	0.0	97	21.9	219.4	54.8	0.0	95	15.3	237.0	58.6	0.0	99	20.7	211.5	56.1	0.0	98

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

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	%Sd
AGRIGOLD A6267STXRIB	102	P500	1,2,3,4,6	22.8	243.0	55.0	0.0	99	23.6	251.9*	53.3	0.0	98	19.3	254.9*	56.9	0.0	99	25.6	222.2	54.8	0.0	100
AGRIGOLD A6300STXRIB	103	P500	1,2,3,4,6	21.7	230.9	56.2	0.0	100	23.0	236.5	54.8	0.0	100	18.2	239.6	57.9	0.0	99	24.0	216.6	55.9	0.0	99
AGRIGOLD A6355STX	105	P500	1,2,3,6	24.9	222.7	54.2	2.3	99	27.0	242.9	53.0	0.0	99	21.1	241.6	56.5	0.0	97	26.7	183.7	53.1	7.0	100
BECK XL 5140HR™*	105	ESC	1,2,4	24.2	253.3**	55.4	0.0	99	25.9	260.3**	54.4	0.0	100	19.7	265.8**	58.1	0.0	100	27.0	233.9*	53.9	0.0	97
BECK XL 5234AM™*	102	ESC	1,2,3,4	20.8	233.7	56.4	0.0	99	21.9	246.3*	55.2	0.0	100	17.4	247.4	58.2	0.0	99	23.2	207.4	55.8	0.0	99
BECK XL 5460AM™*	104	ESC	1,2,4	23.4	240.6	55.3	0.0	99	25.9	233.3	54.0	0.0	98	18.9	254.2*	56.9	0.0	99	25.3	234.2*	55.0	0.0	99
CHANNEL 202-52STXRIB	102	A500	1,2,3,4,6	22.1	232.6	54.8	0.0	99	23.3	239.1	53.8	0.0	99	19.0	248.7	56.7	0.0	98	24.0	209.9	53.8	0.0	100
CROPLAN 5369SS/RIB	103	P500	1,2,3,4,6	23.9	223.0	54.8	0.0	97	26.1	235.1	53.7	0.0	98	20.2	229.8	56.5	0.0	94	25.3	204.1	54.3	0.0	97
DAIRYLAND SEED DS-9203	103	C500	1,2,3,4,6	24.8	227.8	53.4	0.0	99	25.9	232.0	52.7	0.0	99	20.7	236.9	56.0	0.0	97	27.8	214.6	51.5	0.0	100
DAIRYLAND SEED DS-9805	105	C500	1,2,3,4,6	24.9	212.9	52.7	0.8	99	27.5	219.1	51.7	0.0	100	21.4	236.6	54.9	0.6	98	25.9	183.1	51.6	1.7	100
DAIRYLAND SEED DS-9905	105	C500	1,2,3,4,6	28.1	211.0	52.2	0.0	96	31.5	222.8	50.9	0.0	90	23.0	221.4	55.8	0.0	97	29.9	188.7	50.0	0.0	100
DEKALB DKC52-84 GENSSRIB	102	P500	1,2,3,4,6	19.6	242.9	54.8	0.0	99	19.9	250.1*	53.9	0.0	98	15.9	246.9	56.4	0.0	100	23.1	231.6*	54.0	0.0	99
DEKALB DKC53-68 GENSSRIB	103	P500	1,2,3,4,6	23.3	231.2	55.7	0.3	96	25.7	228.8	54.8	0.0	95	18.8	234.8	58.4	0.9	94	25.5	229.9*	54.0	0.0	97
DEKALB DKC54-38 GENSSRIB	104	P500	1,2,3,4,6	23.5	239.4	56.5	0.4	100	25.2	235.7	54.9	0.0	100	20.1	250.9	58.2	0.0	100	25.2	231.7*	56.3	1.1	100
DEKALB DKC55-20 GENSSRIB	105	P500	1,2,3,4,6	23.5	240.9	54.1	0.0	99	25.5	248.4*	53.4	0.0	99	21.0	254.5*	56.4	0.0	99	24.1	219.9	52.5	0.0	98
DYNAMAGRO CX15104	104	P500	1,2	24.1	238.4	55.2	0.0	99	26.7	241.4	54.2	0.0	100	20.4	254.0*	57.4	0.0	96	25.2	219.8	54.1	0.0	100
DYNAMAGRO D43SS50	103	P500	1,2,3,4,6	24.6	228.9	56.5	0.0	94	26.9	239.5	55.0	0.0	89	20.3	227.4	58.5	0.0	99	26.8	219.7	56.0	0.0	95
DYNAMAGRO D48SS38	108	P500	1,2,3,4,6	27.1	217.6	55.1	0.6	92	29.4	224.1	54.4	0.0	100	23.6	236.4	56.7	1.0	97	28.4	192.4	54.2	0.9	80
GOLDEN HARVEST G05T82-3122	105	C500	1,2,3,4,6	23.9	213.8	55.0	9.8	97	25.4	211.9	54.4	0.0	95	20.5	227.9	57.3	0.0	97	25.8	201.6	53.3	29.5	100
GOLDEN HARVEST G06N80-3111	106	C500	1,2,3,4,6	26.9	215.9	52.8	0.2	99	30.8	223.1	51.4	0.0	100	21.1	224.0	55.0	0.0	96	28.9	200.5	51.9	0.6	99
GOLDEN HARVEST G07F23-3111	107	C500	1,2,3,4,6	26.6	223.7	54.1	0.0	96	30.1	241.0	52.5	0.0	96	24.4	217.3	56.1	0.0	95	25.4	212.7	53.6	0.0	98
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6	23.1	242.0	54.8	0.5	98	24.6	237.5	52.8	0.0	99	19.2	256.2*	57.3	0.0	98	25.4	232.4*	54.1	1.6	98
GREAT LAKES 5470STXRIB	104	P500	1,2,3,6	23.9	239.7	56.1	0.2	96	25.5	243.9	55.2	0.0	99	21.0	255.7*	57.5	0.0	100	25.3	219.7	55.6	0.6	88
GREAT LAKES 5566STX	105	P500	1,2,3,6	25.4	227.5	56.7	0.5	97	27.3	239.4	55.1	0.0	100	21.3	240.8	58.4	0.0	90	27.6	202.5	56.6	1.4	100
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	25.7	231.6	54.0	0.8	99	27.0	239.3	52.0	0.0	100	22.1	238.5	56.4	0.9	97	28.1	217.1	53.6	1.7	100
LEGACY SEEDS L-4714 GENSS	103	P500	1,2,3,4,6	23.2	229.1	55.1	0.0	99	25.9	226.4	53.8	0.0	98	19.6	240.8	57.1	0.0	98	24.2	220.0	54.5	0.0	100
LEGEND 9503 SSRIB	103	C250	1,2,3,6	22.0	224.9	55.5	0.5	96	23.1	227.1	54.9	0.0	90	18.6	237.0	57.6	0.0	99	24.3	210.7	53.8	1.4	100
M&W SEEDS 45M45	103	P250	1,2,3,4,6	23.2	227.0	55.5	0.0	97	24.5	227.2	55.3	0.0	93	19.8	236.6	57.0	0.0	100	25.5	217.4	54.2	0.0	98
M&W SEEDS 45M80	103	P250	1,2,3,4,6	22.9	223.0	55.5	0.0	95	25.0	218.6	54.9	0.0	92	19.3	242.6	56.9	0.0	100	24.4	210.0	54.8	0.0	94
MYCOGEN X13526VH	103	C500	1,2,3,4,6	23.2	234.3	54.2	0.0	100	26.1	243.5	51.7	0.0	100	18.5	242.8	57.1	0.0	97	24.9	216.8	53.8	0.0	103
NK Brand N53W-3122	105	C500	1,2,3,4,6	24.0	219.8	55.0	0.9	98	25.7	228.9	54.1	0.0	99	21.1	218.2	57.3	0.0	98	25.3	212.2	53.5	2.8	98
NK Brand N58S-3111	106	C500	1,2,3,4,6	25.8	221.4	53.0	0.0	100	28.9	234.5	51.7	0.0	99	20.7	226.2	55.3	0.0	99	27.8	203.4	52.1	0.0	100
NK Brand N60F-3111	107	C500	1,2,3,4,6	26.6	217.4	53.9	0.8	99	28.5	225.0	52.4	0.0	98	22.9	220.9	55.9	0.9	99	28.3	206.3	53.4	1.4	99
NuTech 5N-607™	107	P500	1,2,3,4	27.9	218.3	52.9	0.5	100	32.2	221.1	51.7	0.0	98	22.7	224.3	54.5	0.0	99	28.8	209.5	52.4	1.4	103
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	21.7	233.2	56.2	0.0	99	21.6	226.8	55.3	0.0	99	18.8	256.2*	58.3	0.0	99	24.7	216.7	55.0	0.0	100
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	23.9	247.4*	55.5	0.0	99	24.7	258.6*	54.5	0.0	100	19.6	259.1*	58.4	0.0	96	27.3	224.7*	53.6	0.0	100
NuTech/G2 GENETICS 5K-0208™	102	P500	1,2,3,4,6	24.0	233.5	53.4	0.8	99	25.3	240.3	52.3	0.0	98	21.0	246.4	55.7	1.7	98	25.8	213.7	52.3	0.9	100
NuTech/G2 GENETICS 5X-905™	105	P500	1,2,3,4,6	23.6	228.9	53.3	0.0	100	26.0	236.9	51.8	0.0	100	18.1	239.3	54.8	0.0	99	26.6	210.5	53.2	0.0	100
NuTech/G2 GENETICS 5Z-0305™	103	P500	1,2,4,6	22.6	247.5*	55.6	0.0	98	24.7	244.4	53.6	0.0	97	20.0	258.6*	57.5	0.0	100	23.2	239.4**	55.8	0.0	97
NuTech/G2 GENETICS 5Z-308™	108	P500	1,2,4,6	25.8	235.9	55.5	0.2	100	28.9	251.4*	54.4	0.0	100	20.9	253.8*	57.7	0.0	100	27.6	202.7	54.5	0.6	100
NuTech/G2 GENETICS 5Z-504™	104	P500	1,2,4,6	23.5	237.3	55.1	1.4	100	25.3	243.0	53.7	0.0	100	20.5	246.4	57.3	0.9	100	24.8	222.6	54.4	3.4	99
NuTech/G2 GENETICS 5Z-906™	106	P500	1,2,4,6	25.8	227.9	54.4	0.4	99	27.8	231.6	54.2	0.0	99	22.1	235.5	55.5	0.0	98	27.7	216.7	53.6	1.1	100
RENK RK666SSTX	102	P500	1,2,3,4,6	21.4	220.9	55.4	0.3	92	21.2	228.8	54.5	0.0	83	17.7	232.9	57.2	0.0	95	25.4	210.2	54.5	0.9	97
RENK RK699SSTX	105	P500	1,2,3,4,6	26.0	198.3	54.6	10.6	85	27.7	184.9	53.8	0.0	63	23.0	203.4	55.7	2.0	100	27.5	206.7	54.4	29.8	90
RENK RK712SSTX	106	P500	1,2,3,4,6	24.9	210.7	55.7	0.9	97	25.5	218.3	54.5	0.0	94	20.4	236.8	57.9	1.2	99	28.9	177.0	54.8	1.4	99

RUPP XRD03-71	103 A250	1,2	21.8	242.8	54.9	0.0	100	23.8	247.9 *	53.9	0.0	98	17.9	248.6	56.8	0.0	100	23.8	232.0 *	54.1	0.0	102
SEED CONSULTANTS SCS 1034A1	103 P500	1,2,4	23.2	225.9	54.3	0.2	99	24.1	235.9	53.6	0.0	98	19.4	236.5	56.4	0.0	99	25.9	205.3	52.9	0.6	100
SEED CONSULTANTS SCS 10HR4	104 P1250	1,2,4	24.1	249.5 *	55.2	0.0	98	24.6	251.9 *	54.4	0.0	96	20.5	263.7 *	57.7	0.0	99	27.3	232.8 *	53.5	0.0	99
SPECIALTY 32A323	102 P500	1,2,3,4,6	22.4	238.5	54.9	0.3	99	23.8	248.4 *	53.9	0.0	100	18.8	253.1 *	57.2	0.0	97	24.5	213.9	53.7	0.9	100
SPECIALTY 34A413	104 P500	1,2,3,4,6	24.0	237.1	55.3	0.0	98	26.5	232.0	54.5	0.0	97	20.9	245.3	57.4	0.0	97	24.6	233.9 *	54.1	0.0	100
SPECIALTY 35A655	105 P500	1,2,3,4,6	26.2	228.3	56.0	0.1	98	30.4	225.5	56.2	0.0	99	20.5	249.4	57.2	0.0	98	27.7	210.0	54.6	0.3	97
AVERAGE			24.0	229.9	54.9	0.7	98	25.9	234.9	53.7	0.0	97	20.2	240.9	56.9	0.2	98	26.0	213.8	53.9	1.8	98
HIGHEST			28.1	253.3	56.7	10.6	100	32.2	260.3	56.2	0.0	100	24.4	265.8	58.5	2.0	100	29.9	239.4	56.6	29.8	103
LOWEST			19.6	198.3	52.2	0.0	85	19.9	184.9	50.9	0.0	63	15.9	203.4	54.5	0.0	90	23.1	177.0	50.0	0.0	80
CV (%)			5.3	5.7	1.9	0.7	6.0	5.6	5.4	2.4	0.0	6.0	5.2	5.1	1.4	4.9	3.4	5.0	6.4	1.7	6.3	6.0
LSD (5%)			0.9	8.8	0.7	10.6	4.0	1.7	15.0	1.5	0.0	7.0	1.2	14.5	0.9	1.1	5.0	1.5	15.9	1.0	13.4	7.0

2 Year Averages 2015 - 2014

BRAND / HYBRID	RM	TRT	TRAIT	Late - TRIAL AVERAGE				Alleghan - Late				Ingham - Late				Saginaw - Late							
				%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
AGRIGOLD A6267STXRIB	102	P500	1,2,3,4,6	25.1	230.1 *	53.4	0.1	99	25.1	240.1	52.9	0.0	99	22.4	245.5 *	54.5	0.3	98	27.8	204.7 *	52.7	0.0	100
BECK XL 5140HR™*	105	ESC	1,2,4	25.7	234.7 **	54.1	5.9	99	26.0	249.7 **	53.5	0.0	100	22.0	247.6 *	56.1	17.6	100	29.0	206.7 **	52.8	0.0	99
BECK XL 5234AMIX™*	102	ESC	1,2,3,4	22.5	218.8	55.3	0.2	99	21.8	227.7	55.0	0.0	99	19.1	231.4	56.8	0.6	98	26.6	197.4 *	54.2	0.0	99
CROPLAN 5369SS/RIB	103	P500	1,2,3,4,6	25.4	211.4	54.1	0.2	98	26.2	221.2	53.3	0.0	99	22.2	224.0	55.4	0.7	97	27.9	188.9	53.5	0.0	99
DEKALB DKC52-84 GENSSRIB	102	P500	1,2,3,4,6	22.2	226.4	53.1	0.0	100	21.4	230.4	52.1	0.0	99	18.8	243.2 *	54.8	0.0	100	26.4	205.5 *	52.4	0.0	100
DEKALB DKC54-38 GENSSRIB	104	P500	1,2,3,4,6	25.9	222.9	54.8	0.2	100	26.7	222.5	54.0	0.0	99	23.0	240.8 *	55.9	0.1	100	28.0	205.3 *	54.5	0.6	100
DYNAGRO D48SS38	108	P500	1,2,3,4,6	27.9	212.6	53.9	0.3	96	29.2	218.4	53.5	0.0	100	24.7	228.7	55.2	0.5	98	29.8	190.7	53.0	0.5	90
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6	25.1	222.5	53.3	0.4	98	25.5	231.5	52.5	0.0	99	22.2	239.7 *	55.3	0.3	97	27.7	196.2	52.1	0.8	99
GREAT LAKES 5566STX	105	P500	1,2,3,6	26.3	209.2	54.8	0.6	98	27.4	220.2	53.7	0.0	100	22.8	230.8	56.5	1.1	95	28.8	176.6	54.3	0.7	100
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	26.6	221.1	53.3	0.7	99	26.7	231.4	52.3	0.0	100	24.0	230.7	54.9	1.1	98	29.0	201.3 *	52.7	0.8	99
M&W SEEDS 45M80	103	P250	1,2,3,4,6	24.3	210.2	53.5	0.0	97	24.2	212.9	53.8	0.0	96	21.4	231.6	54.6	0.0	99	27.3	186.0	52.1	0.0	97
NK Brand N53W-3122	105	C500	1,2,3,4,6	25.8	213.0	53.6	0.8	98	26.7	220.8	53.0	0.0	98	22.9	225.4	55.6	0.9	97	27.6	192.9	52.3	1.4	98
NK Brand N60F-3111	107	C500	1,2,3,4,6	28.1	208.5	52.7	0.4	99	28.9	214.8	51.5	0.0	99	26.1	219.0	54.0	0.4	99	29.4	191.6	52.7	0.7	99
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	23.7	220.5	54.6	0.0	99	22.6	226.1	54.2	0.0	99	20.9	246.4 *	56.5	0.0	99	27.7	189.2	53.1	0.0	99
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	25.0	234.0 *	54.4	0.0	98	24.4	249.6 *	53.7	0.0	99	21.6	248.7 **	56.5	0.0	97	29.0	203.7 *	53.0	0.0	98
RENK RK666SSTX	102	P500	1,2,3,4,6	23.5	208.8	53.9	0.1	96	21.9	217.5	53.1	0.0	92	20.7	217.4	55.3	0.0	98	27.9	191.5	53.4	0.4	99
RENK RK699SSTX	105	P500	1,2,3,4,6	26.9	200.8	53.0	5.4	92	27.6	200.5	52.1	0.0	82	24.6	212.3	54.5	1.3	99	28.6	189.6	52.6	14.9	95
RENK RK712SSTX	106	P500	1,2,3,4,6	26.4	205.7	54.2	0.4	99	26.8	220.6	53.7	0.0	97	22.8	222.6	55.8	0.6	99	29.6	173.9	53.2	0.7	100
SPECIALTY 32A323	102	P500	1,2,3,4,6	24.0	222.0	53.5	0.2	99	24.0	230.0	53.1	0.0	100	21.2	244.5 *	55.3	0.3	98	26.9	191.4	51.9	0.4	100
SPECIALTY 34A413	104	P500	1,2,3,4,6	25.2	219.9	54.0	0.2	99	26.0	226.3	53.8	0.0	99	22.2	235.4	55.5	0.6	97	27.4	198.0 *	52.9	0.0	100
AVERAGE			25.3	217.6	53.9	0.8	98	25.5	225.6	53.2	0.0	98	22.3	233.3	55.4	1.3	98	28.1	194.1	53.0	1.1	98	
HIGHEST			28.1	234.7	55.3	5.9	100	29.2	249.7	55.0	0.0	100	26.1	248.7	56.8	17.6	100	29.8	206.7	54.5	14.9	100	
LOWEST			22.2	200.8	52.7	0.0	92	21.4	200.5	51.5	0.0	82	18.8	212.3	54.0	0.0	95	26.4	173.9	51.9	0.0	90	
CV (%)			4.7	5.4	2.0	4.0	4.0	5.5	5.0	2.7	0.0	5.0	4.9	5.0	1.5	5.8	3.0	3.7	6.1	1.7	6.2	5.0	
LSD (5%)			0.6	5.7	0.5	2.0	2.0	1.2	9.4	1.2	0.0	4.0	0.9	9.7	0.7	3.9	3.0	0.8	10.1	0.7	6.7	4.0	

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 3E.

HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (97 Day and Earlier)

ZONE 3

2015		Early - TRIAL AVERAGE						Huron - Early						Mason - Early						Montcalm - Early							
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	%H2O	BU/A	Twt	%SL	%Sd	
CHANNEL 191-87STXRIB	91 A500 1,2,3,4,6	19.2	216.0	55.9	1.0	94	17.0	208.4	56.8	2.0	100	21.3	223.7	55.0	0.0	88											
CROPLAN 3499VT3PRIB	94 A250 1,2,3,4,6	21.4	227.6	55.5	0.1	96	17.4	221.0	56.7	0.3	100	25.3	234.3 *	54.3	0.0	92											
CROPLAN 3611SSRIB	96 P500 1,2,3,4,6	21.6	234.2	55.3	0.6	91	18.1	229.4	56.8	1.1	97	25.1	239.1 *	53.9	0.0	84											
CROPLAN 3899VT2PRIB	96 P250 1,2,3	22.5	243.3 *	54.5	0.3	92	19.2	235.8	55.2	0.6	97	25.8	250.8 **	53.8	0.0	87											
DAIRYLAND SEED DS-9693	93 C500 1,2,3,4,6	23.1	208.8	53.6	1.0	96	19.3	205.1	55.0	2.0	98	27.0	212.6	52.2	0.0	94											
DAIRYLAND SEED DS-9791RA	91 C500 1,2,3,4,6	22.0	219.9	54.7	0.7	96	19.2	226.4	55.6	1.4	100	24.9	213.4	53.7	0.0	93											
DEKALB DKC43-10 GENVT2PRIB	93 P500 1,2	19.2	235.0 *	56.4	0.1	96	16.4	232.0	57.2	0.3	100	22.1	238.0 *	55.7	0.0	91											
DEKALB DKC44-13 GENSSRIB	94 P500 1,2,3,4,6	21.3	238.2 *	55.9	0.0	96	17.4	234.4	56.9	0.0	97	25.2	242.0 *	55.0	0.0	94											
DEKALB DKC46-36 GENSSRIB	96 P500 1,2,3,4,6	21.9	228.5	55.3	0.0	94	19.0	228.3	55.8	0.0	100	24.9	228.6	54.7	0.0	87											
DEKALB DKC46-79 GENSSRIB	96 P500 1,2,3,4,6	22.6	229.2	55.5	1.1	96	18.7	221.7	56.9	2.3	100	26.5	236.8 *	54.2	0.0	93											
DYNAGRO D31SS31	91 A500 1,2,3,4,6	20.3	220.2	55.9	0.1	96	17.0	234.7	57.1	0.3	99	23.5	205.7	54.8	0.0	92											
DYNAGRO D37SS60	97 P500 1,2,3,4,6	21.8	229.0	55.5	0.0	97	18.2	219.8	56.6	0.0	100	25.3	238.2 *	54.4	0.0	94											
DYNAGRO D37VC60	95 A500 1,2	20.2	216.3	56.0	2.5	96	16.6	217.7	57.1	5.1	100	23.9	214.9	54.9	0.0	92											
GOLDEN HARVEST G94B95-3110	94 C500 1,2,4,6	20.1	219.1	58.9	0.1	94	18.0	218.0	58.8	0.3	100	22.3	220.2	59.1	0.0	88											
GOLDEN HARVEST G95D32-3110	95 C500 1,2,4,6	20.9	233.4	56.7	0.9	99	18.8	233.7	57.4	1.7	99	22.9	233.0 *	55.9	0.0	99											
GOLDEN HARVEST G97X48-3111	97 C500 1,2,3,4,6	23.7	215.4	53.6	0.0	93	20.2	214.9	54.6	0.0	100	27.2	215.8	52.6	0.0	87											
GREAT LAKES 4250VT2RIB	92 P500 1,2	18.8	235.2 *	55.8	1.8	95	16.6	227.8	56.8	3.7	100	21.0	242.5 *	54.7	0.0	90											
GREAT LAKES 4452STX	94 P500 1,2,3,6	20.9	227.0	54.6	0.2	88	18.1	228.8	55.4	0.3	98	23.7	225.1	53.9	0.0	78											
GREAT LAKES 4548STXRIB	95 P500 1,2,3,6	21.7	217.2	55.0	0.3	94	18.3	207.5	56.5	0.6	100	25.2	226.8	53.6	0.0	88											
LEGACY SEEDS L-3115 VT2PRO	91 P250 1,2	20.3	231.2	55.1	0.0	94	17.4	245.1 *	56.0	0.0	100	23.2	217.4	54.3	0.0	87											
LEGACY SEEDS L-3423 GENSS RIB	94 P500 1,2,3,4,6	21.2	228.7	54.6	0.0	92	18.2	221.7	55.2	0.0	100	24.1	235.6 *	54.0	0.0	85											
LEGACY SEEDS L-3845 GENSS	97 P500 1,2,3,4,6	21.0	221.4	54.5	0.0	93	17.7	213.4	55.6	0.0	98	24.4	229.4	53.4	0.0	88											
LEGEND 9492 VT2 Pro RIB	92 C250 1,2	21.0	222.1	55.0	0.3	96	17.8	216.7	55.6	0.6	94	24.2	227.6	54.4	0.0	99											
LEGEND 9495 VT3 Pro RIB	95 C250 1,2,3	21.6	217.1	55.7	0.0	89	17.8	232.3	57.1	0.0	97	25.3	201.9	54.4	0.0	81											
LEGEND JSC 40J592VT2PRIB	92 C250 1,2	19.1	225.8	55.3	0.7	93	16.5	222.1	56.3	1.5	96	21.6	229.6	54.4	0.0	90											
LEGEND JSC 40J595RR	95 C250 1	20.4	220.1	58.1	1.0	82	17.6	228.3	58.8	2.1	96	23.3	212.0	57.5	0.0	67											
M&W SEEDS 46111	96 P250 1,2	21.4	228.4	55.2	0.1	89	18.5	222.5	55.9	0.3	100	24.4	234.2 *	54.6	0.0	77											
M&W SEEDS 47J66	94 P250 1,2	20.6	230.4	56.7	1.0	94	17.8	223.0	55.8	2.0	100	23.4	237.8 *	57.7	0.0	87											
NK Brand N27P-3110A	90 C500 1,2,4,A	20.2	225.7	57.7	0.0	90	17.9	217.4	58.3	0.0	99	22.5	234.0 *	57.1	0.0	82											
NK Brand N33W-3110	94 C500 1,2,4,6	20.0	219.6	58.2	0.1	95	17.5	211.2	58.1	0.3	100	22.5	227.9	58.4	0.0	91											
NK Brand N35T-3110	95 C500 1,2,4,6	20.7	231.0	56.5	0.8	93	18.6	249.3 *	57.2	1.7	100	22.9	212.6	55.9	0.0	85											
NK Brand N37R-3111	97 C500 1,2,3,4,6	24.3	224.5	54.0	0.0	99	20.4	222.8	54.7	0.0	99	28.2	226.3	53.3	0.0	98											
NuTech/G2 GENETICS 5F-196™	96 P500 1,2,4,6	22.6	247.5 **	53.9	0.0	91	19.4	253.1 **	54.2	0.0	97	25.8	242.0 *	53.5	0.0	84											
NuTech/G2 GENETICS 5X-894™	94 P500 1,2,3,4,6	20.0	224.2	55.5	0.0	95	17.4	223.6	55.8	0.0	97	22.6	224.8	55.2	0.0	93											
RENK RK299VT2P	89 P250 1,2	19.2	226.3	56.4	0.0	94	16.7	229.5	56.8	0.0	99	21.7	223.2	56.1	0.0	89											
RENK RK415VT2P	92 P250 1,2	18.6	215.4	56.3	0.0	92	16.4	210.7	56.6	0.0	100	20.8	220.1	56.0	0.0	85											
RENK RK52SSTX	94 P500 1,2,3,4,6	21.0	221.3	54.6	0.3	92	18.1	223.4	55.4	0.6	100	23.9	219.1	53.8	0.0	85											
RENK RK54SSTX	95 P500 1,2,3,4,6	21.6	233.5	55.9	0.7	96	18.8	224.7	56.3	1.4	99	24.4	242.4 *	55.5	0.0	93											
RENK RK568VT3P	95 P250 1,2,3	20.9	222.0	55.7	0.1	92	17.9	228.6	56.7	0.3	100	23.9	215.4	54.6	0.0	85											
RUPP XRD92-74	92 A250 1,2	18.9	228.9	56.4	0.1	97	16.4	234.0	57.4	0.3	99	21.4	223.7	55.5	0.0	95											
RUPP XRD94-26	94 A250 1,2	21.8	224.5	55.8	0.0	83	18.1	232.3	56.6	0.0	100	25.6	216.7	55.0	0.0	66											
RUPP XRD97-56	97 C250 1,2	20.7	212.9	55.0	0.3	96	16.6	202.7	55.7	0.6	99	24.8	223.1	54.2	0.0	94											
RUPP XRT94-06	94 P250 1,2,3	21.8	231.0	55.7	0.9	95	18.1	230.1	57.2	1.7	100	25.4	232.0 *	54.3	0.0	90											

2 Year Averages 2015 - 2014																	
BRAND /HYBRID	RM TRT	TRAIT	Early - TRIAL AVERAGE			Huron - Early			Mason - Early			Montcalm - Early					
			%H2O	BU/A	Twt %SL %Sd	%H2O	BU/A	Twt %SL %Sd	%H2O	BU/A	Twt %SL %Sd	%H2O	BU/A	Twt %SL %Sd			
AVERAGE			21.0	225.7	55.6	0.4	94	17.9	224.7	56.4	0.8	99	24.0	226.7	54.9	0.0	88
HIGHEST			24.3	247.5	58.9	2.5	99	20.4	253.1	58.8	5.1	100	28.2	250.8	59.1	0.0	99
LOWEST			18.6	208.8	53.6	0.0	82	16.4	202.7	54.2	0.0	94	20.8	201.9	52.2	0.0	66
CV (%)			4.0	6.8	2.0	235.4	80	3.6	5.7	1.0	166.5	2.0	4.2	7.8	2.6	0.0	12.0
LSD (5%)			0.7	12.6	0.9	0.8	6.0	0.8	15.0	0.7	1.6	3.0	1.2	20.6	1.7	0.0	13.0
			24.8	207.6	52.7	0.3	95	21.8	205.4 *	53.5	0.6	99	27.7	209.8	51.8	0.0	91
CROPLAN 3611SS/RIB	96	P250 1,2,3,4,6	25.9	195.9	52.3	0.4	98	22.5	195.2	53.0	0.7	100	29.2	196.7	51.5	0.0	96
DAIRYLAND SEED DS-9791RA	91	C500 1,2,3,4,6	23.7	215.9 *	53.1	0.1	98	21.7	204.4 *	53.3	0.1	100	25.6	227.4 **	53.0	0.0	96
DEKALB DKC43-10 GENVT2PRIB	93	P500 1,2	25.5	203.6	52.5	0.0	98	22.0	196.5	53.0	0.0	99	29.1	210.7	52.0	0.0	97
DEKALB DKC44-13 GENSSRIB	94	P500 1,2,3,4,6	25.3	206.6	52.5	0.0	97	22.3	205.5 *	52.5	0.0	100	28.3	207.7	52.6	0.0	93
DEKALB DKC46-36 GENSSRIB	96	P500 1,2,3,4,6	25.0	204.9	52.8	0.0	98	22.1	194.0	53.3	0.0	100	27.9	215.8 *	52.4	0.0	96
DYNAGRO D37SS60	97	P500 1,2,3,4,6	24.3	209.9	53.8	0.4	99	22.4	204.1 *	53.5	0.9	99	26.3	215.7 *	54.2	0.0	100
GOLDEN HARVEST G95D32-3110	95	C500 1,2,4,6	25.4	213.3 *	51.7	0.0	96	22.6	211.8 **	52.4	0.0	99	28.3	214.8 *	51.1	0.0	92
LEGACY SEEDS L-3423 GENSS RIB	94	P500 1,2,3,4,6	25.3	197.0	53.2	0.0	95	21.6	201.4	53.9	0.0	99	29.0	192.7	52.6	0.0	91
LEGEND 9495 VT3 Pro RIB	95	C250 1,2,3	23.8	204.5	52.7	0.0	97	21.8	200.7	52.6	0.0	98	25.8	208.4	52.8	0.0	96
NuTech/G2 GENETICS 5X-894™	94	P500 1,2,3,4,6	23.4	196.8	53.3	0.0	97	21.5	202.9 *	53.3	0.0	100	25.2	190.8	53.3	0.0	94
RENK RK299VT2P	89	P250 1,2	25.4	200.4	51.8	0.1	96	22.4	200.8	52.5	0.3	99	28.5	200.1	51.1	0.0	92
RENK RK522SSTX	94	P500 1,2,3,4,6	25.7	198.7	52.4	0.1	96	21.7	206.1 *	52.9	0.1	100	29.7	191.2	51.9	0.0	92
RENK RK568VT3P	95	P250 1,2,3	24.5	199.4	52.6	0.2	98	21.2	193.6	53.3	0.3	99	27.8	205.2	51.9	0.0	97
RUPP XRD97-56	97	C250 1,2	25.9	198.9	52.5	0.4	97	22.3	194.6	53.1	0.9	100	29.5	203.2	51.9	0.0	95
RUPP XRT94-06	94	P250 1,2,3	22.7	184.3	47.6	4.2	88	22.0	201.1	53.1	0.3	99	27.9	206.0	52.3	0.0	94
AVERAGE			26.1	219.6	54.0	80.9	100	22.6	211.8	53.9	0.9	100	29.7	227.4	54.2	0.0	100
HIGHEST			1.1	6.3	1.0	0.0	4	21.2	193.6	52.4	0.0	98	25.2	190.8	51.1	0.0	91
LOWEST			5.9	6.4	2.3	277.6	6.0	5.1	5.5	2.2	161.8	3.0	6.3	7.2	2.3	0.0	9.0
CV (%)			0.8	8.0	0.7	0.5	3.0	0.9	9.6	1.0	0.8	2.0	1.4	12.9	1.0	0.0	7.0
LSD (5%)																	

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 3L. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - LATE (98 Day and Later) ZONE 3

BRAND / HYBRID	RM TRT	TRAIT	Late - TRIAL AVERAGE						Huron - Late						Mason - Late						Montcalm - Late					
			%H2O	BU/A	Twt	%SL	%Sd	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd		
DAIRYLAND SEED DS-9198	98 P500	1,2,3,4,6	24.1	199.6	52.5	0.6	97	18.8	213.0	54.3	0.6	100	27.1	195.3	51.9	0.0	92	26.4	190.5	51.2	1.1	100				
DAIRYLAND SEED DS-9203	103 C500	1,2,3,4,6	28.8	216.7	52.4	0.0	98	23.3	221.4	53.3	0.0	100	32.4	219.6	52.2	0.0	97	30.7	209.0	51.9	0.0	99				
DAIRYLAND SEED DS-9599	99 C500	1,2,3,4	25.7	214.1	52.9	0.0	100	21.1	220.7	53.8	0.0	100	28.8	211.8	52.0	0.0	100	27.1	209.9	52.8	0.0	100				
DAIRYLAND SEED DS-9701	101 P500	1,2,3,4,6	26.3	211.6	53.5	10.3	93	20.9	225.6	54.7	2.0	97	28.8	215.7	53.6	29.0	88	29.3	193.7	52.1	0.0	93				
DAIRYLAND SEED DS-9805	105 C500	1,2,3,4,6	29.7	219.4	52.0	0.1	97	22.8	225.8	53.2	0.0	100	36.0	223.6	52.0	0.0	96	30.4	208.8	50.8	0.4	94				
DAIRYLAND SEED DS-9905	105 C500	1,2,3,4,6	31.2	205.6	50.9	9.9	100	23.1	216.1	51.7	2.0	100	36.5	213.7	50.9	27.8	100	33.9	186.9	50.3	0.0	100				
DEKALB DKC48-56 GENSSRIB	98 P500	1,2,3,4,6	23.2	220.0	55.0	0.2	94	19.0	229.8	56.1	0.3	97	26.2	215.6	54.2	0.0	92	24.5	214.6	54.9	0.4	93				
DEKALB DKC49-72 GENSSRIB	99 P500	1,2,3,4,6	23.1	224.0	53.4	0.0	97	19.2	239.3	54.4	0.0	100	25.5	246.9	53.0	0.0	94	24.6	185.8	52.9	0.0	97				
DEKALB DKC50-82 GENSSRIB	100 P500	1,2,3,4,6	22.8	217.3	54.7	30.4	96	19.5	216.9	55.6	0.0	100	26.2	217.7	53.8	60.8	92	--	--	--	--	--				
DEKALB DKC52-84 GENSSRIB	102 P500	1,2,3,4,6	23.7	226.9	53.6	0.6	96	19.8	237.3	55.1	1.7	99	26.0	238.9	52.4	0.0	92	25.3	204.6	53.4	0.0	97				
DYNAGRO D39VP14	99 P500	1,2,3	23.6	221.7	55.3	0.0	97	19.9	244.3	56.4	0.0	100	26.2	219.8	54.8	0.0	92	24.6	201.1	54.8	0.0	99				
DYNAGRO D39VP69	99 A500	1,2,3	24.0	209.0	54.1	14.3	90	19.1	228.0	55.5	0.0	100	28.0	193.6	53.5	42.8	74	24.8	205.3	53.2	0.0	97				
DYNAGRO D40SS48	100 P500	1,2,3,4,6	24.5	222.2	54.4	0.8	97	19.5	237.2	55.9	1.7	100	28.5	220.4	53.6	0.0	92	25.6	208.9	53.8	0.7	98				
DYNAGRO D41SS71	101 P500	1,2,3,4,6	25.2	223.9	54.7	0.1	100	20.3	224.4	55.9	0.3	100	29.6	234.6	53.4	0.0	99	25.7	212.7	54.7	0.0	100				
DYNAGRO D43SS50	103 A500	1,2,3,4,6	28.1	222.5	55.3	0.0	97	23.1	230.6	56.4	0.0	98	32.5	218.3	54.7	0.0	96	28.9	218.6	54.9	0.0	97				
GREAT LAKES 4879STXRIB	98 P500	1,2,3,6	25.1	217.4	53.8	0.6	98	19.9	210.1	54.7	0.0	99	29.1	232.3	53.4	0.0	96	26.2	209.9	53.4	1.9	99				
GREAT LAKES 5283STXRIB	102 P500	1,2,3,6	27.1	227.6	53.5	0.0	94	22.4	243.1	54.8	0.0	100	30.7	233.6	53.2	0.0	84	28.2	206.0	52.5	0.0	99				
LEGACY SEEDS L-4014 GENSS	98 P500	1,2,3,4,6	23.7	214.2	54.4	0.2	97	17.9	217.9	55.8	0.0	100	27.5	231.3	53.4	0.0	94	25.8	193.4	54.0	0.7	97				
LEGACY SEEDS L-4424 GENSS	100 P500	1,2,3,4,6	24.6	219.3	54.0	22.3	94	20.1	231.3	55.4	0.0	100	29.4	227.6	52.8	66.5	84	24.3	199.0	53.8	0.4	97				
M&W SEEDS 46G55	98 P250	1	25.0	214.1	52.8	0.4	93	20.0	235.8	54.5	0.0	96	27.6	212.0	52.1	0.0	85	27.5	194.3	51.7	1.2	97				
M&W SEEDS 46K79	98 P250	1,2,4,6	23.5	213.4	54.9	10.3	95	19.6	216.5	55.3	0.3	100	25.4	207.9	53.9	30.5	88	25.6	216.0	55.6	0.0	97				
MYCOGEN 2V489	98 C500	1,2,3,4,6	25.1	221.3	52.6	21.1	92	21.1	218.9	53.3	0.9	98	29.1	223.7	51.8	41.3	86	--	--	--	--	--				
NuTech 5N-0108™	101 C250	1,2,3,4	23.8	210.1	55.9	10.8	100	19.1	213.5	57.4	3.4	99	27.5	219.0	54.6	28.3	100	24.8	197.7	55.8	0.8	99				
NuTech/G2 GENETICS 5F-198™	98 P500	1,2,4,6	23.2	217.9	51.6	1.0	95	19.1	227.3	52.9	3.1	99	24.9	227.7	51.0	0.0	91	25.6	198.6	50.9	0.0	96				
NuTech/G2 GENETICS 5F-200™	100 P500	1,2,4,6	25.4	219.5	54.1	0.3	98	20.7	225.7	55.6	0.9	100	28.7	223.4	53.4	0.0	97	26.9	209.5	53.4	0.0	98				
NuTech/G2 GENETICS 5F-701™	101 P500	1,2,4,6	25.5	228.1	54.7	0.1	94	21.1	238.3	56.1	0.3	98	29.4	224.3	53.5	0.0	88	25.9	221.7	54.6	0.0	96				
NuTech/G2 GENETICS 5H-502™	102 P500	1,2,4,6	25.3	233.3	54.3	13.0	96	21.4	236.8	55.6	0.0	98	28.6	244.4	53.4	38.0	92	25.8	218.6	53.9	1.1	99				
NuTech/G2 GENETICS 5K-0208™	102 P500	1,2,3,4,6	27.2	231.3	51.8	0.4	100	22.3	244.1	52.8	1.1	100	32.1	241.9	51.3	0.0	99	27.3	207.9	51.5	0.0	100				
NuTech/G2 GENETICS 5Z-0107™	101 P500	1,2,4,6	26.9	231.2	53.6	0.4	98	21.9	249.4	54.9	0.0	100	31.4	227.6	52.5	0.0	93	27.4	216.6	53.3	1.1	100				
NuTech/G2 GENETICS 5Z-0305™	103 P500	1,2,4,6	26.2	222.9	54.2	0.3	92	21.5	221.9	55.6	0.6	100	31.0	224.0	52.7	0.0	85	--	--	--	--	--				
NuTech/G2 GENETICS 5Z-504™	104 P500	1,2,4,6	25.9	234.4	53.7	0.0	100	21.6	248.2	54.9	0.0	100	30.5	241.0	52.9	0.0	99	25.6	214.0	53.4	0.0	100				
RENK RK596SSTX	98 P500	1,2,3,4,6	24.0	221.1	55.1	0.0	96	19.0	220.7	56.9	0.0	95	29.2	230.9	54.0	0.0	100	25.7	211.7	54.5	0.0	93				
AVERAGE			25.4	219.7	53.7	4.6	96	20.6	228.4	55.0	0.6	99	29.0	223.7	53.0	11.4	92	26.7	205.7	53.3	0.3	98				
HIGHEST			31.2	234.4	55.9	30.4	100	23.3	249.4	57.4	3.4	100	36.5	246.9	54.8	66.5	100	33.9	221.7	55.8	1.9	100				
LOWEST			22.8	199.6	50.9	0.0	90	17.9	210.1	51.7	0.0	95	24.9	193.6	50.9	0.0	74	24.3	185.8	50.3	0.0	93				
CV (%)			6.2	7.1	2.1	444.3	6.0	4.3	5.4	1.3	323.6	2.0	5.2	6.0	1.2	316.8	8.0	5.6	7.6	1.6	306.3	4.0				
LSD (5%)			1.1	10.3	0.8	15.3	4.0	1.0	14.5	0.8	2.2	2.0	1.8	15.7	0.7	42.4	9.0	2.0	21.5	1.1	1.4	5.0				

2 Year Averages 2015 - 2014

BRAND / HYBRID	RM	TRT	TRAIT	Late - TRIAL AVERAGE				Huron - Late				Mason - Late				Montcalm - Late							
				%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd	%H2O	BUJA	Twt	%SL %Sd				
DEKALB DKC49-72 GENSSRIB	99	P500	1,2,3,4,6	26.8	208.9 *	51.6	0.0	98	23.3	203.3 *	52.6	0.0	99	30.3	214.4 *	50.6	0.0	97					
DEKALB DKC52-84 GENSSRIB	102	P500	1,2,3,4,6	27.1	209.1 *	51.7	0.4	97	24.0	201.9 *	52.9	0.9	100	30.2	216.3 **	50.6	0.0	95					
DYNAGRO D39VP14	99	P500	1,2,3	27.9	200.4	52.9	0.0	97	24.0	210.4 **	53.1	0.0	100	31.8	190.4	52.8	0.0	95					
DYNAGRO D40SS48	100	P500	1,2,3,4,6	31.0	195.0	52.9	0.5	97	24.6	199.5	54.0	1.0	98	37.4	190.5	51.8	0.0	96					
DYNAGRO D41SS71	101	P500	1,2,3,4,6	29.9	196.4	52.0	0.2	100	24.8	189.0	53.0	0.1	100	35.0	203.8	50.9	0.3	99					
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6	28.8	200.9	51.6	0.0	97	24.1	197.7	52.8	0.0	99	33.5	204.1	50.4	0.0	96					
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6	30.5	207.8 *	51.6	0.0	96	25.0	209.2 *	52.3	0.0	99	35.9	206.3 *	50.9	0.0	92					
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6	26.3	201.6	50.1	0.8	97	23.7	191.9	51.6	1.6	99	28.9	211.3 *	48.7	0.0	95					
NuTech/G2 GENETICS 5F-200™	100	P500	1,2,4,6	27.8	202.0	52.0	0.2	98	24.4	194.7	52.5	0.4	99	31.2	209.2 *	51.5	0.0	97					
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	29.2	210.1 **	52.0	0.5	97	25.0	207.4 *	53.1	0.0	99	33.4	212.8 *	51.0	19.0	95					
RENK RK596SSTX	98	P500	1,2,3,4,6	27.1	198.3	52.7	0.0	98	23.2	193.4	54.2	0.0	97	31.0	203.3	51.2	0.0	99					
AVERAGE				28.4	202.8	51.9	1.1	98	24.2	199.8	52.9	0.4	99	32.6	205.7	50.9	1.8	96					
HIGHEST				31.0	210.1	52.9	0.5	100	25.0	210.4	54.2	1.6	100	37.4	216.3	52.8	19.0	99					
LOWEST				26.3	195.0	50.1	0.0	96	23.2	189.0	51.6	0.0	97	28.9	190.4	48.7	0.0	92					
CV (%)				6.5	7.0	2.5	461.3	5.0	4.1	5.8	2.7	305.0	3.0	7.1	6.1	1.7	300.6	6.0					
LSD (5%)				1.0	7.7	0.7	9.3	3.0	0.8	10.2	1.2	1.1	3.0	1.8	10.7	0.7	21.1	4.0					

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 4. GRAND TRAVERSE, IOSCO & MENOMINEE (LATE) COUNTY GRAIN TRIALS (96 Day and Earlier) ZONE 4

BRAND / HYBRID	RM TRT	TRAIT	2015 TRIAL AVERAGE						Grand Traverse - Early			Iosco - Early			Menominee - Late						
			%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd				
DAIRYLAND SEED DS-9693	93 C500	1,2,3,4,6	32.8	147.3	48.9	2.3	97	37.2	158.1	50.3	0.0	94	28.3	136.6	47.5	4.5	99				
DAIRYLAND SEED DS-9791RA	91 C500	1,2,3,4,6	35.0	163.4	51.1	2.4	100	37.8	158.8	51.2	0.0	100	28.2	168.0	50.9	4.8	100				
DEKALB DKC36-30 GENVT2PRIB	86 P500	1,2	23.9	172.5	51.6	0.4	98	28.1	169.2	52.7	0.0	98	23.8	175.7	50.5	0.9	98				
DEKALB DKC38-03 GENVT2PRIB	88 P500	1,2	27.2	173.9	51.6	2.3	99	28.6	187.8*	52.2	0.0	98	25.8	159.9	51.1	4.5	100				
DEKALB DKC39-27 GENSSRIB	89 P500	1,2,3,4,6	28.9	179.6*	50.3	0.4	98	31.0	182.5*	50.9	0.0	97	26.8	176.7	49.8	0.9	100				
DEKALB DKC41-32 GENSSRIB	91 P500	1,2,3,4,6	28.9	180.1*	51.7	1.7	96	32.9	173.8	52.1	0.0	93	25.0	186.4	51.3	3.4	98				
DEKALB DKC43-10 GENVT2PRIB	93 P500	1,2	29.2	182.7*	50.4	0.7	99	30.2	196.8**	51.0	0.0	99	28.2	168.5	49.7	1.4	100				
DYNAGRO CX15187	87 A500	1,2	27.0	178.5*	52.9	0.2	97	28.8	168.1	53.3	0.0	97	25.1	188.9*	52.5	0.3	97				
DYNAGRO D25VC45	85 P500	1,2	27.5	164.7	51.3	0.0	100	30.4	153.8	51.3	0.0	100	24.7	175.6	51.2	0.0	99				
DYNAGRO D31SS31	91 A500	1,2,3,4,6	28.5	181.2*	49.4	0.6	99	31.1	179.3	50.2	0.0	98	26.0	183.2	48.7	1.1	100				
DYNAGRO D37VC60	95 A500	1,2	31.1	188.4**	51.5	0.6	100	34.9	168.8	51.3	0.0	99	27.3	208.0**	51.8	1.1	100				
GOLDEN HARVEST G84J92-3011A	86 C500	1,2,3,4,A	25.5	158.4	52.5	1.0	100	27.6	166.4	52.4	0.0	100	23.4	150.3	52.6	2.0	100				
GOLDEN HARVEST G88M78-3011A	88 C500	1,2,3,4,6,A	27.2	149.0	49.8	2.1	99	27.6	166.7	49.4	0.0	97	26.9	131.3	50.2	4.2	100				
GOLDEN HARVEST G90V04-3110A	90 C500	1,2,4,A	28.7	165.8	50.6	1.3	99	31.2	173.9	51.8	0.0	99	26.2	157.6	49.4	27.2	99				
GREAT LAKES 3847VT2RIB	88 P500	1,2	28.0	181.0*	51.5	0.7	99	31.4	169.1	51.9	0.0	98	24.7	192.9*	51.0	1.4	100				
GREAT LAKES 4250VT2RIB	92 P500	1,2	29.3	172.2	50.4	0.3	99	32.1	179.4	50.5	0.0	100	26.5	165.0	50.3	0.6	98				
GREAT LAKES 4452STX	94 P500	1,2,3,6	31.6	164.5	51.6	0.7	98	34.4	165.1	54.6	0.0	96	28.8	163.9	48.7	1.4	100				
GREAT LAKES 4548STXRIB	95 P500	1,2,3,6	32.0	187.6*	50.0	0.0	99	35.3	187.5*	51.0	0.0	99	28.6	187.8*	49.1	0.0	98				
LEGACY SEEDS L-2813 VT2PRO R	87 P250	1,2	25.3	161.9	52.0	1.2	98	28.5	160.2	52.7	0.0	97	22.2	163.7	51.4	2.3	98				
LEGACY SEEDS L-2924 VT2PRO	89 P250	1,2	29.4	159.0	50.1	1.8	98	31.0	156.5	50.9	0.0	99	27.9	161.5	49.3	3.7	97				
LEGACY SEEDS L-3022 GENSS RIF	92 P500	1,2,3,4,6	29.5	169.2	51.8	1.5	100	33.4	151.2	51.8	0.0	99	25.6	187.3*	51.7	3.1	100				
LEGEND 9587 VT2PRIB	87 C250	1,2	27.0	151.5	51.9	0.3	87	31.8	162.6	52.3	0.0	83	22.1	140.5	51.5	0.6	91				
LEGEND 9688 VT2PRIB	88 C250	1,2	26.1	160.4	51.7	0.0	99	28.2	172.4	52.0	0.0	100	24.0	148.4	51.4	0.0	98				
MYCOGEN 2V357	93 C250	1,2,3,4,6	31.2	172.5	50.5	0.1	99	34.6	181.8*	51.6	0.0	99	27.8	163.3	49.5	0.3	98				
NuTech 5G-9302™	93 C250	1,2,4,6	26.4	170.4	52.6	2.4	89	28.8	179.3	55.0	0.0	85	24.1	161.5	50.3	4.9	93				
NuTech 5N-195™	95 P500	1,2,3,4	30.8	152.7	49.4	0.7	100	34.1	156.9	50.1	0.0	100	27.5	148.5	48.7	1.4	99				
NuTech/G2 GENETICS 5F-196™	96 P500	1,2,4,6	30.5	176.4*	48.6	0.8	93	34.5	182.5*	49.7	0.0	93	26.4	170.4	47.5	1.6	92				
NuTech/G2 GENETICS 5X-894™	94 P500	1,2,3,4,6	25.2	179.8*	50.8	1.0	97	29.1	192.6*	51.2	0.0	96	21.2	167.0	50.4	2.0	99				
RUPP XRD8202	82 A250	1,2	24.8	155.6	54.6	0.4	99	25.8	165.7	54.7	0.0	98	23.8	145.6	54.5	0.9	100				
RUPP XRD90-64	90 C250	1,2	29.5	180.6*	49.5	14.8	98	31.1	194.5*	50.6	0.0	99	27.9	166.6	48.5	29.5	97				
RUPP XRD92-74	92 A250	1,2	28.1	175.3	49.8	1.3	98	31.6	170.6	50.2	0.0	97	24.5	180.0	49.3	2.5	100				
AVERAGE			28.6	169.5	51.0	1.8	98	31.4	172.0	51.6	0.0	97	25.8	167.1	50.3	3.6	98				
HIGHEST			33.0	188.4	54.6	14.8	100	37.8	196.8	55.0	0.0	100	28.8	208.0	54.5	29.5	100				
LOWEST			24.8	147.3	48.6	0.0	87	25.8	151.2	49.4	0.0	83	21.2	131.3	47.5	0.0	91				
CV (%)			6.1	9.1	4.0	516.2	3.0	6.0	8.2	3.9	0.0	3.0	6.2	9.1	4.1	365.0	3.0				
LSD (5%)			1.4	12.5	1.7	7.7	2.0	2.2	16.5	2.3	0.0	3.0	1.9	20.8	2.4	15.5	3.0				

2 Year Averages 2015 - 2014		TRIAL AVERAGE			Grand Traverse - Early			Iosco - Early			Menominee - Late						
BRAND / HYBRID	RM TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DAIRYLAND SEED DS-9791RA	91	C500	1,2,3,4,6					26.3	184.2	50.7	2.4	100					
DEKALB DKC38-03 GENVT2PRIB	88	P500	1,2					24.8	190.3	51.8	2.3	100					
DEKALB DKC41-32 GENSSRIB	91	P500	1,2,3,4,6					24.7	196.2	51.7	1.7	98					
DEKALB DKC43-10 GENVT2PRIB	93	P500	1,2					26.3	191.7	50.4	0.7	100					
DYNAGRO D25VC45	85	P500	1,2					24.0	198.4 *	51.8	0.0	99					
GREAT LAKES 3847VT2RIB	88	P500	1,2					23.7	203.6 *	51.9	0.7	100					
LEGACY SEEDS L-3022 GENSS RIF	92	P500	1,2,3,4,6					24.7	209.0 **	52.3	1.5	100					
MYCOGEN 2V357	93	C250	1,2,3,4,6					26.1	191.5	50.5	0.1	99					
NuTech/G2 GENETICS 5X-894™	94	P500	1,2,3,4,6					23.1	184.6	50.9	1.0	99					
AVERAGE								24.9	194.4	51.3	1.2	99					
HIGHEST								26.3	209.0	52.3	2.4	100					
LOWEST								23.1	184.2	50.4	0.0	98					
CV (%)								4.9	7.4	3.1	333.1	2.2					
LSD (5%)								1.0	11.8	1.3	7.7	1.8					

** 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	Western Bean Cutworm
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, GRAND TRAVERSE (EARLY) & MENOMINEE (EARLY) COUNTY GRAIN TRIALS (93 Day and Earlier) ZONE 5

2015		TRIAL AVERAGE						Delta			Grand Traverse - Early			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
DYNAGRO D25VC45	85 P500 1,2	33.2	167.9 *	50.8	0.0	99	37.7	163.5 *	49.7	0.0	98	28.6	172.2	51.9	0.0	100
DYNAGRO CX15187	87 A500 1,2	34.9	169.4 *	52.1	0.0	97	41.0	163.3 *	50.9	0.0	98	28.7	175.4 *	53.3	0.0	95
GREAT LAKES 3510VT2RIB	85 P500 1,2	30.9	154.8	54.0	0.0	99	35.0	162.4 *	52.0	0.0	99	26.7	147.2	55.9	0.0	99
GREAT LAKES 3847VT2RIB	88 P500 1,2	35.5	165.6	50.6	0.0	100	39.4	165.3 **	49.9	0.0	100	31.5	165.8	51.2	0.0	100
GREAT LAKES 4250VT2RIB	92 P500 1,2	35.4	173.0 **	50.1	0.0	98	41.3	163.2 *	49.5	0.0	98	29.5	182.8 **	50.6	0.0	99
LEGACY SEEDS L-2213 VT2PRO	82 P250 1,2	28.5	155.0	53.6	0.0	100	31.7	164.3 *	51.8	0.0	100	25.2	145.6	55.3	0.0	99
LEGACY SEEDS L-2314 VT2PRO RIB	84 P250 1,2	31.2	169.9 *	52.0	0.6	98	35.6	161.8 *	50.4	1.1	98	26.7	177.9 *	53.6	0.0	99
LEGACY SEEDS L-2813 VT2PRO RIB	87 P250 1,2	31.2	161.1	51.6	0.0	97	33.4	164.4 *	50.0	0.0	98	28.9	157.7	53.2	0.0	96
MYCOGEN 2P198	85 C5001,2,3,4,6	31.1	159.7	52.0	0.3	99	35.4	155.1 *	50.1	0.0	100	26.7	164.2	53.9	0.6	98
MYCOGEN 2J238	88 C2501,2,3,4,6	36.5	161.8	49.7	0.0	97	41.5	159.1 *	49.1	0.0	97	31.4	164.5	50.3	0.0	97
AVERAGE		32.8	163.8	51.6	0.1	98	37.2	162.2	50.4	0.1	98	28.4	165.3	52.9	0.1	98
HIGHEST		36.5	173.0	54.0	0.6	100	41.5	165.3	52.0	1.1	100	31.5	182.8	55.9	0.6	100
LOWEST		28.5	154.8	49.7	0.0	97	31.7	155.1	49.1	0.0	97	25.2	145.6	50.3	0.0	95
CV (%)		4.2	5.3	1.4	657.8	3.0	4.3	5.6	1.4	632.5	3.0	4.1	4.9	1.3	632.5	2.0
LSD (5%)		1.2	7.3	0.6	0.5	2.0	1.9	11.0	0.8	0.9	3.0	1.4	9.7	0.9	0.5	3.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2015 HANDY Bt TRAIT TABLE

Trait Family Product	Bt protein(s)	Insects controlled or <i>suppressed</i> Above-ground-----In soil	Herbicide tolerant?	Refuge %, placement (for the MIDWEST)
AGRISURE				
Agrisure GT/CB/LL, 3010A	Cry1Ab	ECB SWCB <i>CEW FAW SB</i>	---	GT LL 20% structured-½ mile
Agrisure 3000GT, 3011A	Cry1Ab mCry3A	ECB SWCB <i>CEW FAW SB</i>	RW	GT LL 20% structured-w/in, adj
Agrisure Viptera 3110	Cry1Ab Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	GT LL 20% structured-½ mile
Agrisure Viptera 3111	Cry1Ab mCry3A Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	RW	GT LL 20% structured-w/in, adj
Agrisure 3122 E-Z Refuge	Cry1Ab Cry1F mCry3A Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	GT 5% in the bag (RIB)
Agrisure Viptera 3220 E-Z Refuge	Cry1Ab Cry1F Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	GT 5% in the bag (RIB)
Agrisure Duracade 5122 E-Z Refuge	Cry1Ab Cry1F mCry3A eCry3.1Ab	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	GT 5% in the bag (RIB)
Agrisure Duracade 5222 E-Z Refuge	Cry1Ab Cry1F Vip3A mCry3A eCry3.1Ab	BCW <i>CEW ECB FAW</i> SB SWCB TAW WBC	RW	GT 5% in the bag (RIB)
HERCULEX				
Herculex 1 (HX1)	Cry1F	BCW ECB FAW SB SWCB WBC <i>CEW</i>	---	LL 20% structured-½ mile
Herculex RW (HXRW)	Cry34/35Ab1	---	RW	RR2 (most) 20% structured-w/in, adj
Herculex XTRA (HXX)	Cry1F Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	20% structured-w/in, adj
OPTIMUM				
TRIssect	Cry1F mCry3A	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 20% structured-w/in, adj
Intrasect	Cry1F Cry1Ab	BCW ECB FAW SB SWCB WBC <i>CEW</i>	---	LL RR2 5% structured-½ mile
Intrasect Leptra	Cry1F Cry1Ab Vip3A	BCW <i>CEW ECB FAW SB</i> SWCB TAW WBC	---	LL RR2 5% structured-w/in, adj
Intrasect XTra	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 20% structured-w/in, adj
Intrasect XTreme	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 5% structured-w/in, adj
AcreMax (AM)	Cry1F Cry1Ab	BCW ECB FAW SB SWCB WBC <i>CEW</i>	---	LL RR2 5% in the bag (RIB)
AcreMax RW (AMRW)	Cry34/35Ab1	---	RW	LL RR2 10% in the bag (RIB)
AcreMax1 (AM1)	Cry1F Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 10% in the bag (RW) & 20% structured-½ mile (CB)
AcreMax TRIssect (AMT)	Cry1F Cry1Ab mCry3A	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 10% in the bag (RIB)
AcreMax Xtra (AMX)	Cry1F Cry1Ab Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 10% in the bag (RIB)
AcreMax XTrem (AMXT)	Cry1F Cry1Ab mCry3A Cry34/35Ab1	BCW ECB FAW SB SWCB WBC <i>CEW</i>	RW	LL RR2 5% in the bag (RIB)
YIELDGARD / GENUITY				
YieldGard CB (YGCB)	Cry1Ab	ECB SWCB <i>CEW FAW SB</i>	---	RR2 20% structured-½ mile
YieldGard VT Rootworm	Cry3Bb1	---	RW	RR2 20% structured-w/in, adj
YieldGard VT Triple	Cry1Ab Cry3Bb1	ECB SWCB <i>CEW FAW SB</i>	RW	RR2 20% structured-w/in, adj
Genuity VT Double PRO (or as RIB complete)	Cry1A.105 Cry2Ab2	CEW ECB FAW SB SWCB	---	RR2 5% structured-½ mile (or 5% in the bag (RIB))
Genuity VT Triple PRO (or as RIB complete)	Cry1A.105 Cry2Ab2 Cry3Bb1	CEW ECB FAW SB SWCB	RW	RR2 20% structured-w/in, adj (or 10% in the bag (RIB))
Genuity SmartStax RIB Complete	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW <i>CEW ECB FAW</i> SB SWCB WBC	RW	LL RR2 5% in the bag (RIB)
OTHERS				
Smartstax (or as Refuge Advanced)	Cry1A.105 Cry2Ab2 Cry1F Cry3Bb1 Cry34/35Ab1	BCW <i>CEW ECB FAW</i> SB SWCB WBC	RW	LL RR2 5% structured-w/in, adj (or 5% in the bag (RIB))

TABLE 6E. INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - EARLY (101 Day and Earlier) ZONE 2 - 3

		2015						Early - TRIAL AVERAGE						Ingham - 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	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd	
BLUE RIVER 27B16	88 MXL Conv.	16.7	220.2	55.5	0.6	99	15.9	223.3	55.3	1.1	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
BLUE RIVER 30B97	90 MXL Conv.	19.6	182.5	55.2	0.6	100	18.2	171.0	55.5	1.1	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
BLUE RIVER 40R73	97 MXL Conv.	19.9	230.0*	53.8	0.1	100	19.6	245.6*	53.8	0.3	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
BLUE RIVER 43T35	98 MXL Conv.	21.7	213.1	55.4	0.3	97	21.5	222.6	55.5	0.6	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BLUE RIVER 45R37	99 MXL Conv.	17.8	218.8	56.7	0.3	99	16.7	223.4	56.9	0.3	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GREAT LAKES 4699	96 P500 Conv.	19.5	236.9**	55.2	2.8	100	18.9	249.5*	55.0	5.6	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
GREAT LAKES 4879	98 P500 Conv.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
KEY 401	100 ENC Conv.	19.0	233.8*	56.5	0.4	99	18.4	254.0**	56.7	0.3	98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 45A37	100 P250 Conv.	19.5	217.1	54.2	0.6	100	17.7	224.6	55.0	0.9	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 45K33	101 P250 Conv.	20.6	213.1	54.2	0.3	92	19.6	214.3	54.5	0.7	94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 46G54	98 P250 Conv.	16.7	210.2	56.9	0.0	100	15.0	209.2	57.3	0.0	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 47J64	94 P250 Conv.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PARTNERS BRAND PB7147	101 C250 Conv.	18.7	226.1*	56.2	0.7	99	17.5	242.0*	56.2	1.5	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA00-14	100 C250 Conv.	17.3	225.5	56.9	0.6	100	15.4	234.5*	57.1	1.1	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA94-16	94 C250 Conv.	20.2	206.5	53.9	0.0	99	19.8	209.8	54.5	0.0	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA98-58	98 C250 Conv.	20.2	219.6	56.0	0.6	98	19.9	224.5	55.9	1.1	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEYER 10102	101 C250 Conv.	19.7	221.7	56.7	0.7	96	18.0	226.2	57.0	1.4	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEYER 9801	98 C250 Conv.	20.1	214.1	54.0	0.3	96	19.2	227.5	54.3	0.6	95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEYER 9802	98 C250 Conv.	19.2	218.1	55.5	0.6	98	18.2	225.1	55.7	1.0	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AVERAGE		21.7	236.9	56.9	2.8	100	21.5	254.0	57.3	5.6	100	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HIGHEST		16.7	182.5	53.8	0.0	92	15.0	171.0	53.8	0.0	94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LOWEST		4.7	6.1	1.0	212.0	3.0	5.6	7.7	1.0	156.6	3.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CV (%)		0.8	11.1	0.5	1.0	3.0	1.2	20.6	0.7	1.9	3.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LSD (5%)																																

		2 Year Averages 2015 - 2014						Early - TRIAL AVERAGE						Ingham - 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	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL	%Sd		
GREAT LAKES 4699	96 P500 Conv.	20.2	207.3	54.2	0.1	98	17.9	213.4	55.5	0.1	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
GREAT LAKES 4879	98 P500 Conv.	21.4	216.5*	53.3	3.2	99	19.2	231.8*	54.8	3.2	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 45A37	100 P250 Conv.	21.3	218.3**	54.6	0.1	95	20.0	232.9**	55.6	0.1	91	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M&W SEEDS 46G54	98 P250 Conv.	22.9	196.5	52.8	1.0	94	21.3	203.2	54.1	1.0	92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA00-14	100 C250 Conv.	21.0	214.4*	53.9	0.9	98	19.6	231.7*	54.9	0.9	96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA94-16	94 C250 Conv.	19.4	210.5	54.4	0.6	98	16.4	219.6	55.8	0.6	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RUPP XRA98-58	98 C250 Conv.	22.3	195.3	52.5	0.0	98	21.0	199.1	53.8	0.0	97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEYER 9801	98 C250 Conv.	21.6	208.0	54.0	0.7	96	20.1	208.3	54.6	0.7	96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STEYER 9802	98 C250 Conv.	22.5	201.6	52.2	0.3	95	20.9	209.2	53.0	0.3	92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
AVERAGE		21.4	207.6	53.6	0.8	97	19.6	216.6	54.7	0.8	95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HIGHEST		22.9	218.3	54.6	3.2	99	21.3	232.9	55.8	3.2	99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LOWEST		19.4	195.3	52.2	0.0	94	16.4	199.1	53.0	0.0	91	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CV (%)		4.8	5.6	2.3	240.0	3.0	5.9	6.8	4.0	176.9	4.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
LSD (5%)		0.6	6.9	0.7	0.6	2.0	1.0	12.3	1.8	1.1	3.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

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

TABLE 6L. INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - LATE (102 Day and Later) ZONE 2 - 3

2015 BRAND / HYBRID	RM TRT TRAIT	Late - TRIAL AVERAGE						Ingham - Late			Montcalm - Late			Saginaw - Late		
		%H2O	BUJA	Twt	%SL	%Sd	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL
BLUE RIVER 53H36	104 MXL Conv.	25.6	224.7	53.1	0.0	100	25.7	227.3	53.3	0.0	100	25.4	222.1	52.8	0.0	100
GREAT LAKES 5283	102 P500 Conv.	22.4	245.1**	55.0	0.0	100	20.7	253.4**	55.7	0.0	100	24.1	236.9*	54.3	0.0	100
GREAT LAKES 5755	107 P500 Conv.	25.0	243.9*	54.4	0.0	100	23.3	244.1*	54.4	0.0	99	26.6	243.7**	54.3	0.0	100
KEY 305	105 ENC Conv.	22.6	225.8	50.9	0.0	99	23.0	249.0*	50.9	0.0	100	22.3	202.7	50.9	0.0	98
KEY 509	109 ENC Conv.	28.1	232.0	53.9	0.0	100	29.2	232.8	54.0	0.0	100	27.0	231.2	53.8	0.0	100
M&W SEEDS 44G44	106 P250 Conv.	25.8	229.7	55.1	0.0	98	25.1	230.1	55.4	0.0	96	26.5	229.4	54.8	0.0	99
M&W SEEDS 44M87	108 P250 Conv.	27.8	240.4*	53.9	0.6	98	28.0	248.8*	54.1	0.0	96	27.5	232.0	53.6	1.1	100
M&W SEEDS 45M79	103 P250 Conv.	22.2	240.0*	54.4	0.0	99	22.2	252.3*	54.8	0.0	100	22.3	227.6	54.1	0.0	97
RUPP XRA03-91	103 250 Conv.	21.9	231.2	54.2	0.3	99	20.2	247.8*	54.6	0.0	100	23.6	214.6	53.8	0.6	98
STEYER 10605	106 C250 Conv.	24.9	234.7*	54.8	0.2	95	23.1	241.6*	54.9	0.0	98	26.8	227.9	54.7	0.3	93
WELLMAN W2408	108 ENC Conv.	25.1	232.8	54.0	0.7	98	23.1	228.1	53.9	0.0	99	27.1	237.6*	54.2	1.5	96
AVERAGE		24.7	234.6	54.0	0.2	99	23.9	241.4	54.2	0.0	99	25.4	227.8	53.8	0.3	98
HIGHEST		28.1	245.1	55.1	0.7	100	29.2	253.4	55.7	0.0	100	27.5	243.7	54.8	1.5	100
LOWEST		21.9	224.7	50.9	0.0	95	20.2	227.3	50.9	0.0	96	22.3	202.7	50.9	0.0	93
CV (%)		5.2	5.3	1.6	396.0	3.0	5.2	6.5	1.4	0.0	2.0	5.2	3.7	1.8	280.0	3.0
LSD (5%)		1.1	10.4	0.7	0.5	2.0	1.5	18.7	0.9	0.0	3.0	1.6	10.1	1.1	1.1	4.0

2 Year Averages 2015 - 2014 BRAND / HYBRID	RM TRT TRAIT	Late - TRIAL AVERAGE						Ingham - Late			Montcalm - Late			Saginaw - Late		
		%H2O	BUJA	Twt	%SL	%Sd	%Sd	%H2O	BUJA	Twt	%SL	%Sd	%H2O	BUJA	Twt	%SL
GREAT LAKES 5283	102 P500 Conv.	23.1	228.3**	53.0	0.0	98	21.3	240.3**	53.7	0.0	95	24.9	216.2	52.3	0.0	100
KEY 305	105 ENC Conv.	24.7	199.1	49.9	0.0	92	25.1	209.6	50.6	0.0	85	24.3	188.5	49.2	0.0	99
M&W SEEDS 44G44	106 P250 Conv.	25.7	210.7	53.5	0.0	96	25.4	217.5	54.2	0.0	93	26.1	203.9	52.8	0.0	99
M&W SEEDS 45M79	103 P250 Conv.	22.3	213.9	52.7	0.0	97	20.5	220.6	53.9	0.0	96	24.2	207.2	51.5	0.0	99
WELLMAN W2408	108 P250 Conv.	25.2	227.8*	53.5	0.0	97	24.3	230.3*	54.0	0.0	96	26.1	225.4**	52.9	0.0	98
AVERAGE		24.2	215.9	52.5	0.0	96	23.3	223.7	53.3	0.0	93	25.1	208.2	51.7	0.0	99
HIGHEST		25.7	228.3	53.5	0.0	98	25.4	240.3	54.2	0.0	96	26.1	225.4	52.9	0.0	100
LOWEST		22.3	199.1	49.9	0.0	92	20.5	209.6	50.6	0.0	85	24.2	188.5	49.2	0.0	98
CV (%)		5.2	5.5	2.3	758.5	7.0	6.0	6.3	2.9	0.0	10.0	4.4	4.3	1.6	0.0	3.0
LSD (5%)		0.8	7.2	0.7	17.6	4.0	1.2	12.2	1.3	0.0	8.0	0.9	7.8	0.7	0.0	2.0

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

2015

FUNGICIDE EFFECTS ON MICHIGAN CORN PERFORMANCE

A.M. Byrne and M.I. Chilvers
Department of Plant, Soil, and Microbial Sciences
Michigan State University

Plots were established at the Michigan State University Agronomy Farm, East Lansing, MI. Corn variety 'P9807AM' was planted on 24 May with 30 in. row spacing and the experimental design was a randomized complete block. Plots were four rows wide and 22 ft long, with 3 ft alleys between plots. Fertilizer was added on two occasions: 12 Gal/A of 16% N at planting and 45 Gal/A of 45% N was side dressed on 26 Jun. Northern leaf blight (NLB) inoculum was applied to all plots on 26 Jun, by evenly spreading 77.4 lbs of infested sorghum grain over the field. Additionally, shredded leaves with NLB lesions, collected in 2014, were also spread throughout the field. There were a total of 24 treatments and five replicates; fungicides were applied on 25 Jun (V5), 1 Jul (V6), 13 Jul (V8), and 6 Aug (VT/R1). No irrigation was provided. Fungicides were applied with a hand-held spray boom pressurized with CO₂ at 40 psi. The boom consisted of six nozzles (Teejet 11001VS) spaced 20 in. apart and was calibrated to apply 15 gal/A. Gray leaf spot (GLS) and NLB severities were assessed by estimating the percent leaf area with lesions on the ear leaf and ear leaf +3 from 10 plants of the center rows for each plot on 31 Aug-4 Sep. A disease index (DIX) that accounted for both severity (DS) and incidence

(DI) was calculated for each disease: $DIX = DI \cdot (DS/100)$. The center two rows of each plot were harvested on 26 Oct, except for one pass where only one outer row was harvested, due to a combine error. Yields were adjusted to 15.5% moisture. Data were analyzed using SAS 9.3 PROC MIXED method (SAS Institute, Cary, NC).

NLB incidence was relatively high, while GLS incidence was low. All treatments, except Domark 230 ME at V5, resulted in significantly lower DIX scores for NLB on both the ear leaf and ear leaf +3, compared to the untreated. For GLS, Domark 203 ME at V5 failed to significantly lower the DIX on the ear leaf, while Topguard EQ 4.29 SC failed to lower the DIX on the ear leaf +3, compared to the untreated. Among those products applied at different plant stages, the later applications (VT/R1) tended to result in lower DIX values. No products had significantly higher yield, compared to the untreated. Yield differences, however, are unlikely to be truly representative. The field received almost 6.5 in. of precipitation in the first four weeks following planting, leading to irregular nutrient leaching and stand heights.

Treatment, rate/A	Plant Stage	DIX ^z values				Yield (bu/A)
		ear leaf		ear leaf +3		
		NLB	GLS	NLB	GLS	
Untreated		7.26 a ^y	0.96 a	1.92 a	0.44 a	162.91 abcdef
Stratego YLD 4.18 SC, 2 fl oz ^x	V5	1.54 c	0.78 abc	0.44 cdefgh	0.16 bcdef	134.61 fg
Stratego YLD 4.18 SC, 4 fl oz ^x	VT/R1	2.62 bc	0.76 abcd	0.16 kl	0.22 bcde	161.11 abcdef
Stratego YLD 4.18 SC, 5 fl oz ^x	V5 & VT/R1	1.78 c	0.74 abcd	0.26 efghijk	0.20 bcdef	158.35 abcdef
Fortix 3.22 SC, 5 fl oz ^w	V6	1.90 c	0.76 abcd	0.44 cdefghi	0.10 cdef	147.63 cdef
Fortix 3.22 SC, 5 fl oz + Glyfos X-tra 4 SC, 32 fl oz ^w	V6	3.18 bc	0.84 abc	0.56 cdef	0.18 bcdef	146.85 def
Fortix 3.22 SC, 5 fl oz ^w	V8	1.74 c	0.78 abcd	0.32 defghijk	0.10 cdef	135.08 fg
Fortix 3.22 SC, 4 fl oz ^w	VT/R1	1.66 c	0.62 bcd	0.50 defghij	0.24 bcd	181.79 a
Fortix 3.22 SC, 5 fl oz ^w	VT/R1	1.48 c	0.50 d	0.04 l	0.04 ef	140.90 efg
Headline AMP 1.68 SC, 10 fl oz ^w	V8	1.48 c	0.72 abcd	0.82 bcd	0.26 abcd	161.06 abcdef
Headline AMP 1.68 SC, 10 fl oz + Glyfos X-tra 4 SC, 32 fl oz ^w	V6	3.42 bc	0.72 abcd	0.62 cdefg	0.02 f	152.31 abcdef
Headline AMP 1.68 SC, 10 fl oz ^w	VT/R1	3.20 bc	0.52 d	0.16 ijkl	0.12 bcdef	166.03 abcde
Glyfos X-tra 4 SC, 32 fl oz ^w	V6	3.46 bc	0.70 bcd	0.90 bcd	0.30 ab	169.21 abcd
Affiance 1.5 SC, 10 fl oz ^w	V5	2.94 bc	0.80 bcd	0.76 bcde	0.18 bcdef	116.50 g
Affiance 1.5 SC, 10 fl oz	VT/R1	1.86 c	0.58 bcd	0.12 hijkl	0.04 ef	157.04 abcdef
Domark 230 ME, 4 fl oz ^w	V5	4.84 ab	0.88 ab	1.28 ab	0.22 bcde	156.01 abcdef
Domark 230 ME, 4 fl oz	VT/R1	1.46 c	0.74 abcd	0.48 cdefg	0.20 bcdef	177.26 abc
Topguard EQ 4.29 SC, 5 fl oz ^w	V6	2.10 c	0.96 a	0.98 bc	0.16 bcdef	140.74 fg
Topguard EQ 4.29 SC, 5 fl oz ^w	V8	1.72 c	0.72 abcd	0.90 bcd	0.28 abc	183.52 a
Topguard EQ 4.29 SC, 5 fl oz ^w	VT/R1	1.52 c	0.60 cd	0.12 jkl	0.18 bcdef	180.46 ab
Equation SC 2.08 SC, 6 fl oz ^w	V6	3.02 bc	0.86 ab	0.62 bcdef	0.08 def	146.86 def
Equation SC 2.08 SC, 6 fl oz ^w	VT/R1	2.32 c	0.50 cd	0.16 ghijkl	0.12 bcdef	168.45 abcd
Approach 2.08 SC, 6 fl oz	VT/R1	1.78 c	0.74 abcd	0.20 fghijkl	0.14 bcdef	150.05 bcdef
Quilt Xcel 2.2 SE, 10.5 fl oz	VT/R1	2.94 bc	0.46 d	0.12 kl	0.12 bcdef	145.41 def
P-value		0.0110	0.0266	<0.0001	0.0237	0.0003

^z Disease index

^y Column numbers followed by the different letters are significantly different at P=0.05, as determined by least square means comparison.

^x Treatments applied with Induce at 0.125% v/v.

^w Treatments applied with Induce at 0.25% v/v.

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 14	Nov 4	Soybeans	35,244	34,063	184-9-3
	BRANCH	May 13	Nov 10	Soybeans	35,244	34,521	221-9-3
	CASS	May 18	Oct 27	Corn	35,244	34,539	241-9-3 +chicken manure
Zone 2	ALLEGAN	May 8	Oct 22	Corn	35,244	34,785	191-9-3 + chicken manure
	INGHAM	May 4	Oct 23	Soy beans	35,244	33,922	201-9-3
	INGHAM CONV.	May 4	Oct 18	Soybeans	35,244	33,689	191-9-3
	SAGINAW & CONV.	May 19	Nov 2	Soybeans	35,244	34,662 34,627 Conv	154-9-3
Zone 3	HURON & Conv.	May 7	Nov 5	Corn	35,244	34,891	110-9-3 +manure
	MONTCALM & CONV.	June 26	Nov 16	Potatoes	35,244	34,345	169-9-3
	MASON	May 6	Nov 3	Soybeans	35,244	31,790	110-9-3 + pig manure
	IOSCO	May 20	Nov 9	Alfalfa	35,244	34,644	154-9-3 +manure
Zone 4	GRAND TRAVERSE	May 6	Nov 3	Wheat	31,284	30,501	154-9-3
	MENOMINEE	May 21	Dropped due	to water	damage		
Z5	DELTA	May 21	Nov 8	Corn	35,244	34,680	139-9-3 +manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	WASHTENAW	Pella silt loam 0-4% slopes	pH6.9, P23, K149.5	Mathew Talladay	Milan
	BRANCH	Oshetemo sandy loam 0-6% slopes	pH6.2, P110, K107.5	Kyle Huff	Coldwater
	CASS	Kalamazoo loam 0-2% slopes	pH6.4, P36, K115.5	George Brossman	Vandalia
Zone 2	ALLEGAN	Ockley loam 1-6% slopes	pH6.1,P83, K222	Jim & John Schipper	Martin
	INGHAM	Capac loam 0-4% slopes	pH5.9,P65, K222	Jorgensen Farms Jerry Jorgensen & Mike Turner	Williamston
	INGHAM CONV.	Capac loam 0-4% slopes	pH5.9, P65 K222	Crop, Soil & Microbial Sciences Research Facility, MSU	Lansing
	SAGINAW & Conv.	Brookston & Londo loam 0-3% slopes	pH6.8, P39, K91	Fred Gross Farms Peggy Gross & Dick Birchmeier	New Lothrop
Zone 3	HURON & Conv.	Kilmanagh loam	pH6.5,P89.5 K194	Wil-Le Farms Ron & Ed McCrea	Bad Axe
	MONTCALM	Tekenink-Spinks loamy sands 6-12% slopes	pH5.5, P174 K216	Sackett Farms Larry Sackett	Stanton
	MASON	Ithaca-Arkona Complex 0-3% slopes	pH6.4,P74, K184.5	Robert Oshe Jacob Zwagerman	Scottville
Zone 4	IOSCO	Kawkawlin sany loam 0-4% slopes	pH6.4,P26.5, K73.5	Jeremy Beebe	Whittemore
	GRAND TRAVERSE	Coventry-Newaygo loams 0-6% slopes	pH6, P50.5 K110	Ed Breitmeyer	Buckley
	MENOMINEE	Onaway-Ossineke fine sandy loams, drumlin 1-6%	pH7.7, P17 K51	Johnson Dairy Farm Dave Johnson	Daggett
Z5	DELTA	Trenary fine sandy loam 2-6% slopes	pH6.8, P17.5, K81.5	VanDrese Farms	Cornell

HYBRID INDEX FOR GRAIN TRIALS

ZONE 1
Tables 1E/1L
 Branch
 Cass
 Wastenaw
 Trial Average

ZONE 2
Tables 2E/2L
 Allegan
 Ingham
 Saginaw
 Trial Average

ZONE 3
Tables 3E/3L
 Huron
 Mason
 Montcalm
 Trial Average

ZONE 4
Table 4
 Iosco
 Grand Traverse - Late
 Menominee - Late
 Trial Average

ZONE 5
Table 5
 Delta
 Grand Traverse - Early
 Menominee - Early
 Trial Average

CONVENTIONAL TRIAL
Tables 6E/6L
 Ingham - Zone 2
 Montcalm - Zone 3
 Saginaw - Zone 2
 Trial Average

BRAND / HYBRID
AGRIGOLD

A6283VT2PRO
 A6267STXRIB
 A6300STXRIB
 A6355STX
 ~A6416STXRIB
 A6441STX
 A6462STXRIB
 A6472VT3PRIB

101 2E
 102 2L
 103 2L
 105 2L
 107 1E
 109 1L
 110 1L
 110 1L

BECK

5162A3

101 2E

BECK XL

4721AM^{TM*}
 5234AMX^{TM*}
 5460AM^{TM*}
 5140HR^{TM*}
 5840AM^{TM*}
 5939AM^{TM*}
 5828AM^{TM*}

97 2E
 102 2L
 104 1E,2L
 105 1E,2L
 108 1L
 109 1L
 110 1L

BLUE RIVER

27B16
 30B97
 40R73
 43T35
 45R37
 53H36

88 6E
 90 6E
 97 6E
 98 6E
 99 6E
 104 6L

CHANNEL

191-87STXRIB
 197-68STXRIB
 202-52STXRIB
 205-19STXRIB

91 3E
 97 2E
 102 2L
 105 1E

CROPLAN

3499VT3PRIB
 3611SS/RIB
 3899VT2P/RIB
 5369SS/RIB

91 3E
 96 2E,3E
 96 2E,3E
 103 2L

DAIRYLAND SEED

DS-9791RA
 ~DS-9693
 DS-9198
 DS-9599
 DS-9701
 DS-9203
 DS-9905
 DS-9805
 DS-9307RA
 DS-9508RA
 DS-9409RA

91 3E,4
 93 3E,4
 98 2E,3L
 99 2E,3L
 101 2E,3L
 103 2L,3L
 105 2L,3L
 105 2L,3L
 107 1E
 108 1L
 109 1L

BRAND / HYBRID
DEKALB

DKC36-30 GENVT2PRIB
 DKC38-03 GENVT2PRIB
 DKC39-27 GENSSRIB
 DKC41-32 GENSSRIB
 DKC43-10 GENVT2PRIB
 DKC44-13 GENSSRIB
 DKC46-36 GENSSRIB
 DKC46-79 GENSSRIB
 DKC48-56 GENSSRIB
 DKC49-72 GENSSRIB
 DKC50-82 GENSSRIB
 DKC52-84 GENSSRIB
 DKC53-68 GENSSRIB
 DKC54-38 GENSSRIB
 DKC55-20 GENSSRIB
 DKC57-75 GENSSRIB
 DKC58-06 GENSSRIB
 DKC60-67 GENSSRIB
 DKC62-08 GENSSRIB

RM TABLE

86 4
 88 4
 89 4
 91 4
 93 3E,4
 94 2E,3E
 96 2E,3E
 96 2E,3E
 98 2E,3L
 99 2E,3L
 100 1E,2E,3L
 102 1E,2L,3L
 103 1E,2L
 104 1E,2L
 105 1E,2L
 107 1E
 108 1L
 110 1L
 112 1L

DYNAGRO

D25VC45
 CX15187
 D31SS31
 D37VC60
 ~D37SS60
 D39VP14
 D39VP69
 ~D40SS48
 D41SS71
 D43SS50
 CX15104
 ~D48SS38
 D51SS54

85 4,5
 87 4,5
 91 3E,4
 95 3E,4
 97 2E,3E
 99 2E,3L
 99 2E,3L
 100 2E,3L
 101 2E,3L
 103 1E,2L,3L
 104 1E,2L
 108 1L,2L
 111 1L

GOLDEN HARVEST

G84J92-3011A
 G88M78-3011A
 G90Y04-3110A
 G94B95-3110
 ~G95D32-3110
 G97X48-3111
 ~G01P52-3011A
 ~G05T82-3122
 G06N80-3111
 ~G07B39-3111A
 G07F23-3111
 ~G09E98-3000GT

86 4
 88 4
 90 4
 94 3E
 95 3E
 97 3E
 101 2E
 105 2L
 106 2L
 107 1E
 107 2L
 109 1L

BRAND / HYBRID
GREAT LAKES

3510VT2RIB
 3847VT2RIB
 ~4250VT2RIB
 4452STX
 ~4548STXRIB
 4699
 4879
 ~4879STXRIB
 5283
 ~5283STXRIB
 5470STXRIB
 5566STX
 5755
 ~5755STXRIB
 5918STXRIB
 5944STXRIB
 ~6068STXRIB

RM TABLE

85 5
 88 4,5
 92 2E,3E,4,5
 94 2E,3E,4
 95 2E,3E,4
 96 6E
 98 6E
 98 2E,3L
 102 6L
 102 1E,2L,3L
 104 1E,2L
 105 1E,2L
 107 6L
 107 1E,2L
 109 1L
 109 1L
 110 1L

KEY

401
 305
 607Q
 509
 610QR

100 6E
 105 6L
 107 1E
 109 6L
 110 1L

LEGACY SEEDS

L-2213 VT2PRO
 L-2314 VT2PRO RIB
 L-2813 VT2PRO RIB
 L-2924 VT2PRO
 L-3115 VT2PRO
 L-3022 GENSS RIB
 L-3423 GENSS RIB
 L-4014 GENSS
 L-3845 GENSS
 ~L-4424 GENSS
 L-4714 GENSS
 L-6025 GENSS
 L-6913 GENSS RIB

82 5
 84 5
 87 4,5
 89 4
 91 3E
 92 4
 94 3E
 98 2E,3L
 97 2E,3E
 100 2E,3L
 103 2L
 107 1E
 108 1L

LEGEND

9587 VT2PRIB
 9688 VT2PRIB
 9492 VT2 Pro RIB
 JSC 40J592VT2PRIB
 9495 VT3 Pro RIB
 JSC 40J595RR
 9497 GENSS RIB
 94A01 GTA
 40J501 RR
 9503 SSRIB

87 4
 88 4
 92 3E
 92 3E
 95 3E
 95 3E
 97 2E
 100 2E
 101 2E
 103 2L

BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLE
M&W SEEDS		NuTech/G2 GENETICS		SEED CONSULTANTS	
47J64	94 6E	~5X-894 TM	94 3E,4	SCS 924AMX TM	92 2E
~47J66	94 2E,3E	~5F-196 TM	96 2E,3E,4	SCS 965AM TM	96 2E
46J11	96 2E,3E	~5F-198 TM	98 2E,3L	SCS 1034AM TM	103 1E,2L
46G54	98 6E	5F-200 TM	100 3L	SCS 10HR43 TM	104 1E,2L
46G55	98 2E3,L	5F-701 TM	101 2E,3L	SCS 1066YHR TM	106 1E
~46K79	98 2E,3L	5Z-0107 TM	101 2E,3L	SCS 1085AM TM	108 1L
45A37	100 6E	~5H-502 TM	102 2L,3L	SC 10AQ96 TM	109 1L
45M34	100 1E,2E	5K-0208 TM	102 2L,3L	SCS 1094AM TM	109 1L
~45A38	101 1E,2E	5Z-0305 TM	103 2L,3L	SCS 1105AM TM	110 1L
45K33	101 6E	5Z-504 TM	104 1E,2L,3L		
45M45	103 1E,2L	5X-905 TM	105 2L	SPECIALTY	
45M79	103 6L	~5H-806 TM	106 1E,2L	24A104	94 2E
45M80	103 1E,2L	5Z-906 TM	106 1E,2L	28A325	98 2E
~45J99	104 1E	5F-707 TM	107 1E	29A263	99 1E,2E
44G44	106 6L	~5Z-308 TM	108 1L,2L	32A323	102 1E,2L
44D81	108 1L	~5F-709 TM	109 1L	34A413	104 1E,2L
44M87	108 6L	~5F-510 TM	110 1L	35A655	105 1E,2L
				38A573	108 1L
MYCOGEN		PARTNERS BRAND		STEYER	
2P198	85 5	PB6255 VT2P	92 2E	9801	98 6E
2J238	88 5	PB7147	101 6E	9802	98 6E
2V357	93 4	PB7672 3000GT	106 1E	10102	101 6E
2V489	98 3L			10605	106 6L
2A499	100 2E	RENK			
X13526VH	103 2L	RK299VT2P	89 3E		
X13617	107 1E	~RK415VT2P	92 3E	WELLMAN	
2Y669	107 1E	RK522SSTX	94 3E	W2401DP	100 1E
		~RK544SSTX	95 3E	W2603DP	103 1E
NK Brand		RK568VT3P	95 3E	W2307DP	107 1E
N27P-3110A	90 3E	RK596SSTX	98 2E,3L	W2408	108 6L
N33W-3110	94 3E	RK612SSTX	100 2E	W2409S	109 1L
~N35T-3110	95 3E	~RK629VT3P	101 2E	W2610DP	110 1L
N37R-3111	97 3E	RK680SSTX	101 2E		
~N45P-3011A	101 2E	RK666SSTX	102 2L		
~N53W-3122	105 2L	RK699SSTX	105 1E,2L		
N58S-3111	106 2L	~RK712SSTX	106 1E,2L		
~N59B-3111A	107 1E	~RK776SSTX	107 1E		
N60F-3111	107 2L	RK791SSTX	108 1L		
~N63R-3000GT Brand	109 1L	~RK810SSTX	109 1L		
~N66V-3000GT	110 1L	RK871VT2P	111 1L		
N70J-3011A	112 1L				
NuTech		RUPP			
5G-9302 TM	93 4	XRD8202	82 4		
~5N-195 TM	95 4	XRD90-64	90 4		
5N-0108 TM	101 3L	XRD92-74	92 3E,4		
5N-607 TM	107 2L	XRA94-16	94 6E		
		XRD94-26	94 2E,3E		
		XRT94-06	94 2E,3E		
		XRD97-56	97 2E,3E		
		XRA98-58	98 6E		
		XRD99-30	99 1E,2E		
		XRA00-14	100 6E		
		XRA03-91	103 6L		
		XRD03-71	103 1E,2L		
		XRJ03-31	103 1E		
		XRD05-04	105 1E		
		XRD07-19	107 1E		
		XRJ07-20	107 1E		
		XRJ10-91	110 1L		

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

2015 SILAGE PERFORMANCE TRIALS

Introduction

The silage index (pg. 33) contains a list of all hybrids planted in the 2015 silage trials.

County results are reported in the following tables:

Tables 7E/7L Zone 1 - Branch, Lenawee (Dropped 2015) and Wood, OH

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

Table 9 Zone 4 – Iosco, Menominee (Late dropped 2015), and Osceola

Table 10 Zone 5 – Alger, Delta and Menominee (Early)

The map of Michigan (right) 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. 32)

Zones 1 and zone 2/3 were divided into two maturity groups (designated early and late) on the basis of the relative maturity (RM) submitted by the companies with results listed in separate tables. In cooperation with The Ohio State University, the Wood County, OH location is planted and managed by OSU while MSU handles harvest, quality and data analysis.

Silage plots were harvested with a two-row Kemper forage harvester. Electronic scales mounted on the Haldrup weigh system measured plot and subsample weights. Total plot weight was used 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 mathematically by multiplying **GT/A** by **%DM**. The samples were ground using a 1.0 mm screen before conducting quality analysis using Near Infrared Reflectance (NIR) to predict quality components.

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 was correlated statistically with the 2014 Near-infrared Spectroscopy (NIRS) equation established for silage quality levels. Results of the six quality traits analyzed are presented in the quality tables. The six quality traits are:

1. **IVD=(in vitro) digestible dry matter-48hr.** 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-48hr.** 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. High Starch content is desirable.



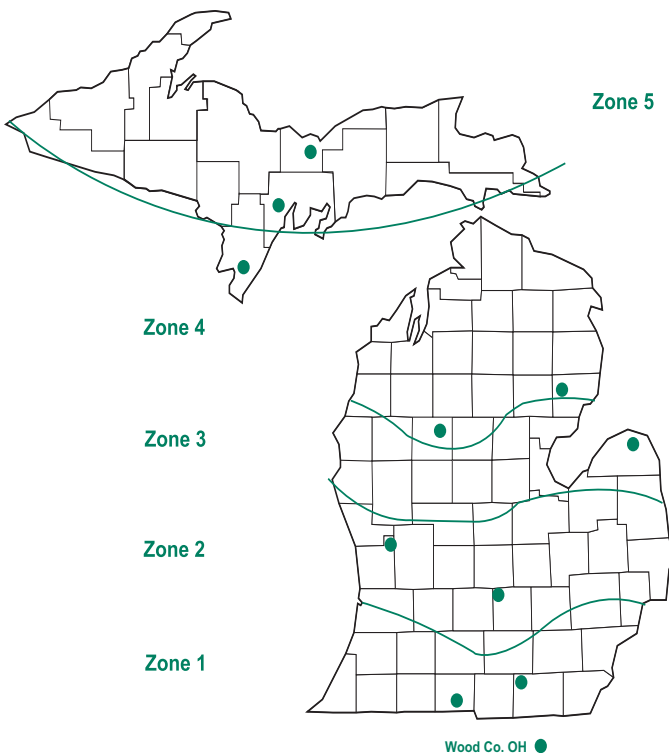
Silage quality traits are reported on a dry matter basis (100 percent DM). Quality traits in these tables are intended for use in hybrid selection only. Analysis for the balancing of feed rations should be analyzed from hybrids grown on each individual farm.

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/ufwforage/Milk2006silage.html

2015 Silage Trial Locations



Notes

TABLE C.

AGRONOMIC TABLE FOR SILAGE TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	BRANCH	May 13	Sep 15	Soybeans	35,244	33,922	200-9-3
	LENAWEE	May 14	Sept 14	Soybeans	35,244	34,962	154-9-3 +manure
	WOOD (OHIO)	May 8	Sept 8	Soybeans	34,452	31,834	205-24-0
Zone 2	OTTAWA	May 8	Sep 22	Corn	35,244	32,671	191-9-3 + manure
	INGHAM	May 3	Sep 11	Soybeans	35,244	34,821	154-9-3
	HURON	May 7	Sep 23	Corn	35,244	34,274	110-9-3 +manure
Zone 4	IOSCO	May 20	Sep 28	Alfalfa	35,244	34,503	154-9-3
	OSCEOLA	May 13	Oct 2	Corn	35,244	31,825	154-9-3 + manure
	MENOMINEE Zone 5 only	May 21	Sep 30	Sod	35,244	34,609	139-9-3 +manure
Z5	ALGER	May 22	Sep 29	Soybeans	35,244	25,657	139-9-3
	DELTA	May 21	Sep 30	Corn	35,244	34,539	139-9-3 +manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Oshetemo sandy loam 0-6% Slopes	pH6.2, P109.5, K107.5	Kyle Huff	Coldwater
	LENAWEE	Blount loam 2-6% Slopes	pH7.25, P135 K257	Bakerland Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville silt clay loam 0-1%	pH5.8 , P114, K435	OARDC Matt Davis	Hoytville, Ohio
Zone 2	OTTAWA	Ubly sandy loam 2-6% Slopes	pH 6.8, P95.5, K200	Eadie Farms Arden Eadie	Conklin
	INGHAM	Capac loam 0-3%	pH6.5, P55.2, K161.25	Crop & Soil Sciences Research Facility, MSU	East Lansing
	HURON	Kilmanagh loam	pH6.65, P89.5, K 194	Wil-Le Farms Ron & Ed McCrea	Bad Axe
Zone 4	IOSCO	Kawkawlin sandy loam 0-4% Slopes	pH6.4, P26.5, K73.5	Jeremy Beebe	Whittemore
	OSCEOLA	Montcalm loamy sand & Menominee loamy sand 0-6% Slopes	pH6, P67, K120	Robert E. Lee	Marion
	MENOMINEE	Onaway-Ossineke fine sandy loam 0-3% slopes	pH7.7, P17, K51	Johnson Dairy Farm Dave Johnson	Daggett
Zone 5	ALGER	Eben very cobbly snady loam 1-6%	pH7.4, P59, K64.5	AgBio Research Station Chris Kapp	Chatham
	DELTA	Trenary fine sandy loam 2-6% Slopes	pH6.8, P17.5, K 81.5	VanDrese Farms	Cornell

SILAGE HYBRID INDEX

ZONE 1 - Tables 7E/7L

Branch
Lenawee
Wood (Ohio)
Trial Average

BRAND / HYBRID	RM TABLE
AGRIGOLD	
A6408VT3PRIB	107 8L
~A6416STXRIB	107 8L
A6442STXRIB	109 8L
A6458VT3PRIB	110 7E
A6533VT3PRIB	113 7L
A6559STXRIB	113 7L
CROPLAN	
4099SS/RIB	99 8E
5415SS/RIB	104 8E
6065SS/RIB	110 8L
DAIRYLAND SEED	
Hi DF-3188-6	88 9
Hi DF-3290-9	90 9
~DS-9693	93 8E,9
Hi DF-3197-7	97 8E,9
Hi DF-3099-9	99 8E,9
Hi DF-3700SSX	100 8E,9
Hi DF-3702-9	102 8E,9
Hi DF-3605-9	105 7E,8L
Hi DF-3108RA	108 7E,8L
Hi DF-3808SSX	108 7E,8L
Hi DF-3510SSX	110 7E,8L
DYNAGRO	
~D37SS60	97 9
~D40SS48	100 8E
~D48SS38	108 8L
D50SS43	110 7E,8L
GOLDEN HARVEST	
G92T43-3111	92 9
~G95D32-3110	95 9
~G01P52-3011A	101 9
~G05T82-3122	105 8L
~G07B39-3111A	107 8L
G07V88-3000GT	107 8L
~G09E98-3000GT	109 7E
G10T63-3000GT	110 7E
GREAT LAKES	
~4250VT2RIB	92 10
~4548STXRIB	95 9,10
~4879STXRIB	98 9,10
~5283STXRIB	102 8E,9
~5755STXRIB	107 7E,8L
~6068STXRIB	110 7E,8L
6185STXRIB	111 7L
6261STX	112 7L

ZONE 2 - Tables 8E/8L

Huron - Zone 3
Ingham
Ottawa
Trial Average

BRAND / HYBRID	RM TABLE
LEGACY SEEDS	
~L-4424 GENSS	100 8E
L-5350 3122 E-Z REFUGE	104 8E
L-7253 3000GT	112 8L
M&W SEEDS	
~47J66	94 7E,8E
~46K79	98 7E,8E
~45A38	101 7E,8E
~45J99	104 7E,8E
MASTERS CHOICE	
MCT-4881	98 9
MCT-5371	103 8E
MCT-527GT	105 9
MCT-5661	106 7E
MCT-6153	111 7L
NK Brand	
N29T-3111 Brand	92 9
~N35T-3110	95 9
~N45P-3011A	101 9
~N53W-3122	105 8L
~N59B-3111A	107 8L
N61P-3000GT Brand	107 8L
~N63R-3000GT Brand	109 7E
~N66V-3000GT	110 7E
NuTech	
5N-290™	90 10
~5N-195™	95 9,10
5N-803™	101 9
5N-406™	105 9
NuTech/G2 GENETICS	
~5X-894™	94 10
~5F-196™	96 10
~5F-198™	98 9,10
~5H-502™	102 8E,9,10
~5H-806™	106 8L
~5Z-308™	108 8L
~5F-709™	109 8L
~5F-510™	110 7E
5F-811™	110 7E
5F-713™	113 7L
5F-814™	114 7L
5Z-015™	115 7L

ZONE 4 - Table 9

Iosco
Menominee - Late
Osceola
Trial Average

BRAND / HYBRID	RM TABLE
PIONEER	
P9789AMXT	95 9,10
P0238XR	102 9,10
P0242AMXT	104 8E,9
P0496AMX	106 8L,9
P0677XR	106 8L
P0506AM	107 8L
P0921AMXT	109 7E,8L
P1180XR	111 7L,8L
P0825AMXT	113 7L
P1197AMXT	114 7L
P1449XR	114 7L
RENK	
~RK415VT2P	92 8E
~RK544SSTX	95 8E
RK565GTCBLLRWBL	99 8E
~RK629VT3P	101 8E
~RK712SSTX	106 8L
~RK776SSTX	107 8L
~RK810SSTX	109 8L
SEED CONSULTANTS	
SCS 1125AM™	113 7L
SCS 11HR21™	113 7L
STEYER	
9203 VT2PRORIBC	92 8E
9801 GT	98 8E
10102 VT2PRORIBC	101 8E
10404 VIP3122	105 8L
11103 VT2PRORIBC	111 8L
T. A. SEEDS	
TA583-22DPRIB	108 7E
TA616-13VPND	110 7E
WELLMAN	
W2513DP	113 7L
W2613DP	113 7L
WOLF RIVER VALLEY	
3685FL	85 9
3396FLRR	95 9

ZONE 5 - Table 10

Alger
Delta
Menominee - Early
Trial Average

BRAND / HYBRID	RM TABLE
PIONEER	
P9789AMXT	95 9,10
P0238XR	102 9,10
P0242AMXT	104 8E,9
P0496AMX	106 8L,9
P0677XR	106 8L
P0506AM	107 8L
P0921AMXT	109 7E,8L
P1180XR	111 7L,8L
P0825AMXT	113 7L
P1197AMXT	114 7L
P1449XR	114 7L
RENK	
~RK415VT2P	92 8E
~RK544SSTX	95 8E
RK565GTCBLLRWBL	99 8E
~RK629VT3P	101 8E
~RK712SSTX	106 8L
~RK776SSTX	107 8L
~RK810SSTX	109 8L
SEED CONSULTANTS	
SCS 1125AM™	113 7L
SCS 11HR21™	113 7L
STEYER	
9203 VT2PRORIBC	92 8E
9801 GT	98 8E
10102 VT2PRORIBC	101 8E
10404 VIP3122	105 8L
11103 VT2PRORIBC	111 8L
T. A. SEEDS	
TA583-22DPRIB	108 7E
TA616-13VPND	110 7E
WELLMAN	
W2513DP	113 7L
W2613DP	113 7L
WOLF RIVER VALLEY	
3685FL	85 9
3396FLRR	95 9

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

TABLE 7E.

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

ZONE 1

2015		Early - TRIAL AVERAGE										Branch - Early															
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% OUALITY					YIELD					% OUALITY					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
AGRIGOLD A6458VT3PRIB	110	P500	1,2,3	37.8	21.1	7.9	92	81.3	21.1	38.6	51.6	5.6	39.5	32.40	23547	35.1	24.1	8.4	92	80.6	21.7	38.8	50.1	5.6	37.7	31.64	24526
DAIRYLAND SEED HI DF-3108RA	108	C250	1,2,3,4,6	39.1	21.7	8.5	98	81.1	20.7	40.4	53.3	5.4	38.3	32.40	26399	38.6	23.3	9.0	100	80.3	21.8	41.0	51.9	5.6	35.6	31.77	28541
DAIRYLAND SEED HI DF-3510SSX	110	C250	1,2,3,4,6	34.5	24.0	8.3	98	79.9	23.1	43.3	53.8	5.3	34.1	31.44	26027	33.6	24.3	8.2	100	79.5	24.3	44.5	54.1	5.4	32.1	30.96	25218
DAIRYLAND SEED HI DF-3605-9	105	C500	1,2,3,4,6	42.1	20.0	8.3	93	79.2	21.3	39.9	47.9	5.8	39.6	31.32	25992	40.2	21.2	8.5	97	77.4	23.3	42.5	46.8	5.7	36.7	29.98	26610
DAIRYLAND SEED HI DF-3808SX	108	C1250	1,2,3,4,6	39.1	21.5	8.4	94	82.0	20.3	39.8	54.7	5.3	38.7	32.94	29096	37.1	23.0	8.6	95	80.2	22.5	43.1	53.9	5.5	35.0	31.48	28779
DYNAGRO D50SS43	110	P500	1,2,3,4,6	40.9	20.6	8.4	96	81.7	20.3	39.0	53.0	5.7	40.2	32.85	26877	41.2	23.4	9.6	100	82.5	18.7	36.9	52.5	5.9	42.2	33.43	32136
GOLDEN HARVEST G09E98-3000C	109	C500	1,2,3,4	42.7	21.2	9.0	99	83.1	18.1	36.0	53.1	5.9	43.2	33.96	29772	40.1	23.5	9.4	100	82.8	17.9	36.7	53.0	6.2	42.0	33.62	30085
GOLDEN HARVEST G10T63-3000C	110	C250	1,2,3,4	43.2	19.9	8.5	93	81.6	19.3	37.3	50.6	5.5	42.2	32.99	28102	41.0	21.7	8.9	95	80.7	20.8	39.7	51.2	5.4	39.1	32.13	28450
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	41.9	20.1	8.4	94	82.4	20.1	37.6	53.3	5.8	43.1	33.42	29057	39.7	22.1	8.8	97	81.0	22.8	40.5	53.1	5.8	40.7	32.23	30465
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	41.7	19.6	8.1	98	81.5	19.5	39.9	53.5	5.5	39.5	32.65	27142	39.0	21.3	8.3	100	80.7	20.8	42.0	53.9	5.7	38.1	31.85	26400
M&W SEEDS 45A38	101	P250	1,2,3,4,6	50.5	16.7	8.4	91	83.5	17.1	34.4	51.9	5.8	45.6	34.31	29614	49.1	18.2	9.0	93	83.2	16.5	33.6	49.8	5.8	46.3	34.13	31955
M&W SEEDS 45J99	104	P250	1,2	44.1	16.6	7.3	91	80.3	20.5	40.3	51.1	6.1	38.9	31.93	22549	40.1	17.8	7.2	91	79.7	20.2	39.8	49.2	6.3	39.3	31.56	20951
M&W SEEDS 46K79	98	P250	1,2,4,6	51.6	14.5	7.4	90	84.0	18.5	36.4	56.1	6.2	44.2	34.41	25556	51.0	16.0	8.2	95	83.1	20.3	39.5	57.0	5.9	42.0	33.48	27355
M&W SEEDS 47J66	94	P250	1,2	53.3	15.4	8.3	97	82.8	17.2	35.4	51.3	6.0	45.1	33.79	27593	51.3	15.2	7.8	97	81.6	18.4	36.4	49.6	5.9	44.1	32.98	25853
MASTERS CHOICE MCT-5661	106	C250	1	44.6	19.7	8.7	90	82.1	20.1	37.6	52.3	5.7	41.7	33.20	28947	41.8	21.3	8.9	92	81.4	21.6	39.2	52.4	5.5	39.6	32.57	29051
NK Brand N63R-3000GT Brand	109	C500	1,2,3,4	41.3	20.9	8.6	97	82.1	19.2	37.9	52.6	5.6	42.1	33.17	29525	39.0	22.7	8.8	97	81.6	19.2	39.0	52.9	5.7	41.2	32.73	30062
NK Brand N66V-3000GT	110	C500	1,2,3,4	42.1	20.1	8.3	95	81.9	18.8	37.2	51.5	5.5	41.4	32.95	27910	38.7	23.5	9.1	100	79.7	21.6	40.6	49.9	5.6	35.8	31.08	28202
NuTech/G2 GENETICS 5F-510™	110	P500	1,2,4,6	41.2	19.4	8.2	96	83.8	16.9	35.1	53.9	5.6	42.8	34.45	28800	41.4	21.0	9.0	100	82.8	17.6	35.4	51.4	5.9	42.6	33.72	29214
NuTech/G2 GENETICS 5F-811™	110	P500	1,2,4	39.7	21.8	8.6	94	81.9	19.9	38.0	52.3	5.6	40.4	33.07	28282	37.9	24.1	9.1	100	81.0	20.4	39.4	51.6	5.6	38.5	32.34	30718
PIONEER P0921AMXT	109	C250	1,2,3,4,6	36.2	22.1	7.9	97	82.2	19.1	36.5	51.3	5.6	41.4	33.40	27201	34.1	23.2	7.9	97	81.2	18.8	36.6	48.6	5.7	40.9	32.72	27416
T. A. SEEDS TA583-22DPRIB	108	C250	1,2	42.9	19.5	8.4	91	82.2	17.7	35.0	49.1	6.1	43.5	33.52	27561	42.9	22.1	9.5	98	82.7	16.3	33.0	47.4	6.5	44.3	33.88	30586
T. A. SEEDS TA616-13VPND	110	C250	1,2,3	41.2	20.3	8.4	94	81.8	17.0	36.4	48.5	6.2	44.5	33.10	29488	40.6	21.9	8.8	94	82.2	15.4	32.7	45.5	6.4	46.1	33.59	33049
AVERAGE				42.3	19.8	8.3	94.4	81.9	19.3	37.8	52.1	5.7	41.4	33.08	27502	40.6	21.6	8.7	96.9	81.2	20.0	38.7	51.2	5.8	40.0	32.45	28437
HIGHEST				53.3	24.0	9.0	98.9	84.0	23.1	43.3	56.1	6.2	45.6	34.45	29772	51.3	24.3	9.6	100.0	83.2	24.3	44.5	57.0	6.5	46.3	34.13	33049
LOWEST				34.5	14.5	7.3	89.8	79.2	16.9	34.4	47.9	5.3	34.1	31.32	22549	33.6	25.2	7.2	91.0	77.4	15.4	32.7	45.5	5.4	32.1	29.98	20951
CV (%)				6.4	6.7	9.5	4.6	2.4	9.6	7.7	6.9	6.9	7.5	4	7	7.9	6.8	10.0	4.7	2.7	10.1	7.5	8.9	7.1	7.7	5	8
LSD (5%)				2.2	1.1	0.7	3.6	1.6	1.5	2.4	3.0	0.3	2.6	1.1	1.649	3.8	1.7	1.0	5.4	2.6	2.4	3.4	5.4	0.5	3.7	1.7	2.684

2 Year Averages 2015 - 2014		Early - TRIAL AVERAGE										Branch - Early															
BRAND / HYBRID	RM	TRT	TRAIT	YIELD					% OUALITY					YIELD					% OUALITY					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
AGRIGOLD A6458VT3PRIB	110	P500	1,2,3	40.1	23.6	9.3	94	81.4	20.9	39.0	52.3	6.0	39.4	32.64	29362	36.9	28.3	10.4	96	80.4	21.8	39.9	50.9	6.3	37.2	31.65	31885
DAIRYLAND SEED HI DF-3108RA	108	C250	1,2,3,4,6	38.6	24.8	9.5	97	80.4	21.5	41.5	52.8	5.6	37.2	31.90	29612	36.9	28.9	10.6	100	79.4	22.3	41.7	50.7	5.9	35.1	31.19	32858
DAIRYLAND SEED HI DF-3510SSX	110	C250	1,2,3,4,6	35.6	26.5	9.3	95	80.5	23.0	42.8	54.4	5.8	33.9	31.70	29464	33.5	30.5	10.2	100	79.6	24.1	44.2	53.9	6.1	32.0	31.03	31004
DYNAGRO D50SS43	110	P500	1,2,3,4,6	40.7	23.4	9.4	96	81.3	20.0	38.7	51.5	6.1	39.9	32.63	30802	39.2	27.6	10.7	100	81.5	19.7	38.3	51.6	6.4	39.7	32.68	34863
GOLDEN HARVEST G09E98-3000C	109	C500	1,2,3,4	41.9	24.2	10.0	97	83.2	18.2	36.0	53.1	6.2	43.0	33.99	33738	39.0	28.0	10.9	98	82.9	17.2	35.3	51.3	6.7	42.8	33.77	36930
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	43.0	22.0	9.4	93	82.6	19.6	37.4	53.4	6.2	42.5	33.51	31259	39.9	26.0	10.4	97	82.0	21.3	39.4	54.3	6.5	40.0	32.84	34075
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	41.8	23.4	9.6	96	81.0	20.4	40.2	52.7	5.9	37.9	32.34	31256	38.1	27.8	10.6	98	79.9	21.2	41.6	51.6	6.4	35.9	31.46	33114
NK Brand N63R-3000GT Brand	109	C500	1,2,3,4	40.4	23.5	9.3	95	82.2	20.3	38.5	53.9	6.1	40.8	33.21	30839	37.4	27.0	10.0	98	81.7	20.0	39.2	53.4	6.6	40.4	32.72	31979
NuTech/G2 GENETICS 5F-811™	110	P500	1,2,4	40.8	24.4	9.9	92	82.1	19.9	37.7	52.3	6.2	40.8	33.73	32154	38.0	28.4	10.9	99	81.8	19.5	36.5	49.9	6.6	39.9	32.89	35212
T. A. SEEDS TA583-22DPRIB	108	C250	1,2	43.2	22.0	9.5	91	82.3	17.5	34.9	49.2	6.5	43.7	33.59	31788	41.8	26.2	10.9	99	82.7	16.0	32.9	47.4	7.0	44.5	33.85	36702
AVERAGE				40.6	23.8	9.5	94.4	81.7	20.1	38.7	52.5	6.0	39.9	32.86	31027	38.1	27.9	10.6	98.7	81.2	20.3	38.9	51.5	6.4	38.7	32.41	33862
HIGHEST				43.2	26.5	10.0	96.7	83.2	23.0	42.8	54.4	6.5	43.7	33.99	33738	41.8	30.5	10.9	100.0	82.9	24.1	44.2	54.3	7.0	44.5	33.85	36930
LOWEST				35.6	22.0	9.3	91.1	80.4	17.5	34.9	49.2	5.6	33.9	31.70	29362	33.5	26.0	10.0	96.2</								

2015				Lenawee - Early										Wood - 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
AGRIGOLD A6458VT3PRIB	110	P500	1,2,3	40.4	18.0	7.3	91	82.0	20.4	38.4	53.0	5.6	41.3	3317	22569								
DAIRYLAND SEED HI DF-3108RA	108	C250	1,2,3,4,6	39.5	20.0	8.0*	95	80.0	19.7	39.8	54.7	5.2	41.1	3303	24258								
DAIRYLAND SEED HI DF-3510SXX	110	C250	1,2,3,4,6	35.4	23.8	8.4*	96	80.4	22.0	42.1	53.5	5.3	36.1	3191	26836								
DAIRYLAND SEED HI DF-3605-9	105	C500	1,2,3,4,6	43.9	18.7	8.2*	88	80.9	19.2	37.3	48.9	5.9	42.5	3265	25374								
DAIRYLAND SEED HI DF-3808SXX	108	C1250	1,2,3,4,6	41.1	20.0	8.2*	93	83.8	18.1	36.5	55.4	5.2	42.5	3440	29414								
DYNAGRO D50SS43	110	P500	1,2,3,4,6	40.6	17.8	7.1	93	80.9	21.9	41.2	53.6	5.4	38.2	3228	21618								
GOLDEN HARVEST G09E98-3000C	109	C500	1,2,3,4	45.3	19.0	8.6*	98	83.4	18.3	35.4	53.3	5.6	44.4	3429	29460								
GOLDEN HARVEST G10T63-3000C	110	C250	1,2,3,4	45.3	18.1	8.2*	92	82.6	17.8	34.9	50.0	5.6	45.4	3384	27755								
GREAT LAKES 575S5TXRIB	107	P500	1,2,3,6	44.2	18.1	8.0*	91	83.9	17.4	34.7	53.4	5.9	45.6	3460	27650								
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	44.4	17.9	8.0*	96	82.4	18.2	37.8	53.2	5.3	40.9	3345	27885								
M&W SEEDS 45A38	101	P250	1,2,3,4,6	51.9	15.3	7.9*	89	83.8	17.6	35.3	54.0	5.9	44.9	3449	27273								
M&W SEEDS 45J99	104	P250	1,2	48.0	15.5	7.5	91	80.9	20.7	40.8	53.0	5.9	38.6	3230	24148								
M&W SEEDS 46K79	98	P250	1,2,4,6	52.1	12.9	6.7	86	85.0	16.8	33.4	55.1	6.6	46.5	3535	23757								
M&W SEEDS 47J66	94	P250	1,2	55.2	15.7	8.7**	87	83.9	16.0	34.4	53.0	6.1	46.0	3461	29333								
MASTERS CHOICE MCT-5661	106	C250	1	47.3	18.0	8.5*	87	82.8	18.7	36.0	52.1	5.8	43.9	3382	28843								
NK Brand N63R-3000GT Brand	109	C500	1,2,3,4	43.6	19.2	8.4*	96	82.5	19.3	36.7	52.2	5.5	43.1	3362	28988								
NK Brand N66V-3000GT	110	C500	1,2,3,4	45.4	16.6	7.5	90	84.1	15.9	33.8	53.0	5.5	46.9	3483	27618								
NuTech/G2 GENETICS 5F-510™	110	P500	1,2,4,6	40.9	17.9	7.5	92	84.9	16.2	34.8	56.5	5.3	43.0	3519	28386								
NuTech/G2 GENETICS 5F-811™	110	P500	1,2,4	41.6	19.5	8.1*	87	82.8	19.4	36.6	53.0	5.7	42.2	3380	25845								
PIONEER P0921AMXT	109	C250	1,2,3,4,6	38.2	21.1	7.9*	96	83.3	19.5	36.5	54.1	5.4	42.0	3409	26987								
T. A. SEEDS TA583-22DPRIB	108	C250	1,2	43.0	16.9	7.4	85	81.8	19.1	37.1	50.9	5.7	42.6	3315	24536								
T. A. SEEDS TA616-13VPND	110	C250	1,2,3	41.8	18.8	8.0*	94	81.3	18.6	40.2	51.5	6.1	43.0	3260	25927								
AVERAGE				44.1	18.1	7.9	92.0	82.7	18.7	37.0	53.1	5.6	42.7	3370	26566								
HIGHEST				55.2	23.8	8.7	97.7	85.0	22.0	42.1	56.5	6.6	46.9	3535	29460								
LOWEST				35.4	12.9	6.7	84.5	80.4	15.9	33.4	48.9	5.2	36.1	3191	21618								
CV (%)				4.8	6.8	9.4	4.7	1.9	8.8	8.0	4.2	6.6	7.3	3	7								
LSD (5%)				2.5	1.5	0.9	5.1	1.9	2.0	3.5	2.6	0.4	3.7	1.36	2.54								

2 Year Averages 2015 - 2014				Lenawee - Early										Wood - 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
AGRIGOLD A6458VT3PRIB	110	P500	1,2,3	43.3	19.0	8.3	91	82.4	20.0	38.1	53.7	5.7	41.6	3344	26840								
DAIRYLAND SEED HI DF-3108RA	108	C250	1,2,3,4,6	40.4	20.7	8.4	94	81.4	20.8	41.2	54.8	5.2	39.2	3261	26366								
DAIRYLAND SEED HI DF-3510SXX	110	C250	1,2,3,4,6	37.7	22.5	8.5	91	81.3	21.9	41.3	54.8	5.4	35.8	3238	27923								
DYNAGRO D50SS43	110	P500	1,2,3,4,6	42.2	19.3	8.1	92	81.1	20.4	39.1	51.3	5.8	40.1	3259	26741								
GOLDEN HARVEST G09E98-3000C	109	C500	1,2,3,4	44.9	20.3	9.1**	95	83.5	19.3	36.6	54.8	5.8	43.3	3421	30547								
GREAT LAKES 575S5TXRIB	107	P500	1,2,3,6	46.1	18.1	8.3	89	83.2	17.9	35.3	52.5	5.9	45.0	3419	28444								
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	45.4	19.1	8.7*	92	82.1	19.6	38.9	53.8	5.4	40.0	3321	29398								
NK Brand N63R-3000GT Brand	109	C500	1,2,3,4	43.5	20.0	8.7*	92	82.7	20.7	37.8	54.3	5.6	41.3	3369	29700								
NuTech/G2 GENETICS 5F-811™	110	P500	1,2,4	43.7	20.5	9.0*	84	82.4	20.4	38.9	54.6	5.8	41.8	3337	29097								
T. A. SEEDS TA583-22DPRIB	108	C250	1,2	44.6	17.8	8.1	84	82.0	18.9	36.8	51.0	5.9	42.9	3334	26873								
AVERAGE				43.2	19.7	8.5	90.2	82.2	20.0	38.4	53.6	5.7	41.1	3330	28193								
HIGHEST				46.1	22.5	9.1	94.8	83.5	21.9	41.3	54.8	5.9	45.0	3421	30547								
LOWEST				37.7	17.8	8.1	83.5	81.1	17.9	35.3	51.0	5.2	35.8	3238	26366								
CV (%)				4.8	5.6	7.6	5.0	2.0	9.0	7.7	5.2	6.7	7.4	3	7								
LSD (5%)				1.8	0.9	0.5	3.8	1.3	1.4	2.4	2.3	0.3	2.6	0.94	1.567								

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

TABLE 7L.

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

ZONE 1

2015		Late - TRIAL AVERAGE -										Branch - Late																	
		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		
AGRIGOLD A6533VT3PRIB	113	P500	1,2,3	43.4	17.0	7.4	92	82.3	18.0	36.3	51.3	6.3	41.4	3347	24592	41.9	19.1	8.0	88	79.1	20.6	39.2	46.6	5.7	39.7	3135	26523		
AGRIGOLD A6559STXRIB	113	P500	1,2,3,4,6	43.1	19.0	8.4 *	95	82.2	18.9	37.9	52.9	6.3	40.2	3341	27670	38.9	22.6	9.4	97	80.6	20.6	39.9	51.2	5.8	38.1	3214	30267		
GREAT LAKES 6185STXRIB	111	P500	1,2,3,6	43.2	18.7	8.1 *	92	83.8	16.9	34.8	53.5	5.6	43.5	3467	29336	40.4	20.6	8.1	89	82.5	17.4	35.3	50.4	5.5	42.2	3369	28950		
GREAT LAKES 6261STX	112	P500	1,2,3,6	43.7	19.6	8.7 **	95	82.3	18.5	36.9	51.9	5.9	41.1	3358	29156	44.0	21.1	9.6 *	96	82.1	17.3	35.0	48.9	5.6	42.9	3349	33394		
MASTERS CHOICE MCT-6153	111	C250	1	44.6	18.0	8.0	92	82.0	19.9	38.9	53.8	6.0	40.9	3324	26778	42.8	21.1	9.1	93	79.8	22.5	41.9	51.7	5.6	37.6	3150	29872		
NuTech/G2 GENETICS 5F-713™	113	P500	1,2,4,6	40.5	18.8	7.6	91	83.2	18.3	36.9	54.6	6.3	40.8	3410	26414	39.0	22.1	8.6	93	81.9	19.8	38.2	52.7	5.8	39.4	3309	30350		
NuTech/G2 GENETICS 5F-814™	114	P500	1,2,4,6	42.4	18.7	8.0	95	84.0	18.0	36.5	56.2	6.0	41.6	3461	27601	42.9	20.2	8.8	99	82.7	19.7	38.2	54.6	5.6	40.2	3351	30846		
NuTech/G2 GENETICS 5Z-015™	115	P500	1,2,4,6	40.1	18.4	7.4	94	83.7	18.1	36.5	55.1	6.4	40.6	3436	25167	38.4	21.5	8.2	97	81.8	20.6	39.5	54.0	5.7	37.8	3290	27123		
PIONEER P0825AMXT	113	C250	1,2,3,4,6,7	39.2	15.6	6.0	91	84.6	18.4	36.1	57.4	6.1	40.6	3498	20997	39.8	20.0	8.0	90	82.9	20.6	39.2	56.4	5.4	38.0	3355	26682		
PIONEER P1180XR	111	C250	1,2,3,4,6	42.6	17.8	7.4	97	86.5	16.1	34.5	60.9	6.9	43.2	3622	27541	40.2	19.0	7.2	99	85.4	16.4	34.3	57.5	6.6	43.8	3546	25582		
PIONEER P1197AMXT	114	C250	1,2,3,4,6	41.6	19.1	8.0	96	84.1	17.6	36.0	55.9	6.1	42.3	3470	28374	40.6	22.6	9.4	99	81.8	20.0	40.7	55.4	5.5	37.7	3277	33245		
PIONEER P1449XR	114	C250	1,2,3,4,6,7	40.5	19.2	7.9	98	85.6	18.5	38.4	62.4	6.4	37.3	3527	26379	38.4	20.8	8.0	100	83.8	19.8	40.4	60.0	6.2	35.0	3388	27027		
SEED CONSULTANTS SCS 1125AI	113	P500	1,2,4	39.1	20.9	8.2 *	96	83.1	17.3	34.5	51.0	6.2	43.3	3421	28412	37.7	25.7	9.3	96	82.0	18.1	35.1	48.6	5.8	43.1	3338	31006		
SEED CONSULTANTS SCS 11HR2	113	P1250	1,2,4	41.3	20.0	8.3 *	94	81.5	21.4	40.2	54.0	6.0	37.7	3281	27182	39.9	22.2	9.0	97	79.5	23.0	42.7	51.9	5.6	34.7	3125	26735		
WELLMAN W2513DP	113	ENC	1,2	41.2	17.2	7.3	94	81.0	19.8	39.5	51.8	6.1	35.6	3247	23977	41.1	24.0	10.5 **	99	78.5	21.4	40.8	47.3	5.5	33.1	3129	32330		
WELLMAN W2613DP	113	ENC	1,2	45.0	19.1	8.6 *	94	81.6	19.1	37.8	51.3	6.0	40.9	3311	28648	43.0	21.4	9.0	98	80.6	20.6	39.5	50.8	5.5	39.2	3219	28940		
AVERAGE				42.0	18.6	7.8	94.1	83.2	18.4	37.0	54.6	6.1	40.7	3408	26764	40.6	21.5	8.8	95.7	81.6	19.9	38.7	52.4	5.7	38.9	3284	29305		
HIGHEST				45.0	20.9	8.7	97.8	86.5	21.4	40.2	62.4	6.9	43.5	3622	29336	44.0	25.7	10.5	100.0	85.4	23.0	42.7	60.0	6.6	43.8	3546	33394		
LOWEST				39.1	15.6	6.0	91.3	81.0	16.1	34.5	51.0	5.6	35.6	3247	20997	37.7	19.0	7.2	88.2	78.5	16.4	34.3	46.6	5.4	33.1	3125	25582		
CV (%)				6.5	8.1	11.1	5.6	2.0	8.8	6.6	6.1	5.6	7.5	3	7	7.4	6.9	9.8	7.4	2.5	7.7	5.7	8.3	6.4	7.6	4	8		
LSD (5%)				1.9	1.0	0.6	3.6	1.1	1.1	1.7	2.3	0.2	2.1	76	1266	3.6	1.8	1.0	8.4	2.4	1.8	2.6	5.2	0.4	3.5	150	2668		

2 Year Averages 2015 - 2014		Late - TRIAL AVERAGE -										Branch - Late																	
		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		
AGRIGOLD A6533VT3PRIB	113	P500	1,2,3	43.2	19.3	8.3	95	82.0	19.3	37.8	52.4	6.3	40.1	3330	27582	43.0	20.8	9.0	94	80.2	20.1	38.8	49.1	5.8	40.5	3207	29559		
AGRIGOLD A6559STXRIB	113	P500	1,2,3,4,6	41.6	21.8	9.1	96	81.5	19.7	39.6	53.3	6.2	38.1	3282	29652	40.4	24.4	10.2 *	99	79.8	20.6	41.5	51.1	5.5	37.9	3159	32099		
GREAT LAKES 6261STX	112	P500	1,2,3,6	42.5	22.4	9.5 *	96	81.9	19.8	38.9	53.2	5.9	39.2	3319	31334	43.5	24.2	10.7 **	98	82.0	18.5	36.9	51.0	5.4	41.3	3327	36103		
MASTERS CHOICE MCT-6153	111	C250	1	42.8	20.6	8.7	90	82.4	19.8	38.7	54.6	6.1	40.2	3350	29025	43.8	22.9	10.1 *	94	80.9	20.8	39.7	52.0	5.6	40.7	3242	33352		
PIONEER P1180XR	111	C250	1,2,3,4,6	42.6	19.6	8.2	95	87.0	17.1	35.7	63.5	7.3	42.0	3639	30059	45.5	19.5	8.7	98	86.7	16.6	35.1	61.9	7.5	45.8	3606	31396		
PIONEER P1449XR	114	C250	1,2,3,4,6,7	40.3	21.5	8.5	97	85.9	18.9	38.6	63.4	6.5	36.5	3518	30398	41.6	21.0	8.7	98	84.9	19.0	39.0	61.4	6.3	38.0	3469	32277		
SEED CONSULTANTS SCS 11HR2	113	P1250	1,2,4	41.9	23.1	9.6 **	95	81.3	21.5	40.8	54.1	6.1	36.7	3267	31474	43.9	24.2	10.7 **	98	79.9	22.2	41.7	51.7	5.6	37.0	3162	33331		
AVERAGE				42.1	21.2	8.8	94.8	83.2	19.4	38.6	56.4	6.3	39.0	3386	29932	43.1	22.4	9.7	97.0	82.1	19.7	38.9	54.0	6.0	40.2	3310	32588		
HIGHEST				43.2	23.1	9.6	97.2	87.0	21.5	40.8	63.5	7.3	42.0	3639	31474	45.5	24.4	10.7	98.6	86.7	22.2	41.7	61.9	7.5	45.8	3606	36103		
LOWEST				40.3	19.3	8.2	89.6	81.3	17.1	35.7	52.4	5.9	36.5	3267	27582	40.4	19.5	8.7	94.1	79.8	16.6	35.1	49.1	5.4	37.0	3159	29559		
CV (%)				6.0	8.5	10.5	5.1	1.9	9.2	6.8	5.6	7.0	7.6	3	7	6.5	8.4	10.4	5.6	2.1	9.0	6.4	6.3	9.1	7.6	3	8		
LSD (5%)				1.2	0.8	0.4	2.3	0.8	0.8	1.2	1.5	0.2	1.4	53	961	2.3	1.5	0.8	4.5	1.4	1.5	2.1	2.8	0.4	2.5	92	2022		

2015		Lenawee - Late										Wood - Late															
		YIELD					% QUALITY					YIELD					% QUALITY										
		%DM	GT/A	DT/A	%STD	MILK 2006	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	MILK 2006	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BRAND / HYBRID	RM	TRT	TRAIT	45.5	16.1	7.5	100	84.7	16.9	34.9	56.1	7.5	41.7	3514	26380	42.7	15.9	6.8*	88	83.1	16.7	34.7	51.3	5.7	42.8	3392	20872
AGRIGOLD A6533VT3PRIB	113	P500	1,2,3	48.3	19.3	9.3*	100	83.3	16.8	35.0	52.2	7.7	42.9	3430	31976	42.3	15.2	6.5	87	82.7	19.5	38.7	55.2	5.3	39.5	3379	20766
AGRIGOLD A6559STXRIB	113	P500	1,2,3,4,6	47.3	18.8	8.8*	99	85.1	15.7	33.2	54.9	6.8	45.0	3553	33458	41.8	16.7	7.2*	89	83.9	17.7	35.8	55.1	4.6	43.2	3479	25599
GREAT LAKES 61855TXRIB	111	P500	1,2,3,6	43.0	22.1	9.6*	100	82.3	19.1	38.1	53.6	6.8	39.6	3351	32187	44.1	15.5	7.0*	90	82.4	19.0	37.6	53.2	5.3	40.7	3375	21887
GREAT LAKES 6261STX	112	P500	1,2,3,6	47.3	17.4	8.2	100	83.3	19.0	37.9	55.8	7.2	40.9	3408	27970	43.6	15.6	6.8*	82	83.0	18.2	36.9	54.0	5.3	44.1	3414	22491
MASTERS CHOICE MCT-6153	111	C250	1	42.4	16.8	6.9	97	82.2	19.1	39.4	54.9	7.7	37.2	3332	23063	40.3	17.6	7.2*	85	85.5	16.2	33.2	56.2	5.5	45.8	3588	25840
NuTech/G2 GENETICS 5F-713™	113	P500	1,2,4,6	43.9	19.6	8.6	100	85.5	16.1	33.6	56.7	7.1	43.7	3571	28537	40.3	16.2	6.5	85	84.0	18.2	37.5	57.2	5.5	40.9	3462	23419
NuTech/G2 GENETICS 5F-814™	114	P500	1,2,4,6	44.6	19.0	8.5	99	84.5	15.0	32.6	52.3	7.9	44.5	3517	29717	37.3	14.9	5.4	86	84.7	18.7	37.5	59.0	5.5	39.5	3502	18660
NuTech/G2 GENETICS 5Z-015™	115	P500	1,2,4,6	40.2	12.2	4.8	100	85.9	16.8	34.0	58.5	7.3	41.3	3592	17356	37.6	14.5	5.3	84	85.1	17.9	35.2	57.5	5.6	42.5	3546	18952
PIONEER P0825AMXT	113	C250	1,2,3,4,6,7	45.7	17.7	7.8	99	87.1	16.4	34.6	62.7	8.1	42.4	3655	28678	41.9	16.9	7.3**	92	87.1	15.7	34.5	62.4	6.1	43.5	3665	28364
PIONEER P1180XR	111	C250	1,2,3,4,6	46.2	18.5	8.5	100	85.7	15.2	31.6	54.7	7.4	46.7	3600	30551	37.9	16.2	6.0	88	84.9	17.8	35.6	57.6	5.2	42.6	3534	21325
PIONEER P1197AMXT	114	C250	1,2,3,4,6	43.6	19.9	8.7*	100	86.2	18.0	37.7	63.4	7.3	37.4	3576	28562	39.6	17.0	6.9*	93	86.6	17.6	37.0	63.8	5.6	39.6	3617	23549
PIONEER P1449XR	114	C250	1,2,3,4,6,7	46.1	20.2	9.7*	97	83.8	15.9	32.7	50.6	7.5	44.5	3479	35029	33.4	16.8	5.6	94	83.5	17.9	35.8	53.7	5.2	42.2	3447	19203
SEED CONSULTANTS SCS 1125AI	113	P500	1,2,4	44.1	21.9	9.8**	100	82.5	20.4	37.7	53.4	7.2	39.8	3363	32828	39.9	15.8	6.2	84	82.5	20.7	40.4	56.7	5.1	38.5	3355	21983
SEED CONSULTANTS SCS 11HR2	113	P1250	1,2,4	41.5	12.1	5.1	97	82.2	18.9	38.2	53.5	7.4	34.9	3275	17486	41.1	15.4	6.4	87	82.1	19.0	39.6	54.6	5.3	39.0	3337	22115
WELLMAN W2513DP	113	ENC	1,2	47.8	20.5	9.8**	100	82.1	18.6	37.7	52.4	7.1	40.7	3339	32815	44.2	15.6	6.9*	83	82.3	18.1	36.2	50.9	5.3	42.7	3377	24188
WELLMAN W2613DP	113	ENC	1,2	44.8	18.3	8.2	99.2	84.1	17.4	35.5	55.4	7.4	41.4	3472	28536	40.5	16.0	6.5	87.3	84.0	18.0	36.6	56.1	5.4	41.7	3467	22451
AVERAGE				48.3	22.1	9.8	100.0	87.1	20.4	39.4	63.4	8.1	46.7	3655	35029	44.2	17.6	7.3	93.7	87.1	20.7	40.4	63.8	6.1	45.8	3665	28364
HIGHEST				40.2	12.1	4.8	96.9	82.1	15.0	31.6	50.6	6.8	34.9	3275	17356	33.4	14.5	5.3	82.2	82.1	15.7	33.2	50.9	4.6	38.5	3337	18660
LOWEST				6.4	8.2	11.4	2.2	1.8	9.4	7.2	5.2	4.2	7.0	3	7	5.5	7.5	9.4	6.3	1.7	8.5	7.0	4.4	6.3	7.5	3	8
CV (%)				3.4	1.8	1.1	2.5	1.8	1.9	3.0	3.4	0.4	3.5	120	2461	2.6	1.4	0.7	6.5	1.7	1.8	3.1	3.0	0.4	3.7	131	2145
LSD (5%)																											

2 Year Averages 2015 - 2014		Lenawee - Late										Wood - Late															
		YIELD					% QUALITY					YIELD					% QUALITY										
		%DM	GT/A	DT/A	%STD	MILK 2006	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	MILK 2006	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BRAND / HYBRID	RM	TRT	TRAIT	39.8	19.6	7.7	100	82.8	19.7	39.0	55.8	7.4	36.5	3380	26015	46.7	17.6	8.3**	91	83.1	18.0	35.5	52.5	5.7	43.2	3402	27171
AGRIGOLD A6533VT3PRIB	113	P500	1,2,3	40.7	23.3	9.1	99	82.7	19.2	39.1	55.4	7.4	35.5	3343	31085	43.8	17.8	7.9*	89	82.1	19.2	38.3	53.4	5.5	40.9	3343	25772
AGRIGOLD A6559STXRIB	113	P500	1,2,3,4,6	39.2	24.8	9.6*	99	81.8	21.1	41.1	55.6	6.7	36.6	3309	31368	44.7	18.3	8.3**	90	81.8	19.8	38.6	52.9	5.5	39.7	3321	26531
GREAT LAKES 6261STX	112	P500	1,2,3,6	39.5	21.2	8.1	95	83.5	19.4	38.5	57.0	7.2	37.9	3424	27171	45.3	17.5	8.0*	80	82.8	19.3	38.0	54.7	5.5	42.2	3384	26552
MASTERS CHOICE MCT-6153	111	C250	1	39.3	22.0	8.2	99	87.4	17.5	36.4	65.2	7.9	38.7	3663	30082	43.0	17.5	7.6	88	87.1	17.3	35.5	63.5	6.6	41.4	3648	28699
PIONEER P1180XR	111	C250	1,2,3,4,6	37.3	24.9	8.9	100	86.5	18.6	38.6	64.9	7.2	34.1	3526	31219	42.0	18.7	8.0*	94	86.3	19.2	38.2	64.1	6.0	37.4	3559	27698
PIONEER P1449XR	114	C250	1,2,3,4,6,7	38.5	26.5	10.0**	100	82.0	21.6	40.6	55.2	7.2	34.3	3317	33697	43.1	18.6	8.1*	87	82.1	20.8	40.3	55.5	5.4	38.7	3322	27393
SEED CONSULTANTS SCS 11HR2	113	P1250	1,2,4	39.2	23.2	8.8	98.8	83.8	19.6	39.0	58.4	7.3	36.2	3423	30091	44.1	18.0	8.0	88.5	83.6	19.1	37.8	56.6	5.8	40.5	3425	27117
AVERAGE				40.7	26.5	10.0	100.0	87.4	21.6	41.1	65.2	7.9	38.7	3663	33697	46.7	18.7	8.3	94.0	87.1	20.8	40.3	64.1	6.6	43.2	3648	28699
HIGHEST				37.3	19.6	7.7	94.7	81.8	17.5	36.4	55.2	6.7	34.1	3309	26015	42.0	17.5	7.6	79.9	81.8	17.3	35.5	52.5	5.4	37.4	3321	25772
LOWEST				5.8	9.3	11.2	4.0	1.8	8.8	7.1	4.7	5.3	7.4	3	7	5.3	6.3	8.0	5.7	1.9	9.4	7.0	5.6	7.1	7.5	3	7
CV (%)				2.0	1.6	0.8	3.3	1.3	1.4	2.2	2.2	0.3	2.4	89	1722	1.9	0.9	0.5	4.2	1.4	1.5	2.1	2.6	0.3	2.6	95	1545
LSD (5%)																											

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

TABLE 8E.

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

ZONE 2 - 3

2015		Early - TRIAL AVERAGE										Huron - Early																
BRAND / HYBRID	TRT	RM	TRAIT	YIELD					% OUALITY					MILK 2006														
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A					
CROPLAN 4099SS/IRIB	A500	99	1,2,3,4,6	40.3	26.3	10.4	100	82.4	19.1	38.2	53.8	7.0	39.2	3304	34936	43.3	24.5	10.6	100	81.5	21.3	41.1	54.9	6.6	38.2	3226	34121	
CROPLAN 5415SS/IRIB	A500	104	1,2,3,4,6	38.7	27.7	10.5	100	81.8	19.8	37.9	51.7	6.7	39.9	3277	33917	42.7	26.7	11.0	**	82.0	18.9	35.8	49.7	6.4	41.9	3285	36071	
DAIRYLAND SEED DS-9693	C500	93	1,2,3,4,6	42.3	21.8	9.0	95	82.3	17.3	35.7	50.4	7.7	41.4	3334	30060	44.9	21.1	9.5	95	81.7	18.1	37.8	51.5	7.2	41.6	3276	31823	
DAIRYLAND SEED HI DF-3099-9	C500	99	1,2,3,4,6	37.1	28.3	10.4	98	81.2	18.1	35.6	46.9	7.1	41.8	3264	34684	38.5	26.2	10.1	100	81.3	15.9	31.9	41.5	6.6	46.7	3299	35746	
DAIRYLAND SEED HI DF-3197-7	C500	97	1,2,4,6	40.7	22.4	9.1	96	81.9	20.0	38.3	52.6	7.1	41.0	3289	29435	43.9	20.9	9.2	96	81.7	19.9	39.8	53.9	6.6	41.2	3253	29755	
DAIRYLAND SEED HI DF-3700SSX	C500	100	1,2,3,4,6	37.9	26.1	10.0	98	81.2	21.1	38.2	50.9	6.5	39.0	3256	33068	39.9	25.2	10.0	**	81.4	19.4	38.1	51.3	6.1	40.3	3259	32648	
DAIRYLAND SEED HI DF-3702-9	C500	102	1,2,3,4,6	34.6	28.1	9.6	95	82.4	20.1	38.0	53.7	6.8	39.5	3322	32410	37.0	27.9	10.3	**	81.9	20.4	38.9	53.3	6.4	39.9	3276	33720	
DYNAMRO D40SS48	P500	100	1,2,3,4,6	41.7	24.4	10.1	99	81.4	20.5	39.0	52.5	7.0	39.1	3257	31988	41.6	23.0	9.6	100	81.3	18.7	37.8	50.5	6.8	40.6	3251	31088	
GREAT LAKES 5283STXRB	P500	102	1,2,3,6	39.6	26.8	10.7	**	97	82.2	17.4	34.9	49.0	6.9	42.2	3344	34892	39.4	24.3	9.5	99	82.3	17.2	34.5	48.5	6.6	43.2	3343	31892
LEGACY SEEDS L-4424 GENSS	P500	100	1,2,3,4,6	38.6	26.4	10.1	96	81.4	18.6	38.2	51.4	7.0	40.0	3264	33368	40.2	26.3	10.6	**	81.6	19.2	37.3	50.6	6.8	41.3	3275	34598	
LEGACY SEEDS L-5350 3122 E-Z f	C250	104	1,2,3,4,6	36.7	27.1	9.9	96	81.5	20.6	39.1	52.8	6.9	37.2	3262	32107	39.8	26.8	10.7	**	81.1	21.6	40.9	53.6	6.5	36.9	3207	34199	
M&W SEEDS 45A38	P250	101	1,2,3,4,6	42.4	21.7	9.1	87	81.9	20.0	39.2	53.8	6.9	39.0	3278	29868	45.2	21.2	9.5	90	82.4	18.3	36.3	51.3	6.9	42.4	3329	31761	
M&W SEEDS 45I99	P250	104	1,2	36.8	26.4	9.6	98	79.5	22.1	41.2	50.2	7.0	37.1	3123	29834	38.6	24.2	9.3	100	79.9	22.1	40.0	49.7	6.6	39.4	3151	29442	
M&W SEEDS 47I66	P250	94	1,2	43.2	21.9	9.5	99	81.6	18.2	35.5	48.4	7.0	42.7	3301	32855	45.0	22.5	10.1	**	78.7	20.6	38.1	44.3	6.6	39.0	3101	32659	
MASTERS CHOICE MCT-5371	C250	103	1	37.3	26.0	9.7	91	81.6	18.7	36.4	49.3	6.8	40.7	3291	32850	42.0	25.3	10.7	**	80.2	16.6	33.0	46.1	6.2	44.4	3350	38640	
NuTech/G2 GENETICS 5H-502™	P250	102	1,2,4,6	38.8	26.9	10.3	98	81.2	20.3	37.9	50.4	7.0	40.8	3253	33881	38.1	25.5	9.7	99	80.4	20.0	37.1	47.2	6.4	40.3	3210	32916	
PIONEER P0242AMXT	C250	104	1,2,3,4,6	38.6	26.6	10.1	95	83.1	19.1	36.4	53.3	6.9	41.5	3377	33159	42.1	25.4	10.7	**	83.2	18.1	34.8	51.6	6.5	44.7	3392	36293	
RENK RK415V72P	P250	92	1,2	44.0	21.8	9.4	99	82.2	17.6	34.4	48.4	7.2	44.2	3346	31460	44.4	22.6	10.0	**	81.9	16.7	33.1	45.4	6.8	44.2	3332	33403	
RENK RK544SSTX	P500	95	1,2,3,4,6	42.4	21.6	9.1	96	82.5	19.1	36.8	52.4	7.1	41.2	3340	30205	46.4	21.2	9.8	100	82.7	17.8	35.8	51.7	7.0	43.8	3355	32804	
RENK RK565GTCBLRWBL	C250	99	1,2,3,4,6	41.8	24.2	10.1	**	99	82.7	17.9	35.5	51.1	7.0	44.0	3364	33200	43.3	22.2	9.5	100	83.1	20.2	38.6	53.8	6.7	42.8	3292	31285
RENK RK629VT3P	P250	101	1,2,3	38.1	26.5	9.8	90	83.0	17.0	35.1	51.5	7.3	41.9	3373	32716	39.9	26.6	10.6	**	96	83.4	17.2	34.8	52.3	6.9	43.1	3404	36070
STEYER 10102 VT2PRORIBC	C250	101	1,2,14	43.5	21.9	9.3	98	82.6	17.7	35.0	50.3	7.0	44.0	3364	30743	41.8	21.5	8.9	97	81.1	17.9	36.0	47.4	6.6	43.9	3255	27133	
STEYER 9203 VT2PRORIBC	C250	92	1,2,14	43.7	21.2	9.2	97	82.5	17.8	36.1	51.6	6.9	43.0	3345	30069	47.4	19.8	9.4	100	82.7	18.0	36.0	51.7	6.6	43.9	3350	29648	
STEYER 9801 GT	C250	98	Conv.	43.6	23.0	9.9	99	80.9	20.4	39.1	51.1	6.9	38.9	3225	31674	46.5	23.3	10.9	**	100	80.9	20.0	39.1	51.0	6.5	40.2	3217	35211
AVERAGE				40.1	24.8	9.8	96.5	81.9	19.1	37.2	51.1	7.0	40.8	3298	32206	42.2	23.9	10.0		98.7	81.6	18.9	36.9	50.1	6.6	41.8	3279	33039
HIGHEST				44.0	28.3	10.7	100.0	83.1	22.1	41.2	53.8	7.7	44.2	3377	34936	47.4	27.9	11.0		100.0	83.4	22.1	41.1	54.9	7.2	46.7	3404	38640
LOWEST				34.6	21.2	9.0	87.0	79.5	17.0	34.4	46.9	6.5	37.1	3123	29435	37.0	19.8	8.9		90.2	78.7	15.9	31.9	41.5	6.1	36.9	3101	27133
CV (%)				6.9	9.1	10.2	5.1	2.5	9.8	6.7	8.0	6.1	7.5	4	7	6.7	6.8	8.9	3.3	2.5	9.2	5.6	9.7	5.8	7.4	4	8	
LSD (5%)				1.9	1.5	0.7	3.3	1.4	1.3	1.7	2.8	0.3	2.1	91	1609	3.3	1.9	1.1		3.9	2.4	2.1	2.5	5.7	0.5	3.7	1.56	2942

2 Year Averages 2015 - 2014		Early - TRIAL AVERAGE										Huron - Early																	
BRAND / HYBRID	TRT	RM	TRAIT	YIELD					% OUALITY					MILK 2006															
				%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A						
CROPLAN 4099SS/IRIB	A500	99	1,2,3,4,6	39.5	26.6	10.4	100	82.7	18.7	38.1	54.4	6.8	39.9	3344	34552	42.1	24.7	10.4	**	100	81.8	20.2	40.9	55.5	6.8	38.5	3265	33464	
CROPLAN 5415SS/IRIB	A500	104	1,2,3,4,6	36.8	29.8	10.9	**	100	81.6	20.7	39.7	53.4	6.5	38.0	3269	35177	40.4	28.1	11.0	**	100	81.6	20.1	38.8	52.4	6.5	39.5	3265	35987
DAIRYLAND SEED HI DF-3197-7	C500	97	1,2,4,6	41.1	23.4	9.6	98	82.2	20.2	39.0	54.3	7.1	40.9	3315	31672	43.7	22.3	9.7	98	82.4	18.9	38.5	54.2	7.1	42.3	3324	32314		
DAIRYLAND SEED HI DF-3702-9	C250	102	1,2,3,4	34.0	29.4	9.9	97	82.2	20.5	40.4	55.8	6.8	38.0	3288	33089	35.2	29.3	10.3	99	81.7	20.7	40.9	55.1	6.7	38.5	3262	34338		
DYNAMRO D40SS48	P500	100	1,2,3,4,6	39.5	26.2	10.3	99	81.9	19.4	38.1	52.5	6.8	40.0	3303	33514	40.7	24.7	10.0	100	81.6	18.2	37.3	50.6	6.8	41.6	3290	32894		
GREAT LAKES 5283STXRB	P500	102	1,2,3,6	38.8	27.6	10.8	**	98	82.4	17.9	36.7	51.8	6.8	41.0	3347	35210	39.9	25.1	10.0		98	82.3	17.2	37.0	51.8	6.8	42.0	3333	33480
LEGACY SEEDS L-5350 3122 E-Z f	C250	104	1,2,3,4,6	36.3	28.2	10.1	98	81.5	20.3	39.2	52.9	6.8	37.4	3275	33450	38.3	27.6	10.6	**	100	81.1	20.8	40.8	53.6	6.6	37.1	3229	31411	
RENK RK565GTCBLRWBL	C250	99	1,2,3,4,6	41.7	24.7	10.2	99	82.1	19.6	37.8	52.6	7.0	40.5	3313	33378	44.5	21.4	9.6	100	81.7	21.2	40.5	54.8	7.0	39.7	3267	31457		
RENK RK629VT3P	P250	101	1,2,3	37.5	28.5	10.5	95	82.2	20.2	38.0	52.9	7.0	38.5	3295	34487	39.9	26.8	10.7	**	97	82.3	20.3	36.9	52.0	6.9	38.6	3260	34799	
STEYER 10102 VT2PRORIBC	C250	101	1,2,14	41.3	23.5	9.6	98	82.5	19.0	37.3	52.8	6.7	41.8	3348	31988	42.1	22.0	9.2	98	81.3	19.9	38.6	51.1	6.7	41.2	3260	29074		
AVERAGE				38.7	26.8	10.2	98.0	82.1	19.6	38.4	53.3	6.8	39.6	3310	33652	40.7	25.2	10.2		99.0	81.8	19.8	39.0	53.1	6.8	39.9	3275	33192	

2015		Ingham - Early										Ottawa - Early																
BRAND / HYBRID	TRT	RM	TRAIT	YIELD					%QUALITY					YIELD					%QUALITY					MILK 2006				
				%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	
CROPLAN 4099SS/RIB	A500	99	1,2,3,4,6	36.1	27.2	9.5	100	82.7	20.5	39.2	55.9	6.9	39.3	3342	31428	41.5	27.1	11.2	**	99	83.0	15.6	34.4	50.6	7.5	40.2	3346	39257
CROPLAN 5415SS/RIB	A500	104	1,2,3,4,6	35.4	27.9	9.6	100	81.8	21.5	41.3	56.0	6.0	36.6	3272	29500	38.1	29.0	11.1	*	100	81.5	19.0	36.7	49.4	7.7	41.1	3275	36181
DAIRYLAND SEED DS-9693	C500	93	1,2,3,4,6	41.6	22.9	8.9	98	84.2	15.3	33.5	52.8	7.5	44.1	3479	30808	40.4	21.2	8.6	93	80.9	18.5	35.9	46.9	8.4	38.7	3245	27550	
DAIRYLAND SEED HI DF-3099-9	C500	99	1,2,3,4,6	36.6	29.6	10.6	93	83.1	16.4	34.2	50.5	7.0	42.3	3390	30595	36.2	29.2	10.5	*	100	79.2	22.0	40.6	48.7	7.8	36.6	3102	32346
DAIRYLAND SEED HI DF-3197-7	C500	97	1,2,4,6	40.9	20.6	8.3	99	81.9	21.4	39.3	53.9	7.0	39.7	3293	25913	37.4	25.8	9.8	92	82.1	18.8	35.7	49.9	7.6	42.1	3321	32636	
DAIRYLAND SEED HI DF-3700SSX	C500	100	1,2,3,4,6	35.6	27.1	9.7	100	81.0	20.7	39.6	52.0	6.3	37.6	3241	32959	38.4	25.8	10.2	*	96	81.3	23.2	36.9	49.4	7.1	39.1	3267	33596
DAIRYLAND SEED HI DF-3702-9	C500	102	1,2,3,4	33.3	27.3	8.8	99	82.4	20.2	38.6	54.5	6.5	39.0	3334	30800	33.4	29.2	9.7	87	82.9	19.9	36.6	53.3	7.6	39.6	3356	32710	
DYNAGRO D40SS48	P500	100	1,2,3,4,6	40.6	27.3	10.8	99	82.3	19.9	37.7	53.3	6.7	40.4	3337	35729	42.8	23.0	9.9	98	80.8	22.9	41.4	53.6	7.4	36.4	3184	29146	
GREAT LAKES 5283STX/RIB	P500	102	1,2,3,6	42.5	27.9	12.4	**	97	82.3	16.9	34.7	49.0	6.4	43.1	3364	38871	37.1	28.1	10.3	94	82.1	18.1	35.5	49.6	7.7	40.3	3324	33913
LEGACY SEEDS L-4424 GENSS	P500	100	1,2,3,4,6	38.1	27.0	9.8	100	81.5	19.0	39.3	53.0	6.6	38.5	3272	32101	37.6	26.0	9.8	88	81.2	17.5	38.1	50.8	7.7	40.2	3245	33406	
LEGACY SEEDS L-5350 3122 E-Z f	C250	104	1,2,3,4,6	34.1	27.3	9.1	100	82.2	20.4	38.4	53.8	6.8	38.4	3323	29996	36.3	27.3	9.9	89	81.4	19.8	38.0	50.9	7.6	36.4	3257	32125	
M&W SEEDS 45A38	P250	101	1,2,3,4,6	43.1	24.5	10.2	91	84.5	16.0	34.8	55.6	6.9	43.8	3488	35482	39.0	19.4	7.5	80	78.8	25.8	46.6	54.5	7.0	30.8	3018	29262	
M&W SEEDS 45J99	P250	104	1,2	37.9	25.3	9.5	99	80.4	19.1	39.7	50.7	6.3	40.7	3209	30333	33.8	29.6	10.0	94	78.2	25.0	44.0	50.3	8.0	31.0	3079	29728	
M&W SEEDS 47J66	P250	94	1,2	43.1	20.1	8.7	100	84.6	14.2	31.5	51.1	7.0	48.0	3523	32480	41.6	23.1	9.6	97	81.6	19.8	36.7	49.7	7.5	41.1	3229	33426	
MASTERS CHOICE MCT-5371	C250	103	1	35.3	27.9	9.9	98	80.9	19.2	39.6	51.9	6.8	37.6	3238	31906	34.7	24.8	8.6	78	81.6	20.4	36.6	49.8	7.5	40.0	3284	28003	
NuTech/G2 GENETICS 5H-502™	P500	102	1,2,4,6	37.9	28.1	10.3	99	82.1	20.0	38.3	53.1	6.9	39.5	3315	33918	40.3	27.2	10.8	*	96	81.1	21.0	38.5	51.1	7.9	42.7	3235	34810
PIONEER P0242AMXT	C250	104	1,2,3,4,6	37.8	26.3	9.8	99	83.3	20.2	38.6	56.7	7.0	39.0	3382	30093	35.8	28.0	9.9	86	82.7	19.2	35.8	51.6	7.2	41.0	3357	33091	
RENK RK415VT2P	P250	92	1,2	41.1	21.5	8.8	99	84.1	17.3	33.5	52.5	7.0	45.4	3479	30483	46.6	21.5	9.4	97	80.7	18.7	36.8	47.4	7.8	43.1	3228	30493	
RENK RK544SSTX	P500	95	1,2,3,4,6	40.8	21.0	8.5	100	82.2	20.5	39.6	55.3	6.7	37.9	3373	28178	40.1	22.6	8.9	89	82.5	18.9	35.2	50.3	7.7	41.9	3351	29632	
RENK RK565GTCBLLRWBL	C250	99	1,2,3,4,6	38.6	27.4	10.7	100	82.6	16.9	34.4	49.5	7.1	44.0	3381	34115	43.6	23.0	10.0	96	83.4	16.7	33.4	50.2	7.3	45.2	3419	34200	
RENK RK629VT3P	P250	101	1,2,3	38.3	28.3	10.0	94	83.8	16.0	33.9	52.1	7.2	42.3	3427	31952	36.3	24.6	8.8	82	81.7	18.0	36.7	50.0	7.8	40.3	3286	28807	
STEYER 10102 VT2PRORIBC	C250	101	1,2,14	44.2	24.0	9.1	100	83.0	17.6	35.5	52.1	6.7	43.6	3394	30823	49.3	20.3	10.0	96	80.3	17.5	33.5	51.5	7.6	44.7	3441	34272	
STEYER 9203 VT2PRORIBC	C250	92	1,2,14	39.4	21.6	9.5	99	84.5	15.5	33.1	53.2	6.7	46.6	3505	33122	39.3	22.2	8.7	90	80.3	20.1	39.3	49.8	7.5	38.6	3180	24737	
STEYER 9801 GT	C250	98	Conv.	38.7	25.4	9.4	100	80.8	21.0	39.8	51.7	6.9	37.9	3227	30082	45.6	20.2	9.3	97	81.0	20.0	38.6	50.8	7.3	38.5	3230	29728	
AVERAGE				38.8	25.5	9.7	98.5	82.6	18.6	37.0	52.9	6.8	41.0	3355	31960	39.4	24.9	9.7	92.2	81.4	19.8	37.6	50.4	7.6	39.6	3260	31619	
HIGHEST				44.4	29.6	12.4	100.0	84.6	21.5	41.3	56.7	7.5	48.0	3523	38871	49.3	29.6	11.2	100.0	83.8	25.8	46.6	54.5	8.4	45.2	3441	39257	
LOWEST				33.3	20.1	8.3	91.0	80.4	14.2	31.5	49.0	6.0	36.6	3209	25913	33.4	19.4	7.5	77.5	78.2	15.6	33.4	46.9	7.0	30.8	3009	22362	
CV (%)				6.7	11.5	11.7	3.7	2.5	9.5	7.0	7.1	6.9	7.9	4	7	6.9	6.5	8.5	7.5	2.5	10.2	7.4	7.2	5.6	7.1	4	7	
LSD (5%)				3.1	3.5	1.3	4.3	2.4	2.1	3.1	4.4	0.6	3.8	1.63	2.722	3.2	1.9	1.0	8.2	2.4	2.4	3.3	4.3	0.5	3.3	156	2770	

2 Year Averages 2015 - 2014		Ingham - Early										Ottawa - Early																	
BRAND / HYBRID	TRT	RM	TRAIT	YIELD					%QUALITY					YIELD					%QUALITY					MILK 2006					
				%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		
CROPLAN 4099SS/RIB	A500	99	1,2,3,4,6	36.2	29.2	10.4	100	82.9	19.7	38.3	55.4	6.8	39.3	3372	34906	40.3	25.8	10.4	*	99	83.4	16.2	35.1	52.5	7.0	42.0	3395	35287	
CROPLAN 5415SS/RIB	A500	104	1,2,3,4,6	35.0	30.0	10.4	99	82.1	21.0	40.7	56.0	6.1	36.4	3303	33496	35.1	31.2	11.1	**	100	81.0	20.8	39.6	51.8	7.0	38.2	3238	36048	
DAIRYLAND SEED HI DF-3197-7	C500	97	1,2,4,6	39.7	22.9	9.2	100	82.2	21.6	40.7	56.3	7.0	38.8	3306	29716	39.4	25.1	9.9	95	82.0	20.0	37.8	52.3	7.2	41.8	3314	32985		
DAIRYLAND SEED HI DF-3702-9	C500	102	1,2,3,4	32.8	29.3	9.4	99	82.3	20.9	40.1	55.8	6.5	35.5	3285	31751	34.4	29.7	10.1	93	82.5	19.9	40.3	56.5	7.2	39.9	3316	33178		
DYNAGRO D40SS48	P500	100	1,2,3,4,6	39.1	28.5	11.0	*	98	82.9	18.2	36.8	53.6	6.7	40.8	3384	37025	38.8	25.6	9.8	98	81.1	21.9	40.4	53.3	6.8	37.7	3235	30621	
GREAT LAKES 5283STX/RIB	P500	102	1,2,3,6	39.0	29.4	11.7	**	98	82.3	18.0	36.4	51.4	6.5	40.5	3356	37766	37.6	28.3	10.6	*	97	82.5	18.4	36.7	52.3	7.0	40.4	3352	34385
LEGACY SEEDS L-5350 3122 E-Z f	C250	104	1,2,3,4,6	34.7	30.0	10.3	100	82.0	20.3	38.9	53.7	6.7	37.4	3314	34035	35.9	26.8	9.6	94	81.5	19.6	38.0	51.4	7.0	37.7	3283	32203		
RENK RK565GTCBLLRWBL	C250	99	1,2,3,4,6	38.7	28.0	10.9	*	100	82.7	18.4	35.8	51.5	7.0	40.6	3351	34665	41.8	24.6	10.3	98	80.0	19.2	37.2	51.5	7.0	41.4	3321	34010	
RENK RK629VT3P	P250	101	1,2,3	36.9	30.8	10.9	97	83.6	18.2	35.1	53.2	7.0	41.4	3425	37362	35.8	27.8	9.9	90	82.7	22.0	41.8	53.5	7.0	35.6	3200	31298		
STEYER 10102 VT2PRORIBC	C250	101	1,2,14	38.6	25.1	9.5	98	83.0	17.8	36.3	53.0	6.5	42.5	3393	33186	43.2	23.4	9.9	97	83.2	19.5	37.1	54.4	6.9	41.6	3391	33704		
AVERAGE				37.1	28.3	10.4	98.9	82.6	19.4	37.9	54.0	6.7	39.3	3349	34391	38.2	26.8	10.2	96.1	82.0	19.8	38.4	52.9	7.0	39.6	3305	33372		
HIGHEST																													

TABLE 8L.

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

ZONE 2 - 3

2015		Late - TRIAL AVERAGE										Huron - Late															
		BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%YIELD	%STANDARD	IVD	ADF	NDF	NDFFD	CP	STR	MILK	MK/A	%QUALITY	IVD	ADF	NDF	NDFFD	CP	STR	MILK	MK/A
AGRIGOLD A6408VT3PRIB	107	P500	1,2,3	41.4	23.9	9.9	97	81.6	19.3	36.9	50.2	6.8	40.8	3279	31774	40.6	24.2	9.7	92	79.6	20.8	38.8	47.4	6.6	37.5	3119	28450
AGRIGOLD A6416STXRIB	107	P500	1,2,3,4,6	36.1	27.0	9.8	98	81.8	19.3	36.7	50.2	6.8	41.1	3301	32223	36.1	27.7	10.0	100	80.5	18.7	36.3	46.3	6.6	42.5	3225	32195
AGRIGOLD A6442STXRIB	109	P500	1,2,3,4,6	35.0	28.6	9.9	98	79.3	22.6	41.3	49.8	6.8	35.5	3114	31372	36.6	25.5	9.3	100	79.1	22.3	41.8	50.0	6.8	36.7	3093	28881
CROPLAN 6065SSRIB	110	A500	1,2,3,4,6	36.3	30.0	10.8	98	80.1	20.9	39.5	49.7	7.0	37.0	3177	33949	37.0	27.6	10.2	100	80.1	19.6	38.1	47.7	7.0	39.3	3183	32517
DAIRYLAND SEED HI DF-3108RA	108	C250	1,2,3,4,6	33.1	29.7	9.8	94	78.9	21.9	41.3	49.0	6.6	34.9	3128	29688	37.0	29.2	10.8	97	80.3	20.1	40.7	51.5	6.3	38.7	3170	32271
DAIRYLAND SEED HI DF-3510SSX	110	C250	1,2,3,4,6	33.2	33.0	10.9	97	81.3	21.0	38.1	51.0	6.6	38.4	3260	35576	35.1	32.5	11.4	99	80.7	19.6	37.6	48.5	6.7	39.6	3222	34806
DAIRYLAND SEED HI DF-3605-9	105	C500	1,2,3,4,6	36.8	29.1	10.6	94	80.0	20.1	38.2	47.7	6.9	38.2	3168	33511	36.2	29.2	10.5	95	78.3	20.8	39.6	45.3	6.7	38.9	3069	30792
DAIRYLAND SEED HI DF-3808SSX	108	C1250	1,2,3,4,6	34.8	29.8	10.3	96	80.5	22.3	40.9	52.3	6.4	32.3	3091	32409	33.3	28.0	9.3	91	79.5	22.3	41.0	50.2	6.1	32.0	2978	29310
DYNAGRO D48SS38	108	P500	1,2,3,4,6	35.3	27.2	9.6	98	80.5	21.0	39.7	50.9	6.7	35.0	3123	29902	38.9	24.6	9.6	94	80.7	19.1	39.6	51.2	6.7	36.2	3205	28561
DYNAGRO D50SS43	110	P500	1,2,3,4,6	37.3	28.3	10.5	97	80.5	21.0	39.3	50.5	6.7	38.7	3203	33265	38.2	26.0	9.9	95	81.7	19.3	37.5	51.1	7.0	40.2	3281	32572
GOLDEN HARVEST G05T82-3122	105	C500	1,2,3,4,6	37.8	26.1	9.6	94	80.7	20.2	38.6	50.0	6.6	37.5	3222	31064	39.8	26.9	10.0	90	80.6	19.1	37.1	47.7	6.4	39.8	3227	32457
GOLDEN HARVEST G07B39-3111f	107	C500	1,2,3,4,6	33.2	31.7	10.5	97	82.3	19.1	37.2	52.4	6.5	39.2	3326	34125	34.5	31.6	10.9	100	81.4	20.2	38.8	52.1	6.1	38.7	3257	33428
GOLDEN HARVEST G07V88-3000C	107	C500	1,2,3,4	37.9	26.1	9.8	88	80.9	21.0	38.7	50.8	6.5	38.9	3236	30942	39.3	23.4	9.2	80	81.2	20.6	38.3	50.9	6.3	39.8	3250	29889
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	35.2	28.1	9.9	95	81.4	21.1	37.6	50.6	7.1	39.5	3271	31252	34.4	25.4	8.7	86	80.7	20.1	38.6	50.0	6.7	40.4	3215	27893
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	34.7	30.0	10.1	97	80.0	22.0	39.5	49.5	7.0	36.2	3138	32585	34.8	26.8	9.3	92	77.4	24.5	41.9	46.0	7.0	32.7	2891	28828
LEGACY SEEDS L-7253 3000GT	112	C250	1,2,3,4	36.0	29.8	10.6	96	81.4	20.4	37.7	50.9	6.7	38.4	3242	34913	36.2	28.5	10.5	100	79.5	21.3	40.0	48.8	6.4	38.0	3136	32010
NK Brand N53W-3122	105	C500	1,2,3,4,6	38.3	26.5	10.1	96	81.9	18.3	36.0	49.8	6.8	41.0	3315	34247	40.8	26.1	10.5	98	81.9	18.3	36.0	49.8	6.4	42.1	3314	34705
NK Brand N59B-3111A	107	C500	1,2,3,4,6	33.9	29.7	10.1	98	79.9	21.7	41.4	51.4	6.2	33.5	3062	31473	33.0	30.0	9.8	100	79.4	22.2	41.5	50.5	6.1	29.4	2855	30140
NK Brand N61P-3000GT Brand	107	C500	1,2,3,4	38.2	25.5	9.7	91	82.7	19.1	35.7	51.7	6.6	41.5	3355	32715	38.4	24.8	9.5	98	81.9	19.7	37.1	51.1	6.3	41.6	3301	31342
NuTech/G2 GENETICS 5F-709™	109	P500	1,2,4,6	34.1	29.2	9.9	99	80.9	19.9	37.7	49.4	6.8	38.6	3242	32212	38.0	28.3	10.7	99	83.4	17.2	34.3	51.6	7.1	42.5	3412	36589
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	36.4	28.7	10.5	100	82.0	19.7	37.2	51.7	6.8	39.8	3312	34793	39.6	28.5	11.3	100	84.1	16.6	33.5	52.4	7.0	44.7	3460	39023
NuTech/G2 GENETICS 5Z-308™	108	P500	1,2,4,6	32.3	31.6	10.2	99	81.9	20.6	38.9	53.6	7.2	37.8	3286	34253	33.4	30.8	10.3	100	82.4	19.7	37.8	53.5	6.7	39.6	3324	34329
PIONEER P0496AMX	106	C250	1,2,3,4,6,7	36.9	26.5	9.7	93	82.7	19.0	35.4	51.1	7.5	41.4	3365	33753	37.1	26.5	9.8	100	82.0	20.8	36.4	50.6	7.4	40.6	3312	34203
PIONEER P0506AM	107	P1250	1,2,3,4,6	36.2	27.1	9.8	90	82.0	20.4	38.2	52.8	7.0	38.6	3297	32399	35.8	27.4	9.8	84	81.3	20.5	38.8	51.8	7.0	38.6	3246	31836
PIONEER P0677XR	106	C250	1,2,3,4,6,7	40.8	24.5	9.9	99	85.5	16.9	35.7	59.3	7.5	41.6	3526	35905	40.9	23.5	9.6	96	84.6	18.7	37.8	59.1	7.5	39.7	3440	32929
PIONEER P0921AMXT	109	C250	1,2,3,4,6	32.6	33.0	10.7	97	81.8	20.4	37.1	50.9	6.8	38.3	3300	35561	34.2	32.3	11.1	98	82.5	18.9	36.5	52.1	6.6	40.0	3343	36940
PIONEER P1180XR	111	C250	1,2,3,4,6	32.0	28.5	9.0	99	86.0	18.1	36.2	61.3	7.3	38.3	3526	31900	33.4	27.8	9.3	100	86.0	17.5	35.6	60.8	7.3	40.3	3550	32954
RENK RK712SSTX	106	P500	1,2,3,4,6	41.2	23.8	9.6	93	83.1	17.0	35.0	51.8	6.9	42.1	3393	32186	42.0	24.4	10.1	91	83.0	16.7	35.2	51.6	6.8	42.9	3380	34192
RENK RK776SSTX	107	P500	1,2,3,4,6	37.3	26.6	10.0	98	81.1	19.6	38.6	51.0	6.8	38.8	3246	32544	39.3	25.4	10.0	100	81.1	18.0	37.4	49.4	6.8	40.8	3251	32510
RENK RK810SSTX	109	P500	1,2,3,4,6	36.9	27.8	10.2	100	81.9	17.8	35.6	49.3	6.6	40.8	3315	33729	37.5	27.5	10.3	100	81.2	18.6	36.6	48.8	6.6	37.8	3245	33359
STEYER 10404 VIP3122	105	C250	1,2,4,6	35.4	26.6	9.5	93	80.8	20.1	39.0	50.5	6.6	38.5	3222	31880	37.0	24.5	8.8	92	80.4	20.4	42.3	53.2	6.2	38.2	3157	30266
STEYER 11103 VT2PRORIBC	111	C250	1,2	38.2	26.9	10.1	99	80.8	20.1	38.9	50.7	6.6	37.5	3206	32372	36.1	26.1	9.4	100	78.6	22.2	42.3	49.4	6.4	32.9	3004	28145
AVERAGE				36.1	28.2	10.0	96.1	81.4	20.1	38.1	51.3	6.8	38.4	3258	32827	37.0	27.2	10.0	95.9	81.1	19.8	38.3	50.6	6.7	38.8	3222	32198
HIGHEST				41.4	33.0	10.9	99.9	86.0	22.6	41.4	61.3	7.5	42.1	3526	35905	42.0	32.5	11.4	100.0	86.0	24.5	42.3	60.8	7.5	44.7	3550	39023
LOWEST				32.0	23.8	9.0	88.4	78.9	16.9	35.0	47.7	6.2	32.3	3062	29688	33.0	23.4	8.7	80.4	77.4	16.6	33.5	45.3	6.1	29.4	2855	27893
CV (%)				7.0	6.2	8.1	6.6	2.7	11.2	7.6	8.2	6.0	8.6	5	7	5.9	5.7	6.7	9.6	2.8	10.3	8.3	8.5	5.4	8.0	5	7
LSD (5%)				1.7	1.2	0.5	4.3	1.5	1.5	2.0	2.8	0.3	2.2	103	1631	2.6	1.8	0.8	10.8	2.7	2.4	3.7	5.0	0.4	3.6	197	2714

2015		Ingham - Late										Ottawa - Late															
BRAND / HYBRID	TRAIT	RM	TRT	YIELD					% QUALITY					YIELD					% QUALITY								
				%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
AGRIGOLD A6408VT3PRIB	1,2,3	107	P500	40.9	24.1	10.0	100	81.9	19.6	37.1	51.2	6.3	41.1	3310	33129	42.6	23.3	9.9	98	83.3	17.6	34.7	51.8	7.4	43.8	3409	33745
AGRIGOLD A6416STXRIB	1,2,3,4,6	107	P500	36.5	23.2	8.5	100	82.7	20.0	38.5	55.1	6.0	39.1	3343	28529	35.7	30.2	10.8	95	82.2	19.1	35.3	49.4	7.7	41.8	3335	35946
AGRIGOLD A6442STXRIB	1,2,3,4,6	109	P500	37.7	26.6	10.1	100	79.5	21.7	40.6	49.3	6.0	36.6	3137	32803	30.9	33.8	10.4	93	79.3	23.7	41.5	50.1	7.7	34.1	3111	32431
CROPLAN 6065SSIRIB	1,2,3,4,6	110	A500	37.6	27.8	10.5*	99	79.8	22.3	41.6	51.4	6.2	35.2	3146	31618	34.2	34.7	11.8**	96	80.5	20.7	39.0	50.0	7.9	36.5	3203	37713
DAIRYLAND SEED HI DF-3108RA	1,2,3,4,6	108	C250	32.3	29.0	9.3	98	78.2	21.5	40.0	45.8	6.1	36.3	3175	28762	29.9	30.9	9.2	86	78.3	24.0	43.3	49.9	7.4	29.7	3039	28032
DAIRYLAND SEED HI DF-3510SSX	1,2,3,4,6	110	C250	32.5	31.6	10.3*	100	80.7	23.5	41.1	53.0	5.8	35.8	3201	34396	32.0	34.9	11.1*	91	82.6	19.9	35.8	51.5	7.3	39.7	3358	37526
DAIRYLAND SEED HI DF-3605-9	1,2,3,4,6	105	C500	38.5	30.1	11.1*	98	80.7	19.0	38.8	50.3	6.2	38.7	3225	37416	35.9	28.1	10.1	90	81.1	20.7	36.0	47.5	7.7	37.0	3210	32324
DAIRYLAND SEED HI DF-3808SSX	1,2,3,4,6	108	C1250	37.5	28.9	10.7*	100	81.1	20.6	38.5	50.8	5.8	34.3	3114	33304	33.6	32.6	10.9*	97	80.9	24.1	43.4	56.1	7.3	30.6	3183	34613
DYNAGRO D48SS38	1,2,3,4,6	108	P500	36.0	27.0	9.8	100	81.1	18.7	38.9	51.4	6.1	38.7	3246	31952	31.0	30.1	9.3	99	79.8	25.3	40.5	50.1	7.2	30.2	2916	29192
DYNAGRO D50SS43	1,2,3,4,6	110	P500	41.1	26.1	10.8*	99	80.9	19.9	39.1	51.2	5.7	39.4	3237	34815	32.6	32.8	10.7	98	78.9	23.9	41.4	49.3	7.6	36.3	3092	32407
GOLDEN HARVEST G05T82-3122	1,2,3,4,6	105	C500	39.2	23.7	9.3	100	79.8	21.7	40.5	50.2	5.9	36.4	3160	29290	34.4	27.9	9.6	92	81.7	19.8	38.3	52.2	7.6	36.3	3281	31446
GOLDEN HARVEST G07B39-3111F	1,2,3,4,6,A	107	C500	32.5	32.7	10.5*	100	82.4	18.3	35.9	51.1	6.4	40.4	3352	35133	32.6	30.7	10.0	90	83.0	18.9	37.1	54.0	7.0	38.4	3368	31816
GOLDEN HARVEST G07V88-3000C	1,2,3,4	107	C500	38.9	25.5	9.6	93	80.9	21.1	38.8	50.7	5.9	38.1	3236	29290	35.6	29.4	10.4	92	80.8	21.3	39.1	50.7	7.3	38.9	3221	33648
GREAT LAKES 575S5TXRIB	1,2,3,6	107	P500	40.2	27.2	10.9*	100	83.5	16.7	33.6	50.8	6.5	44.2	3433	35733	30.9	31.8	10.2	99	80.1	26.6	40.7	51.0	8.1	33.9	3164	30130
GREAT LAKES 6068STXRIB	1,2,3,6	110	P500	38.8	29.6	11.2**	100	81.9	18.8	36.1	49.8	6.4	41.1	3316	37180	30.5	33.6	9.9	99	80.8	22.7	40.6	52.8	7.6	34.9	3206	31748
LEGACY SEEDS L-7253 3000GT	1,2,3,4	112	C250	38.0	29.8	10.8*	100	82.2	19.0	36.9	51.7	6.6	41.1	3327	36435	33.9	31.2	10.6	87	82.6	21.0	36.4	52.1	7.3	36.2	3263	36293
NK Brand N53W-3122	1,2,3,4,6	105	C500	37.5	25.2	9.4	99	80.9	18.8	36.6	47.8	6.4	40.8	3251	33196	36.7	28.2	10.3	89	82.9	17.9	35.5	51.9	7.6	40.1	3379	34841
NK Brand N59B-3111A	1,2,3,4,6,A	107	C500	34.8	28.8	10.0	100	79.6	21.3	41.8	51.3	5.4	36.6	3137	31480	33.9	30.4	10.3	94	80.6	21.7	40.9	52.6	7.1	34.4	3195	32799
NK Brand N61P-3000GT Brand	1,2,3,4	107	C500	39.2	25.5	10.0	93	84.2	17.6	34.3	53.8	6.4	43.4	3468	33147	37.0	26.4	9.5	82	82.2	20.1	35.8	50.1	7.1	39.6	3294	33657
NuTech/G2 GENE TICS 5F-709™	1,2,4,6	109	P500	33.2	28.4	9.4	100	79.0	20.8	38.6	45.5	5.8	37.6	3128	29410	31.1	30.9	9.6	99	80.4	21.7	40.3	51.3	7.5	35.9	3187	30637
NuTech/G2 GENE TICS 5H-806™	1,2,4,6	106	P500	36.1	27.4	9.9	100	81.8	19.7	37.2	50.8	6.5	39.6	3300	32724	33.6	30.3	10.3	99	80.3	22.7	41.1	52.0	6.9	35.3	3177	32632
NuTech/G2 GENE TICS 5Z-308™	1,2,4,6	108	P500	32.3	31.1	10.1	100	81.6	20.8	38.9	52.7	7.0	38.2	3273	33078	31.3	32.8	10.3	98	81.7	21.5	40.2	54.6	7.8	35.6	3261	35351
PIONEER P0496AMX	1,2,3,4,6,7	106	C250	38.6	24.3	9.6	100	83.2	16.4	32.7	48.6	6.9	44.7	3418	34772	34.9	28.6	9.6	80	83.0	20.0	37.1	54.1	8.1	38.8	3364	32284
PIONEER P0506AM	1,2,3,4,6	107	P1250	38.6	25.5	10.0	99	81.8	20.7	38.7	53.1	6.6	38.4	3288	32850	34.2	28.5	9.7	87	82.8	20.0	37.0	53.6	7.5	38.8	3358	32510
PIONEER P0677XR	1,2,3,4,6,7	106	C250	44.6	23.6	10.4*	100	86.2	15.7	35.1	60.4	6.9	43.7	3581	37152	36.8	26.6	9.8	100	85.8	16.4	34.3	58.5	8.0	41.4	3556	37634
PIONEER P092TAMXT	1,2,3,4,6	109	C250	34.9	30.8	10.7*	100	82.2	19.8	37.5	52.4	5.8	39.1	3322	35628	28.7	35.7	10.2	92	80.7	22.5	37.2	48.3	7.9	36.0	3234	34115
PIONEER P1180XR	1,2,3,4,6	111	C250	30.5	26.8	8.2	100	85.9	19.9	37.8	62.8	6.7	35.2	3468	28357	32.2	30.9	9.7	96	86.0	17.1	35.2	60.3	8.1	39.3	3559	34389
RENK RK72SSTX	1,2,3,4,6	106	P500	43.6	22.5	9.5	97	84.7	16.2	33.6	54.6	6.6	43.8	3506	31883	38.0	24.6	9.3	90	81.6	18.3	36.3	49.2	7.4	39.6	3293	30484
RENK RK76SSTX	1,2,3,4,6	107	P500	39.8	25.9	10.7*	100	81.6	20.6	39.2	53.1	6.0	38.9	3273	35130	32.8	28.4	9.3	95	80.7	20.1	39.2	50.6	7.7	36.6	3213	29991
RENK RK810SSTX	1,2,3,4,6	109	P500	36.4	25.4	9.2	100	82.6	17.9	35.5	50.9	5.8	41.9	3368	31084	37.0	30.4	11.0*	100	82.0	16.8	34.8	48.1	7.2	42.6	3331	36743
STEYER 10404 VIP3122	1,2,4,6	105	C250	35.9	26.6	9.6	98	81.0	19.4	37.5	49.3	6.3	39.5	3256	31385	33.4	28.8	9.9	87	81.0	20.6	37.2	48.9	7.3	37.9	3253	33989
STEYER 11103 VT2PRORIBC	1,2	111	C250	41.1	26.0	10.2*	99	83.6	16.9	34.0	51.8	6.0	43.9	3441	35171	37.3	28.6	10.7	98	80.2	21.2	40.5	51.0	7.4	35.9	3172	33800
AVERAGE				37.4	27.1	10.0	99.1	81.8	19.5	37.6	51.6	6.2	39.4	3295	33007	33.9	30.2	10.1	93.4	81.5	20.9	38.3	51.7	7.5	37.1	3256	33277
HIGHEST				44.6	32.7	11.2	100.0	86.2	23.5	41.8	62.8	7.0	44.7	3581	37416	42.6	35.7	11.8	100.0	86.0	26.6	43.4	60.3	8.1	43.8	3559	37713
LOWEST				30.5	22.5	8.2	92.7	78.2	15.7	32.7	45.5	5.4	34.3	3114	28357	28.7	23.3	9.2	80.4	78.3	16.4	34.3	47.5	6.9	29.7	2916	28032
CV (%)				7.1	6.6	8.7	1.7	2.6	9.9	7.4	8.2	7.9	8.0	4	8	6.9	6.1	7.4	6.2	2.7	10.8	7.2	8.0	4.5	8.5	5	8
LSD (5%)				3.1	2.1	1.0	2.0	2.5	2.3	3.3	7.1	0.6	3.7	166	2973	2.7	2.2	0.9	6.8	2.5	2.7	3.3	4.9	0.4	3.7	176	3007

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

- Table 8L Continued On Page 42.

TABLE 8L - Continued from page 41.

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

ZONE 2 - 3

2 Year Averages 2015 - 2014										Late - TRIAL AVERAGE										Huron - Late									
BRAND / HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY			MILK 2006	YIELD			% QUALITY			MILK 2006	YIELD			% QUALITY			MILK 2006					
				%DM	GT/A	DT/A	%STD	IVD	ADF		NDF	NDFF	CP	STR	MK/T	MK/A		%DM	GT/A	DT/A	%STD	IVD	ADF		NDF	NDFF	CP	STR	MK/T
AGRIGOLD A6408VT3PRIB	107	P500	1,2,3,4,6	38.9	25.4	9.9	98	81.6	19.8	37.9	51.4	6.8	40.1	3287	32088	38.1	26.5	10.0	96	79.9	21.7	40.2	50.0	6.9	37.6	3159	30614		
AGRIGOLD A6416STXRIB	107	P500	1,2,3,4,6	35.1	28.8	10.0	99	81.9	19.8	38.4	52.8	6.8	39.4	3309	33072	35.3	27.9	9.9	100	80.4	20.5	39.5	50.0	6.7	38.7	3209	31686		
AGRIGOLD A6442STXRIB	109	P500	1,2,3,4,6	34.8	29.9	10.3	97	80.5	21.5	40.5	51.8	6.8	36.1	3204	32612	35.9	27.4	9.8	100	79.9	22.3	42.1	52.4	6.8	34.9	3158	31071		
DAIRYLAND SEED H1DF-3108RA	108	C250	1,2,3,4,6	32.7	30.8	10.2	97	80.6	21.3	40.6	52.2	6.7	35.4	3229	33466	33.3	30.5	11.4	98	81.0	20.9	41.1	53.7	6.4	36.8	3227	34025		
DAIRYLAND SEED H1DF-3510SSX	110	C250	1,2,3,4,6	31.9	34.7	11.0	**	98	81.3	21.3	39.6	52.7	6.7	36.9	3263	35998	33.6	33.2	11.1	**	81.3	20.6	39.6	52.7	6.7	37.3	3260	35361	
DYNAGRO D50SS43	110	P500	1,2,3,4,6	36.3	29.9	10.8	**	99	80.9	20.9	39.8	52.2	6.9	37.4	3240	35017	36.4	27.6	10.0	98	80.4	21.6	41.2	52.3	7.0	35.8	3195	32511	
GOLDEN HARVEST G05T82-3122	105	C500	1,2,3,4,6	36.8	27.6	10.0	96	81.7	19.8	38.7	52.8	6.6	38.2	3297	33724	37.8	27.7	10.1	93	81.3	19.6	38.3	51.1	6.6	39.1	3273	33217		
GOLDEN HARVEST G07V88-3000C	107	C500	1,2,3,4	37.4	28.5	10.6	**	94	81.5	21.5	39.6	53.2	6.5	38.5	3274	34564	38.6	25.3	9.8	89	80.1	21.9	40.7	53.5	6.4	38.0	3243	32430	
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	35.0	29.8	10.4	97	81.7	20.8	38.6	52.7	7.1	38.8	3295	33311	34.5	26.9	9.2	92	80.2	22.1	41.9	52.4	6.9	36.8	3171	29288		
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	35.0	30.6	10.6	**	97	81.0	21.4	39.7	52.1	6.9	36.6	3226	34915	35.5	27.9	9.9	95	79.3	22.9	41.8	50.5	6.9	34.3	3072	31505	
NK Brand N53W-3122	105	C500	1,2,3,4,6	37.5	28.7	10.7	**	97	82.1	18.6	37.2	51.8	6.9	40.2	3330	36294	38.7	26.7	10.3	98	81.4	19.3	39.0	52.1	6.5	39.3	3272	34162	
NK Brand N61P-3000GT Brand	107	C500	1,2,3,4	38.2	27.0	10.3	95	82.4	20.2	37.7	53.1	6.5	40.4	3336	34467	37.9	26.0	9.9	99	81.1	22.1	41.1	53.7	6.3	37.9	3232	31924		
NuTech/G2 GENETICS 5F-709™	109	P500	1,2,4,6	34.9	29.2	10.1	99	82.5	18.9	36.7	52.5	6.9	40.3	3358	34412	36.9	28.1	10.4	99	83.1	18.1	36.3	53.3	7.3	40.8	3398	35240		
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	36.6	29.2	10.7	**	99	82.8	19.6	37.7	54.3	6.9	39.8	3367	35585	38.1	28.8	10.9	**	83.6	18.2	36.5	54.9	6.9	41.7	3424	37480	
PIONEER P0506AM	107	P1250	1,2,3,4,6	36.2	29.2	10.5	95	82.5	19.9	38.0	54.0	7.1	39.3	3340	34947	35.3	28.7	10.1	92	81.2	21.5	40.3	53.2	7.1	38.4	3244	32844		
PIONEER P1180XR	111	C250	1,2,3,4,6	32.0	28.5	9.1	98	86.5	17.7	36.6	63.1	7.5	38.6	3574	32794	32.6	27.4	8.9	99	86.1	17.6	36.8	62.0	7.6	39.8	3555	31760		
RENK RK712SSTX	106	P500	1,2,3,4,6	38.2	26.9	10.1	96	82.5	18.9	37.4	53.1	7.0	39.9	3351	33766	38.4	26.1	9.9	96	81.8	19.8	38.8	52.9	6.9	39.6	3299	32623		
AVERAGE				35.7	29.1	10.3	97.1	82.0	20.1	38.5	53.3	6.9	38.6	3311	34178	36.3	27.8	10.0	96.6	81.4	20.6	39.7	53.0	6.8	38.0	3258	32808		
HIGHEST				38.9	34.7	11.0	99.1	86.5	21.5	40.6	63.1	7.5	40.4	3574	36294	38.7	33.2	11.1	100.0	86.1	22.9	42.1	62.0	7.6	41.7	3555	37480		
LOWEST				31.9	25.4	9.1	93.6	80.5	17.7	36.6	51.4	6.5	35.4	3204	32088	32.6	25.3	8.9	88.6	79.3	17.6	36.3	50.0	6.3	34.3	3072	29288		
CV (%)				6.2	6.5	7.9	5.0	2.3	9.8	6.9	6.8	5.5	7.9	4	7	5.4	5.3	6.7	6.8	2.6	8.7	7.2	7.2	5.3	7.6	5	7		
LSD (5%)				1.1	0.9	0.4	2.3	0.9	0.9	1.3	1.7	0.2	1.5	62	1118	1.6	1.6	0.6	5.5	1.7	1.5	2.4	3.1	0.3	2.4	121	1885		

2 Year Averages 2015 - 2014										Ingham - Late										Ottawa - Late									
BRAND / HYBRID	RM	TRT	TRAIT	YIELD			% QUALITY			MILK 2006	YIELD			% QUALITY			MILK 2006	YIELD			% QUALITY			MILK 2006					
				%DM	GT/A	DT/A	%STD	IVD	ADF		NDF	NDFF	CP	STR	MK/T	MK/A		%DM	GT/A	DT/A	%STD	IVD	ADF		NDF	NDFF	CP	STR	MK/T
AGRIGOLD A6408VT3PRIB	107	P500	1,2,3	40.7	25.5	10.4	98	82.0	19.4	37.4	51.9	6.6	41.0	3322	34681	38.0	24.1	9.2	99	82.8	18.3	36.2	52.4	6.9	41.7	3380	30969		
AGRIGOLD A6416STXRIB	107	P500	1,2,3,4,6	37.3	26.4	9.9	100	83.7	18.4	37.6	56.5	6.4	41.5	3418	33991	32.6	32.2	10.4	97	81.7	20.5	38.0	51.8	7.4	38.2	3300	33539		
AGRIGOLD A6442STXRIB	109	P500	1,2,3,4,6	37.7	28.4	10.7	97	80.5	21.0	40.1	51.2	6.4	36.8	3212	33951	30.9	33.9	10.5	95	81.0	21.2	39.3	51.7	7.2	36.7	3243	32814		
DAIRYLAND SEED H1DF-3108RA	108	C250	1,2,3,4,6	34.8	30.5	10.6	99	80.5	20.5	39.2	50.5	6.4	36.7	3276	34421	30.2	31.5	9.5	93	80.3	22.4	41.5	52.6	7.1	32.6	3184	31954		
DAIRYLAND SEED H1DF-3510SSX	110	C250	1,2,3,4,6	32.4	34.0	11.1	**	100	81.4	21.5	39.7	53.3	6.5	37.2	3270	36905	29.9	36.8	10.9	**	81.2	21.8	39.5	52.3	7.0	36.1	3257	35728	
DYNAGRO D50SS43	110	P500	1,2,3,4,6	40.2	29.1	11.7	**	99	81.7	19.6	38.6	52.6	6.3	39.5	3296	38483	32.3	32.9	10.7	99	80.8	21.6	39.7	51.8	7.3	37.1	3230	34056	
GOLDEN HARVEST G05T82-3122	105	C500	1,2,3,4,6	39.6	26.8	10.6	100	81.9	19.4	38.6	53.3	6.4	38.8	3310	36141	33.0	28.4	9.4	96	82.0	20.3	39.1	53.9	7.0	36.5	3306	31815		
GOLDEN HARVEST G07V88-3000C	107	C500	1,2,3,4	38.7	27.2	10.4	97	81.7	21.2	39.1	53.1	6.1	38.7	3293	33347	34.9	33.1	11.5	**	96	81.7	21.3	39.0	53.0	7.1	38.7	3287	37914	
GREAT LAKES 5755STXRIB	107	P500	1,2,3,6	39.1	28.5	11.1	**	100	83.4	17.6	35.3	52.9	6.8	42.6	3423	37239	31.4	33.8	10.8	**	99	81.7	22.6	38.6	52.7	7.7	36.9	3291	33407
GREAT LAKES 6068STXRIB	110	P500	1,2,3,6	38.7	30.4	11.6	**	97	82.4	19.9	37.3	52.6	6.4	39.6	3347	39833	30.9	33.5	10.3	99	81.3	21.6	40.0	53.4	7.3	35.9	3259	33406	
NK Brand N53W-3122	105	C500	1,2,3,4,6	38.5	28.6	11.1	**	99	81.5	19.3	37.9	51.2	6.8	39.6	3291	37885	35.2	30.7	10.7	95	83.4	17.3	34.8	52.3	7.3	41.6	3426	36836	
NK Brand N61P-3000GT Brand	107	C500	1,2,3,4	40.6	26.0	10.6	95	83.6	18.5	35.5	53.6	6.5	43.1	3433	35739	36.0	29.1	10.3	91	82.5	19.8	36.6	52.1	6.7	40.3	3337	35739		
NuTech/G2 GENETICS 5F-709™	109	P500	1,2,4,6	36.4	28.7	10.4	98	81.5	18.9	36.6	49.6	6.5	40.3	3301	34501	31.6	30.7	9.6	99	83.0	19.7	37.2	54.5	7.0	39.8	3381	33497		
NuTech/G2 GENETICS 5H-806™	106	P500	1,2,4,6	37.8	27.3	10.3	98	82.9	19.1	36.8	53.6	6.8	40.6	3383	34985	33.9	31.5	10.7	100	81.9	21.5	39.7	54.4	7.0	37.0	3293	34290		
PIONEER P0506AM	107	P1250	1,2,3,4,6	40.9	26.7	10.8	99	83.3	19.0	37.0	54.9	6.8	41.2	3400	36919	32.5	32.3	10.4	93	83.2	19.4	36.6	54.1	7.3	38.5	3376	35079		
PIONEER P1180XR	111	C250	1,2,3,4,6	33.3	28.4	9.5	100	87.0	17.7	36.2	64.2	7.3	38.8	3591	35321	30.0	29.6	8.8	97	86.4	17.8	36.9	63.1	7.7	37.3	3577	31301		
RENK RK712SSTX	106	P500	1,2,3,4,6	41.5	25.8	10.5	99	84.1	17.4	35.5	55.1	6.6	42.1	3462	35423	34.8	28.8	9.8	95	81.6	19.5	38.0	5						

TABLE 9 - Continued from page 45. IOSCO, MENOMINEE (LATE) & OSCEOLA COUNTY SILAGE TRIALS (105 Day and Earlier) ZONE 4

2 Year Averages 2015 - 2014		TRIAL AVERAGE										Iosco																
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/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A	
DAIRYLAND SEED HI DF-3197-7	97	C500	1,2,4,6	37.9	22.5	8.6	97	83.6	20.5	40.3	59.4	8.2	36.7	3428	29125	36.7	23.3	8.8*	99	83.3	20.9	40.1	58.3	8.8	37.2	3400	28874	
DAIRYLAND SEED HI DF-3290-9	90	C500	1,2,3,4	40.7	21.6	8.8	98	84.3	17.2	35.1	55.3	8.0	41.7	3506	31128	39.6	22.6	9.1*	100	83.9	17.3	34.5	53.4	8.0	42.7	3478	31213	
DAIRYLAND SEED HI DF-3702-9	102	C500	1,2,3,4	30.4	26.2	8.0	93	84.8	19.9	40.2	62.1	8.5	34.4	3463	27408	30.0	28.1	8.6	98	85.5	20.0	39.1	62.6	9.1	38.3	3513	28739	
GOLDEN HARVEST G01P52-3011A	101	C500	1,2,3,4,6	35.5	22.9	8.1	96	84.3	18.4	37.3	57.8	8.2	38.1	3488	28324	35.2	24.6	8.7	97	84.4	18.5	37.0	57.6	8.6	38.4	3488	29196	
GOLDEN HARVEST G92T43-3111	92	C500	1,2,3,4,6	42.7	19.8	8.4	99	84.1	18.0	36.5	56.6	8.0	40.8	3486	29491	39.2	21.9	8.6	100	84.8	17.5	35.6	57.4	8.3	41.4	3526	30109	
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6	35.4	24.5	8.7	97	84.3	18.8	38.4	59.0	7.8	36.9	3481	29506	34.3	25.6	8.8*	98	83.9	18.8	37.6	57.3	8.0	37.8	3459	29407	
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6	34.5	26.9	9.2*	98	84.4	18.1	37.7	58.6	7.9	37.7	3494	32052	33.0	28.5	9.0**	98	84.2	18.2	38.0	58.6	8.3	37.6	3475	32440	
NK Brand N29T-3111 Brand	92	C500	1,2,3,4,6	42.1	20.5	8.8	97	82.9	19.8	38.5	55.5	8.0	37.3	3391	29401	39.3	21.6	8.6	100	83.0	20.2	37.7	55.3	8.4	37.9	3408	28592	
NK Brand N35T-3110	95	C500	1,2,4,6	39.7	22.5	8.9	100	83.1	18.9	38.5	56.0	7.7	37.5	3414	30225	38.9	21.9	8.6	100	83.1	18.8	37.6	55.3	8.2	39.4	3415	29075	
NK Brand N45P-3011A	101	C500	1,2,3,4,6	35.4	22.0	7.8	95	83.9	19.5	39.1	58.6	8.2	35.9	3435	26680	34.5	23.2	8.1	97	83.0	20.3	39.9	57.3	8.7	35.6	3384	27040	
NuTech 5N-803™	101	C500	1,2,3,4	35.4	26.2	9.4**	92	83.8	20.1	40.4	59.9	8.2	34.1	3430	31744	34.3	26.3	9.2*	98	83.3	20.4	40.1	58.3	8.9	34.0	3393	30518	
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	35.1	23.8	8.4	98	82.9	20.5	40.1	57.1	8.4	35.0	3362	28579	33.6	25.8	8.8*	99	82.8	20.3	39.1	55.9	9.1	34.0	3329	29059	
PIONEER P0238XR	102	C250	1,2,3,4,6,7	32.8	22.9	7.5	98	87.1	18.6	39.3	67.0	9.4	34.5	3624	27300	30.9	24.3	7.7	99	86.5	19.8	40.0	66.2	10.1	33.0	3574	27327	
PIONEER P9789AMXT	95	C250	1,2,3,4,6	38.1	21.2	8.1	91	83.9	19.5	38.5	58.0	8.3	38.2	3448	27568	35.8	22.0	8.0	90	82.9	21.9	39.8	56.9	8.7	35.7	3363	26118	
WOLF RIVER VALLEY 3396FLRR	95	C250	1,8	35.7	23.9	8.7	94	81.4	22.4	43.4	57.1	8.7	30.6	3273	28781	33.8	24.3	8.4	96	81.3	22.6	43.0	56.6	9.8	30.0	3255	27066	
AVERAGE				36.8	23.2	8.5	96.1	83.9	19.3	38.9	58.5	8.2	36.6	3448	29154	35.3	24.3	8.6	98.1	83.7	19.7	38.6	57.8	8.7	36.9	3431	28985	
HIGHEST				42.7	26.9	9.4	99.7	87.1	22.4	43.4	67.0	9.4	41.7	3624	32052	39.6	28.5	9.4	100.0	86.5	22.6	43.0	66.2	10.1	42.7	3574	32440	
LOWEST				30.4	19.8	7.5	91.0	81.4	17.2	35.1	55.3	7.7	30.6	3273	26680	30.0	21.6	7.7	90.4	81.3	17.3	34.5	53.4	8.0	30.0	3255	26118	
CV (%)				5.5	7.6	9.4	9.1	2.2	9.8	7.5	5.5	5.1	8.5	4	7	5.8	6.3	8.5	4.2	2.3	10.6	7.9	5.8	5.6	8.6	4	7	
LSD (5%)				1.1	1.0	0.4	5.0	1.1	1.1	1.1	1.7	1.9	0.3	1.8	74	1109	1.6	1.2	0.6	3.4	1.6	1.6	2.4	3.9	0.4	2.6	109	1498

2 Year Averages 2015 - 2014		Menominee - Late										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	MK/IT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/A
DAIRYLAND SEED HI DF-3197-7	97	C500	1,2,4,6																								
DAIRYLAND SEED HI DF-3290-9	90	C500	1,2,3,4																								
DAIRYLAND SEED HI DF-3702-9	102	C500	1,2,3,4																								
GOLDEN HARVEST G01P52-3011A	101	C500	1,2,3,4,6																								
GOLDEN HARVEST G92T43-3111	92	C500	1,2,3,4,6																								
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6																								
GREAT LAKES 5283STXRIB	102	P500	1,2,3,6																								
NK Brand N29T-3111 Brand	92	C500	1,2,3,4,6																								
NK Brand N35T-3110	95	C500	1,2,4,6																								
NK Brand N45P-3011A	101	C500	1,2,3,4,6																								
NuTech 5N-803™	101	C500	1,2,3,4																								
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6																								
PIONEER P0238XR	102	C250	1,2,3,4,6,7																								
PIONEER P9789AMXT	95	C250	1,2,3,4,6																								
WOLF RIVER VALLEY 3396FLRR	95	C250	1,8																								
AVERAGE																											
HIGHEST																											
LOWEST																											
CV (%)																											
LSD (5%)																											

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

TABLE 9.

IOSCO, MENOMINEE (LATE) & OSCEOLA COUNTY SILAGE TRIALS (105 Day and Earlier)

ZONE 4

2015		TRIAL AVERAGE										IOSCO																											
BRAND /HYBRID	TRT	RM	TRAIT	YIELD					% QUALITY					MILK 2006					YIELD					% QUALITY					MILK 2006										
				%DM	G/TIA	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/IA	%DM	G/TIA	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/IA	%DM	G/TIA	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/IT	MK/IA
DAIRYLAND SEED DS-9693	C500	93	1,2,3,4,6	35.8	19.4	7.1	85	83.8	18.3	36.4	55.6	9.2	35.8	3382	24673	32.6	18.6	6.1	97	85.1	16.0	33.2	55.1	10.9	35.9	3405	22256	32.6	18.6	6.1	97	85.1	16.0	33.2	55.1	10.9	35.9	3405	22256
DAIRYLAND SEED HI DF-3099-9	C500	99	1,2,3,4,6	30.4	26.3	8.1*	91	82.6	18.5	38.1	54.4	9.3	34.7	3352	27038	27.8	24.9	7.0	97	82.7	19.0	37.6	53.9	11.0	34.7	3376	23649	27.8	24.9	7.0	97	82.7	19.0	37.6	53.9	11.0	34.7	3376	23649
DAIRYLAND SEED HI DF-3188-6	C500	88	1	42.0	16.3	6.8	98	85.8	16.1	33.6	57.8	8.4	42.1	3597	23997	37.2	16.0	5.9	98	86.4	16.1	33.0	58.8	9.3	41.4	3634	22178	37.2	16.0	5.9	98	86.4	16.1	33.0	58.8	9.3	41.4	3634	22178
DAIRYLAND SEED HI DF-3197-7	C500	97	1,2,4,6	35.5	21.5	7.7	94	84.8	18.3	36.6	58.6	8.7	39.3	3512	26295	32.3	21.0	6.8	99	85.8	17.6	34.5	58.9	10.3	40.6	3587	23070	32.3	21.0	6.8	99	85.8	17.6	34.5	58.9	10.3	40.6	3587	23070
DAIRYLAND SEED HI DF-3290-9	C500	90	1,2,3,4	38.8	21.3	8.3*	97	85.4	15.3	32.0	54.6	8.0	44.3	3583	29506	33.3	21.4	7.2	99	86.4	14.6	30.4	55.1	8.7	44.7	3647	26236	33.3	21.4	7.2	99	86.4	14.6	30.4	55.1	8.7	44.7	3647	26236
DAIRYLAND SEED HI DF-3700SSX	C500	100	1,2,3,4,6	32.3	24.2	7.9	97	84.5	17.2	35.8	56.8	8.6	37.0	3476	27702	28.8	23.7	6.8	99	85.0	17.0	35.8	58.0	10.7	35.4	3525	23080	28.8	23.7	6.8	99	85.0	17.0	35.8	58.0	10.7	35.4	3525	23080
DAIRYLAND SEED HI DF-3702-9	C500	102	1,2,3,4	27.5	25.4	7.0	89	84.0	19.3	38.6	58.6	9.2	34.4	3444	25081	25.9	23.4	6.1	96	84.9	18.9	36.8	58.9	10.9	36.2	3510	22189	25.9	23.4	6.1	96	84.9	18.9	36.8	58.9	10.9	36.2	3510	22189
DYNAGRO D37SS60	P500	97	1,2,3,4,6	34.2	20.5	7.0	79	85.2	16.6	34.8	57.5	8.8	40.3	3549	28212	30.1	20.8	6.3	100	86.1	16.2	34.0	59.0	9.9	39.9	3607	24366	30.1	20.8	6.3	100	86.1	16.2	34.0	59.0	9.9	39.9	3607	24366
GOLDEN HARVEST G01P52-3011A	C500	101	1,2,3,4,A	34.3	22.5	7.6	96	84.0	17.6	35.6	54.9	8.6	38.5	3470	27408	32.9	21.5	6.9	98	84.6	17.4	34.9	55.9	9.9	38.4	3513	24321	32.9	21.5	6.9	98	84.6	17.4	34.9	55.9	9.9	38.4	3513	24321
GOLDEN HARVEST G92T43-3111	C500	92	1,2,3,4,6	40.8	18.9	7.5	100	84.7	16.8	34.8	56.3	8.4	41.1	3523	26693	32.0	20.3	6.4	100	86.8	15.3	32.8	59.6	9.6	40.8	3658	23396	32.0	20.3	6.4	100	86.8	15.3	32.8	59.6	9.6	40.8	3658	23396
GOLDEN HARVEST G95D32-3110	C500	95	1,2,4,6	33.1	24.0	7.6	100	83.2	17.2	34.7	51.8	8.1	37.1	3329	25966	31.6	21.2	6.0	100	85.5	15.2	31.5	53.7	9.2	38.1	3428	20512	31.6	21.2	6.0	100	85.5	15.2	31.5	53.7	9.2	38.1	3428	20512
GREAT LAKES 4548STXRIB	P500	95	1,2,3,6	34.3	23.0	7.8	97	84.9	16.9	35.0	56.9	8.1	36.4	3434	26460	32.4	21.6	7.0	99	85.8	16.1	33.6	57.9	9.1	36.4	3475	23727	32.4	21.6	7.0	99	85.8	16.1	33.6	57.9	9.1	36.4	3475	23727
GREAT LAKES 4879STXRIB	P500	98	1,2,3,6	33.5	24.3	8.2*	95	84.8	17.6	35.8	57.6	8.2	38.2	3519	28609	31.2	23.3	7.3	99	86.2	16.7	33.5	58.8	9.2	38.9	3621	26342	31.2	23.3	7.3	99	86.2	16.7	33.5	58.8	9.2	38.9	3621	26342
GREAT LAKES 5285STXRIB	P500	102	1,2,3,6	32.8	26.1	8.4*	98	85.4	16.5	34.5	57.6	8.3	39.1	3563	29841	30.2	26.0	7.7*	99	86.1	16.3	34.1	59.2	9.4	38.1	3611	27629	30.2	26.0	7.7*	99	86.1	16.3	34.1	59.2	9.4	38.1	3611	27629
MASTERS CHOICE MCT-4881	C250	98	1	32.5	24.4	7.8	98	83.7	17.8	36.6	55.4	8.4	37.4	3442	26875	28.3	23.7	6.5	97	84.7	17.1	34.2	55.0	10.2	39.1	3519	22889	28.3	23.7	6.5	97	84.7	17.1	34.2	55.0	10.2	39.1	3519	22889
MASTERS CHOICE MCT-527GT	C250	105	1	28.9	25.0	7.3	94	83.3	19.7	38.8	57.0	9.1	32.5	3353	23857	27.6	22.9	6.4	98	84.3	18.5	36.0	56.6	11.1	32.8	3383	20341	27.6	22.9	6.4	98	84.3	18.5	36.0	56.6	11.1	32.8	3383	20341
NK Brand N29T-3111 Brand	C500	92	1,2,3,4,6	39.9	19.9	8.1*	94	83.7	18.2	36.6	55.4	8.3	37.3	3431	28542	32.4	20.7	6.7	100	84.9	17.7	35.2	57.1	9.3	38.7	3531	25274	32.4	20.7	6.7	100	84.9	17.7	35.2	57.1	9.3	38.7	3531	25274
NK Brand N35T-3110	C500	95	1,2,4,6	37.9	21.3	8.0	100	84.5	16.7	34.1	54.7	8.1	40.5	3518	27851	34.4	18.7	6.4	100	85.8	16.1	32.6	56.2	9.5	41.4	3600	23085	34.4	18.7	6.4	100	85.8	16.1	32.6	56.2	9.5	41.4	3600	23085
NK Brand M45P-3011A	C500	101	1,2,3,4,A	33.7	20.7	7.0	92	84.5	16.8	35.7	56.7	8.9	39.6	3503	24410	31.7	18.4	5.7	97	84.5	16.9	35.2	55.8	10.6	39.0	3500	20091	31.7	18.4	5.7	97	84.5	16.9	35.2	55.8	10.6	39.0	3500	20091
NuTech 5N-195™	P500	95	1,2,3,4	36.6	20.4	7.5	96	85.4	16.9	35.7	59.1	8.7	38.9	3555	27432	30.8	20.9	6.4	94	86.2	16.5	33.6	58.8	10.1	39.4	3616	23214	30.8	20.9	6.4	94	86.2	16.5	33.6	58.8	10.1	39.4	3616	23214
NuTech 5N-406™	P500	105	1,2,3,4	29.8	28.5	8.4*	87	84.1	18.9	36.9	57.2	8.2	33.2	3352	28818	29.9	27.3	8.2**	98	86.8	16.8	33.9	61.1	9.9	34.3	3550	29154	29.9	27.3	8.2**	98	86.8	16.8	33.9	61.1	9.9	34.3	3550	29154
NuTech 5N-803™	C500	101	1,2,3,4	34.0	26.0	8.8**	89	84.8	18.1	36.7	58.5	9.1	36.8	3497	30267	30.0	23.0	6.9	99	85.0	18.1	35.6	57.9	11.1	37.0	3526	23718	30.0	23.0	6.9	99	85.0	18.1	35.6	57.9	11.1	37.0	3526	23718
NuTech/G2 GENETICS 5F-198™	P500	98	1,2,4,6	35.4	19.5	7.1	95	84.3	17.5	36.1	56.6	8.7	40.0	3486	25248	30.9	17.7	5.5	98	85.1	17.0	34.9	57.2	10.5	40.6	3538	20243	30.9	17.7	5.5	98	85.1	17.0	34.9	57.2	10.5	40.6	3538	20243
NuTech/G2 GENETICS 5H-502™	P500	102	1,2,4,6	32.7	22.2	7.4	97	84.0	17.7	35.5	54.9	9.1	36.6	3420	26176	29.6	20.4	6.1	99	84.4	17.3	34.5	54.6	10.8	33.8	3396	20724	29.6	20.4	6.1	99	84.4	17.3	34.5	54.6	10.8	33.8	3396	20724
PIONEER P0238XR	C250	102	1,2,3,4,6,7	30.6	21.7	6.7	96	87.0	17.3	36.2	64.0	10.0	36.9	3635	24446	27.2	20.9	5.8	99	86.9	18.0	36.9	64.4	12.0	34.5	3619	21035	27.2	20.9	5.8	99	86.9	18.0	36.9	64.4	12.0	34.5	3619	21035
PIONEER P0242AMXT	C250	104	1,2,3,4,6	32.1	25.1	8.1*	99	84.7	17.8	35.5	56.9	7.9	38.5	3516	28260	30.4	24.1	7.3	97	85.4	16.4	33.5	56.3	9.0	39.4	3571	25940	30.4	24.1	7.3	97	85.4	16.4	33.5	56.3	9.0	39.4	3571	25940
PIONEER P0496AMX	C250	106	1,2,3,4,6,7	31.5	23.7	7.5	99	84.6	17.9	36.6	57.9	9.1	37.7	3494	26999	29.4	22.1	6.5	100	85.7	16.3	34.8	58.9	10.8	38.8	3575	24971	29.4	22.1	6.5	100	85.7	16.3	34.8	58.9	10.8	38.8	3575	24971
PIONEER P9789AMXT	C250	95	1,2,3,4,6	35.4	22.5	8.1*	99	85.0	18.1	34.8	56.8	8.6	40.5	3518	27937	30.9	20.3	6.3	98	84.6	20.2	34.8	55.9	10.0	37.1	3481	20787	30.9	20.3	6.3	98	84.6	20.2	34.8	55.9	10.0	37.1	3481	20787
WOLF RIVER VALLEY 3396FLRR	C250	95	1,8	33.4	22.4	7.5	90	83.8	18.8	37.9	57.3	9.9	34.6	3437	26767	28.5	20.2	5.7	94	84.4	18.5	36.9	57.5	12.4	33.1	3473	20700	28.5	20.2	5									

TABLE 10.

ALGER, DELTA & MENOMINEE (EARLY) COUNTY SILAGE TRIALS (102 Day and Earlier)

ZONE 5

2015		TRIAL AVERAGE										Alger															
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
GREAT LAKES 4250V/2RIB	92	P500	1,2	31.9	23.3	7.4 *	99	83.8	18.6	38.0	57.4	7.6	37.2	3454	25522	31.3	18.9	5.9 *	97	85.8	17.9	37.8	62.4	7.4	35.8	3597	21275
GREAT LAKES 4548S/1XRIB	95	P500	1,2,3,6	31.2	24.2	7.6 **	96	83.4	18.1	37.6	55.7	7.5	36.5	3335	25846	30.8	20.3	6.1 *	90	85.1	17.8	37.1	59.9	7.4	31.7	3279	19878
GREAT LAKES 4879S/1XRIB	98	P500	1,2,3,6	29.4	25.6	7.6 **	95	83.4	19.4	39.8	58.3	7.2	34.4	3396	25894	27.5	22.3	6.1 *	86	84.0	20.5	41.4	61.3	7.1	29.9	3405	21622
NuTech 5N-195™	95	P500	1,2,3,4	31.4	22.2	7.0	96	83.2	18.6	39.7	57.8	7.4	35.3	3373	23919	30.4	19.2	5.9 *	89	84.2	18.6	40.7	61.2	6.7	35.0	3486	20453
NuTech 5N-290™	90	P500	1,2,3,4	32.8	22.1	7.2 *	95	82.5	19.7	39.0	55.0	7.1	35.5	3301	23175	30.0	19.0	5.6 *	85	82.7	20.4	40.9	57.9	6.4	29.5	3196	16350
NuTech/G2 GENETICS 5F-196™	96	P500	1,2,4,6	32.7	21.1	6.9	74	83.4	18.7	38.6	57.1	7.3	38.0	3426	24672	32.2	13.5	4.3	41	84.9	17.3	37.1	59.4	7.4	36.8	3550	17057
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6	32.6	22.4	7.3 *	90	83.5	18.8	38.4	57.0	7.5	37.0	3411	24637	30.8	18.0	5.6 *	74	84.8	18.0	39.5	61.6	7.6	32.4	3465	19285
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	28.7	24.9	7.3 *	95	81.9	21.8	41.3	56.5	7.6	31.7	3268	23204	28.6	20.3	5.8 *	88	84.1	20.0	40.0	60.2	7.2	31.2	3407	19720
NuTech/G2 GENETICS 5X-894™	94	P500	1,2,3,4,6	33.1	19.9	6.7	87	83.6	17.7	37.3	56.0	7.7	37.6	3399	22477	32.9	14.8	4.9	65	85.4	16.6	36.6	59.8	7.5	38.3	3580	17683
PIONEER P0238XR	102	C250	1,2,3,4,6,7	26.7	24.4	6.5	97	86.3	19.6	40.3	65.9	8.4	31.1	3510	22992	24.9	20.4	5.1	95	87.2	19.5	40.7	68.7	7.7	28.8	3525	17905
PIONEER P9789AMXT	95	C250	1,2,3,4,6	31.6	24.2	7.6 **	96	82.8	20.0	40.3	57.2	7.5	35.4	3376	26864	30.6	20.4	6.2 **	89	83.7	21.0	42.4	61.5	6.9	31.9	3445	21472
AVERAGE				31.1	23.1	7.2	92.7	83.4	19.2	39.1	57.6	7.5	35.4	3386	24473	30.0	18.8	5.6	81.8	84.7	18.9	39.5	61.2	7.2	32.8	3449	19337
HIGHEST				33.1	25.6	7.6	99.1	86.3	21.8	41.3	65.9	8.4	38.0	3510	26864	32.9	22.3	6.2	97.2	87.2	21.0	42.4	68.7	7.7	38.3	3597	21622
LOWEST				26.7	19.9	6.5	74.2	81.9	17.7	37.3	55.0	7.1	31.1	3268	22477	24.9	13.5	4.3	40.8	82.7	16.6	36.6	57.9	6.4	28.8	3196	16350
CV (%)				6.3	6.9	9.2	14.1	2.2	8.6	6.9	6.2	4.8	7.2	4	8	4.9	9.8	11.7	19.3	1.8	8.0	7.4	3.6	5.7	7.3	4	9
LSD (5%)				1.3	1.1	0.4	8.6	1.3	1.1	1.8	2.4	0.3	1.7	92	1377	1.8	2.2	0.8	19.0	1.9	1.8	3.5	3.9	0.5	2.9	159	2132

2 Year Averages 2015 - 2014		TRIAL AVERAGE										Alger															
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
GREAT LAKES 4879S/1XRIB	98	P500	1,2,3,6																								
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6																								
NuTech/G2 GENETICS 5X-894™	94	P500	1,2,3,4,6																								
PIONEER P0238XR	102	C250	1,2,3,4,6,7																								
PIONEER P9789AMXT	95	C250	1,2,3,4,6																								
AVERAGE																											
HIGHEST																											
LOWEST																											
CV (%)																											
LSD (5%)																											

2015				Delta										Menominee - 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	MKT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MKT	MK/A
GREAT LAKES 4250VT2RIB	92	P500	1,2	30.3	25.9	7.8 *	100	83.1	18.6	38.0	55.4	7.8	35.7	3409	26729	34.2	25.2	8.5 *	100	82.7	19.2	38.2	54.6	7.7	40.1	3357	28561
GREAT LAKES 4548STXRIB	95	P500	1,2,3,6	30.1	25.6	7.7 *	98	83.4	17.9	38.3	56.7	7.6	37.6	3426	26424	32.8	26.6	8.9 *	99	81.5	18.6	37.3	50.5	7.7	40.3	3299	31234
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6	28.5	27.1	7.7 *	100	84.0	18.2	38.9	58.7	7.3	36.0	3453	26633	32.3	27.4	8.8 *	100	82.3	19.6	39.2	54.8	7.1	37.4	3331	29428
NuTech 5N-195™	95	P500	1,2,3,4	31.3	23.1	7.2	99	84.2	17.5	37.4	57.8	7.5	34.0	3374	24440	32.5	24.3	7.9	100	81.4	19.8	40.9	54.4	8.1	37.1	3258	26865
NuTech 5N-290™	90	P500	1,2,3,4	30.3	26.8	8.1 *	100	83.3	19.9	39.2	57.4	7.3	35.6	3414	27709	38.0	20.5	7.7	100	81.4	18.9	37.0	49.8	7.7	41.4	3293	25466
NuTech/G2 GENETICS 5F-196™	96	P500	1,2,4,6	31.9	25.5	8.1 *	94	83.3	19.0	39.0	57.2	7.0	37.2	3416	29459	33.9	24.5	8.3 *	88	82.1	19.8	39.7	54.9	7.5	40.0	3312	27500
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6	33.2	22.8	7.7 *	97	84.0	17.8	36.3	55.8	7.3	38.9	3473	27477	33.8	26.2	8.5 *	97	81.7	20.7	39.2	53.5	7.7	39.7	3295	27150
NuTech/G2 GENETICS 5H-502™	102	P500	1,2,4,6	28.5	24.7	7.0	96	83.6	20.7	39.0	58.0	7.8	32.8	3362	22105	29.1	29.8	9.1 **	100	78.1	24.6	45.0	51.4	7.8	31.1	3036	27787
NuTech/G2 GENETICS 5X-894™	94	P500	1,2,3,4,6	30.7	24.2	7.7 *	97	82.1	19.1	38.5	53.6	7.7	33.0	3207	24571	35.8	20.7	7.4	98	83.3	17.4	36.8	54.7	7.8	41.6	3409	25175
PIONEER P0238XR	102	C250	1,2,3,4,6,7	26.6	26.7	7.1	97	86.8	19.2	39.6	66.5	8.4	30.6	3560	25325	28.7	26.0	7.5	99	84.8	20.3	40.6	62.6	9.0	34.0	3447	25745
PIONEER P9789AMXT	95	C250	1,2,3,4,6	30.5	26.9	8.2 **	100	82.0	19.9	39.8	54.8	7.8	35.0	3333	29164	33.8	25.2	8.5 *	100	82.7	19.1	38.9	55.4	7.8	39.4	3351	29955
AVERAGE				30.2	25.4	7.7	98.1	83.6	18.9	38.5	57.4	7.6	35.1	3402	26367	33.2	25.1	8.3	98.2	82.0	19.8	39.3	54.2	7.8	38.4	3308	27715
HIGHEST				33.2	27.1	8.2	100.0	86.8	20.7	39.8	66.5	8.4	38.9	3560	29459	38.0	29.8	9.1	100.0	84.8	24.6	45.0	62.6	9.0	41.6	3447	31234
LOWEST				26.6	22.8	7.0	94.1	82.0	17.5	36.3	53.6	7.0	30.6	3207	22105	28.7	20.5	7.4	87.9	78.1	17.4	36.8	49.8	7.1	31.1	3036	25175
CV (%)				6.3	4.7	8.4	3.6	2.3	7.9	6.7	6.8	3.9	6.3	4	9	7.1	6.6	8.1	3.2	2.5	9.5	6.5	7.7	4.6	8.0	4	9
LSD (5%)				2.3	1.4	0.8	4.2	2.3	1.8	3.1	6.8	0.4	2.6	163	2743	2.8	2.0	0.8	3.7	2.5	2.3	3.1	7.3	0.4	3.7	164	2849

2 Year Averages 2015 - 2014				Delta										Menominee - 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	MKT	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFFD	CP	STR	MKT	MK/A
GREAT LAKES 4879STXRIB	98	P500	1,2,3,6	26.7	24.5	6.6 *	99	80.0	24.7	49.4	59.3	8.7	21.7	3057	20945												
NuTech/G2 GENETICS 5F-198™	98	P500	1,2,4,6	31.1	21.9	6.9 **	99	79.9	24.3	46.3	56.5	8.1	27.1	3155	22367												
NuTech/G2 GENETICS 5X-894™	94	P500	1,2,3,4,6	29.6	22.0	6.6 *	97	79.3	24.1	46.5	55.2	8.7	26.3	3046	20757												
PIONEER P0238XR	102	C250	1,2,3,4,6,7	24.8	23.7	5.9	98	84.2	24.1	47.6	66.7	9.5	18.6	3108	18970												
PIONEER P9789AMXT	95	C250	1,2,3,4,6	29.2	22.4	6.6 *	90	78.2	25.7	48.5	55.1	9.1	25.1	3038	20988												
AVERAGE				28.3	22.9	6.5	96.8	80.3	24.6	47.7	58.6	8.8	23.8	3081	20805												
HIGHEST				31.1	24.5	6.9	99.2	84.2	25.7	49.4	66.7	9.5	27.1	3155	22367												
LOWEST				24.8	21.9	5.9	90.3	78.2	24.1	46.3	55.1	8.1	18.6	3038	18970												
CV (%)				5.6	5.0	8.0	3.3	2.6	8.5	6.6	5.4	6.0	8.2	4	8												
LSD (5%)				1.4	1.0	0.5	2.7	1.8	1.6	2.4	3.7	0.4	1.9	108	1515												

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

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THANK YOU TO OUR FARM COOPERATORS:

ZONE 1

Baker-Ladd Farms, Blaine Baker, Clayton
George Brossman, Vandalia
Kyle Huff, Coldwater
OSU NW Experiment Station, Richard Minyo
Hoytville, Ohio
Mathew Talladay, Milan

ZONE 2

Fred Gross Farms -
Peggy Gross & Dick Birchmeier, New Lothrop
Jorgensens Farm Elevator
Jerry Jorgensen & Mike Turner, Williamston
Eadie Farms
Arden Eadie, Conklin
MSU Agronomy Farm, Brian Graff, East Lansing
Jim & John Schipper, Martin

ZONE 3

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Sacket Farms, Larry Sackett, Stanton
Wil-le Farms, Ron & Ed McCrea, Bad Axe

ZONE 4/5

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