2018 MICHIGAN CORN HYBRIDS COMPARED

EXTENSION BULLETIN E-431

MICHIGAN STATE UNIVERSITY | College of Agriculture and Natural Resources

RESEARCH CONDUCTED BY MICHIGAN STATE UNIVERSITY
Results of the 2018 Growing Season

COMPANY INDEX

BRAND	CONTACT
AGRIGOLD	AgriGold Hybrids 5381 Akin Road St. Francisville, IL 62460 www.agrigold.com
AgVenture	AgVenture, Incorporated 7300 NW 62nd Avenue P.O. Box 7034 Johnston, IL 50131 www.agventure.com
AMP	Mission Seed Solutions 1880 Fall River Drive Loveland, CO 80538 www.missionseed.com
BECK	Beck's Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com
BLUE RIVER	Blue River Hybrids 2326 230th Street Ames, IA 50014 www.blueriverorgseed.com
BRODBECK	Brodbeck Seeds 15 Ringel Avenue Wabash, IN 46992 www.brodbeckseed.com
CHANNEL	Monsanto Company 800 N. Lindbergh Boulevard St. Louis, MO 63167 www.channel.com
CROPLAN	Croplan Genetics P.O. Box 64281, MS 5735 St Paul, MN 55164 www.croplan.com
DAIRYLAND	Dairyland Seed P.O. Box 958 West Bend, WI 53095 www.dairylandseed.com
DYNA-GRO	Dyna-Gro Seed 4648 S. Garfield Road Auburn, MI 48611 www.dyna-groseed.com
FS InVision	Growmark Incorporated 1701 Towands Ave. Bloomington, IL 61701 www.growmark.com
GOLDEN HARVEST	Syngenta Seed 11055 Wayzata Boulevard Minnetonka, MN 55440 www.syngenta.com
KingFisher	Byron Seeds 775 N 350 E Rockville, IN 47172 www.syngenta.com
LEGACY SEEDS	Legacy Seeds, Incorporated P.O. Box 68 - 290 Depot St. Scandinavia, WI 54799 www.legacyseeds.com
LEGEND	Legend Seeds P.O. Box 241 DeSmet, SD 57231 www.legendseeds.com
LG SEEDS	LG Seeds 9915 W M21 Ovid, MI 48866 www.lgseeds.com
LOCAL SEED	Local Seed Company 802 Rozelle Street Memphis, TN 38104 www.localseed.com
M & W SEEDS	M & W Seeds Incorporated 8443 Wilcox Road Eaton Rapids, MI 48827 www.mwseeds.com
MASTERS CHOICE	Masters Choice, Incorporated 3010 State Route 146 E. Anna, IL 62906 www.seedcorn.com
NK Brand	Syngenta Seeds, Incorporated 11055 Wayzata Boulevard Minnetonka, MN 55440 www.syngenta.com
RENK	Renk Seed Company 6809 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
RUPP	Rupp Seeds, Incorporated 17919 Co. Road B Wauseon, OH 43567 www.ruppseeds.com
SEED CONSULTANTS	Seed Consultants, Incorporated 648 Miami Trace Road SW Washington C. H., OH 43160 www.seedconsultants.com
SEEDWAY	Seedway LLC 275 North Eighth Street Mifflinburg, PA 17844 www.seedway.com
SPECIALTY	Specialty Hybrids 306 N Main Street Monticello, IN 47960 www.specialtyhybrids.com
SUN PRAIRIE	Masters Choice, Incorporated 3010 State Route 146 E. Anna, IL 62906 www.seedcorn.com
VIKING	Albert Lea Seeds 1414 West Main Street P.O. Box 127 Albert Lea, MN 56007 www.seedhouse@alseed.com
WELLMAN	Wellman Seeds, Incorporated 23778 Delphos Jennings Road Delphos, OH 45833 www.wellmanseeds.com
WOLF RIVER VALLEY	Wolf River Valley Seeds 914 3rd Avenue Antigo, WI 54409 www.wolfrivervalleyseeds.com
WYCKOFF	Wyckoff Hybrids 594 E 400 N Valparaiso, IN 46383 www.wyckoffhybrids.com

2018
MICHIGAN CORN PERFORMANCE TRIALS

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Introduction

The Michigan State University (MSU) Department of Plant, Soil, and Microbial Sciences conducts Michigan Corn Performance Trials (MCPT) each year in cooperation with Michigan State University AgBio Research, The Ohio State University, 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 2018 trials (pg. 26 and 31 respectively). Twelve grain and nine silage locations were planted. A total of 325 hybrids from 32 brand names make up the 514 entries; that translates into 6,168 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 companies'. Treatment and trait codes are listed in the tables on page 19.

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.varietytrials.msu.edu

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 table B (pg. 25) for the grain trials and table C (pg. 30) for the silage trials. Fertilizer amounts are shown as total pounds per acre of nitrogen, P_2O_5, and K_2O applied during the season.

Season in Summary: 2018

Entry forms for participating companies' were due March 15th; by the end of March we began receiving the hybrids 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. 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.

We upgraded our planting potential immensely this year with a new planting system. We purchased a 4 row Almaco Seed Pro 360 vacuum planter equipped with Precision metering units, Kinze planting units, and an Ag Leader 6500 Global Positioning System (GPS). We began the season using the Continuous Operating Reference Station (CORS) system but due to unreliable field positioning we switched to the Real-Time Kinematic (RTK) system. The planter was powered with a leased John Deere 6110R tractor.

Planting commenced in Ingham County on May 8th and ended in Ottawa County on June 7th.

The changes we had with trial locations this year was that the Ottawa County silage trial changed cooperators and moved from Conklin to Marne. Also, the Wexford County trial did not change cooperators but did move from Wexford to Osceola county.

Weed control was applied at all trial locations as needed. Fertilizer applications were consistent with rates that were necessary based on soil type, soil samples, and cooperator recommendations for their field.

Stand counts at all trials were conducted around the V5 or V6 stages. Due to the new precision planter, plots were counted but not thinned.

We began harvesting silage trials on September 5th in Wood County and finished on October 9th with the Ottawa County silage trial. The Lenawee County early trial was dropped due to wet field conditions causing poor quality stands. The Presque Isle County trial was dropped due to drought conditions causing poor plant development.

Grain harvest began October 18th at the Ingham County trial and ended at the Saginaw County trial on November 14th. Washtenaw County was not planted in the spring due to 9.5 inches of rain in May and June. Ingham County late trial was dropped due to experiencing extended rain events affecting uniformity of stand. Presque Isle was

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2018
GROWING SEASON WEATHER SUMMARY

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Despite a cool start, the 2018 growing season was much warmer than normal, with a May through September statewide average of 65.6°F (3.7°F above normal) which was the second highest mean temperature on record and the warmest since 1921. At some northern locations in the state, it was the warmest growing season on record. The season began with a major reversal in temperatures with the third coldest April on record followed by the 3rd warmest May.

Statewide mean precipitation totaled 17.80", which was 1.05" above normal and just within the top 20% of all growing season precipitation totals since 1895. However, totals were highly variable statewide, ranging from below normal across some northern and eastern sections to much above normal across many western and southern sections.

The timing of the precipitation was also a major factor in many areas. Crops in some sections of the state were hurt by extended dryness and drought during the early and middle parts of the summer. In contrast, heavy late season rainfall improved crop yield prospects but also hindered subsequent fall harvest activities.

With a La Nina event in progress in the Equatorial Pacific region, the preceding winter season of 2017/2018 (December 2017 – February 2018) was slightly milder and wetter than normal. In terms of statewide averages, mean temperature for Michigan for the 3-month period was 0.6°F above normal while total precipitation was 1.22" above normal. As is often the case, the averages cancel out some notable monthly or sub-monthly trends.

Mean precipitation departures from normal during December and January were slightly below normal (-0.12" and -0.09" respectively), while February 2018 was +1.42", which was the third wettest February on record. March and early April were generally cooler than normal, slowing early phenological development of most overwintering annual and perennial crops.

A strong late winter storm brought widespread heavy snow to northern sections of the state on the 3rd and 4th of April, disrupting travel and outdoor activities. In some areas, snowfall totals with the storm were the largest single event of the winter season. As of the beginning of April, long term soil moisture indices categorized all of the state as 'Unusually' to 'Very' Moist, reflecting at least in part abnormally wet conditions during the 2017 growing season and fall season.

A persistent upper air troughing pattern brought cooler and wetter than normal weather to most of Michigan and the Great Lakes region during much of April, effectively preventing outdoor activities and spring fieldwork. Mean temperatures for the month ranged from 5°F below normal across southeastern sections of the state to more than 10°F below normal across western Upper Michigan.

An intense, slow-moving storm passing through the region brought a range of adverse/extreme weather conditions to Michigan from the 14th-16th including heavy rain in far southern sections, heavy snow north (more than 2 feet in some areas), and a mix of sleet and freezing rain in between across central sections. Strong northeasterly winds with the system resulted in downed trees and many power outages across central and southern sections of the Lower Peninsula (more than 500,000 customers were without power on the 15th) and to lakeshore flooding along the shores of Lakes Huron and Erie.

Collectively, the system brought general 1.00-3.00" precipitation totals to the state. In southern sections of the state where the precipitation fell primarily in liquid form, soils were quickly resaturated, with standing water observed in many areas.

During early May, the development of a persistent upper air ridging pattern across the central USA led to a significant warm-up, drying soils, and to a burst of early crop growth and spring fieldwork across much of Michigan. That stretch of favorable weather ended during the second week of the month when a nearly stationary frontal boundary across the Ohio Valley resulted in almost daily rounds of showers and thunderstorms across much of Michigan.

Conditions were most challenging across southern Lower Michigan, where more than 6.00" of rain fell during the first half of the month. The passage of Tropical Depression Alberto through the Lower Peninsula on the 30th-31st of the month brought additional heavy rain and localized flooding which resulted in a prolonged stoppage of spring fieldwork activities.

The passage of the tropical system late in the month was preceded by a heatwave across much of the state with up to three days with maximum temperatures of 90ºF or higher, which is very unusual so early in the season. Following the 3rd coldest April on record statewide, mean temperatures for the month of May ranged from 4-7 ºF above normal, which was the 3rd warmest on record. The sudden and dramatic shift in temperatures during May led to a rapid burst of crop growth and development and an increase in insect and disease pressure.

Broad upper air ridging across central North America brought warm weather to the Great Lakes region during June, with highly varying rainfall totals across Michigan. In the western Upper Peninsula, a series of severe thunderstorms on the 17th brought 4.00" to more than 7.00" of rainfall in a 12 hour period, resulting in widespread flooding and catastrophic damage to roads, homes, businesses, and other infrastructure.

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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	65.0	58.2	6.8	69.1	67.3	1.8	72.1	71.3	0.8	72.0	69.3	2.7	65.4	61.6	3.8	68.7	65.5	3.2
		PPT	8.66	3.18	5.48	2.65	3.67	-1.02	2.61	3.13	-0.52	5.39	3.69	1.70	3.54	3.61	-0.07	22.85	17.28	5.57
		GDD	478	344	134	570	527	43	675	648	27	686	597	89	489	396	93	2898	2512	386
	LENAWEE & WASHTENAW (Hudson)	TEMP	63.8	58.2	5.6	69.4	68.0	1.4	73.5	72.3	1.2	71.5	70.3	1.2	65.5	62.7	2.8	68.7	66.3	2.4
		PPT	6.49	2.97	3.52	3.01	3.51	-0.50	1.71	3.00	-1.29	6.44	3.38	3.06	3.31	3.34	-0.03	20.96	16.20	4.76
		GDD	464	346	118	578	541	37	691	675	16	624	624	0	743	415	328	3100	2601	499
	WOOD (OH) (Bowling Green)	TEMP	66.0	60.0	6.0	71.4	70.1	1.3	74.4	73.2	1.2	74.3	71.0	3.3	68.8	64.3	4.5	71.0	67.7	3.3
		PPT	4.65	3.85	0.80	6.96	3.41	3.55	2.24	3.76	-1.52	4.38	3.81	0.57	2.46	2.86	-0.40	20.69	17.69	3.00
		GDD	470	371	99	640	595	45	739	691	48	749	641	108	565	454	111	3163	2752	411
Zone 2	ALLEGAN (Fennville)	TEMP	64.0	58.2	5.8	70.0	67.3	2.7	72.6	71.5	1.1	72.3	69.7	2.6	66.1	62.2	3.9	69.0	65.8	3.2
		PPT	5.97	3.43	2.54	3.74	3.74	0.00	2.07	3.43	-1.36	3.75	3.77	-0.02	2.59	4.01	-1.42	18.12	18.38	-0.26
		GDD	430	340	90	595	526	69	695	655	40	689	610	79	501	406	95	2910	2537	373
	INGHAM (MSU)	TEMP	64.7	58.2	6.5	68.7	67.3	1.4	73.2	71.3	1.9	73.0	69.3	3.7	65.3	61.6	3.7	69.0	65.5	3.4
		PPT	4.97	3.18	1.79	1.86	3.67	-1.81	1.03	3.13	-2.10	5.33	3.69	1.64	3.91	3.61	0.30	17.10	17.28	-0.18
		GDD	476	344	132	556	527	29	701	648	53	710	597	113	487	396	91	2930	2512	418
	SAGINAW (Saginaw)	TEMP	63.7	57.0	6.7	68.4	66.1	2.3	73.3	70.6	2.7	72.6	68.4	4.2	65.0	60.7	4.3	68.6	64.6	4.0
		PPT	3.85	2.83	1.02	1.92	3.21	-1.29	1.30	2.83	-1.53	8.02	3.38	4.64	1.81	3.81	-2.00	16.90	16.06	0.84
		GDD	456	317	139	549	495	54	712	627	85	699	573	126	479	373	106	2895	2385	510
Zone 3	HURON (Pigeon)	TEMP	60.6	57.0	3.6	65.9	66.1	-0.2	72.4	70.6	1.8	71.4	68.4	3.0	63.8	60.7	3.1	66.8	64.6	2.3
		PPT	2.47	2.83	-0.36	1.53	3.21	-1.68	0.62	2.83	-2.21	8.96	3.38	5.58	1.30	3.81	-2.51	14.88	16.06	-1.18
		GDD	406	317	89	473	495	-22	676	627	49	668	573	95	428	373	55	2651	2385	266
	MASON (Hart)	TEMP	61.2	56.1	5.1	66.9	65.0	1.9	71.4	69.7	1.7	71.8	68.0	3.8	63.1	60.2	2.9	66.9	63.8	3.1
		PPT	4.92	2.98	1.94	1.89	3.26	-1.37	1.53	2.74	-1.21	7.69	4.03	3.66	4.45	3.59	0.86	20.48	16.60	3.88
		GDD	407	302	105	520	471	49	658	609	49	555	564	-9	434	362	72	2574	2308	266
	MONTCALM (Entrican)	TEMP	62.5	56.7	5.8	68.2	65.6	2.6	72.4	69.9	2.5	73.8	67.6	6.2	66.7	59.6	7.1	68.7	63.9	4.8
		PPT	3.54	2.95	0.59	4.55	3.30	1.25	2.06	2.74	-0.68	2.26	3.85	-1.59	3.67	3.71	-0.04	16.08	16.55	-0.47
		GDD	440	323	117	549	488	61	689	610	79	733	555	178	516	357	159	2927	2333	594
Zone 4	IOSCO (Standish)	TEMP	60.1	57.0	3.1	64.8	66.1	-1.3	71.2	70.6	0.6	69.7	68.4	1.3	63.1	60.7	2.4	65.8	64.6	1.2
		PPT	4.06	2.83	1.23	1.52	3.21	-1.69	2.51	2.83	-0.32	3.69	3.38	0.31	2.52	3.81	-1.29	14.30	16.06	-1.76
		GDD	379	317	62	454	495	-41	651	627	24	618	573	45	422	373	49	2524	2385	139
	OSCEOLA (Cadillac)	TEMP	60.7	53.4	7.3	64.1	63.3	0.8	69.6	67.5	2.1	69.3	65.4	3.9	61.9	57.5	4.4	65.1	61.4	3.7
		PPT	4.51	3.28	1.23	1.59	3.54	-1.95	3.23	3.21	0.02	3.27	3.71	-0.44	2.39	3.82	-1.43	14.99	17.56	-2.57
		GDD	411	260.7	150.3	442	429.2	12.8	608	537.4	70.6	605	496.2	108.8	401	311.8	89.2	2467	2035.3	431.7
	PRESQUE ISLE (Alpena)	TEMP	58.0	52.7	5.3	62.6	62.4	0.2	71.3	67.6	3.7	70.4	65.6	4.8	61.9	57.9	4.0	64.8	61.2	3.6
		PPT	2.95	2.66	0.29	0.87	2.62	-1.8	2.18	3.03	-0.9	3.09	3.23	-0.1	3.88	2.92	1.0	12.97	14.46	-1.49
		GDD	368	153	215	421	380	41.0	644	553	91.0	638	492	146.0	405	261	144.0	2476	1839	637

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 2018
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)

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In contrast, prolonged drier than normal weather prevailed across most eastern sections of the state, leading to increasing levels of moisture stress, especially on well- drained soils. Impacts of the dryness were intensified by much above normal temperatures and potential evapotranspiration rates during the last two weeks of June and the first week of July.

Precipitation totals during June ranged from more than 10.00" across western sections of Upper Michigan to 6.00" across portions of southwestern Lower Michigan to less than 1.00" across sections of the northern Lower Peninsula and Thumb regions.

Scattered rains helped ease dryness across portions of Michigan during late July and early August, but totals and areal coverage were limited. The effects of prolonged dryness led to moisture stress for most crops, including much of the state's corn crop which moved through the vulnerable silking/ pollination stage.

At its peak in mid-August, D1 or moderate or worse drought conditions as classified by the National Drought Mitigation Center covered three large sections of the Lower Peninsula: the northern Tip of the Mitt area, the south central Lower Peninsula through east central sections and much of the Thumb, and west central sections of Lower Michigan. D2 or severe drought conditions in the northern Lower Peninsula were the most severe reported in Michigan since the drought of 2012.

One characteristic of rainfall during the drought was unusually high spatial variability, with heavy rainfall totals observed in some spots while many other nearby surrounding areas remained dry.

The development of a very active storm track across the US/Canada border led to significant rainfall (in some areas more than 6.00") across most areas of the state during the second half of August and first week of September, which greatly reduced or ended abnormally drought conditions in many areas. The active weather pattern also resulted in at least 9 confirmed tornado touchdowns and a variety of high wind damage across the state between the 28th of August and 3rd of September.

Rainfall totals for the month of August varied widely across the state, ranging from more than 10.00" (and 200-300% of normal totals) at a few spots in the central Lower Peninsula to less than 2.00" across far southeastern sections of the state. Mean temperatures for August were generally warmer than normal statewide, ranging from close to normal across the western Upper Peninsula to more than 4ºF above normal across sections of Lower and eastern Upper Michigan.

A strengthening upper air ridge across the Midwest brought warm, dry weather to most of Michigan during the middle of September, allowing maturing crops and soils to dry/drain following the wetter than normal weather during late August and early September. While many crops benefited from the late season rainfall, the combination of persistent rain and high humidity resulted in late season disease pressure for some crops.

During late September, a highly amplified western troughing/eastern ridging upper air pattern developed across North America resulting in more heavy rainfall and to extended fall fieldwork delays that extended through early October. Jet stream flow across North America changed dramatically during mid-October, with the transition of the highly amplified western troughing/eastern ridging pattern to a western ridging/eastern troughing pattern and to much colder temperatures across Michigan.

The rapid onset of colder weather resulted in some of the first accumulating snowfall of the season across northern sections of the state. The weather change also led to the first freezing temperatures of the season in many areas of the state on the 16th and 18th which effectively ended the growing season. Overall, the cold, wet weather conditions during late September and October were unfavorable for most outdoor harvest and fieldwork activities and slowed grain drydown rates of unharvested crops.

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dropped due to drought conditions throughout the summer causing poor plant development.

As the weather chart indicates, there was a high of 22.85 inches of rainfall at some of our southern locations and a low of 12.97 inches of rainfall at our northern location for the season. That's equates to a 9.88 inch difference between our southern counties and our northern location.

Table A (pg. 5) presents 2018 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 trial 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.

2018
GRAIN PERFORMANCE TRIALS

Introduction

The grain index (pg. 26) contains a list of all hybrids planted in the 2018 grain trials.

County results are reported in the following tables:

Tables 1E/1L Zone 1 - Branch, Cass, and Washtenaw (Washtenaw County dropped)

Tables 2E/2L Zone 2 – Allegan, Ingham, and Saginaw (Ingham County late trial dropped)

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

Tables 4E/4L Zone 4 – Iosco, Osceola, and Presque Isle (Presque Isle County dropped)

Tables 5E/5L Conventional Trial – Ingham, Saginaw, (Zone 2) and Montcalm (Zone 3) (Ingham County Conventional dropped)

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

Methods

Three trial locations were planted in each of four maturity zones. These zones were based on available growing degree-day units (GDU) 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 all hybrids were tested in one group.

Planting was accomplished with an Almaco Seed Pro 360 vacuum planter equipped with Precision metering units, Kinze planting units and, an Ag Leader 6500 Global Positioning System. The plots were planted at the uniform length of 22 foot long with a 3 foot alleyway ,and were planted at 30-inch row spacing. Four-row plots were used at all grain locations. The two center rows were harvested for yield. Experimental design, data acquisition, analysis of variance, and data summarization were facilitated in part by AGROBASE Generation II™. 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, The Ohio State University' Ohio Agricultural Research and Development Center, and Michigan State University AgBio Research Stations. All hybrids in a location were managed uniformly with the same fertilizers, date of planting, and other management practices. In the field, hybrids were identified only by a plot number to assure unbiased comparisons. Trials in Branch, Cass, and Mason counties were irrigated.

Stand counts (%Std) were recorded in June. Average trial population plus the desired population rates are listed with other important agronomic information in Table B (pg. 25). Stalk lodging (%SL) measurements were recorded during harvest. All plants broken below the ear and/or leaning more than 45 degrees were counted. Moisture content (%H2O) and field weights were measured by a Harvest Master™ single plot high capacity Grain Gage™ HM800 System that is mounted on the Kincaid 8-XP plot combine. Grain moisture (Bu/A) is reported at the standard 15.5 percent. Data was recorded on a Panasonic FZ-G1 Toughpad using Harvest Master™ Software. Grain test weight (Twt) 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 (%H_20)
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)

2018 Grain Trial Locations

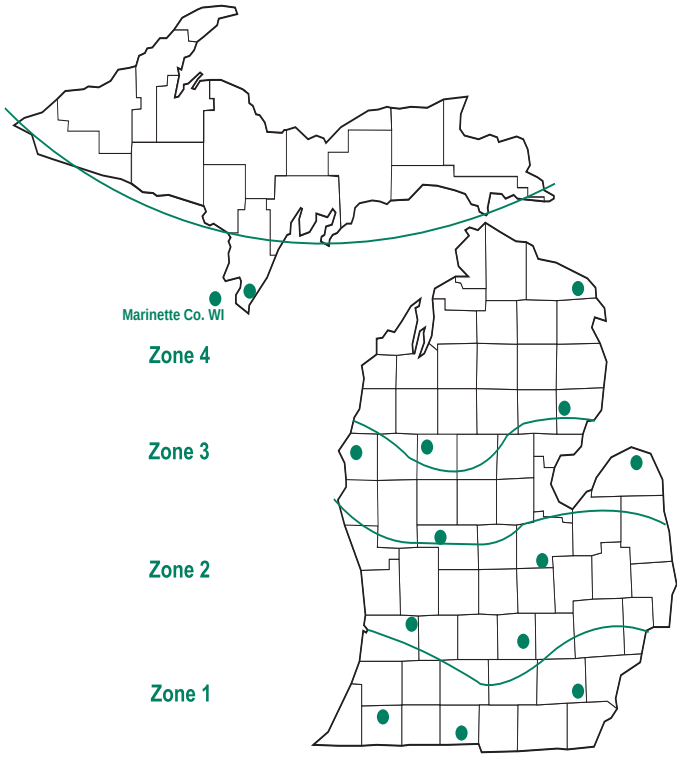


TABLE 1E. BRANCH, CASS & WASHTENAW COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier) ZONE 1

2018				Early - TRIAL AVERAGE					Branch - Early					Cass - Early					Washtenaw - Early				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A635-54VT2RIB	105	P500	1,2	18.3	220.1	54.5	0.0	96	19.3	201.4	52.9	0.0	93	17.3	238.8 *	56.0	0.0	99					
AGRIGOLD A637-55VT2PRO	107	P500	1,2	19.8	214.4	53.9	0.3	92	20.7	217.2	52.6	0.6	93	18.8	211.6	55.1	0.0	91					
CHANNEL 196-40 STXRIB	96	A500	1,2,3,4	16.8	188.5	54.2	0.6	96	17.2	193.3	52.5	0.6	98	16.3	183.6	55.9	0.6	93					
CHANNEL 197-68 STXRIB	97	A500	1,2,3,4	17.9	211.5	54.4	0.9	97	19.0	215.2	52.4	0.0	96	16.7	207.8	56.3	1.7	97					
CHANNEL 203-01 STXRIB	103	A500	1,2,3,4	19.3	220.7	53.1	1.0	94	20.7	220.0	51.7	1.9	93	17.8	221.3	54.5	0.0	95					
CHANNEL 207-27 STXRIB	107	A500	1,2,3,4	21.5	225.3	53.8	0.3	83	23.8	220.1	52.2	0.6	70	19.2	230.5 *	55.3	0.0	96					
DAIRYLAND SEED EXP-10411	104		1,2,4	19.5	224.7	54.2	0.3	97	21.2	233.8 *	52.9	0.6	96	17.7	215.6	55.5	0.0	97					
DAIRYLAND SEED RPM-4318AM	104		1,2,4	18.7	230.4 *	54.5	0.9	95	19.8	237.3 *	53.1	1.8	97	17.5	223.4	55.9	0.0	93					
DAIRYLAND SEED RPM-4329AM	104		1,2,4	20.2	225.8	52.6	0.8	95	22.0	223.1	51.6	1.5	96	18.3	228.4 *	53.5	0.0	94					
DAIRYLAND SEED RPM-562XRR	106		1,2,4	21.0	216.3	54.0	0.3	94	23.1	226.9	52.7	0.6	95	18.8	205.7	55.3	0.0	93					
DYNAGRO D47VC29	107	P500	1,2	18.9	222.2	54.5	0.0	95	21.0	219.8	52.7	0.0	95	16.8	224.6	56.2	0.0	95					
GOLDEN HARVEST G04S19-3010	104	C250	1,2,4	18.6	211.6	52.4	1.8	97	20.3	229.3 *	50.9	2.9	97	16.9	193.9	53.8	0.6	96					
GOLDEN HARVEST G06Q68-3220	106	C250	1,2,3,4,6	21.3	208.3	52.7	0.2	98	23.2	227.5 *	50.9	0.3	99	19.3	189.0	54.5	0.0	96					
GOLDEN HARVEST G07F23-3111	107	C250	1,2,3,4,6	20.7	236.1 *	53.2	0.8	95	22.7	225.9	51.8	1.5	96	18.7	246.3 *	54.6	0.0	94					
LEGACY SEEDS L-5418 SSX	105	A500	1,2,3,4	19.7	213.1	55.1	0.9	94	22.2	229.2 *	53.7	0.6	93	17.1	196.9	56.5	1.2	94					
LEGACY SEEDS L-5516 SSX	105	A500	1,2,3,4	18.6	223.6	55.6	0.2	95	20.3	216.6	53.4	0.3	96	16.8	230.5 *	57.7	0.0	93					
LG SEEDS LG5505VT2RIB	100	P500	1,2,3	17.1	213.6	56.1	0.3	98	18.5	209.4	54.4	0.6	99	15.7	217.8	57.7	0.0	97					
LG SEEDS LG5499VT2RIB	102	P500	1,2,3	17.9	209.4	54.6	0.5	94	18.9	222.5	53.2	0.9	95	16.8	196.3	56.0	0.0	93					
LG SEEDS LG5525VT2RIB	105	P500	1,2,3	18.9	216.4	54.8	1.3	97	20.0	209.5	53.0	0.9	97	17.8	223.2	56.6	1.6	96					
LG SEEDS LG57C28VT2PRO	107	P500	1,2,3	19.9	225.1	55.1	0.3	95	22.2	234.2 *	52.6	0.6	94	17.5	216.0	57.6	0.0	96					
LG SEEDS LG58C77VT2PRO	107	P500	1,2,3	19.8	225.7	53.6	0.3	93	21.2	217.9	52.8	0.3	94	18.3	233.4 *	54.4	0.3	92					
M&W SEEDS 45R69	103	P250	1,2	18.7	198.1	55.1	2.1	91	19.9	206.3	53.5	0.6	94	17.4	189.9	56.6	3.6	87					
M&W SEEDS 44R35	105	P250	1,2	18.6	228.7 *	54.9	0.3	97	20.2	225.5	53.0	0.6	96	17.0	231.8 *	56.8	0.0	97					
NK Brand NK0624-3220	106	C250	1,2,3,4,6	20.3	211.8	52.5	0.2	98	21.8	218.2	51.3	0.3	99	18.7	205.4	53.6	0.0	96					
RUPP XRD06-70	106	P250	1,2	16.9	229.8 *	55.0	0.0	94	18.1	214.1	53.4	0.0	95	15.7	245.5 *	56.6	0.0	92					
RUPP XRD07-72	107	P250	1,2	19.2	217.5	54.6	0.2	87	21.2	230.6 *	53.0	0.3	87	17.1	204.4	56.2	0.0	87					
SEED CONSULTANTS SCS 989YHR™	98	C250	1,2,4	17.6	203.2	56.7	1.8	96	18.1	191.3	55.1	3.6	97	17.1	215.0	58.3	0.0	95					
SEED CONSULTANTS SCS 1018YHR™	101	C250	1,2,4	18.1	207.9	54.6	2.2	96	19.1	199.4	53.3	4.4	97	17.1	216.3	55.8	0.0	94					
SEED CONSULTANTS SCS 1037YHR™	103	C250	1,2,4	18.8	207.9	54.8	0.2	92	19.7	220.2	53.4	0.0	91	17.8	195.5	56.2	0.3	93					
SEED CONSULTANTS SCS 10HR43™	104	C250	1,2,4	19.9	238.2 **	54.6	0.2	98	21.7	228.0 *	52.9	0.3	97	18.0	248.3 **	56.2	0.0	99					
SEED CONSULTANTS SC 10AGT59™	105	C250	1,2,4	19.3	217.3	53.7	0.3	95	20.3	217.1	52.4	0.6	96	18.3	217.4	55.0	0.0	93					
SPECIALTY 32A323	102	P500	1,2,3,4	18.3	216.1	53.5	1.2	97	20.0	224.3	51.7	2.3	97	16.6	207.8	55.3	0.0	96					
SPECIALTY 32A886	102	P500	1,2,3,4	18.8	215.9	53.7	0.2	95	20.6	219.2	51.9	0.3	97	16.9	212.6	55.5	0.0	93					
SPECIALTY 34A007	104	P500	1,2,3,4	18.7	231.6 *	55.2	0.0	93	20.7	233.5 *	53.7	0.0	94	16.7	229.7 *	56.7	0.0	92					
SPECIALTY 37A808	107	P500	1,2,3,4	20.8	208.0	54.4	0.5	94	22.9	205.7	52.9	0.9	97	18.6	210.2	55.9	0.0	90					
WELLMAN W2801DP	101		1,2	17.1	201.9	55.4	0.2	95	17.9	190.1	53.4	0.3	98	16.2	213.6	57.4	0.0	91					
WELLMAN W2903DP	103		1,2	18.2	199.1	54.7	0.0	91	19.0	199.1	53.3	0.0	94	17.4	199.1	56.0	0.0	87					
WELLMAN W2705DP	105		1,2	18.7	217.7	56.0	0.0	90	20.5	221.8	53.6	0.0	92	16.9	213.5	58.3	0.0	87					
WELLMAN W2307DP	107		1,2	20.0	216.5	54.0	1.1	95	22.6	234.7 *	52.1	0.6	94	17.3	198.2	55.9	1.5	95					
WYCKOFF 2187 VT2P	97		1,2	17.3	212.4	54.7	0.6	95	17.9	198.9	53.2	1.2	94	16.7	225.9	56.1	0.0	95					
WYCKOFF 2212 VT2P	100		1,2	18.1	223.3	55.8	1.1	96	19.6	216.6	54.1	2.1	96	16.5	229.9 *	57.5	0.0	96					
WYCKOFF 2263 SS	101		1,2,3,4	18.1	203.6	54.8	0.0	95	20.0	217.5	53.6	0.0	96	16.1	189.7	56.0	0.0	93					
WYCKOFF 2313 VT2P	103		1,2,3,4	18.2	202.3	54.7	1.0	90	19.2	204.3	53.2	2.0	94	17.1	200.3	56.1	0.0	86					
WYCKOFF 2390 VT2P	103		1,2	17.4	219.8	54.6	0.0	95	18.1	211.1	52.6	0.0	97	16.6	228.5 *	56.5	0.0	92					
WYCKOFF 2399 SS	104		1,2,3,4	18.3	218.0	55.6	2.4	88	19.4	223.6	54.1	4.8	80	17.2	212.3	57.0	0.0	96					

WYCKOFF 2400 SS	105	1,2,3,4	16.6	227.5 *	55.0	0.0	96	17.6	212.0	53.2	0.0	97	15.6	243.0 *	56.7	0.0	95
WYCKOFF 2433 VT2P	105	1,2,3,4	18.8	217.7	55.2	0.5	96	19.8	220.8	54.0	0.9	97	17.7	214.6	56.3	0.0	95
WYCKOFF 2500 SS	106	1,2,3,4	19.1	234.2 *	55.4	0.6	95	20.8	240.0 *	53.6	0.0	92	17.3	228.3 *	57.1	1.1	98
WYCKOFF 2585 SS	107	1,2	22.3	224.8	53.1	0.0	97	24.6	241.6 **	52.2	0.0	95	20.0	208.0	53.9	0.0	98
AVERAGE			18.9	217.0	54.5	0.6	94	20.4	218.3	52.9	0.9	95	17.4	215.7	56.0	0.1	94
HIGHEST			22.3	238.2	56.7	2.4	98	24.6	241.6	55.1	4.8	99	20.0	248.3	58.3	3.6	99
LOWEST			16.6	188.5	52.4	0.0	83	17.2	190.1	50.9	0.0	70	15.6	183.6	53.5	0.0	86
CV (%)			3.5	6.9	1.1	436.3	4.0	3.8	5.6	0.8	231.4	10.0	3.2	8.0	1.3	3774.0	4.0
LSD (5%)			0.6	12.3	0.5	1.7	3.0	0.9	14.4	0.5	2.4	11.0	0.6	20.3	0.9	2.4	5.0

2 Year Averages 2018 - 2017				Early - TRIAL AVERAGE					Branch - Early					Cass - Early					Washtenaw - Early				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
CHANNEL 197-68 STXRIB	97	A500	1,2,3,4	18.1	229.9	54.0	0.5	98	19.5	222.2 *	52.7	0.0	98	16.6	237.5	55.2	1.0	98					
CHANNEL 203-01 STXRIB	103	A500	1,2,3,4	19.7	228.3	52.2	0.5	96	21.7	209.4	51.2	0.9	94	17.6	247.2 *	53.1	0.0	97					
CHANNEL 207-27 STXRIB	107	A500	1,2,3,4	22.1	234.4	52.8	0.2	92	24.3	211.6	51.8	0.3	85	19.8	257.1 *	53.7	0.0	98					
DAIRYLAND SEED RPM-4318AM	104		1,2,4	19.7	241.2 *	53.9	0.5	98	21.4	231.0 *	52.7	0.9	99	17.9	251.4 *	55.0	0.0	97					
DAIRYLAND SEED RPM-562XRR	106		1,2,4	21.0	231.3	53.4	0.2	96	23.0	225.6 *	52.1	0.3	96	19.0	237.0	54.7	0.0	95					
DYNAGRO D47VC29	107	P500	1,2	19.1	240.2 *	54.2	0.0	95	20.9	229.0 *	52.9	0.0	92	17.2	251.3 *	55.5	0.0	97					
GOLDEN HARVEST G07F23-3111	107	C250	1,2,3,4,6	21.3	237.0	52.5	0.4	97	23.6	223.0 *	51.3	0.7	98	19.0	251.0 *	53.7	0.0	96					
RUPP XRD06-70	106	P250	1,2	18.4	237.4 *	54.4	0.0	96	20.2	215.2	52.9	0.0	97	16.6	259.6 *	55.9	0.0	95					
RUPP XRD07-72	107	P250	1,2	19.3	230.5	54.4	0.4	91	21.2	225.6 *	53.3	0.2	91	17.3	235.3	55.4	0.6	91					
SEED CONSULTANTS SCS 1018YHR™	101	C250	1,2,4	18.2	222.1	54.5	1.6	97	18.9	206.6	53.7	2.5	98	17.4	237.6	55.3	0.6	95					
SEED CONSULTANTS SCS 1037YHR™	103	C250	1,2,4	18.8	218.5	54.6	0.3	94	19.9	215.0	53.1	0.0	93	17.6	222.0	56.0	0.5	94					
SEED CONSULTANTS SCS 10HR43™	104	C250	1,2,4	20.5	245.7 **	54.0	0.1	98	22.4	231.2 *	52.7	0.2	97	18.5	260.1 **	55.2	0.0	99					
SPECIALTY 32A323	102	P500	1,2,3,4	19.2	227.5	52.9	0.7	97	21.5	220.8	51.3	1.2	99	16.8	234.1	54.5	0.1	95					
SPECIALTY 32A886	102	P500	1,2,3,4	19.1	224.4	52.9	0.3	97	21.1	215.3	51.4	0.2	99	17.0	233.4	54.4	0.3	95					
SPECIALTY 34A007	104	P500	1,2,3,4	19.2	242.9 *	54.4	0.0	94	21.1	228.3 *	53.2	0.0	92	17.2	257.5 *	55.6	0.0	96					
WELLMAN W2705DP	105		1,2	19.0	223.2	55.3	0.0	91	20.8	214.4	53.6	0.0	93	17.1	231.9	57.0	0.0	89					
WYCKOFF 2187 VT2P	97		1,2	17.8	225.3	54.7	0.3	95	18.9	206.6	53.4	0.6	95	16.6	243.9	55.9	0.0	95					
WYCKOFF 2263 SS	101		1,2,3,4	18.7	214.5	54.8	0.1	94	21.1	210.3	53.2	0.2	95	16.3	218.6	56.3	0.0	93					
WYCKOFF 2390 VT2P	103		1,2	18.5	229.4	54.1	0.0	96	19.4	205.6	52.5	0.0	97	17.6	253.1 *	55.6	0.0	94					
WYCKOFF 2399 SS	104		1,2,3,4	19.0	231.4	55.5	2.1	93	20.6	225.1 *	53.9	2.4	89	17.3	237.6	57.0	1.8	97					
WYCKOFF 2400 SS	105		1,2,3,4	17.9	230.8	54.5	0.0	95	19.5	214.0	52.9	0.0	94	16.3	247.6 *	56.1	0.0	95					
WYCKOFF 2500 SS	106		1,2,3,4	19.1	241.0 *	54.8	0.5	97	20.9	232.7 **	53.5	0.0	95	17.2	249.2 *	56.0	1.0	98					
AVERAGE				19.3	231.2	54.0	0.4	95	21.0	219.0	52.7	0.5	95	17.4	243.4	55.3	0.2	95					
HIGHEST				22.1	245.7	55.5	2.1	98	24.3	232.7	53.9	2.5	99	19.8	260.1	57.0	1.8	99					
LOWEST				17.8	214.5	52.2	0.0	91	18.9	205.6	51.2	0.0	85	16.3	218.6	53.1	0.0	89					
CV (%)				5.5	7.2	1.6	472.2	4.0	5.3	6.2	1.4	291.6	8.0	3.7	6.8	1.5	1356.0	4.0					
LSD (5%)				0.6	8.6	0.5	1.2	2.0	0.9	11.2	0.6	1.5	7.0	0.5	13.1	0.7	1.8	3.0					

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

2018				Late - TRIAL AVERAGE					Branch - Late					Cass - Late					Washtenaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A639-40VT2RIB	109	P500	1,2	23.1	231.9 *	52.9	0.0	96	25.5	223.9 *	51.6	0.0	95	20.7	239.8	54.1	0.0	96					
AGRIGOLD A641-78STXRIB	111	P500	1,2,3,4	24.4	235.7 *	53.6	0.9	97	27.0	219.4 *	52.5	1.8	97	21.8	252.0 *	54.7	0.0	96					
BRODBECK 48PW09E	109	C500	1,2,4	21.9	226.9	53.0	1.9	95	23.7	211.3 *	51.4	1.9	94	20.0	242.5 *	54.5	1.8	96					
BRODBECK 46RA05	112	C500	1,2,4	20.9	221.8	53.9	0.2	96	23.2	211.5 *	52.2	0.3	93	18.6	232.0	55.5	0.0	98					
CHANNEL 209-15 STXRIB	109	A500	1,2,3,4	22.7	217.3	52.9	0.8	94	25.7	205.0	51.4	1.5	95	19.6	229.6	54.4	0.0	93					
CHANNEL 213-19 STXRIB	113	A500	1,2,3,4	24.5	225.8	54.1	0.0	94	27.9	218.7 *	52.8	0.0	95	21.1	232.9	55.4	0.0	93					
DAIRYLAND SEED DS-9508RA	108	C500	1,2,3,4,6	22.2	215.1	52.0	0.6	96	24.6	196.4	50.8	1.2	95	19.8	233.8	53.1	0.0	96					
DAIRYLAND SEED EXP-10813	108		1,2,4	21.0	225.7	52.4	0.0	95	22.2	206.8	50.7	0.0	96	19.7	244.6 *	54.1	0.0	93					
DAIRYLAND SEED RPM-4816AM	108		1,2,4	21.5	226.9	54.5	2.1	98	23.4	210.4 *	53.1	4.1	96	19.5	243.3 *	55.9	0.0	100					
DAIRYLAND SEED DS-7909PE	109	C500	1,2,4,6	22.1	234.8 *	52.5	0.8	97	23.6	212.5 *	52.0	1.5	98	20.6	257.1 *	53.0	0.0	95					
DAIRYLAND SEED RPM-5018AM	109		1,2,4	21.4	229.9 *	52.3	0.5	96	22.3	213.7 *	51.1	0.9	94	20.5	246.0 *	53.4	0.0	97					
DAIRYLAND SEED DS-9510RA	110	C500	1,2,3,4,6	25.1	233.0 *	51.9	0.0	96	27.7	211.3 *	50.8	0.0	95	22.5	254.6 *	53.0	0.0	97					
DAIRYLAND SEED EXP-11015	110		1,2,4	22.6	222.5	52.9	1.4	93	24.6	199.1	51.8	2.7	95	20.6	245.8 *	53.9	0.0	91					
DAIRYLAND SEED EXP-11020	110		1,2,4	22.7	212.6	53.3	0.6	95	24.6	203.6	52.2	1.1	96	20.7	221.6	54.3	0.0	93					
DYNAGRO D49VC70	109	P500	1,2	21.9	224.2	54.3	0.2	94	23.6	209.8 *	52.8	0.3	93	20.2	238.5	55.8	0.0	94					
GOLDEN HARVEST G08M20-3010	108	C500	1,2,4	21.9	216.7	53.8	0.3	93	24.1	216.3 *	52.5	0.6	94	19.6	217.0	55.0	0.0	91					
GOLDEN HARVEST G09A86-3110	109	C500	1,2,4,6	22.3	211.4	51.5	0.9	96	24.5	204.2	50.1	1.8	97	20.1	218.5	52.8	0.0	95					
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	22.5	215.9	52.2	0.2	98	24.4	196.3	51.0	0.3	99	20.6	235.4	53.3	0.0	96					
LEGACY SEEDS L-6918 SSX	108	A500	1,2,3,4	21.7	221.3	54.0	2.2	98	22.5	197.6	53.2	4.4	100	20.9	245.0 *	54.8	0.0	95					
LG SEEDS LG5565STXRIB	108	P500	1,2,3,4	20.9	225.8	54.6	0.5	97	23.0	217.6 *	53.1	0.9	99	18.8	233.9	56.1	0.0	94					
LG SEEDS LG59C66VT2PRO	109	P500	1,2,3	22.0	241.7 **	54.4	0.6	95	23.5	223.6 *	53.5	1.2	96	20.4	259.7 **	55.2	0.0	94					
LG SEEDS LG5590VT2RIB	110	P500	1,2,3	23.7	234.8 *	52.6	0.2	97	26.6	219.1 *	51.1	0.3	95	20.8	250.5 *	54.0	0.0	98					
M&W SEEDS 44D81	108	P250	1,2	21.8	223.8	54.2	0.0	96	23.5	214.2 *	52.4	0.0	97	20.0	233.4	55.9	0.0	95					
M&W SEEDS 44R77	108	P250	1,2	20.7	229.6 *	53.2	0.0	97	22.5	211.4 *	52.2	0.0	96	18.8	247.7 *	54.2	0.0	97					
NK Brand NK0886-3010	108	C250	1,2,4	21.3	213.3	53.8	0.0	94	23.0	191.8	52.7	0.0	94	19.5	234.7	54.8	0.0	93					
NK Brand NK0962-3220A	109	C250	1,2,3,4,6	21.4	210.8	52.3	0.5	96	22.6	188.1	51.2	0.9	97	20.1	233.4	53.4	0.0	95					
RENK RK763VT2P	108	C250	1,2	21.0	221.2	52.6	0.3	97	22.8	203.4	51.0	0.6	97	19.2	238.9	54.2	0.0	96					
RENK RK779SSTX	108	C500	1,2,3,4	22.9	221.1	55.1	0.2	97	26.1	208.9	53.5	0.3	98	19.6	233.3	56.6	0.0	96					
RENK RK810SSTX	110	C250	1,2	22.8	222.7	53.1	0.0	93	26.0	215.6 *	51.8	0.0	90	19.5	229.8	54.4	0.0	95					
RENK RK842SSTX	112	C500	1,2,3,4	24.0	219.3	53.1	0.8	94	26.9	206.1	51.6	1.5	97	21.1	232.4	54.5	0.0	91					
RUPP 8XP888	108	C250	1,2,4,6	20.7	208.2	54.2	0.0	97	21.5	182.0	53.1	0.0	97	19.8	234.3	55.3	0.0	96					
RUPP 8XP843	110	P250	1,2	23.1	230.6 *	52.8	0.0	96	25.6	225.9 **	51.4	0.0	94	20.6	235.3	54.2	0.0	98					
RUPP XRD10-16	110	P250	1,2	21.4	235.3 *	54.1	0.0	98	23.6	214.8 *	52.4	0.0	98	19.2	255.8 *	55.8	0.0	97					
RUPP XRD11-57	111	P250	1,2	22.0	218.9	53.2	0.8	94	24.2	210.9 *	52.0	1.5	96	19.8	226.8	54.3	0.0	91					
RUPP XRD12-49	112	P250	1,2	25.7	234.1 *	52.6	1.6	98	27.5	224.1 *	51.4	2.1	95	23.9	244.0 *	53.7	1.1	101					
WELLMAN W2807DP	107	ENC	1, 2	19.3	191.6	53.9	0.3	89	19.8	173.1	52.7	0.6	89	18.7	210.1	55.0	0.0	89					
WELLMAN W2609DP	109		1,2	21.5	214.5	52.9	0.0	91	23.5	203.2	51.4	0.0	89	19.4	225.8	54.3	0.0	92					
WELLMAN W2911DP	110		1,2	21.1	221.8	53.9	0.5	96	22.3	213.6 *	52.5	0.9	95	19.9	230.0	55.3	0.0	96					
WELLMAN W2812DP	111		1,2	24.2	221.1	52.7	0.2	96	27.0	221.5 *	51.4	0.0	96	21.4	220.7	53.9	0.3	96					
AVERAGE				22.3	222.8	53.3	0.5	96	24.3	208.6	52.0	0.8	96	20.2	236.9	54.5	0.0	95					
HIGHEST				25.7	241.7	55.1	2.2	98	27.9	225.9	53.5	4.4	100	23.9	259.7	56.6	1.8	101					
LOWEST				19.3	191.6	51.5	0.0	89	19.8	173.1	50.1	0.0	89	18.6	210.1	52.8	0.0	89					
CV (%)				6.0	7.0	1.6	380.4	4.0	6.9	6.6	1.4	245.8	4.0	4.4	6.4	1.7	8471.0	4.0					
LSD (5%)				1.1	12.9	0.7	1.3	3.0	2.0	16.2	0.8	2.4	4.0	1.1	17.8	1.1	1.2	5.0					

2 Year Averages 2018 - 2017				Late - TRIAL AVERAGE					Branch - Late					Cass - Late					Washtenaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A		Twt	%SL	%Sd	%H2O	BU/A		Twt	%SL	%Sd	%H2O	BU/A		Twt	%SL	%Sd	%H2O	BU/A		Twt	%SL	%Sd
CHANNEL 213-19 STXRIB	113	A500	1,2,3,4	24.6	228.2	*	53.4	0.0	96	27.2	215.2	**	52.2	0.0	97	22.0	241.2		54.5	0.0	95						
DAIRYLAND SEED DS-9508RA	108	C500	1,2,3,4,6	22.0	230.9	**	51.4	0.3	98	23.1	209.0	*	50.3	0.6	98	20.8	252.7	*	52.4	0.0	98						
DAIRYLAND SEED RPM-4816AM	108		1,2,4	21.7	221.2		53.9	1.1	97	23.1	194.4		52.5	2.1	97	20.3	248.0	*	55.3	0.0	97						
DAIRYLAND SEED EXP-11015	110		1,2,4	22.2	230.8	*	52.8	1.1	96	23.2	206.6	*	51.7	1.4	96	21.2	255.0	**	53.9	0.7	95						
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	22.1	224.1	*	51.5	0.9	99	23.0	200.1		50.5	0.1	99	21.2	248.1	*	52.5	1.7	98						
M&W SEEDS 44D81	108	P250	1,2	21.5	223.9	*	54.1	0.0	94	23.1	205.5	*	52.6	0.0	94	19.9	242.3		55.5	0.0	94						
NK Brand NK0962-3220A	109	C250	1,2,3,4,6	21.4	217.8		51.8	1.9	98	21.9	195.9		50.6	0.5	98	20.9	239.6		53.0	3.2	97						
RENK RK763VT2P	108	C250	1,2	21.8	228.8	*	52.0	0.2	96	23.5	202.8		50.8	0.3	98	20.0	254.7	*	53.2	0.0	94						
RUPP XRD11-57	111	P250	1,2	22.3	227.4	*	52.5	0.7	97	24.6	212.4	*	51.4	1.0	98	20.0	242.4	*	53.6	0.4	96						
RUPP XRD12-49	112	P250	1,2	25.8	230.1	*	51.6	1.0	99	28.4	209.4	*	50.1	1.3	97	23.1	250.7	*	53.1	0.6	100						
WELLMAN W2609DP	109		1,2	22.4	224.3	*	52.3	0.4	95	24.4	206.3	*	50.9	0.0	94	20.4	242.2		53.6	0.7	96						
AVERAGE				22.5	226.1		52.5	0.7	97	24.1	205.2		51.2	0.7	97	20.9	247.0		53.7	1.0	96						
HIGHEST				25.8	230.9		54.1	1.9	99	28.4	215.2		52.6	2.1	99	23.1	255.0		55.5	3.0	100						
LOWEST				21.4	217.8		51.4	0.0	94	21.9	194.4		50.1	0.0	94	19.9	239.6		52.4	0.0	94						
CV (%)				6.4	6.6		2.5	314.1	4.0	7.7	6.4		2.7	232.4	4.0	4.3	6.3		1.6	495.0	3.6						
LSD (5%)				0.8	7.9		0.7	0.8	2.0	1.5	11.0		1.2	1.3	3.0	0.7	12.6		0.7	1.0	2.8						

** 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

2018				Early - TRIAL AVERAGE					Allegan - Early					Ingham - Early					Saginaw - 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
AGRIGOLD A628-20VT2RIB	98	P500	1,2	19.9	228.4	52.3	0.4	94	18.0	237.7	54.8	0.3	94	23.0	214.4	51.3	0.3	95	18.7	233.2 *	50.9	0.6	93
AGRIGOLD A629-22STXRIB	99	P500	1,2,3,4	19.0	227.5	54.4	0.0	95	17.8	227.9	56.4	0.0	91	19.8	220.8	52.2	0.0	99	19.4	233.7 *	54.5	0.0	96
AgVenture AV4994AM	94	C250	1,2,4	20.1	218.5	53.3	0.0	88	18.5	241.8	55.1	0.0	87	22.7	207.9	51.5	0.0	87	19.1	205.7	53.4	0.0	91
AgVenture AV5096AM	96	C250	1,2,4	20.0	232.5	50.8	0.1	95	18.3	252.4 *	51.9	0.0	91	23.0	214.8	48.9	0.3	99	18.7	230.2	51.7	0.0	96
AgVenture AV5799AM	99	C250	1,2,4	21.2	230.8	52.2	0.0	92	19.5	257.8 *	54.2	0.0	89	24.0	214.6	50.6	0.0	93	20.1	219.9	51.7	0.0	95
CHANNEL 192-08 VT2PRIB	92	A250	1,2	17.8	216.1	53.1	0.1	95	16.7	222.9	55.5	0.0	91	18.7	204.1	51.5	0.0	98	18.1	221.4	52.4	0.3	97
CHANNEL 195-18 VT2PRIB	95	A250	1,2	21.0	210.5	54.0	0.3	97	18.4	226.9	57.1	0.6	93	25.0	178.5	52.3	0.3	99	19.7	226.1	52.6	0.0	98
CHANNEL 197-66 VT2PRIB	97	A250	1,2	19.2	212.3	53.3	0.0	95	17.7	227.9	55.3	0.0	91	20.7	184.2	52.4	0.0	98	19.3	224.7	52.1	0.0	97
CHANNEL 201-28 VT2PRIB	101	A250	1,2	20.6	218.1	52.8	0.2	97	17.4	230.2	56.0	0.3	94	25.5	179.8	50.6	0.3	100	18.8	244.2 **	51.8	0.0	97
CROPLAN 3399VT2P/RIB	93	ACC	1,2,3,4	18.2	211.8	54.0	0.2	96	16.9	213.6	56.6	0.6	94	20.0	200.3	52.1	0.0	96	17.8	221.5	53.2	0.0	97
CROPLAN X18093VT2P	93	ACC	1,2	18.3	204.5	53.6	0.2	93	17.1	212.4	55.8	0.0	90	19.7	191.1	52.4	0.6	93	18.0	210.0	52.7	0.0	96
CROPLAN 3499VT3P/RIB	94	ACC	1,2,3	18.7	209.2	53.5	0.1	96	16.7	209.4	56.3	0.3	93	20.5	206.4	52.2	0.0	98	18.8	211.7	51.9	0.0	97
CROPLAN 3575VT2P/RIB	95	ACC	1,2	18.1	219.5	54.0	0.3	95	16.0	229.5	56.7	0.6	93	20.1	206.4	52.3	0.0	95	18.1	222.6	52.9	0.3	98
CROPLAN 3899VT2P/RIB	96	ACC	1,2	19.1	224.2	52.4	0.1	94	17.8	238.0	55.1	0.3	89	20.4	203.4	51.8	0.0	95	19.1	231.3 *	50.2	0.0	97
CROPLAN 3575SS/RIB	95	ACC	1,2,3,4	18.5	202.8	55.1	0.6	90	17.1	207.6	57.1	1.2	88	20.0	190.8	53.6	0.0	92	18.5	209.9	54.5	0.7	89
CROPLAN 3795VT2P/RIB	97	ACC	1,2	19.4	230.6	53.7	0.5	95	17.2	225.0	56.4	0.3	93	22.0	241.0 *	52.9	0.0	97	19.0	225.8	51.8	1.2	96
CROPLAN 4079VT2P/RIB	99	ACC	1,2	19.3	231.4	52.9	0.4	95	18.7	237.1	54.4	0.9	94	20.2	230.9	51.5	0.3	95	18.9	226.1	52.8	0.0	97
CROPLAN 4079SS/RIB	100	ACC	1,2,3,4	20.2	222.9	52.9	0.0	96	19.3	224.4	54.9	0.0	91	21.7	204.7	51.3	0.0	98	19.7	239.6 *	52.5	0.0	99
DAIRYLAND SEED RPM-3519AM	96		1,2,4	19.3	224.3	54.7	0.0	95	18.2	238.5	56.9	0.0	88	20.8	213.1	52.5	0.0	99	19.0	221.4	54.7	0.0	97
DAIRYLAND SEED RPM-3715AM	96		1,2,4	19.3	233.2	51.3	0.0	91	18.6	242.6	53.2	0.0	86	20.5	220.6	50.1	0.0	92	18.9	236.3 *	50.6	0.0	96
DAIRYLAND SEED RPM-499AM	97		1,2,4	19.5	211.2	52.3	0.0	90	17.5	221.2	54.6	0.0	83	23.1	203.2	50.1	0.0	92	18.0	209.1	52.2	0.0	95
DAIRYLAND SEED DS-9599	99	C500	1,2,3,4	20.0	220.3	51.9	0.1	95	18.8	230.2	54.3	0.3	92	21.7	211.9	50.4	0.0	93	19.5	218.8	51.1	0.0	99
DAIRYLAND SEED RPM-4019AM	99		1,2,4	19.7	231.7	50.7	0.0	95	18.6	258.1 **	52.0	0.0	91	22.3	219.3	50.0	0.0	98	18.3	217.6	50.0	0.0	96
DAIRYLAND SEED DS-7101	101	C500	1,2,4,6	21.1	218.0	53.0	0.1	94	20.1	221.3	55.2	0.0	87	22.9	208.1	51.3	0.3	97	20.4	224.5	52.4	0.0	98
DAIRYLAND SEED RPM-4018AM	101		1,2,4	21.2	228.2	52.1	0.5	91	19.8	250.0 *	53.6	0.7	84	23.9	212.9	50.8	0.6	95	19.9	221.7	51.9	0.3	93
DAIRYLAND SEED RPM-4115AM	101		1,2,4	19.6	224.3	53.4	0.2	92	18.6	243.3 *	54.9	0.0	86	21.0	197.9	52.0	0.7	94	19.1	231.8 *	53.3	0.0	97
DYNAGRO D34VC54	94	P500	1,2	18.7	206.2	52.4	0.6	95	16.6	218.1	55.0	0.0	90	20.7	193.6	50.7	0.0	98	18.8	206.9	51.5	1.8	97
DYNAGRO D37VC64	97	P500	1,2	19.1	219.9	52.7	0.6	96	16.8	228.7	55.2	0.9	94	21.3	201.3	51.6	0.0	95	19.2	229.7	51.4	0.9	99
DYNAGRO D39DC43	99	P500	1,2	19.5	213.5	50.8	0.0	95	18.1	223.3	53.9	0.0	93	22.7	195.5	48.9	0.0	97	17.7	221.7	49.7	0.0	95
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	19.8	207.8	53.0	0.0	94	18.6	229.8	55.1	0.0	87	20.7	182.5	52.2	0.0	99	20.1	211.2	51.6	0.0	97
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	20.0	215.4	53.4	0.1	91	19.1	218.1	55.3	0.0	79	21.7	201.2	52.3	0.3	99	19.1	226.9	52.7	0.0	96
GOLDEN HARVEST G95P13-3110	95	C250	1,2,4,6	19.3	212.2	53.7	0.0	92	19.1	231.0	55.5	0.0	86	20.1	188.0	52.6	0.0	95	18.7	217.5	53.0	0.0	95
GOLDEN HARVEST G97N86-3110	97	C250	1,2,4,6	18.1	216.9	53.2	0.1	97	17.1	226.5	54.3	0.0	95	18.7	211.3	53.0	0.0	98	18.5	213.0	52.4	0.3	98
LEGACY SEEDS L-3617 VT2P	97	A500	1,2	18.9	222.3	52.9	0.4	95	17.3	227.3	55.8	0.3	94	20.8	219.4	51.5	0.0	94	18.6	220.1	51.5	0.9	98
LEGACY SEEDS L-3718 VT2P	98	A500	1,2	20.1	212.6	52.9	0.0	96	18.6	218.3	54.5	0.0	95	22.8	190.8	51.7	0.0	97	19.0	228.8	52.5	0.0	97
LEGACY SEEDS L-4118 SSX	100	A500	1,2,3,4	19.1	225.3	53.7	0.0	96	17.3	240.1	55.2	0.0	91	21.4	194.5	52.0	0.0	98	18.7	241.3 *	53.8	0.0	98
LEGEND 9897 VT2PRIB	97	C250	1,2	19.0	209.5	52.1	0.2	90	17.4	221.9	54.3	0.4	84	20.9	187.0	50.4	0.0	93	18.7	219.5	51.7	0.3	94
LEGEND 9999 VT2PRIB	99	C250	1,2	20.0	247.0 **	52.0	0.1	98	18.9	252.1 *	53.6	0.0	93	21.5	251.2 **	51.3	0.0	99	19.7	237.8 *	51.0	0.3	101
LG SEEDS LG44C27VT2PRO	94	P500	1,2,3	18.2	217.1	53.2	0.4	94	16.7	211.0	55.8	0.9	93	19.4	207.4	52.0	0.0	97	18.5	232.9 *	51.9	0.3	93
LG SEEDS LG44C34-3110	94	P500	1,2,4,6	18.4	217.9	53.6	0.4	90	17.9	227.1	55.0	0.0	81	18.9	194.3	52.6	0.0	95	18.3	232.4 *	53.3	1.2	95
LG SEEDS LG5465VT2RIB	97	P500	1,2,3	19.0	216.8	53.4	0.1	96	16.9	227.8	56.0	0.3	95	21.4	198.8	51.9	0.0	98	18.8	223.9	52.3	0.0	96
LG SEEDS LG5494VT2RIB	99	P500	1,2,3	20.3	231.6	52.3	0.1	96	18.0	234.6	54.6	0.0	96	23.7	223.9	51.2	0.3	99	19.3	236.3 *	51.1	0.0	92
LG SEEDS LG5505VT2RIB	100	P500	1,2,3	18.6	230.4	54.2	0.1	97	17.4	232.8	57.0	0.3	93	20.0	224.9	52.4	0.0	99	18.4	233.4 *	53.3	0.0	98
M&W SEEDS 46R52	95	P250	1,2,4,6	19.9	223.4	53.6	0.2	93	19.1	236.2	55.1	0.0	90	21.5	215.4	52.9	0.0	95	19.0	218.7	52.8	0.6	95
M&W SEEDS 46P76	97	P250	1,2	18.0	225.7	53.2	0.3	95	16.6	226.2	55.7	0.0	91	19.5	216.4	51.9	0.6	98	17.9	234.6 *	52.1	0.3	95

MISSION SEED AMP A9567VT2P	95	P250	1,2	19.4	223.7	52.7	0.2	95	17.7	235.7	54.4	0.3	93	21.0	212.7	51.7	0.0	98	19.4	222.8	52.1	0.3	94
MISSION SEED AMP A9826VT2P	98	P250	1,2	18.4	216.7	53.6	0.1	94	17.3	224.8	55.6	0.0	92	19.9	212.2	52.5	0.0	93	18.1	213.1	52.8	0.3	97
MISSION SEED AMP A9938VT2P	99	P250	1,2	18.9	225.7	53.5	0.7	96	17.5	228.6	55.1	0.0	94	20.0	209.6	52.4	1.2	97	19.1	238.8 *	53.0	0.9	98
MISSION SEED AMP A6101VT2P	101	P250	1,2	19.5	212.5	53.6	0.0	93	18.3	214.4	56.0	0.0	89	20.8	207.5	52.6	0.0	95	19.4	215.5	52.2	0.0	95
NK Brand NK9659-3120	96	C250	1,2,4	19.5	219.7	53.0	0.4	93	18.4	239.2	54.9	0.7	90	21.2	201.7	51.5	0.3	93	19.0	218.3	52.5	0.3	97
NK Brand NK0199-3122A	101	C250	1,2,3,4	19.9	209.2	54.0	0.0	92	19.0	230.3	55.6	0.0	90	21.0	188.5	52.3	0.0	94	19.7	208.7	54.0	0.0	93
RENK RK608DGVT2P	100	C250	1,2	19.8	213.4	51.4	0.0	93	18.0	227.6	54.1	0.0	91	22.2	197.7	50.2	0.0	95	19.1	215.0	49.8	0.0	92
RUPP XRT94-06	94	P250	1,2	19.1	220.1	52.9	0.4	95	17.2	223.3	56.4	0.6	92	21.4	220.4	51.1	0.6	96	18.8	216.6	51.2	0.0	97
RUPP XRD97-95	97	P250	1,2	19.0	222.2	53.6	0.2	94	17.3	231.3	56.1	0.0	88	20.9	219.7	52.2	0.0	97	18.8	215.5	52.6	0.6	96
RUPP XRD00-51	100	P250	1,2	20.5	202.1	53.0	0.0	96	18.9	211.6	55.5	0.0	91	21.6	186.4	52.0	0.0	99	21.0	208.2	51.5	0.0	97
SEED CONSULTANTS SCS 989YHR[T]	98	C250	1,2,4	19.4	231.5	54.7	0.0	95	18.2	244.4 *	56.3	0.0	92	20.9	219.2	53.6	0.0	99	19.1	230.9 *	54.3	0.0	94
SEED CONSULTANTS SCS 1018YHR	101	C250	1,2,4	20.8	232.6	52.0	0.3	95	19.9	255.7 *	53.6	0.3	90	22.8	215.8	50.7	0.6	97	19.7	226.3	51.8	0.0	97
SEEDWAY SW3600GENSSRIB	92	P250	1,2,3,4	18.3	209.8	53.9	0.0	95	16.6	206.3	55.8	0.0	93	19.9	197.1	52.4	0.0	95	18.3	225.9	53.5	0.0	96
SEEDWAY SW3768GENSSRIB	95	C250	1,2,3,4	18.4	222.7	53.2	0.2	95	16.8	227.8	55.6	0.0	91	19.4	221.4	51.8	0.0	98	18.9	219.0	52.2	0.7	96
SEEDWAY SW4010GENSSRIB	100	C250	1,2,3,4	19.7	213.4	53.2	0.1	90	17.8	214.6	55.1	0.4	84	21.5	206.5	51.7	0.0	92	19.8	219.2	52.9	0.0	93
SPECIALTY 26A236	96	P500	1,2,3,4	18.8	224.8	53.0	0.0	94	17.3	227.6	55.3	0.0	90	20.5	219.8	51.2	0.0	96	18.6	226.9	52.6	0.0	97
SPECIALTY 27D728	97	P250	1,2	19.2	225.2	53.5	0.0	98	18.4	253.1 *	55.2	0.0	99	20.5	191.8	52.3	0.0	98	18.7	230.8 *	53.0	0.0	97
SPECIALTY 30A307	100	P500	1,2,3,4	21.5	224.8	52.7	0.0	97	20.7	229.5	54.6	0.0	94	22.5	213.6	51.5	0.0	97	21.3	231.2 *	52.1	0.0	99
SUN PRAIRIE SP1970	94	C250		18.8	199.1	54.0	0.3	91	18.6	215.0	56.1	0.4	82	19.6	168.0	52.5	0.0	96	18.2	214.2	53.4	0.6	95
SUN PRAIRIE SP1927	95	C250		19.5	201.2	51.7	0.1	92	17.8	207.1	53.2	0.3	84	21.0	191.9	51.3	0.0	97	19.6	204.7	50.5	0.0	94
SUN PRAIRIE SP2272	101	C250		19.3	217.0	54.2	0.1	93	18.3	232.5	56.1	0.3	88	20.6	205.0	52.5	0.0	97	18.9	213.5	54.0	0.0	94
WELLMAN W2801DP	101		1,2	19.8	215.0	53.4	0.3	97	18.3	227.3	56.0	0.0	95	21.6	208.9	52.3	0.0	95	19.6	208.9	51.8	0.9	100
AVERAGE				19.4	219.4	53.1	0.2	94	18.0	229.3	55.2	0.2	90	21.2	205.9	51.7	0.1	96	19.0	222.8	52.3	0.2	96
HIGHEST				21.5	247.0	55.1	0.7	98	20.7	258.1	57.1	1.2	99	25.5	251.2	53.6	1.2	100	21.3	244.2	54.7	1.8	101
LOWEST				17.8	199.1	50.7	0.0	88	16.0	206.3	51.9	0.0	79	18.7	168.0	48.9	0.0	87	17.7	204.7	49.7	0.0	89
CV (%)				3.9	6.0	1.6	378.5	4.0	3.6	5.7	1.4	329.1	5.0	4.3	7.2	1.4	448.0	4.0	3.4	5.3	1.9	368.8	3.0
LSD (5%)				0.5	8.9	0.6	0.4	2.0	0.8	15.2	0.9	0.7	5.0	1.1	17.3	0.8	0.6	4.0	0.8	13.8	1.1	0.9	4.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

-2 Year Averages Continued On Page 24.

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

2018				Late - TRIAL AVERAGE					Allegan - Late					Ingham - Late					Saginaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AGRIGOLD A633-94STX	103	P500	1,2,3,4	20.3	225.0	53.7	0.2	92	19.9	226.5	54.2	0.0	89						20.6	223.4	53.2	0.3	94
AGRIGOLD A635-54VT2RIB	105	P500	1,2	22.5	238.3	52.3	0.0	97	21.6	244.2	53.0	0.0	97	Location Dropped					23.3	232.4	51.5	0.0	97
AgVenture AV6302AM	102	C250	1,2,4	20.4	255.4 *	52.3	0.0	95	20.1	263.9 **	53.2	0.0	91						20.6	246.8 *	51.3	0.0	99
BRODBECK 59RA02	102	C500	1,2,3,4	21.7	228.4	51.5	0.3	93	21.5	232.5	51.6	0.3	91						21.9	224.2	51.3	0.3	95
BRODBECK 48PW03E	103	C500	1,2,4	21.9	227.2	51.7	1.2	89	21.6	225.6	52.4	0.0	86						22.1	228.8	51.0	2.3	92
BRODBECK 48PW09E	109	C500	1,2,4	23.9	245.2	51.2	1.3	89	23.5	257.1 *	51.5	0.7	83						24.3	233.3	50.8	1.9	94
BRODBECK 46RA05	112	C500	1,2,4	21.8	245.0	52.1	0.6	93	21.5	249.1 *	52.3	0.0	89						22.0	240.8	51.9	1.1	96
CHANNEL 203-01 VT2PRIB	103	A250	1,2	23.3	239.8	50.6	0.8	96	22.3	248.7 *	51.6	1.5	92						24.3	230.9	49.5	0.0	99
CHANNEL 207-27 VT2PRIB	107	A250	1,2	26.2	240.1	51.3	0.9	93	26.4	255.8 *	52.8	0.9	89						25.9	224.4	49.7	0.9	97
DAIRYLAND SEED DS-7603PE	103	C500	1,2,4,6	22.1	233.0	50.9	0.0	92	21.2	229.3	51.4	0.0	86						23.0	236.7	50.4	0.0	97
DAIRYLAND SEED EXP-10306	103		1,2,3,4	17.9	218.4	54.8	0.2	97	17.1	223.2	54.7	0.0	95						18.6	213.6	54.8	0.3	98
DAIRYLAND SEED RPM-4317AM	103		1,2,4	20.9	237.5	52.5	0.3	95	21.3	245.6	52.7	0.0	91						20.5	229.3	52.2	0.6	99
DAIRYLAND SEED DS-9804RA	104	C500	1,2,3,4,6	22.6	234.9	51.3	0.0	93	22.4	253.8 *	52.3	0.0	91						22.8	215.9	50.3	0.0	94
DAIRYLAND SEED EXP-10411	104		1,2,4	21.1	252.7 *	52.1	0.0	94	20.9	249.3 *	52.2	0.0	91						21.2	256.1 **	52.0	0.0	97
DAIRYLAND SEED RPM-4318AM	104		1,2,4	20.1	250.0 *	53.1	0.2	92	19.9	251.6 *	53.3	0.0	87						20.2	248.3 *	52.8	0.3	97
DAIRYLAND SEED RPM-4329AM	104		1,2,4	23.3	243.4	50.2	1.6	94	23.5	247.0	50.9	0.0	90						23.1	239.7	49.5	3.2	98
DAIRYLAND SEED RPM-562XRR	106		1,2,4	21.7	257.2 **	52.1	0.0	91	20.8	261.6 *	53.2	0.0	86						22.6	252.8 *	50.9	0.0	96
DYNAGRO D43VC81	103	P500	1,2	20.9	227.1	51.7	0.6	90	21.4	229.5	52.1	0.0	82						20.4	224.6	51.2	1.2	97
DYNAGRO D44VC40	104	P500	1,2	20.2	224.7	51.6	0.0	94	19.5	222.8	53.0	0.0	92						20.8	226.6	50.1	0.0	96
GOLDEN HARVEST G03C84-3120	103	C250	1,2,4	21.5	232.4	51.4	2.2	94	21.5	245.5	52.3	3.8	91						21.5	219.2	50.5	0.6	97
GOLDEN HARVEST G04S19-3010	104	C250	1,2,4	20.9	232.8	50.2	1.2	97	20.7	242.3	50.9	0.9	95						21.0	223.2	49.5	1.4	98
GOLDEN HARVEST G06Q68-3220	106	C250	1,2,3,4,6	21.6	237.4	51.2	0.6	95	21.3	235.9	51.5	0.3	93						21.9	238.8	50.9	0.9	97
LEGACY SEEDS L-5217 SSX	102	A500	1,2,3,4	20.2	228.9	53.4	0.0	90	20.2	232.8	54.0	0.0	85						20.2	224.9	52.7	0.0	95
LEGEND 9701 GENSSRIB	101	C250	1,2,3	20.3	224.8	51.9	0.0	93	19.6	222.7	53.5	0.0	89						21.0	226.9	50.2	0.0	97
LEGEND 9804 GENSSRIB	104	C250	1,2,3,4	20.4	229.4	53.0	0.0	96	20.6	227.1	53.2	0.0	91						20.2	231.6	52.8	0.0	100
LEGEND 9907 GENSSRIB	107	C250	1,2,3,4	23.2	231.3	50.7	0.0	90	22.3	231.5	51.0	0.0	86						24.1	231.0	50.4	0.0	94
LG SEEDS LG5499VT2RIB	102	P500	1,2,3	20.7	236.8	51.7	0.0	95	20.7	238.6	52.9	0.0	92						20.6	235.0	50.4	0.0	98
LG SEEDS LG5525VT2RIB	105	P500	1,2,3	21.8	231.1	52.4	0.3	95	21.3	228.2	53.0	0.0	90						22.2	233.9	51.8	0.6	99
LG SEEDS LG57C28VT2PRO	107	P500	1,2,3	22.2	218.4	51.5	0.5	94	21.4	226.2	52.4	0.0	91						23.0	210.6	50.6	0.9	96
M&W SEEDS 45R69	103	P250	1,2	20.5	230.5	53.3	0.2	89	20.5	230.2	54.0	0.3	86						20.5	230.8	52.6	0.0	92
M&W SEEDS 44R35	105	P250	1,2	21.5	247.3 *	51.9	0.2	97	21.9	252.8 *	52.2	0.0	97						21.0	241.8	51.6	0.3	97
MISSION SEED AMP A0357SS	103	P250	1,2,3,4	21.4	234.6	52.6	0.0	95	21.8	229.2	53.1	0.0	93						20.9	239.9	52.1	0.0	97
NK Brand NK0330-3120	103	C250	1,2,4	21.6	221.6	51.2	3.3	97	22.2	226.7	51.4	5.3	94						20.9	216.4	51.0	1.2	99
RENK RK604SSTX	102	C500	1,2,3,4	19.4	234.9	52.7	1.1	93	19.1	239.4	53.5	1.9	88						19.7	230.3	51.9	0.3	97
RENK RK642SSTX	103	C500	1,2,3,4	20.2	220.1	53.1	0.3	91	20.6	209.2	52.8	0.0	85						19.8	230.9	53.3	0.6	96
RENK RK717SSTX	105	C500	1,2,3,4	20.1	233.8	53.1	0.3	96	20.3	240.8	54.1	0.0	94						19.8	226.8	52.1	0.6	98
RENK RK710DGVT2P	106	C250	1,2	22.1	245.9	51.4	0.0	94	23.1	242.5	52.0	0.0	90						21.1	249.2 *	50.8	0.0	97
RENK RK737SSTX	106	C500	1,2,3,4	22.0	237.5	52.6	0.3	95	22.6	243.5	53.3	0.0	95						21.4	231.4	51.9	0.6	95
RUPP XRD03-07	103	P250	1,2	19.8	235.6	53.6	0.2	92	20.2	238.0	54.0	0.3	88						19.4	233.2	53.1	0.0	95
SEED CONSULTANTS SCS 1037YHR™	103	C250	1,2,4	20.2	239.3	53.2	0.0	91	20.3	248.6 *	53.6	0.0	86						20.1	229.9	52.7	0.0	95
SEED CONSULTANTS SCS 10HR43™	104	C250	1,2,4	21.8	236.5	51.7	0.0	95	20.9	244.2	52.3	0.0	93						22.7	228.8	51.0	0.0	97
SEED CONSULTANTS SC 10AGT59™	105	C250	1,2,4	22.3	227.0	51.5	0.2	92	22.0	225.6	52.2	0.0	87						22.6	228.4	50.8	0.3	97
SEEDWAY SW5440GENSSRIB	106		1,2,3,4	20.8	244.9	52.5	0.0	95	20.9	253.4 *	53.7	0.0	90						20.6	236.4	51.2	0.0	99
SPECIALTY 32A323	102	P500	1,2,3,4	20.5	229.9	51.4	0.2	97	20.0	230.8	51.7	0.0	96						20.9	229.0	51.0	0.3	98
SPECIALTY 32A886	102	P500	1,2,3,4	20.9	244.2	50.8	0.6	94	21.0	248.0	51.7	0.6	95						20.8	240.4	49.9	0.6	93

SPECIALTY 34A007	104	P500	1,2,3,4	21.5	231.0	52.6	0.0	92	20.8	227.8	53.4	0.0	86						22.1	234.2	51.7	0.0	98
WELLMAN W2903DP	103		1,2	20.5	223.8	53.4	0.0	90	20.4	224.0	53.8	0.0	84						20.6	223.5	53.0	0.0	95
WELLMAN W2705DP	105		1,2	20.2	221.8	51.7	0.5	92	20.5	229.3	53.2	0.0	90						19.8	214.2	50.1	1.0	93
WELLMAN W2307DP	107		1,2	24.3	236.3	50.5	1.5	93	25.0	243.7	51.3	0.0	90						23.5	228.9	49.7	2.9	95
WELLMAN W2807DP	107	ENC	1, 2	21.7	219.3	51.7	0.0	88	22.1	217.5	51.8	0.0	84						21.2	221.0	51.6	0.0	91
WELLMAN W2609DP	109		1,2	24.7	201.7	49.8	0.9	90	24.3	220.9	51.1	0.4	88						25.0	182.5	48.4	1.3	92
WELLMAN W2911DP	110		1,2	24.9	231.1	51.4	2.1	91	24.9	249.3 *	52.0	0.0	88						24.8	212.8	50.8	4.1	94
WELLMAN W2812DP	111		1,2	27.0	206.4	50.3	3.9	95	26.7	219.1	50.8	0.6	93						27.3	193.6	49.7	7.1	97
AVERAGE				21.6	233.2	51.9	0.5	93	21.5	237.4	52.6	0.3	90						21.7	229.0	51.2	0.7	96
HIGHEST				27.0	257.2	54.8	3.9	97	26.7	263.9	54.7	5.3	97						27.3	256.1	54.8	7.1	100
LOWEST				17.9	201.7	49.8	0.0	88	17.1	209.2	50.8	0.0	82						18.6	182.5	48.4	0.0	91
CV (%)				4.6	5.4	2.0	305.4	5.0	5.3	5.7	1.9	369.0	6.0						3.9	5.0	2.0	266.0	3.0
LSD (5%)				0.8	10.3	0.8	1.3	3.0	1.3	15.8	1.2	1.4	6.0						1.0	13.3	1.2	2.2	4.0

2 Year Averages 2018 - 2017				Late - TRIAL AVERAGE					Allegan - Late					Ingham - Late					Saginaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DAIRYLAND SEED RPM-4317AM	103		1,2,4						19.7	248.1	54.2	0.5	93										
DAIRYLAND SEED RPM-4318AM	104		1,2,4						19.4	268.3 **	53.9	0.0	92										
DAIRYLAND SEED RPM-562XRR	106		1,2,4						20.3	256.4	53.6	0.0	84										
DYNAGRO D44VC40	104	P500	1,2						18.9	246.6	54.4	0.0	94										
GOLDEN HARVEST G03C84-3120	103	C250	1,2,4						20.3	244.3	53.4	3.7	95										
LEGEND 9804 GENSSRIB	104	C250	1,2,3,4						19.3	237.4	54.5	0.0	91										
RENK RK642SSTX	103	C500	1,2,3,4						19.4	232.6	54.5	0.5	91										
RENK RK717SSTX	105	C500	1,2,3,4						19.0	252.7	55.2	0.7	94										
SPECIALTY 32A323	102	P500	1,2,3,4						19.5	240.1	52.6	0.0	95										
SPECIALTY 32A886	102	P500	1,2,3,4						19.9	257.0	53.5	0.3	95										
SPECIALTY 34A007	104	P500	1,2,3,4						19.3	244.6	54.9	0.0	90										
AVERAGE									19.5	248.0	54.1	0.5	92										
HIGHEST									20.3	268.3	55.2	3.7	95										
LOWEST									18.9	232.6	52.6	0.0	84										
CV (%)									4.5	5.6	1.7	401.1	6.0										
LSD (5%)									0.8	11.2	0.8	1.3	5.0										

** 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

2018				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
AgVenture AV4994AM	94	C250	1,2,4	20.2	203.8	52.9	0.8	93	21.4	193.3	52.7	0.6	93	19.7	192.8	52.1	1.4	90	19.6	225.4 *	53.8	0.3	96
AgVenture AV5096AM	96	C250	1,2,4	22.0	208.0	49.7	1.8	96	23.2	164.4	50.3	0.9	97	21.4	223.7	48.9	2.3	95	21.4	235.8 **	50.0	2.1	97
CROPLAN 3399VT2P/RIB	93	ACC	1,2,3,4	18.4	200.2	54.0	0.3	97	19.3	194.7	54.3	0.0	99	17.7	208.2	53.8	0.9	94	18.1	197.7	53.9	0.0	97
CROPLAN X18093VT2P	93	ACC	1,2	17.2	200.8	53.1	0.1	96	19.3	174.9	53.5	0.0	97	14.7	217.0	52.6	0.0	93	17.5	210.5	53.2	0.3	99
CROPLAN 3499VT3P/RIB	94	ACC	1,2,3	18.7	186.8	53.6	0.0	98	19.7	160.1	54.5	0.0	102	17.3	204.2	53.2	0.0	96	19.0	196.0	53.2	0.0	96
CROPLAN 3575VT2P/RIB	95	ACC	1,2	18.3	212.1 *	53.8	0.4	96	19.3	190.6	54.6	0.3	98	17.0	241.4 **	53.5	0.6	93	18.5	204.4	53.3	0.3	97
CROPLAN 3899VT2P/RIB	96	ACC	1,2	20.1	205.9	52.2	0.6	94	20.1	198.0 *	52.9	0.0	96	19.3	218.9	51.4	0.7	90	20.8	200.9	52.2	1.2	95
CROPLAN 3575SS/RIB	95	ACC	1,2,3,4	18.7	208.7	54.9	0.5	91	19.4	207.9 *	55.0	0.0	95	18.6	210.3	54.1	1.0	88	18.2	208.0	55.6	0.4	90
CROPLAN 3795VT2P/RIB	97	ACC	1,2	19.0	207.2	49.4	0.4	98	19.0	192.6	41.4	0.0	100	17.5	211.6	53.5	0.9	96	20.4	217.5	53.2	0.3	98
DAIRYLAND SEED DS-7294A	94	C500	1,2,4,6	20.0	194.4	52.7	3.5	96	19.9	148.3	53.9	0.0	97	19.3	216.5	50.9	8.7	93	20.8	218.4	53.3	1.7	97
DAIRYLAND SEED RPM-3519AM	96		1,2,4	19.3	204.7	54.5	3.4	97	20.2	193.9	54.1	0.0	99	18.0	220.1	54.5	10.2	96	19.7	200.0	55.0	0.0	97
DAIRYLAND SEED RPM-3715AM	96		1,2,4	20.0	203.5	50.9	0.1	95	21.5	170.6	50.9	0.0	98	18.2	238.2 *	50.6	0.0	93	20.2	201.6	51.2	0.3	95
DAIRYLAND SEED RPM-499AM	97		1,2,4	19.1	206.7	51.9	2.5	96	20.2	181.2	51.4	0.0	95	17.9	221.8	51.3	7.3	96	19.1	217.1	53.0	0.3	96
DYNAGRO D34VC54	94	P500	1,2	17.2	205.4	52.6	1.2	98	18.2	190.5	53.9	0.6	99	15.0	213.2	51.8	2.1	96	18.5	212.4	52.1	0.9	98
DYNAGRO D37VC64	97	P500	1,2	18.7	201.7	52.8	0.7	98	19.8	182.9	53.7	0.0	99	17.0	192.0	52.1	1.4	96	19.2	230.3 *	52.7	0.6	98
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	19.3	197.7	53.1	2.1	95	18.7	167.5	54.4	0.0	97	19.0	201.8	50.6	5.5	93	20.1	223.8 *	54.2	0.9	94
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	19.4	209.2 *	53.7	2.7	98	20.0	178.2	54.3	0.3	100	18.4	225.2	53.1	7.4	95	19.8	224.3 *	53.7	0.3	98
LEGACY SEEDS L-3115 SSX	93	A500	1,2,3,4	19.1	201.6	53.1	2.3	93	19.5	193.6	54.1	0.0	91	18.0	210.5	52.6	6.5	94	19.8	200.6	52.7	0.3	93
LEGACY SEEDS L-3517 VT2P	95	A250	1,2	18.6	200.2	53.6	0.6	96	19.2	176.2	54.4	0.0	98	17.4	217.7	52.9	0.9	95	19.1	206.6	53.5	0.9	96
LEGACY SEEDS L-3617 VT2P	97	A500	1,2	18.7	214.0 *	52.5	0.2	95	18.5	191.2	53.2	0.6	98	17.7	227.8 *	52.0	0.0	91	19.9	222.9 *	52.2	0.0	97
LEGEND 9895 VT2PRIB	95	C250	1,2	19.2	206.6	53.4	0.6	93	19.4	195.8 *	54.4	0.0	99	19.2	210.9	52.0	1.6	86	19.1	213.1	53.9	0.3	94
LEGEND 9897 VT2PRIB	97	C250	1,2	19.5	201.9	52.4	0.6	94	19.3	185.4	54.2	0.3	96	19.3	208.2	50.9	0.9	91	19.9	212.0	52.1	0.6	94
LG SEEDS LG5410VT2RIB	91	P500	1,2,3	17.9	183.2	53.5	0.3	98	19.1	146.4	54.8	0.6	99	16.4	211.7	52.2	0.3	96	18.3	191.6	53.6	0.0	98
LG SEEDS LG5415VT2RIB	93	P500	1,2,3	16.8	192.2	53.2	8.1	96	19.0	172.1	53.8	0.0	95	13.8	190.8	52.1	23.5	96	17.7	213.6	53.7	0.9	97
LG SEEDS LG44C27VT2PRO	94	P500	1,2,3	18.6	207.7	52.9	1.0	96	20.0	212.4 *	53.4	0.0	97	16.5	187.8	52.0	1.6	95	19.2	222.8 *	53.2	1.5	97
LG SEEDS LG44C34-3110	94	P500	1,2,4,6	19.0	200.1	52.8	0.2	93	19.3	154.1	54.3	0.0	96	18.5	223.7	52.1	0.6	90	19.1	222.5 *	52.1	0.0	94
LG SEEDS LG5465VT2RIB	97	P500	1,2,3	19.0	216.0 *	53.3	0.2	97	20.2	205.8 *	53.3	0.3	99	18.1	223.3	52.8	0.3	95	18.8	219.0	53.8	0.0	98
M&W SEEDS 48R11	87	P250	1,2	16.3	191.7	54.7	3.0	98	17.6	192.7	55.8	1.2	99	13.9	203.9	53.4	7.6	97	17.4	178.4	54.9	0.3	97
M&W SEEDS 47P61	90	P250	1,2	18.3	194.6	53.5	0.3	95	18.8	183.5	55.0	0.0	96	17.5	200.6	51.7	0.9	91	18.6	199.6	53.9	0.0	97
M&W SEEDS 46R52	95	P250	1,2,4,6	18.7	209.0	53.3	2.1	97	19.6	186.5	53.2	0.3	99	17.4	217.2	52.7	5.5	95	19.1	223.3 *	54.0	0.6	98
M&W SEEDS 46P76	97	P250	1,2	18.2	219.0 **	53.2	0.0	92	19.7	214.4 **	54.0	0.0	97	16.3	217.1	52.9	0.0	91	18.6	225.4 *	52.8	0.0	89
MISSION SEED AMP A9567VT2P	95	P250	1,2	19.3	196.5	52.4	1.3	95	19.3	162.2	53.2	2.4	96	19.1	214.7	51.7	1.2	94	19.5	212.7	52.2	0.3	94
NK Brand NK8920-3120	89	C250	1,2,4	18.2	193.0	53.2	1.4	99	19.0	157.5	54.0	0.0	100	16.8	218.3	51.7	4.2	99	18.8	203.3	54.0	0.0	97
NK Brand NK9227-3220A	92	C250	1,2,3,4,6	19.3	192.2	53.4	3.1	96	19.2	174.3	54.8	0.0	98	18.5	196.2	51.4	7.8	93	20.2	206.1	53.9	1.6	97
NK Brand NK9505-3110	95	C250	1,2,4,6	19.4	200.2	54.2	0.3	93	19.8	182.3	54.8	0.0	95	18.2	201.3	53.4	0.0	88	20.2	217.1	54.3	0.9	95
RENK RK408VT2P™	90	C250	1,2	18.3	201.9	53.2	0.1	94	18.2	182.4	54.4	0.0	97	17.8	214.5	51.9	0.3	92	18.8	208.7	53.4	0.0	94
RENK RK433RR	92	C250	1	18.1	195.7	53.2	0.9	97	17.7	166.1	54.4	0.3	97	17.5	207.8	52.0	1.2	96	19.2	213.3	53.2	1.2	97
RENK 8-536VT2P	94	C250	1,2	18.9	209.7 *	52.1	1.3	97	19.8	194.3	53.3	0.6	100	18.2	222.8	50.8	3.2	95	18.8	212.1	52.3	0.0	96
RENK RK568VT2P	95	C250	1,2	18.8	194.1	53.5	0.7	94	20.5	180.3	54.0	0.0	95	17.4	201.7	53.1	1.5	92	18.4	200.2	53.5	0.6	94
RENK RK587VT2P	97	C250	1,2	19.3	203.8	52.2	0.5	93	20.1	195.3 *	52.7	0.0	97	16.5	198.0	52.5	0.9	89	21.3	218.2	51.5	0.6	92
RUPP XRT94-06	94	P250	1,2	18.4	194.7	53.5	0.0	97	19.8	178.5	54.1	0.0	97	16.8	198.5	52.9	0.0	96	18.5	207.0	53.6	0.0	99
RUPP XRD97-95	97	P250	1,2	19.0	194.5	53.6	0.8	93	19.4	152.6	54.5	0.3	95	18.6	214.6	52.4	1.7	88	18.9	216.3	53.9	0.3	97
SEEDWAY SW3600GENSSRIB	92	P250	1,2,3,4	18.1	195.9	53.8	2.0	97	19.2	188.3	54.4	0.0	98	16.9	206.5	53.1	5.0	95	18.1	193.0	53.8	0.9	97
SEEDWAY SW3768GENSSRIB	95	C250	1,2,3,4	18.9	214.2 *	53.0	1.1	96	20.6	202.6 *	53.7	0.3	96	16.8	216.6	52.1	2.9	97	19.2	223.5 *	53.3	0.0	96
SUN PRAIRIE SP1970	94	C250		18.3	192.5	54.2	1.5	95	17.9	152.4	55.7	0.0	97	17.3	214.2	52.7	3.3	95	19.7	210.9	54.3	1.2	94

SUN PRAIRIE SP1927	95	C250	19.9	194.4	51.8	3.3	96	20.4	173.6	53.0	0.0	97	19.5	203.8	49.6	9.6	94	19.8	205.8	52.7	0.3	97
AVERAGE			18.8	201.5	53.0	1.3	96	19.5	181.4	53.6	0.2	97	17.6	211.7	52.2	3.1	94	19.2	211.4	53.2	0.5	96
HIGHEST			22.0	219.0	54.9	8.1	99	23.2	214.4	55.8	2.4	102	21.4	241.4	54.5	23.5	99	21.4	235.8	55.6	2.1	99
LOWEST			16.3	183.2	49.4	0.0	91	17.6	146.4	41.4	0.0	91	13.8	187.8	48.9	0.0	86	17.4	178.4	50.0	0.0	89
CV (%)			4.9	7.3	1.7	297.3	3.0	5.2	9.2	7.7	277.2	3.0	5.0	5.7	1.4	207.0	4.0	4.6	6.0	1.7	229.2	3.0
LSD (5%)			0.6	9.9	0.6	2.5	2.0	1.2	19.6	4.8	0.7	3.0	1.0	14.0	0.9	7.4	5.0	1.0	14.8	1.0	1.3	3.0

2 Year Averages 2018 - 2017				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
AgVenture AV5096AM	96	C250	1,2,4	22.4	214.6	*	49.9	1.2	95	23.1	187.8		50.1	0.7	96	22.0	245.5		49.4	1.2	93	22.1	210.4	**	50.2	1.8	95
CROPLAN 3399VT2P/RIB	93	ACC	1,2,3,4	19.8	206.3		53.1	0.9	97	19.6	195.5	*	53.5	2.3	99	19.4	233.5		53.2	0.5	95	20.5	189.8		52.7	0.0	96
CROPLAN 3499VT3P/RIB	94	ACC	1,2,3	19.4	198.6		53.4	0.7	98	19.8	182.5		53.7	1.8	100	18.7	225.0		53.3	0.0	96	19.8	188.2		53.2	0.3	97
CROPLAN 3575VT2P/RIB	95	ACC	1,2	19.3	218.2	**	53.6	0.9	95	19.6	203.5	**	53.8	2.0	98	18.6	256.5	*	53.5	0.3	92	19.6	194.5		53.4	0.3	96
CROPLAN 3795VT2P/RIB	97	ACC	1,2	20.3	210.2		51.1	0.3	98	20.0	194.9	*	47.1	0.3	99	19.4	235.5		53.4	0.5	96	21.4	200.1	*	52.9	0.2	98
DAIRYLAND SEED RPM-3715AM	96		1,2,4	21.0	211.3		50.6	1.3	95	21.4	182.2		50.7	2.9	98	20.1	258.5	**	50.9	0.7	92	21.5	193.1		50.2	0.2	96
DYNAGRO D34VC54	94	P500	1,2	18.6	210.8		52.2	4.0	98	19.1	196.4	*	52.8	10.4	99	17.1	241.0		52.0	1.0	97	19.5	194.9		51.9	0.5	99
LG SEEDS LG5410VT2RIB	91	P500	1,2,3	18.9	196.4		52.8	0.6	97	19.1	160.8		53.7	1.5	99	18.3	236.3		52.3	0.4	95	19.4	192.0		52.4	0.0	98
LG SEEDS LG5415VT2RIB	93	P500	1,2,3	17.6	199.6		53.0	5.1	96	18.8	183.5		53.4	2.7	97	15.8	222.5		52.3	12.0	95	18.1	192.8		53.4	0.6	96
RENK RK433RR	92	C250	1	19.0	204.2		53.0	1.5	97	18.3	187.9		53.5	3.3	98	18.8	229.6		52.4	0.7	96	19.8	195.2		53.0	0.6	98
RUPP XRT94-06	94	P250	1,2	19.4	203.3		53.2	0.6	96	19.8	196.3	*	53.6	1.5	99	18.8	221.4		52.9	0.2	91	19.7	192.3		53.2	0.0	99
RUPP XRD97-95	97	P250	1,2	20.1	205.2		53.2	1.3	95	20.3	180.2		53.5	2.8	97	19.7	238.0		52.8	0.8	91	20.2	197.3		53.3	0.2	97
AVERAGE				19.7	206.6		52.4	1.5	96	19.9	187.6		52.4	2.7	98	18.9	236.9		52.4	1.5	94	20.1	195.0		52.5	0.4	97
HIGHEST				22.4	218.2		53.6	5.1	98	23.1	203.5		53.8	10.4	100	22.0	258.5		53.5	12.0	97	22.1	210.4		53.4	1.8	99
LOWEST				17.6	196.4		49.9	0.3	95	18.3	160.8		47.1	0.3	96	15.8	221.4		49.4	0.0	91	18.1	188.2		50.2	0.0	95
CV (%)				4.7	6.9		1.7	462.4	4.0	4.7	8.0		5.6	773.5	3.0	4.8	5.8		1.3	191.9	5.0	4.4	6.3		1.8	703.2	3.0
LSD (5%)				0.4	6.7		0.4	3.0	2.0	0.8	12.3		2.5	7.8	2.0	0.7	10.6		0.6	3.9	4.0	0.7	10.7		0.8	2.6	3.0

** 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

2018				Late - TRIAL AVERAGE					Huron - Late					Mason - Late					Montcalm - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
AgVenture AV5799AM	99	C250	1,2,4	22.4	215.2	51.3	3.4	94	22.0	194.7	52.8	0.9	94	22.5	225.4	49.8	8.3	96	22.7	225.5	51.3	0.9	93
AgVenture AV6302AM	102	C250	1,2,4	23.4	223.1 *	51.0	7.6	96	24.0	192.1	51.8	0.3	97	22.7	239.6 *	49.8	22.2	95	23.5	237.7 *	51.4	0.3	97
BRODBECK 59RA02	102	C500	1,2,3,4	23.4	196.3	50.4	1.7	94	23.2	150.8	52.0	0.0	95	23.0	217.5	48.7	2.7	95	24.0	220.7	50.5	2.4	93
BRODBECK 48PW03E	103	C500	1,2,4	24.4	211.8	49.8	0.6	93	24.4	179.5	51.0	1.2	94	23.9	223.2	48.2	0.3	96	25.0	232.8 *	50.1	0.3	90
CROPLAN 4079VT2P/RIB	99	ACC	1,2	20.0	196.0	52.2	3.9	97	19.7	186.6	53.8	1.2	97	19.2	182.5	51.1	8.9	96	21.2	219.0	51.8	1.5	98
CROPLAN 4079SS/RIB	100	ACC	1,2,3,4	19.8	208.5	52.1	1.0	97	20.0	179.0	53.6	1.1	98	18.6	208.0	50.9	1.2	95	20.9	238.4 *	51.9	0.6	97
DAIRYLAND SEED DS-9599	99	C500	1,2,3,4	21.2	195.2	50.2	6.1	97	21.8	155.0	49.1	0.9	99	19.8	216.4	50.2	17.1	93	21.9	214.3	51.4	0.3	99
DAIRYLAND SEED RPM-4019AM	99		1,2,4	21.9	225.8 *	49.4	0.4	96	21.8	192.5	49.8	0.9	97	21.5	247.6 **	48.7	0.0	95	22.4	237.4 *	49.8	0.3	95
DAIRYLAND SEED DS-7101	101	C500	1,2,4,6	22.8	202.9	50.7	2.8	96	21.5	161.7	50.7	0.0	96	23.4	220.1	50.1	7.1	96	23.4	226.9	51.3	1.2	97
DAIRYLAND SEED RPM-4018AM	101		1,2,4	22.2	222.6 *	51.4	7.1	96	22.0	211.5 **	52.5	0.3	95	21.2	229.3	50.7	20.5	98	23.3	227.1	51.1	0.6	95
DAIRYLAND SEED RPM-4115AM	101		1,2,4	21.0	203.1	51.7	1.5	95	21.7	164.9	52.2	1.8	95	20.1	216.0	51.1	1.2	97	21.3	228.4 *	51.9	1.5	93
DAIRYLAND SEED DS-7603PE	103	C500	1,2,4,6	24.8	208.5	49.7	0.4	96	24.8	166.7	50.5	0.0	94	24.7	227.3	48.5	0.6	96	24.8	231.6 *	50.2	0.6	97
DAIRYLAND SEED EXP-10306	103		1,2,3,4	18.3	188.2	52.8	0.3	97	19.6	162.0	54.4	0.0	99	15.5	206.6	51.9	0.0	97	19.7	196.0	52.1	0.9	96
DAIRYLAND SEED DS-9804RA	104	C500	1,2,3,4,6	23.5	207.8	50.0	2.2	94	23.4	178.9	51.4	1.0	92	23.1	220.8	48.2	3.5	97	24.1	223.7	50.4	2.2	93
DAIRYLAND SEED RPM-4318AM	104		1,2,4	21.5	230.1 **	51.5	0.8	98	21.5	209.3 *	52.0	0.0	98	19.7	241.4 *	51.5	2.0	99	23.3	239.7 *	50.9	0.3	96
DAIRYLAND SEED RPM-4329AM	104		1,2,4	26.3	213.6	49.8	2.2	96	25.2	196.2 *	51.3	0.6	97	26.0	228.3	48.4	0.6	96	27.8	216.2	49.6	5.4	96
DYNAGRO D39DC43	99	P500	1,2	20.4	211.8	50.8	0.0	96	21.1	201.7 *	51.7	0.0	95	18.6	217.8	50.4	0.0	97	21.6	216.0	50.4	0.0	96
LEGACY SEEDS L-3718 VT2P	98	A500	1,2	20.4	206.3	51.9	0.1	95	22.4	179.5	53.1	0.3	97	17.7	217.6	51.4	0.0	92	21.2	221.8	51.3	0.0	97
LEGACY SEEDS L-3816 VT2P	100	A250	1,2	19.5	198.2	50.5	0.7	94	20.2	181.2	51.4	0.6	93	16.8	199.1	49.9	1.5	96	21.5	214.4	50.3	0.0	93
LG SEEDS LG5494VT2RIB	99	P500	1,2,3	19.1	215.9	52.1	0.3	96	19.6	193.1	53.1	0.3	96	17.0	220.7	51.9	0.0	95	20.8	233.8 *	51.2	0.6	97
LG SEEDS LG5505VT2RIB	100	P500	1,2,3	19.2	213.4	53.7	1.1	97	18.4	208.2 *	55.2	0.9	97	18.9	212.6	52.5	1.2	96	20.2	219.5	53.3	1.2	98
MISSION SEED AMP A9826VT2P	98	P250	1,2	18.2	211.5	52.9	0.6	97	18.2	199.1 *	54.7	0.3	99	16.6	209.3	51.2	0.8	98	19.7	226.0	52.8	0.6	94
MISSION SEED AMP A9938VT2P	99	P250	1,2	19.7	209.8	52.5	0.7	96	20.4	183.0	53.0	0.0	97	18.3	233.0 *	52.4	2.1	96	20.4	213.4	52.2	0.0	96
MISSION SEED AMP A6101VT2P	101	P250	1,2	19.9	202.9	53.2	0.2	94	20.1	180.6	54.9	0.0	97	19.4	208.3	51.8	0.0	89	20.2	219.9	52.9	0.6	95
MISSION SEED AMP A0357SS	103	P250	1,2,3,4	22.1	219.5	52.3	0.7	97	21.7	179.1	53.4	0.0	99	22.5	236.1 *	51.2	1.2	96	22.1	243.3 **	52.3	0.9	97
RENK RK579DGVT2P	98	C250	1,2	20.6	209.4	51.9	0.6	96	22.5	179.9	53.5	0.0	99	18.7	212.9	51.0	1.9	91	20.6	235.5 *	51.3	0.0	97
RENK RK593SSTX	99	C500	1,2,3,4	19.9	204.0	52.6	0.3	96	19.3	177.7	54.1	0.0	97	19.6	219.6	51.7	1.0	95	20.7	214.8	52.1	0.0	95
RUPP XRD00-51	100	P250	1,2	20.6	200.9	52.7	0.0	97	20.8	186.5	53.9	0.0	100	20.0	197.3	51.7	0.0	94	21.0	219.0	52.6	0.0	98
RUPP XRD03-07	103	P250	1,2	21.7	219.8	52.1	0.7	92	21.2	209.4 *	52.8	0.0	90	21.7	211.3	51.4	2.2	94	22.2	238.8 *	52.1	0.0	92
SEEDWAY SW4010GENSSRIB	100	C250	1,2,3,4	20.4	198.8	52.2	0.5	93	19.6	178.1	53.3	0.3	91	19.8	199.1	51.7	1.2	96	21.8	219.1	51.5	0.0	93
SUN PRAIRIE SP2272	101	C250		20.8	208.0	53.1	0.9	96	20.6	186.3	54.7	1.5	96	20.6	215.1	51.9	0.0	96	21.3	222.6	52.7	1.2	96
AVERAGE				21.3	209.0	51.6	1.6	96	21.4	184.0	52.6	0.5	96	20.4	218.1	50.6	3.5	95	22.1	224.9	51.4	0.8	95
HIGHEST				26.3	230.1	53.7	7.6	98	25.2	211.5	55.2	1.8	100	26.0	247.6	52.5	22.2	99	27.8	243.3	53.3	5.4	99
LOWEST				18.2	188.2	49.4	0.0	92	18.2	150.8	49.1	0.0	90	15.5	182.5	48.2	0.0	89	19.7	196.0	49.6	0.0	90
CV (%)				4.5	6.5	1.7	400.2	3.0	5.1	7.4	1.8	260.5	3.0	5.3	5.7	1.8	306.8	4.0	3.1	6.1	1.4	229.2	3.0
LSD (5%)				0.7	9.1	0.6	4.3	2.0	1.3	16.1	1.1	1.4	4.0	1.3	14.6	1.1	12.7	4.0	0.8	16.1	0.8	2.1	3.0

2 Year Averages 2018 - 2017				Late - TRIAL AVERAGE					Huron - Late					Mason - Late					Montcalm - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
CROPLAN 4079SS/RIB	100	ACC	1,2,3,4	21.0	213.6 *	51.7	2.1	95	20.5	195.7 *	52.7	5.1	98	20.2	232.6 *	51.2	0.9	89	22.4	212.5 *	51.1	0.3	97
DAIRYLAND SEED DS-9599	99	C500	1,2,3,4	21.9	203.2	50.7	3.8	97	22.0	174.2	50.3	2.2	98	21.4	230.3	51.3	8.6	95	22.4	205.1 *	50.6	0.6	98
DAIRYLAND SEED RPM-4018AM	101		1,2,4	23.5	214.6 *	51.6	4.7	95	24.8	199.1 *	51.8	1.6	95	22.0	241.6 *	51.5	12.1	94	23.7	203.0 *	51.5	0.3	95
DAIRYLAND SEED RPM-4115AM	101		1,2,4	22.2	208.3	52.3	1.9	91	23.0	183.7	52.1	2.2	93	21.1	227.5	52.3	2.2	85	22.4	213.6 **	52.4	1.2	95
DYNAGRO D39DC43	99	P500	1,2	22.0	215.8 **	51.1	0.7	97	22.3	200.7 *	51.6	2.1	97	20.9	242.4 **	50.8	0.0	96	22.9	204.2 *	50.8	0.0	97

MISSION SEED AMP A9826VT2P	98	P250	1,2	19.9	215.1 *	52.6	0.7	97	19.9	201.0 **	53.8	1.4	99	19.0	233.6 *	51.7	0.4	96	20.9	210.7 *	52.4	0.3	95
MISSION SEED AMP A6101VT2P	101	P250	1,2	21.5	209.6 *	52.5	0.2	92	22.3	193.6 *	53.4	0.3	95	20.7	229.6	51.9	0.0	89	21.6	205.6 *	52.3	0.3	92
RUPP XRD00-51	100	P250	1,2	21.6	206.5	52.9	0.3	98	21.7	196.7 *	53.4	0.3	100	20.5	217.9	52.6	0.6	95	22.5	205.0 *	52.7	0.0	98
AVERAGE				21.7	210.8	51.9	1.8	95	22.1	193.1	52.4	1.9	97	20.7	231.9	51.7	3.1	92	22.4	207.4	51.7	0.4	96
HIGHEST				23.5	215.8	52.9	4.7	98	24.8	201.0	53.8	5.1	100	22.0	242.4	52.6	12.1	96	23.7	213.6	52.7	1.2	98
LOWEST				19.9	203.2	50.7	0.2	91	19.9	174.2	50.3	0.3	93	19.0	217.9	50.8	0.0	85	20.9	203.0	50.6	0.0	92
CV (%)				4.8	6.5	1.6	316.1	6.0	5.1	7.0	1.5	319.3	3.0	4.9	6.3	1.6	255.7	10.0	4.5	6.0	1.7	286.7	4.0
LSD (5%)				0.5	6.5	0.4	2.4	3.0	0.9	10.8	0.7	2.7	2.0	0.8	11.8	0.7	6.4	8.0	0.8	10.8	0.7	1.6	3.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

CODE 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 4E. IOSCO, OSCEOLA & PRESQUE ISLE COUNTY GRAIN TRIALS - EARLY (92 Day and Earlier) ZONE 4

2018				TRIAL AVERAGE					Iosco - Early					Osceola - Early					Presque Isle - 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
DAIRYLAND SEED DS-9686	86	C500	1,2,3,4	19.9	167.3	54.5	8.0	97	19.3	188.5	56.1	14.7	99	20.5	146.0	52.9	1.2	94					
DAIRYLAND SEED RPM-2918AM	86		1,2,4	19.5	151.8	53.3	16.6	94	18.7	157.2	54.9	23.2	92	20.2	146.3	51.7	10.0	96	Location Dropped				
DYNAGRO D27VC87	87	P500	1,2	20.9	170.5	54.2	4.5	97	18.8	197.0	55.3	8.2	97	22.9	144.0	53.1	0.8	97					
LEGACY SEEDS L-2817VT2P	86	A250	1,2	20.2	183.3 *	54.6	5.5	98	18.5	192.1	55.5	10.2	97	21.8	174.4 *	53.7	0.8	99					
LEGACY SEEDS L-2847 VT2P	88	A250	1,2	20.8	187.1 *	53.8	0.2	93	19.5	198.4 *	54.7	0.3	91	22.0	175.8 **	52.8	0.0	95					
LEGACY SEEDS L-2937 3120	89	C250	1,2,4,6	22.6	184.0 *	52.6	0.3	95	20.6	215.9 **	53.6	0.6	94	24.6	152.1	51.5	0.0	95					
LEGEND 40J684 RR	84	C250	1	21.0	163.6	55.7	12.7	95	19.7	164.4	57.2	23.0	92	22.3	162.8 *	54.1	2.3	97					
LEGEND EXP-9986 VT2PRIB	86	C250	1,2,3,4	20.9	172.6	53.4	2.1	96	19.0	185.4	54.5	4.2	91	22.7	159.8 *	52.3	0.0	101					
LG SEEDS LG5370VT2RIB	84	P500	1,2,3	20.0	179.3 *	54.8	0.8	99	19.0	194.0	55.6	1.2	98	20.9	164.5 *	54.0	0.4	99					
LG SEEDS LG5375VT2RIB	85	P500	1,2,3	19.9	170.5	55.3	3.7	95	18.2	175.4	56.7	6.2	95	21.5	165.5 *	53.8	1.2	95					
LG SEEDS LG38C18VT2RIB	88	P500	1,2,3	19.9	166.3	53.7	4.1	93	18.4	184.9	54.9	7.7	93	21.4	147.6	52.4	0.4	93					
M&W SEEDS 48R11	87	P250	1,2	20.2	192.5 **	53.6	2.4	101	18.8	211.1 *	55.0	4.1	99	21.6	173.9 *	52.2	0.7	103					
AVERAGE				20.5	174.1	54.1	5.1	96	19.0	188.7	55.3	8.6	95	21.9	159.4	52.9	1.5	97					
HIGHEST				22.6	192.5	55.7	16.6	101	20.6	215.9	57.2	23.2	99	24.6	175.8	54.1	10.0	103					
LOWEST				19.5	151.8	52.6	0.2	93	18.2	157.2	53.6	0.3	91	20.2	144.0	51.5	0.0	93					
CV (%)				3.9	9.4	1.6	136.1	4	2.7	8.1	1.4	102.4	3	4.3	10.4	1.7	276.0	4					
LSD (5%)				0.7	13.5	0.7	5.7	3	0.6	18.3	1.0	10.6	4	1.3	19.9	1.3	5.8	5					

2 Year Averages 2018 - 2017				TRIAL AVERAGE					Iosco - Early					Osceola - Early					Presque Isle - 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
DAIRYLAND SEED DS-9686	86	C500	1,2,3,4	18.9	180.3 **	54.3	8.3	97	19.4	203.6 **	55.0	9.2	99	18.3	156.9	53.5	7.4	94					
LEGEND 40J684 RR	84	C250	1	20.5	179.3 *	55.1	15.9	96	20.8	187.4	55.7	13.6	95	20.2	171.1 *	54.4	18.2	97					
LG SEEDS LG5375VT2RIB	85	P500	1,2,3	19.3	180.0 *	54.9	2.9	97	19.5	186.0	55.5	4.8	97	19.0	173.9 **	54.3	0.9	96					
AVERAGE				19.6	179.9	54.8	9.0	97	19.9	192.3 *	55.4	9.0	97	19.2	167.3	54.1	9.0	96					
HIGHEST				20.5	180.3	55.1	15.9	97	20.8	203.6 **	55.7	14.0	99	20.2	173.9	54.4	18.0	97					
LOWEST				18.9	179.3	54.3	2.9	96	19.4	186.0	55.0	5.0	95	18.3	156.9	53.5	1.0	94					
CV (%)				4.8	8.4	1.5	170.2	4	3.9	7.7	1.4	154.0	3	5.3	9.5	1.7	210.0	4					
LSD (5%)				0.5	8.0	0.4	5.0	2	0.6	12.2	0.6	10.0	2	1.0	12.8	0.8	8.0	3					

TABLE 4L. IOSCO, OSCEOLA & PRESQUE ISLE COUNTY GRAIN TRIALS - LATE (96 Day and Earlier) ZONE 4

2018				TRIAL AVERAGE					Iosco - Late					Osceola - Late					Presque Isle - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DAIRYLAND SEED DS-7294A	94	C500	1,2,4,6	25.3	208.8 **	52.1	4.6	95	22.5	220.2 **	52.9	5.1	95	28.1	197.3 *	51.2	4.0	94					
DAIRYLAND SEED RPM-3518AM	96		1,2,4	23.6	177.6	52.7	6.5	96	21.3	181.1	53.1	6.9	97	25.9	174.0	52.2	6.1	95	Location Dropped				
DAIRYLAND SEED RPM-3519AM	96		1,2,4	23.4	194.8 *	54.5	4.6	95	21.1	204.6 *	55.2	3.6	95	25.7	184.9 *	53.7	5.5	95					
DYNAGRO D34VC54	94	P500	1,2	23.3	200.6 *	51.8	8.3	96	20.8	199.6	52.5	8.6	97	25.8	201.6 **	51.1	8.0	95					
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	24.8	192.4	51.6	1.9	94	21.8	215.8 *	52.0	3.3	97	27.8	169.0	51.1	0.4	90					
LEGACY SEEDS L-3017 VT2P	90	A250	1,2	23.1	185.2	52.7	6.9	94	20.8	186.1	53.8	2.9	97	25.3	184.3 *	51.5	10.8	90					
LEGACY SEEDS L-3117 VT2P	91	A250	1,2	21.9	184.6	52.6	1.6	93	19.5	194.1	53.4	1.8	95	24.2	175.1	51.7	1.4	91					
LEGEND 9891 VT2PRIB	91	C250	1,2	22.8	187.0	52.7	3.2	94	20.9	212.1 *	53.5	1.9	94	24.7	161.9	51.9	4.4	93					
LG SEEDS LG5410VT2RIB	91	P500	1,2,3	22.5	196.6 *	52.5	1.7	93	19.8	216.4 *	53.4	1.2	98	25.2	176.8	51.6	2.2	88					
LG SEEDS LG5415VT2RIB	93	P500	1,2,3	21.6	181.0	52.6	7.1	93	19.0	196.4	53.8	5.9	96	24.1	165.5	51.4	8.3	90					
LG SEEDS LG44C27VT2PRO	94	P500	1,2,3	22.9	199.2 *	52.4	4.1	96	19.8	209.4 *	53.4	2.9	97	26.0	188.9 *	51.4	5.2	95					
LG SEEDS LG44C34-3110	94	P500	1,2,4,6	23.6	196.0 *	51.7	2.6	93	21.7	219.9 *	52.6	1.2	96	25.4	172.0	50.8	4.0	90					
M&W SEEDS 47P61	90	P250	1,2	23.5	192.9	52.8	0.6	97	21.3	210.4 *	53.3	0.0	96	25.7	175.3	52.3	1.2	97					
M&W SEEDS 46R52	95	P250	1,2,4,6	24.0	204.4 *	52.9	2.2	99	22.4	213.7 *	53.0	2.3	100	25.6	195.0 *	52.7	2.1	97					
AVERAGE				23.3	192.9	52.5	4.0	95	20.9	205.7	53.3	3.4	96	25.7	180.1	51.8	4.5	93					
HIGHEST				25.3	208.8	54.5	8.3	99	22.5	220.2	55.2	8.6	100	28.1	201.6	53.7	10.8	97					
LOWEST				21.6	177.6	51.6	0.6	93	19.0	181.1	52.0	0.0	94	24.1	161.9	50.8	0.4	88					
CV (%)				4.7	9.0	1.2	128.8	5	3.3	7.3	1.0	116.5	3	5.5	9.3	1.4	133.3	6					
LSD (5%)				0.9	14.4	0.5	4.2	4	0.8	17.9	0.6	4.7	3	1.7	19.9	0.9	7.2	7					

2 Year Averages 2018 - 2017				TRIAL AVERAGE					Iosco - Late					Osceola - Late					Presque Isle - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
DYNAGRO D34VC54	94	P500	1,2	22.1	209.3 **	51.5	6.0	98	22.4	219.0 **	51.7	6.8	99	21.8	199.6 **	51.3	5.1	97					
LEGACY SEEDS L-3017 VT2P	90	A250	1,2	21.3	192.4	52.4	4.2	95	22.3	201.9	52.5	2.9	98	20.2	182.8	52.2	5.5	92					
LEGEND 9891 VT2PRIB	91	C250	1,2	20.8	194.1	52.3	5.1	96	21.8	216.4 *	52.8	6.4	97	19.8	171.7	51.8	3.8	95					
LG SEEDS LG5410VT2RIB	91	P500	1,2,3	21.1	193.6	52.2	2.9	96	21.5	203.4	52.2	4.7	99	20.6	183.8	52.1	1.1	93					
LG SEEDS LG5415VT2RIB	93	P500	1,2,3	20.1	182.5	52.5	6.5	97	20.4	203.2	53.1	7.3	98	19.8	161.8	51.8	5.7	95					
AVERAGE				21.1	194.4	52.2	4.9	96	21.7	208.8	52.5	5.6	98	20.5	179.9	51.8	4.2	95					
HIGHEST				22.1	209.3	52.5	6.5	98	22.4	219.0	53.1	7.3	99	21.8	199.6	52.2	5.7	97					
LOWEST				20.1	182.5	51.5	2.9	95	20.4	201.9	51.7	2.9	97	19.8	161.8	51.3	1.1	92					
CV (%)				4.8	7.8	1.4	238.0	4	3.8	7.0	1.2	236.3	3	5.7	8.6	1.6	245.4	5					
LSD (5%)				0.6	8.2	0.4	4.7	2	0.7	12.1	0.5	8.6	2	1.1	12.9	0.7	7.7	4					

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 5E. INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - EARLY (101 Day and Earlier) ZONE 2 - 3

2018				Early - TRIAL AVERAGE					Ingham - Early					Montcalm - Early					Saginaw - 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
BLUE RIVER 38G54	96	MXL	CONV	19.9	204.8	51.3	3.1	96						20.6	205.5	51.1	3.6	93	19.2	204.1	51.5	2.6	98
DYNAGRO D39CC43	99	P500	CONV	19.6	221.7 *	50.5	1.8	98		Locatin Dropped				19.2	221.9 *	50.7	1.8	97	19.9	221.4 *	50.3	1.8	98
LEGACY SEEDS L-3547	95	CM250	CONV	19.4	199.2	51.5	4.5	96						19.3	194.8	52.1	7.2	95	19.4	203.5	50.9	1.8	96
LEGACY SEEDS L-3712	96	CM250	CONV	18.1	210.9	52.2	2.1	99						18.8	212.3 *	53.2	2.9	99	17.4	209.5 *	51.2	1.2	99
LG SEEDS LG5427	95	P500	CONV	18.1	210.5	52.2	2.5	98						18.3	208.6	53.1	2.7	97	17.9	212.3 *	51.2	2.3	99
LG SEEDS LG5470	98	P500	CONV	19.1	221.2 *	51.3	2.8	99						19.0	221.5 *	51.8	3.2	98	19.2	220.8 *	50.7	2.3	99
M&W SEEDS 47J64	94	P250	CONV	17.8	217.7 *	52.6	0.2	99						17.8	221.0 *	53.4	0.3	98	17.7	214.4 *	51.7	0.0	99
M&W SEEDS 47R22	94	P250	CONV	19.1	207.6	53.7	3.3	96						19.4	216.5 *	54.7	3.1	93	18.7	198.6	52.7	3.5	98
M&W SEEDS 46L41	96	P250	CONV	18.4	208.2	52.7	2.1	91						17.9	211.9 *	52.7	1.7	86	18.8	204.5	52.6	2.4	96
M&W SEEDS 45P33	100	P250	CONV	18.9	216.6 *	50.0	0.6	97						19.3	225.7 *	51.2	0.3	97	18.4	207.4	48.7	0.9	97
M&W SEEDS 45R05	100	P250	CONV	22.9	226.4 **	52.5	4.5	93						22.7	230.0 **	52.4	4.9	88	23.0	222.7 **	52.5	4.1	98
M&W SEEDS 45A37	101	P250	CONV	20.6	212.7	51.0	2.4	96						19.8	214.2 *	51.8	3.2	97	21.4	211.2 *	50.2	1.5	95
RUPP XRA94-16	94	C250	CONV	18.3	198.5	52.5	2.8	97						18.6	191.2	53.0	1.8	95	17.9	205.8	51.9	3.7	98
RUPP XRA99-20	99	C250	CONV	18.5	217.0 *	53.0	2.4	98						18.4	222.7 *	53.5	1.8	96	18.5	211.3 *	52.4	2.9	99
RUPP XRA00-21	100	C250	CONV	20.9	204.8	51.6	4.8	87						21.0	198.4	52.2	6.9	80	20.8	211.1 *	50.9	2.7	94
VIKING O.84-95UP	95	C250	CONV	17.9	199.7	52.3	1.4	95						18.0	195.7	53.2	0.6	96	17.7	203.6	51.3	2.1	94
VIKING O.98-98P	98	C250	CONV	19.6	217.3 *	51.6	3.0	93						20.0	223.4 *	51.8	1.0	87	19.2	211.2 *	51.3	5.0	98
VIKING O.79-00	100		CONV	20.1	200.7	49.0	2.7	88						21.1	197.3	48.7	2.9	81	19.1	204.0	49.3	2.4	95
AVERAGE				19.3	210.9	51.8	2.6	95						19.4	211.8	52.2	2.8	93	19.1	209.9	51.2	2.4	97
HIGHEST				22.9	226.4	53.7	4.8	99						22.7	230.0	54.7	7.2	99	23.0	222.7	52.7	5.0	99
LOWEST				17.8	198.5	49.0	0.2	87						17.8	191.2	48.7	0.3	80	17.4	198.6	48.7	0.0	94
CV (%)				4.7	6.8	1.7	104.7	7.0						4.3	7.6	1.4	113.6	11.0	5.0	5.8	2.0	93.0	2.0
LSD (5%)				0.8	11.8	0.7	2.2	5.0						1.0	19.2	0.8	3.7	12.0	1.1	14.4	1.2	2.6	2.0

2 Year Averages 2018 - 2017				Early - TRIAL AVERAGE					Ingham - Early					Montcalm - Early					Saginaw - 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
BLUE RIVER 38G54	96	MXL	CONV	19.2	199.0 *	51.7	1.6	97						20.9	199.5 *	51.0	1.8	96	17.4	198.5 *	52.4	1.3	98
LG SEEDS LG5470	98	P500	CONV	19.0	202.1 **	52.0	1.7	100						20.6	204.1 **	51.7	2.0	99	17.3	200.1 **	52.2	1.3	100
M&W SEEDS 47J64	94	P250	CONV	17.7	201.4 *	53.0	0.4	98						18.9	203.2 *	53.2	0.1	96	16.5	199.5 *	52.8	0.6	99
M&W SEEDS 46L41	96	P250	CONV	18.9	198.2 *	52.9	1.3	95						19.8	199.3 *	52.6	1.4	92	17.9	197.0 *	53.2	1.2	98
M&W SEEDS 45A37	101	P250	CONV	20.1	198.4 *	52.0	1.4	96						20.8	202.9 *	51.9	1.9	96	19.4	193.8 *	52.0	0.9	96
VIKING O.84-95UP	95	C250	CONV	18.1	189.7	53.3	0.8	96						19.0	192.7 *	53.5	0.3	96	17.2	186.7	53.0	1.3	96
VIKING O.79-00	100		CONV	20.3	187.6	49.2	1.4	94						22.8	192.8 *	48.4	1.6	90	17.7	182.3	50.0	1.2	97
AVERAGE				19.0	196.6	52.0	1.2	97						20.4	199.2	51.8	1.3	95	17.6	194.0	52.2	1.1	98
HIGHEST				20.3	202.1	53.3	1.7	100						22.8	204.1	53.5	2.0	99	19.4	200.1	53.2	1.3	100
LOWEST				17.7	187.6	49.2	0.4	94						18.9	192.7	48.4	0.1	90	16.5	182.3	50.0	0.6	96
CV (%)				5.8	7.7	1.8	151.4	6.0						4.7	6.8	1.5	117.5	8.0	5.7	6.4	1.7	95.6	2.0
LSD (5%)				0.6	8.4	0.5	1.7	3.0						0.8	11.6	0.6	2.2	6.0	0.9	11.6	0.8	1.6	2.0

TABLE 5L. INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - LATE (102 Day and Later) ZONE 2 - 3

2018				Late - TRIAL AVERAGE					Ingham - Late					Montcalm - Late					Saginaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BLUE RIVER 48G35	102	MXL	CONV	23.6	198.1	50.4	3.6	94						25.3	178.0	49.8	5.7	93	21.9	218.1 *	50.9	1.5	95
BLUE RIVER 51T59	103	MXL	CONV	22.7	209.6	51.0	3.6	96						23.5	196.8	50.9	3.7	94	21.9	222.4 *	51.1	3.5	98
LG SEEDS LG5499	102	P500	CONV	20.5	218.1 *	51.4	3.8	98						21.4	211.6 *	52.1	4.7	98	19.6	224.5 *	50.6	2.9	98
LG SEEDS LG5565	105	P500	CONV	22.4	230.2 **	51.2	0.0	97											22.4	230.2 **	51.2	0.0	97
M&W SEEDS 45M43	103	P250	CONV	21.8	209.8	52.0	2.6	96						23.1	194.6	52.2	3.0	95	20.4	224.9 *	51.7	2.1	96
M&W SEEDS 45M79	103	P250	CONV	19.8	198.5	50.3	5.7	98						21.1	198.0	51.0	8.8	98	18.5	199.0	49.6	2.6	98
M&W SEEDS 44P85	104	P250	CONV	21.5	225.8 *	51.0	3.9	97						22.6	226.8 **	51.3	5.0	97	20.4	224.8 *	50.7	2.7	96
M&W SEEDS 44M87	108	P250	CONV	26.1	212.2	50.6	3.8	97						27.8	209.2 *	50.8	3.8	96	24.3	215.2	50.3	3.8	97
MASTERS CHOICE MCT-5790	107	MCM	CONV	25.8	193.9	51.0	8.4	89						26.6	182.6	50.4	5.4	87	24.9	205.1	51.5	11.3	90
RUPP XRA02-20	102	C250	CONV	21.6	209.8	51.5	3.4	97						22.8	198.8	51.6	4.7	97	20.4	220.8 *	51.3	2.1	96
VIKING 55-02	102	C250	CONV	23.6	217.4 *	52.0	3.4	97						24.5	219.9 *	52.0	5.3	97	22.7	214.9	51.9	1.5	97
VIKING 51-04GS	104	C250	CONV	24.1	204.3	50.1	8.3	97						25.0	197.2	49.9	2.6	96	23.2	211.4	50.3	14.0	98
WELLMAN W2408	108		CONV	23.2	222.9 *	50.7	3.0	98						23.6	215.7 *	51.6	3.2	96	22.8	230.1 *	49.7	2.8	100
WELLMAN W2708	108		CONV	24.7	201.5	48.9	5.2	95						25.0	189.4	49.4	5.3	95	24.4	213.6	48.4	5.1	95
AVERAGE				23.0	210.9	50.9	4.2	96						24.0	201.4	51.0	4.7	95	22.0	218.2	50.7	4.0	97
HIGHEST				26.1	230.2	52.0	8.4	98						27.8	226.8	52.2	8.8	98	24.9	230.2	51.9	14.0	100
LOWEST				19.8	193.9	48.9	0.0	89						21.1	178.0	49.4	2.6	87	18.5	199.0	48.4	0.0	90
CV (%)				4.8	7.7	1.9	152.5	3.0						5.1	8.5	1.6	145.5	2.0	3.7	5.4	1.4	197.8	2.0
LSD (5%)				0.9	13.5	0.8	5.3	2.0						1.5	20.5	1.0	14.5	3.0	1.0	14.0	0.9	9.4	3.0

2 Year Averages 2018 - 2017				Late - TRIAL AVERAGE					Ingham - Late					Montcalm - Late					Saginaw - Late				
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
BLUE RIVER 48G35	102	MXL	CONV	23.1	186.1	50.7	2.2	95						25.6	173.7	49.8	3.3	95	20.6	198.5	51.5	1.0	95
BLUE RIVER 51T59	103	MXL	CONV	22.6	197.8	51.2	1.8	96						24.0	185.7 *	51.1	1.8	93	21.2	209.9	51.3	1.8	99
LG SEEDS LG5499	102	P500	CONV	21.6	199.7	51.5	2.4	96						23.8	181.1	51.1	2.8	93	19.4	218.3	51.8	2.0	99
LG SEEDS LG5565	105	P500	CONV	21.7	229.8 **	52.7	0.7	98											21.7	229.8 **	52.7	0.7	98
M&W SEEDS 45M43	103	P250	CONV	21.8	204.4	52.2	1.3	95						23.9	192.4 *	51.5	1.5	95	19.7	216.3	52.8	1.0	95
M&W SEEDS 44M87	108	P250	CONV	25.6	204.6	51.5	2.1	95						27.6	197.0 **	51.2	2.3	91	23.6	212.2	51.7	1.9	98
WELLMAN W2708	108		CONV	24.1	199.9	50.7	3.2	95						25.0	187.2 *	50.5	3.7	92	23.1	212.5	50.9	2.6	97
AVERAGE				22.9	203.2	51.5	2.0	96						25.0	186.2	50.9	2.6	93	21.3	213.9	51.8	1.6	97
HIGHEST				25.6	229.8	52.7	3.2	98						27.6	197.0	51.5	3.7	95	23.6	229.8	52.8	2.6	99
LOWEST				21.6	186.1	50.7	0.7	95						23.8	173.7	49.8	1.5	91	19.4	198.5	50.9	0.7	95
CV (%)				5.8	7.6	2.0	160.4	4.0						5.3	7.7	2.0	251.6	4.0	4.8	5.7	1.5	212.8	2.0
LSD (5%)				0.8	9.0	0.6	2.8	2.0						1.1	12.4	0.8	7.2	3.0	0.9	10.1	0.6	5.0	2.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

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

2 Year Averages 2018 - 2017				Early - TRIAL AVERAGE					Allegan - Early					Ingham - Early					Saginaw - 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
AgVenture AV5096AM	96	C250	1,2,4	19.0	229.1 *	52.1	0.1	95	17.5	248.6 *	52.8	0.0	94	21.3	223.4	51.0	0.1	95	18.3	215.3 *	52.4	0.3	97
CHANNEL 197-66 VT2PRIB	97	A250	1,2	18.5	217.1	54.4	0.2	96	17.3	236.3	55.9	0.1	94	19.9	205.3	53.9	0.0	96	18.4	209.8 *	53.4	0.4	99
CROPLAN 3399VT2P/RIB	93	ACC	1,2,3,4	18.0	214.1	54.7	0.1	96	16.9	231.3	56.5	0.3	94	19.4	211.8	53.7	0.0	96	17.6	199.2	53.9	0.0	99
CROPLAN 3499VT3P/RIB	94	ACC	1,2,3	18.0	215.9	54.7	0.1	97	16.6	225.9	56.7	0.3	96	19.2	214.1	54.2	0.0	98	18.3	207.7	53.3	0.1	98
CROPLAN 3575VT2P/RIB	95	ACC	1,2	17.4	222.7	55.3	0.2	96	16.0	240.6	57.1	0.5	94	18.9	209.1	54.4	0.0	96	17.2	218.4 *	54.5	0.2	98
CROPLAN 3899VT2P/RIB	96	ACC	1,2	18.9	225.4	53.6	0.1	96	17.5	240.0	55.7	0.3	92	20.1	217.0	52.9	0.0	97	19.0	219.2 *	52.3	0.0	98
CROPLAN 3795VT2P/RIB	97	ACC	1,2	18.1	228.4 *	54.9	0.3	97	16.8	243.1 *	56.9	0.3	96	19.6	241.1 **	54.3	0.0	98	17.9	201.0	53.4	0.6	98
CROPLAN 4079SS/RIB	100	ACC	1,2,3,4	18.7	225.3	53.7	0.6	97	18.0	233.9	55.1	0.1	94	19.9	222.3	52.8	0.0	97	18.3	219.7 **	53.1	1.7	99
DAIRYLAND SEED RPM-3715AM	96		1,2,4	18.7	232.3 **	52.1	0.1	94	17.6	251.3 **	53.3	0.0	91	19.6	228.4	51.3	0.3	93	18.8	217.1 *	51.6	0.0	98
DAIRYLAND SEED DS-9599	99	C500	1,2,3,4	19.1	224.4	53.3	0.1	96	18.2	238.9	55.2	0.2	94	20.1	220.8	52.3	0.1	95	19.0	213.4 *	52.3	0.0	99
DAIRYLAND SEED RPM-4018AM	101		1,2,4	19.6	228.4 *	53.3	0.4	93	18.3	251.0 *	54.5	0.7	89	21.2	220.3	52.6	0.3	95	19.2	213.9 *	52.7	0.2	95
DAIRYLAND SEED RPM-4115AM	101		1,2,4	18.7	221.1	54.7	0.2	92	17.9	235.3	55.8	0.4	86	20.0	222.0	54.0	0.3	94	18.3	206.0	54.4	0.0	97
DYNAGRO D39DC43	99	P500	1,2	18.9	226.0 *	52.5	0.4	97	17.7	249.5 *	54.8	0.0	95	20.9	221.4	51.4	0.0	98	18.0	207.0	51.3	1.1	98
MISSION SEED AMP A9826VT2P	98	P250	1,2	17.7	224.0	54.6	0.1	95	16.9	235.9	55.8	0.0	93	18.7	224.6	54.1	0.0	94	17.6	211.4 *	53.8	0.3	98
MISSION SEED AMP A6101VT2P	101	P250	1,2	19.0	220.5	54.3	0.0	93	17.9	223.6	55.9	0.0	90	20.0	221.8	53.6	0.0	93	19.1	216.2 *	53.3	0.0	95
RENK RK608DGVT2P	100	C250	1,2	19.0	222.8	52.8	0.1	92	17.7	242.1 *	54.9	0.0	91	20.4	217.6	52.2	0.0	93	18.9	208.8 *	51.4	0.3	93
RUPP XRT94-06	94	P250	1,2	18.1	221.1	54.5	0.2	97	16.9	235.4	56.5	0.3	96	19.5	221.5	53.6	0.3	97	17.9	206.3	53.3	0.0	98
RUPP XRD97-95	97	P250	1,2	17.9	227.4 *	54.8	0.3	96	16.8	243.0 *	56.7	0.1	92	19.5	230.6 *	53.8	0.4	97	17.4	208.5	53.8	0.3	98
RUPP XRD00-51	100	P250	1,2	18.8	210.0	54.6	0.0	97	17.6	230.2	56.4	0.0	94	19.7	203.2	54.1	0.0	98	19.0	196.5	53.3	0.1	99
SEED CONSULTANTS SCS 1018YHR	101	C250	1,2,4	19.2	230.5 *	53.3	0.6	96	18.5	250.0 *	54.4	1.5	92	20.9	229.5 *	52.7	0.4	98	18.3	212.0 *	52.9	0.0	98
SPECIALTY 26A236	96	P500	1,2,3,4	18.3	227.0 *	54.0	0.1	96	17.2	239.2	55.4	0.4	93	19.3	230.0 *	53.3	0.0	98	18.3	211.8 *	53.4	0.0	98
SPECIALTY 30A307	100	P500	1,2,3,4	20.1	223.2	54.1	0.0	97	18.9	241.0 *	55.5	0.0	96	21.2	216.1	53.4	0.1	97	20.3	212.5 *	53.3	0.0	99
AVERAGE				18.6	223.5	53.9	0.2	96	17.5	239.4	55.5	0.3	93	20.0	220.5	53.2	0.1	96	18.4	210.5	53.0	0.3	98
HIGHEST				20.1	232.3	55.3	0.6	97	18.9	251.3	57.1	1.5	96	21.3	241.1	54.4	0.4	98	20.3	219.7	54.5	1.7	99
LOWEST				17.4	210.0	52.1	0.0	92	16.0	223.6	52.8	0.0	86	18.7	203.2	51.0	0.0	93	17.2	196.5	51.3	0.0	93
CV (%)				4.2	6.2	1.4	518.6	4.0	3.6	5.5	1.4	525.3	5.0	4.2	7.0	1.3	559.6	4.0	4.7	6.2	1.6	454.7	3.0
LSD (5%)				0.4	6.5	0.4	0.5	2.0	0.5	10.5	0.6	1.0	4.0	0.7	12.3	0.6	0.5	3.0	0.7	11.1	0.7	1.0	2.0

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE B. AGRONOMIC TABLE FOR GRAIN TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	WASHTENAW	DROPPED	2018	Extended rain	events,	too wet	to plant
	BRANCH	May 29	Nov 8	Corn	33,264	31,767	190-9-3
	CASS	May 9	Oct 22	Corn	33,264	31,434	245-9-3
Zone 2	ALLEGAN	May 18	Oct 19	Soybeans	33,264	29,938	160-9-3 plus manure
	INGHAM	May 27	Oct 27	Soybeans	33,264	31,933	195-9-3
	INGHAM CONV.	DROPPED	2018	Drought	conditions,	poor quality	stand
	SAGINAW & CONV.	May 30	Nov 14	Soybeans	33,264	31,933	160-9-3
Zone 3	HURON	May 16	Oct 23	Corn	33,264	32,100	160-9-3 plus manure
	MONTCALM & CONV.	May 18	Nov 2	Corn	33,264	31,518	160-9-3
	MASON	May 23	Oct 24	Soybeans	33,264	31,434	160-9-3 plus manure
Zone 4	IOSCO	May 17	Oct 30	Corn	33,264	31,767	160-9-3 plus manure
	OSCEOLA	May 23	Nov 1	Black beans	33,264	31,601	160-9-3 plus manure
	PRESQUE ISLE	DROPPED	2018	Drought	conditions,	poor plant	development

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	WASHTENAW	DROPPED		Talladay Farms Matthew Talladay	Milan
	BRANCH	Oshtemo sandy loam	pH 6.2, P89 K 110	Huff Farms Kyle Huff	Coldwater
	CASS	Kalamazoo loam	pH 6.4, P25 K 198	Brossman's Farm George Brossman	Vandalia
Zone 2	ALLEGAN	Ockley loam	pH 6.1, P95 K 170	Schipper Farms Jim & John Schipper	Martin
	INGHAM	Conover loam	pH 7, P 35 K 192	Jorgensen Farms Jerry Jorgensen & Mike Turner	Williamston
	INGHAM CONV.	DROPPED		Plant, Soil & Microbial Sciences Research Facility, MSU	Lansing
	SAGINAW & CONV.	Conover loam 61% Brookston loam 39%	pH 6.75, P 47 K 219	Fred Gross Farms Peggy Gross & Dick Birchmeier	New Lothrop
Zone 3	HURON & CONV.	Shebeon cobbley loam 69% Shebeon loam 31%	pH 7.9, P77.5 K 236	Wil-Le Farms Ron, Ed and Chris McCrea	Bad Axe
	MONTCALM	McBride and Isabella sandy loams 100%	pH 5.95, P 96 K 198	Karnatz Farms Scott Karnatz	Greenville
	MASON	Ithica-Arkona complex 98%	pH 6.6, P 47 K 121	Robert Oshe Jacob Zwagerman	Scottville
Zone 4	IOSCO	Kawkawlin sandy loam 100%	pH 7.2, P 40 K 194	Double B Dairy Jeremy, Tim and Roger Beebe	Hale
	OSCEOLA	McBride sandy loam 80% Onekama loam/Saginaw lobe	pH 6.5, P 77 k 156	Pine Crest Dairy Farm John Bode	Cadillac
	PRESQUE ISLE	DROPPED		Ponik Farms Paul Ponik	Posen

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 4E/4L
Iosco
Osceola
Presque Isle
Trial Average

CONVENTIONAL TRIAL
Tables 5E/5L
Ingham - Zone 2
Montcalm - Zone 3
Saginaw - Zone 2
Trial Average

BRAND / HYBRID	RM	TABLE
AGRIGOLD		
A628-20VT2RIB	98	2E
A629-22STXRIB	99	2E
~A633-94STX	103	2L
A635-54VT2RIB	105	1E,2L
A637-55VT2PRO	107	1E
~A639-40VT2RIB	109	1L
A641-78STXRIB	111	1L
AgVenture		
AV4994AM	94	2E,3E
AV5096AM	96	2E,3E
AV5799AM	99	2E,3L
AV6302AM	102	2L,3L
BLUE RIVER		
38G54	96	5E
48G35	102	5L
~51T59	103	5L
BRODBECK		
59RA02	102	2L,3L
48PW03E	103	2L,3L
48PW09E	109	1L,2L
46RA05	112	1L,2L
CHANNEL		
192-08 VT2PRIB	92	2E
195-18 VT2PRIB	95	2E
196-40 STXRIB	96	1E
197-66 VT2PRIB	97	2E
197-68 STXRIB	97	1E
201-28 VT2PRIB	101	2E
203-01 STXRIB	103	1E
203-01 VT2PRIB	103	2L
207-27 STXRIB	107	1E
207-27 VT2PRIB	107	2L
209-15 STXRIB	109	1L
213-19 STXRIB	113	1L
CROPLAN		
3399VT2P/RIB	93	2E,3E
X18093VT2P	93	2E,3E
3499VT3P/RIB	94	2E,3E
3575VT2P/RIB	95	2E,3E
3899VT2P/RIB	96	2E,3E
3575SS/RIB	95	2E,3E
3795VT2P/RIB	97	2E,3E
4079VT2P/RIB	99	2E,3L
4079SS/RIB	100	2E,3L
DAIRYLAND SEED		
DS-9686	86	4E
RPM-2918AM	86	4E
DS-7294A	94	3E,4L
~RPM-3518AM	96	4L
~RPM-3519AM	96	2E,3E,4L
~RPM-3715AM	96	2E,3E
~RPM-499AM	97	2E,3E
DS-9599	99	2E,3L
RPM-4019AM	99	2E,3L
DS-7101	101	2E,3L
RPM-4018AM	101	2E,3L
~RPM-4115AM	101	2E,3L
DS-7603PE	103	2L,3L
~EXP-10306	103	2L,3L
RPM-4317AM	103	2L
DS-9804RA	104	2L,3L
~EXP-10411	104	1E,2L
~RPM-4318AM	104	1E,2L,3L
RPM-4329AM	104	1E,2L,3L
~RPM-562XRR	106	1E,2L
DS-9508RA	108	1L
EXP-10813	108	1L
~RPM-4816AM	108	1L
~DS-7909PE	109	1L
RPM-5018AM	109	1L
DS-9510RA	110	1L
~EXP-11015	110	1L
EXP-11020	110	1L
DYNAGRO		
D27VC87	87	4E
D34VC54	94	2E,3E,4L
D37VC64	97	2E,3E
D39CC43	99	5E
~D39DC43	99	2E,3L
~D43VC81	103	2L
D44VC40	104	2L
D47VC29	107	1E
D49VC70	109	1L
GOLDEN HARVEST		
~G90Y04-3220A	92	2E,3E,4L
~G95D32-3220	95	2E,3E
G95P13-3110	95	2E
G97N86-3110	97	2E
G03C84-3120	103	2L
~G04S19-3010	104	1E,2L
G06Q68-3220	106	1E,2L
G07F23-3111	107	1E
~G08M20-3010	108	1L
~G09A86-3110	109	1L
~G09Y24-3220A	109	1L
LEGACY SEEDS		
L-2817VT2P	86	4E
L-2847 VT2P	88	4E
L-2937 3120	89	4E
L-3017 VT2P	90	4L
L-3117 VT2P	91	4L
L-3115 SSX	93	3E
L-3517 VT2P	95	3E
L-3547 CONV	95	5E
L-3712 CONV	96	5E
L-3617 VT2P	97	2E,3E
L-3718 VT2P	98	2E,3L
L-3816 VT2P	100	3L
L-4118 SSX	100	2E
~L-5217 SSX	102	2L
L-5418 SSX	105	1E
L-5516 SSX	105	1E
L-6918 SSX	108	1L
LEGEND		
40J684 RR	84	4E
9986 VT2PRIB	86	4E
9891 VT2PRIB	91	4L
9895 VT2PRIB	95	3E
9897 VT2PRIB	97	2E,3E
9999 VT2PRIB	99	2E
9701 GENSSRIB	101	2L
9804 GENSSRIB	104	2L
9907 GENSSRIB	107	2L

BRAND / HYBRID	RM	TABLE
LG SEEDS		
LG5370VT2RIB	84	4E
LG5375VT2RIB	85	4E
LG38C18VT2RIB	88	4E
LG5410VT2RIB	91	3E,4L
LG5415VT2RIB	93	3E,4L
~LG44C27VT2PRO	94	2E,3E,4L
~LG44C34-3110	94	2E,3E,4L
LG5427	95	5E
~LG5465VT2RIB	97	2E,3E
LG5470	98	5E
~LG5494VT2RIB	99	2E,3L
LG5505VT2RIB	100	1E,2E,3L
LG5499	102	5L
LG5499VT2RIB	102	1E,2L
~LG5525VT2RIB	105	1E,2L
LG5565	105	5L
~LG57C28VT2PRO	107	1E,2L
~LG58C77VT2PRO	107	1E
~LG5565STXRIB	108	1L
~LG59C66VT2PRO	109	1L
LG5590VT2RIB	110	1L
M&W SEEDS		
48R11	87	3E,4E
47P61	90	3E,4L
47J64	94	5E
47R22	94	5E
46R52	95	2E,3E,4L
46L41	96	5E
46P76	97	2E,3E
45P33	100	5E
45R05	100	5E
45A37	101	5E
45M43	103	5L
45M79	103	5L
45R69	103	1E,2L
44P85	104	5L
~44R35	105	1E,2L
~44D81	108	1L
44M87	108	5L
44R77	108	1L
MASTERS CHOICE		
MCT-5790	107	5L
MISSION SEED AMP		
A9567VT2P	95	2E,3E
A9826VT2P	98	2E,3L
MEX9938VT2P	99	2E,3L
A6101VT2P	101	2E,3L
A0357SS	103	2L,3L

BRAND / HYBRID	RM	TABLE
NK Brand		
NK8920-3120	89	3E
~NK9227-3220A	92	3E
~NK9505-3110	95	3E
NK9659-3120	96	2E
NK0199-3122A	101	2E
~NK0330-3120	103	2L
NK0624-3220	106	1E
NK0886-3010	108	1L
NK0962-3220A	109	1L
RENK		
RK408VT2P™	90	3E
RK433RR	92	3E
8-536VT2P	94	3E
RK568VT2P	95	3E
RK587VT2P	97	3E
RK579DGVT2P	98	3L
RK593SSTX	99	3L
RK608DGVT2P	100	2E
RK604SSTX	102	2L
~RK642SSTX	103	2L
~RK717SSTX	105	2L
~RK710DGVT2P	106	2L
~RK737SSTX	106	2L
RK763VT2P	108	1L
RK779SSTX	108	1L
RK810SSTX	110	1L
~RK842SSTX	112	1L
RUPP		
XRA94-16	94	5E
XRT94-06	94	2E,3E
XRD97-95	97	2E,3E
XRA99-20	99	5E
XRA00-21	100	5E
XRD00-51	100	2E,3L
XRA02-20	102	5L
XRD03-07	103	2L,3L
~XRD06-70	106	1E
~XRD07-72	107	1E
8XP888	108	1L
8XP843	110	1L
XRD10-16	110	1L
~XRD11-57	111	1L
XRD12-49	112	1L
SEED CONSULTANTS		
SCS 989YHR™	98	1E,2E
SCS 1018YHR™	101	1E,2E
SCS 1037YHR™	103	1E,2L
SCS 10HR43™	104	1E,2L
~SC 10AGT59™	105	1E,2L

BRAND / HYBRID	RM	TABLE
SEEDWAY		
SW3600GENSSRIB	92	2E,3E
SW3768GENSSRIB	95	2E,3E
SW4010GENSSRIB	100	2E,3L
SW5440GENSSRIB	106	2L
SPECIALTY		
26A236	96	2E
27D728	97	2E
30A307	100	2E
32A323	102	1E,2L
32A886	102	1E,2L
34A007	104	1E,2L
37A808	107	1E
SUN PRAIRIE		
SP1970	94	2E,3E
SP1927	95	2E,3E
SP2272	101	2E,3L
VIKING		
O.84-95UP	95	5E
O.98-98P	98	5E
~O.79-00	100	5E
55-02	102	5L
~51-04GS	104	5L
WELLMAN		
W2801DP	101	1E,2E
W2903DP	103	1E,2L
W2705DP	105	1E,2L
W2307DP	107	1E,2L
W2408	108	5L
W2708	108	5L
W2807DP	108	1L,2L
W2609DP	109	1L,2L
W2911DP	110	1L,2L
W2812DP	111	1L,2L
WYCKOFF		
2187 VT2P	97	1E
2212 VT2P	100	1E
2263 SS	101	1E
2313 VT2P	103	1E
2390 VT2P	103	1E
2399 SS	104	1E
2400 SS	105	1E
2433 VT2P	105	1E
2500 SS	106	1E
2585 SS	107	1E

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

2018
SILAGE PERFORMANCE TRIALS

Introduction

The silage index (pg. 31) contains a list of all hybrids planted in the 2018 silage trials.

County results are reported in the following tables:

Tables 6E/6L Zone 1 - Branch, Lenawee, and Wood County, OH (Lenawee County early trial dropped)

Tables 7E/7L Zone 2/3 – Ottawa, Huron (Zone 3), and Ingham

Tables 8E/8L Zone 4 – Iosco, Osceola, and Presque Isle (Presque Isle County dropped)

The map of Michigan (pg.29) 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. 30).

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, Wood County, OH location is planted and managed by The Ohio State University while Michigan State University performs harvest, quality and data analysis.

A New Holland T6.175 tractor powered a two-row Champion C1200 Kemper forage harvester and a rear mounted Haldrup M-63 weigh system to harvest the two center rows. Electronic scales mounted on the Haldrup M-63 weigh system measured plot and subsample weights. All field data was recorded on a Panasonic FZ-G1 Toughpad using Harvest Master™ software. Total plot weight was used to calculate green tons per acre (GT/A). Sub samples of fodder including grain were collected, weighed, and oven dried in a WRH586-500 Greives forced air dryer until weight loss was zero, then re-weighed 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 Christy mill fitted with a 1mm screen before conducting quality analysis using Near-infrared spectroscopy (NIRS) to predict quality components.

Silage Analysis

Tables 6E, 6L, 7E, 7L, 8E and , 8L provide silage quality data as determined by Near-infrared Spectroscopy (NIRS) analysis on freshly dried & ground samples. Data is provided for individual locations and also averaged over multiple locations. Near-infrared spectral analysis involves irradiating the sample with light in the near infrared spectrum (1,100 to 2,500 nm). The illuminated sample absorbs light proportional to specific chemical and physical properties. The reflected energy is measured and correlated statistically with the NIRS Consortiums calibration 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.

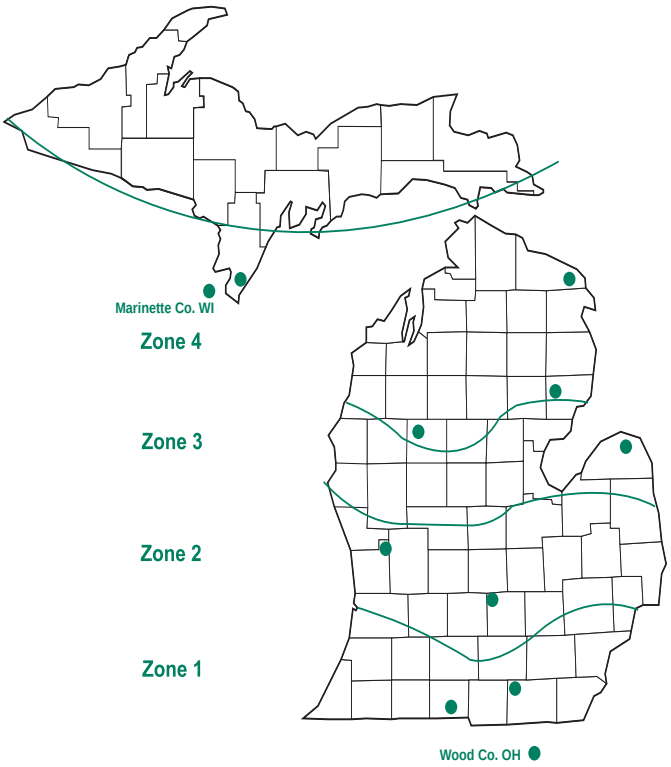
Silage quality traits are reported on a dry matter basis (100 percent DM). Quality traits in these tables are intended for use in hybrid selection only. Analysis for the balancing of feed rations should be analyzed from hybrids grown on each individual farm.

MILK2006

The MILK2006 equation (University Wisconsin-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 crude protein, 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 neutral detergent fiber diet. Using National Research Council (NRC, 2001) energy requirements, the estimated intake of energy from corn silage is converted to milk per ton. Milk per acre is then calculated using the estimated values for milk per ton and dry matter yield per acre. For more information on the utility of MILK2006 please see:

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

2018 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 29	Sept 28	Corn	33,264	31,600	190-9-3
	LENAWEE	May 30	Oct 2	Corn	33,264	31,600	160-9-3 plus manure
	WOOD (OHIO)	May 24	Sept 5	Soybeans	33,264	31,600	222-26-0
Zone 2/3	OTTAWA	June 7	Oct 9	Corn/rye cover	33,264	30,104	160-9-3 plus manure
	INGHAM	May 27	Sept 7	Soybeans	33,264	32,099	160-9-3 plus manure
	HURON	May 16	Sept 13 & 14	Corn	33,264	32,432	160-9-3 plus manure
Zone 4	IOSCO	May 17	Sept 24	Corn	33,264	31,933	160-9-3 plus manure
	PRESQUE ISLE	DROPPED	2018	Drought	conditions	poor plant	development
	OSCEOLA	May 23	Sept 12	Black beans	33,264	31,600	160-9-3 plus manure

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Oshtemo sandy loam	pH 6.2, P 89 K 110	Huff Farms Kyle Huff	Coldwater
	LENAWEE	Blount loam 64% Pewamo clay 31%	pH 7.4, P 62 K 161	Baker-Ladd Farms Blaine Baker	Clayton
	WOOD (OHIO)	Hoytville clay loam	pH 6.9 , P 57 K 191	OARDC Matt Davis & Richard Minyo	Hoytville, Ohio
Zone 2/3	OTTAWA	Belding sandy loam	pH 7, P 41 K 178	J & J Dairy Tim, Dave and Daniel Van Dyke	Marne
	INGHAM	Conover loam 88% Colwood-Brookston loams 12%	pH 6, P 49 K 196	Plant, Soil & Microbial Sciences Research Facility, MSU	East Lansing
	HURON	Shebeon cobbley loam 69% Shebeon loam 31%	pH 7.9, P 77.5 K 236	Wil-Le Farms Ron, Ed and Chris McCrea	Bad Axe
Zone 4	IOSCO	Kawkawlin sandy loam 100%	pH 7.2, P 40 K 194	Double B Dairy Jeremy, Tim and Roger Beebe	Hale
	PRESQUE ISLE	DROPPED		Ponik Farms Paul Ponik	Posen
	OSCEOLA	McBride sandy loam 80% Onekama/Saginaw lobe	pH 6.5, P 77 K 156	Pine Crest Dairy Farm John Bode	Cadillac

SILAGE HYBRID INDEX

ZONE 1 - Tables 6E/6L
Branch
Lenawee
Wood (Ohio)
Trial Average

BRAND / HYBRID	RM	TABLE
AGRIGOLD		
~ A633-94STX	103	7E
A638-94STX	108	7L
~ A639-40VT2RIB	109	7L
BECK		
5829A4	108	7L
6082AM™*	110	6E
BLUE RIVER		
~ 51T59	103	7E
CROPLAN		
4099SS/RIB	99	7E
4188SS	104	7E
S4600/RIB	104	7E
4791AS3111GT	106	7L
DAIRYLAND SEED		
HiDF-3188-6	88	8E
HiDF-3290-9	90	8E
~ RPM-3518AM	96	8E
~ RPM-3519AM	96	8E
~ RPM-3715AM	96	8E
HiDF-3197RA	97	7E,8E
~ RPM-499AM	97	8E
HiDF-3099RA	99	7E,8E
~ RPM-4115AM	101	8L
EXP-10207	102	7E,8E
HiDF-3202PE	102	7E,8E
HiDF-3702-9	102	7E,8E
~ EXP-10306	103	7E,8E
~ EXP-10411	104	7E
~ RPM-4318AM	104	7E,8E
HiDF-3605RA	105	6E,7L
EXP-10617	106	7L
~ RPM-562XRR	106	7L,8L
HiDF-3407RA	107	6E,7L
HiDF-3808RA	108	6E,7L
~ RPM-4816AM	108	7L
~ DS-7909PE	109	6E,7L
DS-9713RA	110	6E
~ EXP-11015	110	6E
EXP-11016	110	6E,7L
HiDF-3510SSX	110	6E
EXP-11113	111	6L
HiDF-3211RA	111	6L,7L
DS-7215	112	6L
EXP-11315	113	6L
HiDF-3413SSX	113	6L
DYNAGRO		
D37SS64	97	8E
~ D39DC43	99	7E
~ D43VC81	103	7E
D47SS29	107	7L
D49SS70	109	6E
D58SS65	118	6L

ZONE 2/3- Tables 7E/7L
Huron - Zone 3
Ingham
Ottawa
Trial Average

BRAND / HYBRID	RM	TABLE
FS InVision		
FS53ZX1 RIB	103	6E
FS57ZX1 RIB	107	6E
FS60UX1 RIB	110	6E
FS62RL1 EZR	112	6L
FS62ZX1 RIB	112	6L
FS63ZX1 RIB	113	6L
FS64SX1 RIB	114	6L
GOLDEN HARVEST		
~ G90Y04-3220A	92	7E,8E
~ G95D32-3220	95	7E,8E
~ G04S19-3010	104	7E
~ G08M20-3010	108	6E,7L
~ G09A86-3110	109	6E,7L
~ G09Y24-3220A	109	6E,7L
G10T63-3120	110	6E,7L
G14R38-3120	114	6L
G16K01-3111	116	6L
G18D87-3111	118	6L
KingFisher		
43C40	93	8E
52C20	102	7E
54C10	104	7E
58C80	108	6E,7L
60C30	110	6E
LEGACY SEEDS		
L-3335 3220	93	8E
L-3537 3110	95	8E
L-4433 3122	101	7E,8E
~ L-5217 SSX	102	7E
L-5350 3122	104	7E
L-6838 3010	108	7L
L-6937 3111	109	6E,7L
LG SEEDS		
~ LG44C27VT2PRO	94	8E
~ LG44C34-3110	94	8E
~ LG5465VT2RIB	97	8E
~ LG5494VT2RIB	99	8L
LG5505STXRIB	100	7E,8E
LG5499STXRIB	102	7E,8E
~ LG5525VT2RIB	105	7L
~ LG57C28VT2PRO	107	7L
~ LG58C77VT2PRO	107	6E,7L
~ LG5565STXRIB	108	6E,7L
LG5548STXRIB	109	6E
~ LG59C66VT2PRO	109	6E
LG5606STXRIB	111	6L
LG62C02STX	112	6L
LOCAL SEED		
LC1349 SSXRIB	113	6L
LC1600 VT3PRIB	116	6L

ZONE 4 - Tables 8E/8L
Iosco
Osceola
Presque Isle
Trial Average

BRAND / HYBRID	RM	TABLE
M&W SEEDS		
~ 44R35	105	6E,7L
~ 44D81	108	6E,7L
MASTERS CHOICE		
MCT-4934	99	7E,8E
MCT-5371	103	6E,7E,8L
MCT-5454	104	6E,7E,8L
MCT-5663	106	6E,7L
MCT-6153	111	6L
MCT-6363	113	6L
NK Brand		
~ NK9227-3220A	92	7E
NK9292-3111	92	7E
~ NK9505-3110	95	7E
~ NK0330-3120	103	6E,7E
NK0519-3122	105	6E
NK0760-3111	107	6E
NK0929-3122	109	6E
RENK		
RK724RR	102	7E
7-726SSTX	103	7E
~ RK642SSTX	103	7E
~ RK717SSTX	105	7L
~ RK710DGVT2P	106	7L
~ RK737SSTX	106	7L
RK859DGVT2P	109	6E,7L
~ RK842SSTX	112	6L,7L
RUPP		
XRJ99-70	99	7E
~ XRD06-70	106	6E
~ XRD07-72	107	6E
~ XRD11-57	111	6L
SEED CONSULTANTS		
~ SC 10AGT59™	105	7L
SCS 1087YHR™	108	7L
SCS 1125YHR™	112	7L
VIKING		
71-90GS	90	8E
~ O.79-00	100	7E,8E
~ 51-04GS	104	6E,7E,8L
48-08GS	108	6E
O.74-10GS	110	6E
53-12	112	6L
WOLF RIVER VALLEY		
2612	110	6E
3910FLRR	110	6E

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

TABLE 6E. BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - EARLY (110 Day and Earlier) ZONE 1

2018				Early - TRIAL AVERAGE												Branch - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 6082AM™*	110		1,2,4	39.1	27.4	10.7 *	95	82.3	20.5	38.4	53.9	7.0	40.3	3313	34788	41.6	26.3	10.9 *	94	83.1	18.9	35.6	52.6	7.5	44.0	3384	36941
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	41.7	23.4	9.6	93	80.2	21.6	38.8	47.0	7.3	37.4	3227	31171	42.8	21.6	8.9	90	79.7	22.4	39.1	44.2	7.4	35.9	3230	29374
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	40.8	24.2	9.7	95	80.1	20.9	41.3	50.8	6.7	37.7	3161	30669	44.0	22.7	9.9	98	80.5	19.4	41.0	50.2	6.8	40.0	3180	31590
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	37.4	28.0	10.5 *	99	80.2	22.8	41.2	50.3	6.8	37.1	3165	34105	40.0	28.2	11.3 **	99	82.2	18.7	36.2	50.7	7.4	42.4	3323	37460
DAIRYLAND SEED DS-7909PE	109	C500	1,2,4,6	43.6	24.3	10.4 *	97	82.7	18.8	36.4	52.5	6.8	42.1	3358	35735	48.0	22.7	10.7 *	97	83.0	17.7	35.8	52.4	7.0	44.2	3376	36221
DAIRYLAND SEED DS-9713RA	110	C500	1,2,3,4,6	36.8	26.4	9.8	96	81.0	19.2	37.9	49.9	6.9	40.7	3244	32376	37.7	26.6	10.1	95	81.4	18.4	36.7	49.4	7.3	41.6	3275	32903
DAIRYLAND SEED EXP-11015	110		1,2,4	42.3	24.7	10.4 *	94	81.2	20.0	38.3	51.0	6.9	41.5	3252	33882	42.9	23.5	10.1	95	82.3	18.7	36.8	51.9	7.1	44.8	3326	33509
DAIRYLAND SEED EXP-11016	110		1,2,4	40.9	24.9	10.2	96	83.8	17.9	36.2	54.0	7.4	41.9	3419	34948	42.0	25.3	10.6	97	84.0	18.5	35.0	54.2	7.8	44.7	3439	36547
DAIRYLAND SEED HiDF-3510SSX	110	C500	1,2,3,4,6	35.3	27.9	9.8	94	79.9	22.6	41.0	51.9	6.6	34.3	3104	29925	35.6	27.8	9.9	94	80.0	22.3	41.7	51.9	6.9	36.8	3144	31110
DYNAGRO D49SS70	109	P500	1,2,3,4	41.0	24.4	10.0	96	81.8	18.0	35.8	49.0	7.2	43.2	3306	33636	44.9	23.7	10.6	97	82.4	15.7	33.9	47.9	7.3	45.9	3357	35507
FS InVision FS53ZX1 RIB	103	P500	1,2,3,4	48.0	19.5	9.1	95	83.2	17.9	35.2	50.8	7.1	43.9	3393	30078	54.7	16.3	8.9	92	84.7	16.3	33.3	51.1	7.2	48.5	3503	29403
FS InVision FS57ZX1 RIB	107	P500	1,2,3,4	42.8	23.1	9.8	94	81.5	19.7	38.1	50.1	7.0	40.1	3268	32640	46.5	21.3	9.9	93	82.2	17.5	35.2	49.5	7.1	44.5	3338	32962
FS InVision FS60UX1 RIB	110	P500	1,2,3,4	40.3	24.7	9.9	98	81.4	17.6	37.0	50.5	7.1	41.8	3276	32538	42.4	23.8	10.1	97	82.6	15.7	36.1	50.6	7.1	44.9	3353	33774
GOLDEN HARVEST G08M20-3010	108	C500	1,2,4	44.7	22.2	9.8	94	82.5	16.7	34.0	50.8	7.6	45.2	3364	32939	50.7	19.8	10.1	91	83.7	16.2	33.9	51.8	8.0	46.4	3430	34467
GOLDEN HARVEST G09A86-3110	109	C500	1,2,4,6	44.2	22.6	10.0	95	81.0	18.1	36.7	50.9	7.2	41.8	3255	32611	44.8	22.0	9.8	93	82.5	16.5	35.6	50.9	7.5	43.9	3350	32936
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	42.6	22.2	9.5	94	81.7	18.8	37.7	53.1	7.1	40.6	3285	31756	46.3	19.8	9.4	93	81.6	18.4	36.9	53.1	7.5	41.2	3282	32132
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4	37.5	26.5	10.0	96	79.8	21.8	40.1	49.4	7.0	39.0	3150	32097	40.5	25.7	10.5	98	81.4	18.5	36.2	48.6	7.6	43.4	3277	34511
KingFisher 58C80	108		CONV	44.6	23.9	10.7 *	95	82.4	18.5	36.0	51.8	7.3	39.2	3360	36805	46.9	23.6	11.1 *	93	82.8	16.5	33.4	51.9	7.4	40.2	3429	38245
KingFisher 60C30	110		CONV	38.1	25.6	9.7	95	81.5	18.9	38.5	51.1	7.7	37.8	3262	31774	39.1	25.7	10.1	93	82.6	17.5	36.7	51.0	8.1	40.0	3342	33592
LEGACY SEEDS L-6937 3111	109	C250	1,2,3,4,6	43.1	23.8	10.2	96	82.4	18.7	37.3	51.7	7.6	40.6	3325	33953	45.2	23.8	10.7 *	95	82.9	16.9	35.3	51.6	7.8	44.2	3374	36172
LG SEEDS LG58C77VT2PRO	107	P500	1,2,3	45.4	23.2	10.5 *	96	82.2	18.6	36.1	50.8	7.3	42.0	3329	34129	46.3	22.5	10.4	96	82.6	18.0	35.6	51.3	7.5	42.9	3352	33216
LG SEEDS LG5565STXRIB	108	P500	1,2,3,4	41.4	24.8	10.4 *	95	83.5	16.4	34.7	52.6	6.9	42.9	3422	35420	44.7	22.0	10.2	96	85.1	14.8	32.1	53.5	7.0	47.2	3536	36160
LG SEEDS LG5548STXRIB	109	P500	1,2,3,4	41.4	24.0	9.9	98	82.9	16.9	35.3	53.0	6.7	43.0	3377	33308	43.7	22.1	9.6	98	83.0	16.4	34.2	53.1	6.9	45.3	3390	32452
LG SEEDS LG59C66VT2PRO	109	P500	1,2,3	46.6	23.2	10.8 **	96	81.8	19.0	37.7	50.8	7.2	40.7	3292	35513	48.1	22.6	10.8 *	97	83.1	16.1	34.9	51.4	7.4	45.0	3388	36612
M&W SEEDS 44R35	105	P250	1,2	45.1	22.0	9.5	95	82.2	18.1	35.4	47.5	7.4	40.8	3316	31357	51.2	20.8	10.5	93	82.8	18.3	34.4	45.2	7.5	41.1	3335	35047
M&W SEEDS 44D81	108	P250	1,2	43.5	23.7	10.2	97	81.4	19.0	37.4	50.3	7.0	40.1	3261	33400	47.1	22.3	10.5	98	83.1	15.5	33.8	50.0	7.4	45.8	3400	35596
MASTERS CHOICE MCT-5371	103	C250	1	45.5	18.0	8.4	93	82.1	17.2	35.9	50.1	7.1	43.0	3323	28000	51.1	18.1	9.4	92	83.6	15.5	32.9	49.9	7.1	48.4	3437	32128
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	44.4	20.3	9.1	91	81.9	20.5	38.4	51.1	7.6	44.6	3286	29813	47.1	19.2	9.0	88	83.7	16.9	32.8	50.3	7.8	47.9	3442	31039
MASTERS CHOICE MCT-5663	106	C250	1,2,3,4	42.0	22.8	9.3	93	82.5	18.5	35.8	51.5	7.1	42.8	3351	31274	45.2	22.1	9.6	90	83.0	18.3	36.1	51.7	7.3	43.3	3376	32247
NK Brand NK0330-3120	103	C250	1,2,4	50.3	19.3	9.5	97	81.0	17.8	35.3	49.6	7.8	43.3	3261	31589	56.4	16.1	9.0	97	82.4	16.5	33.2	48.9	8.2	45.8	3362	30320
NK Brand NK0519-3122	105	C250	1,2,3,4	41.8	22.6	9.4	96	81.0	20.4	39.6	51.2	7.1	36.5	3199	29532	44.2	21.8	9.6	95	81.4	18.6	39.5	51.0	7.3	38.5	3246	31119
NK Brand NK0760-3111	107	C250	1,2,3,4,6	43.1	24.1	10.2	97	83.2	19.2	38.0	54.9	6.8	42.5	3365	34292	46.3	23.4	10.5	95	83.9	16.6	35.7	54.7	7.1	43.6	3430	35943
NK Brand NK0929-3122	109	C250	1,2,3,4	38.8	24.6	9.5	94	82.9	16.2	33.7	50.9	7.4	44.0	3387	32233	40.4	24.0	9.7	90	82.8	15.7	33.2	51.6	7.6	46.0	3383	32724
RENK RK859DGVT2P	109	C250	1,2	39.8	24.2	9.6	97	82.0	18.7	36.5	49.6	7.2	42.5	3313	31709	43.1	24.0	10.4	96	82.7	18.0	35.9	49.5	7.5	45.1	3356	34836
RUPP XRD06-70	106	P250	1,2	47.5	20.4	9.4	97	82.5	16.9	35.0	51.7	7.6	43.7	3356	32342	56.4	17.7	9.8	96	83.9	15.1	31.9	53.1	7.7	46.9	3465	33997
RUPP XRD07-72	107	P250	1,2	46.1	22.5	10.4 *	93	82.5	16.9	33.8	49.7	7.5	44.1	3366	34895	45.9	22.4	10.2	91	83.0	16.5	33.4	48.9	7.6	45.6	3396	34713
VIKING 51-04GS	104	C250	CONV	51.9	19.4	10.0	96	83.7	16.7	34.5	53.2	7.4	43.9	3431	34398	51.7	18.1	9.4	96	84.6	13.6	30.3	52.5	7.5	49.0	3520	32948
VIKING 48-08GS	108	C250	CONV	47.8	22.5	10.5 *	95	83.2	17.1	34.0	51.6	6.8	45.7	3405	35812	49.3	21.6	10.3	95	84.7	16.3	33.4	51.9	7.0	47.9	3500	36061
VIKING O.74-10GS	110	C250	CONV	43.2	22.8	9.6	96	83.6	16.3	33.8	51.6	7.4	44.5	3432	32910	46.0	22.5	9.8	95	83.9	15.4	32.8	51.1	7.3	46.8	3459	33989
WOLF RIVER VALLEY 2612	110	C250	1,2,3,4	39.0	25.7	10.0	97	79.9	22.3	42.1	51.1	6.9	36.1	3139	30819	41.2	25.7	10.6	98	79.5	23.4	43.4	50.3	7.1	35.9	3099	30829
WOLF RIVER VALLEY 3910FLRR	110	C250	1	36.8	26.7	9.7	96	77.4	24.9	46.4	51.7	7.2	30.5	2945	28667	39.8	25.0	9.9	94	78.2	21.1	41.2	48.7	7.5	35.2	3037	30029
AVERAGE				42.6	23.6	9.9	95	81.8	18.9	37.2	51.1	7.2	41.1	3294	32679	45.4	22.5	10.1	95	82.6	17.5	35.5	50.8	7.4	43.7	3357	33692
HIGHEST				51.9	28.0	10.8	99	83.8	24.9	46.4	54.9	7.8	45.7	3432	36805	56.4	28.2	11.3	99	85.1	23.4	43.4	54.7	8.2	49.0	3536	38245
LOWEST				35.3	18.0	8.4	91	77.4	16.2	33.7	47.0	6.6	30.5	2945	28000	35.6	16.1	8.9	88	78.2	13.6	30.3	44.2	6.8	35.2	3037	29374
CV (%)				5.9	5.3	6.3	3	2.5	8.4	7.4	4.2	4.6	7.6	4	6	5.4	6.6	5.4	4	2.2	7.0	6.0	5.1	4.1	6.9	4	6
LSD (5%)				2.1	1.0	0.5	3	1.7	1.3	2.3	1.8	0.3	2.6	106	1713	2.9	1.7	0.6	4	2.2	1.4	2.5	3.1	0.4	3.6	138	2437

2018				Lenawee - Early												Wood - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 6082AM™*	110		1,2,4													36.6	28.6	10.5 *	97	81.6	22.0	41.2	55.2	6.5	36.5	3242	32635
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	Location Dropped												40.5	25.3	10.2 *	97	80.8	20.9	38.5	49.9	7.2	39.0	3223	32969
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6													37.6	25.7	9.5	93	79.8	22.4	41.6	51.4	6.5	35.3	3141	29749
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6													34.8	27.8	9.7	98	78.3	26.8	46.3	50.0	6.3	31.8	3006	30750
DAIRYLAND SEED DS-7909PE	109	C500	1,2,4,6													39.1	25.9	10.1 *	96	82.5	20.0	37.0	52.6	6.7	40.0	3340	35249
DAIRYLAND SEED DS-9713RA	110	C500	1,2,3,4,6													35.9	26.3	9.5	96	80.6	19.9	39.1	50.4	6.5	39.7	3213	31849
DAIRYLAND SEED EXP-11015	110		1,2,4													41.8	25.9	10.8 **	93	80.2	21.3	39.9	50.2	6.8	38.2	3178	34255
DAIRYLAND SEED EXP-11016	110		1,2,4													39.9	24.6	9.8	95	83.6	17.2	37.3	53.8	7.1	39.1	3399	33349
DAIRYLAND SEED HiDF-3510SSX	110	C500	1,2,3,4,6													35.0	28.0	9.8	95	79.9	22.9	40.4	51.9	6.4	31.9	3064	28740
DYNAGRO D49SS70	109	P500	1,2,3,4													37.1	25.2	9.4	96	81.2	20.4	37.8	50.1	7.0	40.5	3255	31765
FS InVision FS53ZX1 RIB	103	P500	1,2,3,4													41.3	22.8	9.4	97	81.6	19.4	37.2	50.5	7.0	39.3	3284	30753
FS InVision FS57ZX1 RIB	107	P500	1,2,3,4													39.1	24.8	9.7	95	80.8	21.9	41.1	50.7	6.9	35.7	3199	32318
FS InVision FS60UX1 RIB	110	P500	1,2,3,4													38.2	25.7	9.8	99	80.2	19.5	37.9	50.5	7.1	38.7	3198	31303
GOLDEN HARVEST G08M20-3010	108	C500	1,2,4													38.8	24.6	9.5	97	81.4	17.1	34.2	49.8	7.2	43.9	3298	31411
GOLDEN HARVEST G09A86-3110	109	C500	1,2,4,6													43.5	23.3	10.2 *	97	79.6	19.6	37.8	51.0	6.8	39.7	3159	32286
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4													38.9	24.5	9.6	96	81.9	19.2	38.6	53.1	6.7	40.0	3287	31380
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4													34.6	27.3	9.4	94	78.1	25.1	44.0	50.2	6.5	34.6	3022	29683
KingFisher 58C80	108		CONV													42.2	24.3	10.3 *	98	82.0	20.4	38.7	51.6	7.1	38.3	3291	35364
KingFisher 60C30	110		CONV													37.1	25.4	9.4	96	80.4	20.3	40.3	51.2	7.3	35.6	3181	29955
LEGACY SEEDS L-6937 3111	109	C250	1,2,3,4,6													41.1	23.7	9.7	98	81.9	20.4	39.4	51.8	7.4	37.0	3276	31734
LG SEEDS LG58C77VT2PRO	107	P500	1,2,3													44.5	23.9	10.6 *	97	81.9	19.1	36.5	50.3	7.1	41.1	3306	35043
LG SEEDS LG5565STXRIB	108	P500	1,2,3,4													38.1	27.6	10.5 *	94	82.0	18.0	37.3	51.7	6.8	38.6	3309	34680
LG SEEDS LG5548STXRIB	109	P500	1,2,3,4													39.1	25.9	10.2 *	97	82.8	17.3	36.4	52.8	6.5	40.6	3365	34164
LG SEEDS LG59C66VT2PRO	109	P500	1,2,3													45.2	23.9	10.8 **	95	80.6	21.8	40.6	50.3	7.0	36.5	3195	34415
M&W SEEDS 44R35	105	P250	1,2													39.0	23.3	8.4	96	81.7	17.9	36.4	49.8	7.3	40.5	3298	27667
M&W SEEDS 44D81	108	P250	1,2													39.8	25.2	10.0 *	97	79.7	22.6	41.1	50.6	6.7	34.4	3121	31203
MASTERS CHOICE MCT-5371	103	C250	1													39.8	17.9	7.4	94	80.6	19.0	38.9	50.2	7.2	37.5	3210	23871
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6													41.8	21.5	9.1	95	80.2	24.1	44.0	51.8	7.3	41.3	3130	28587
MASTERS CHOICE MCT-5663	106	C250	1,2,3,4													38.8	23.5	9.1	95	82.0	18.7	35.5	51.3	7.0	42.3	3326	30302
NK Brand NK0330-3120	103	C250	1,2,4													44.2	22.5	10.1 *	97	79.5	19.1	37.3	50.2	7.3	40.9	3160	32859
NK Brand NK0519-3122	105	C250	1,2,3,4													39.4	23.4	9.2	97	80.7	22.2	39.7	51.3	6.9	34.4	3152	27945
NK Brand NK0760-3111	107	C250	1,2,3,4,6													39.8	24.9	9.9	98	82.5	21.9	40.4	55.2	6.5	41.5	3301	32641
NK Brand NK0929-3122	109	C250	1,2,3,4													37.2	25.3	9.4	97	83.0	16.8	34.3	50.3	7.3	42.0	3391	31742
RENK RK859DGVT2P	109	C250	1,2													36.6	24.3	8.8	97	81.3	19.4	37.1	49.6	7.0	39.9	3269	28581
RUPP XRD06-70	106	P250	1,2													38.7	23.2	9.0	97	81.1	18.8	38.1	50.3	7.5	40.5	3247	30686
RUPP XRD07-72	107	P250	1,2													46.2	22.6	10.5 *	95	82.1	17.3	34.3	50.5	7.5	42.6	3337	35077
VIKING 51-04GS	104	C250	CONV													52.2	20.6	10.7 *	96	82.9	19.8	38.7	54.0	7.3	38.9	3342	35847
VIKING 48-08GS	108	C250	CONV													46.2	23.3	10.8 **	95	81.6	17.9	34.6	51.3	6.6	43.5	3310	35562
VIKING O.74-10GS	110	C250	CONV													40.5	23.1	9.4	97	83.3	17.3	34.9	52.1	7.5	42.3	3405	31831
WOLF RIVER VALLEY 2612	110	C250	1,2,3,4													36.8	25.7	9.4	96	80.4	21.2	40.9	52.0	6.8	36.3	3178	30809
WOLF RIVER VALLEY 3910FLRR	110	C250	1													33.9	28.4	9.6	97	76.7	28.8	51.6	54.8	6.8	25.9	2854	27306
AVERAGE																39.8	24.6	9.7	96	81.0	20.4	38.9	51.4	6.9	38.4	3231	31666
HIGHEST																52.2	28.6	10.8	99	83.6	28.8	51.6	55.2	7.5	43.9	3405	35847
LOWEST																33.9	17.9	7.4	93	76.7	16.8	34.2	49.6	6.3	25.9	2854	23871
CV (%)																6.1	3.9	6.6	3	2.6	8.6	7.8	2.9	5.1	7.8	4	7
LSD (5%)																2.8	1.1	0.8	3	2.5	2.1	3.6	1.7	0.4	3.5	162	2469

-2 Year Averages Continued On Page 43.

TABLE 6L. BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - LATE (111 Day and Later) ZONE 1

2018				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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED EXP-11113	111		1,2,4	41.7	27.0	11.0 **	95	82.1	16.9	35.7	49.7	7.3	42.5	3328	36084	40.7	28.7	11.6 **	97	81.2	18.3	37.0	49.2	7.1	41.5	3252	37822
DAIRYLAND SEED HiDF-3211RA	111	C500	1,2,3,4,6	34.8	26.4	9.2	94	80.3	19.3	38.2	51.9	7.1	40.1	3196	30448	35.0	29.1	10.2	94	79.3	20.2	38.7	50.2	7.3	38.8	3124	34319
DAIRYLAND SEED DS-7215	112	C500	1,2,6	37.9	27.7	10.3	96	80.3	22.2	41.6	53.5	7.1	34.7	3159	32380	39.1	30.2	11.4 *	95	80.1	20.1	38.6	52.0	6.9	37.1	3170	36255
DAIRYLAND SEED EXP-11315	113		1,2,4	39.6	24.9	9.5	96	83.0	17.8	34.3	52.9	7.8	41.1	3422	32261	38.8	29.0	10.8 *	100	82.6	16.7	32.3	52.0	7.8	40.5	3472	38879
DAIRYLAND SEED HiDF-3413SSX	113	C500	1,2,3,4,6	34.9	27.4	9.4	95	81.0	20.9	40.4	53.5	7.4	37.3	3219	30008	33.7	29.9	10.1	95	80.0	22.0	41.0	51.1	7.2	37.1	3141	31725
DYNAGRO D58SS65	118	P500	1,2,3,4	39.5	25.0	9.7	95	80.6	18.9	38.4	49.5	7.6	40.3	3213	31061	39.0	25.2	9.8	93	79.1	19.8	40.4	48.2	7.6	39.5	3094	30364
FS InVision FS62RL1 EZR	112	P250	1,2,4,6	44.6	21.2	9.1	94	83.6	18.2	35.5	53.0	7.4	44.0	3420	31150	43.0	22.8	9.8	94	82.5	17.3	35.7	50.9	7.5	43.5	3338	34504
FS InVision FS62ZX1 RIB	112	P500	1,2,3,4	41.1	24.0	9.7	97	82.1	18.6	37.6	52.5	7.5	41.1	3311	32449	40.6	25.4	10.4	96	82.2	18.7	36.3	50.8	7.4	42.5	3315	34358
FS InVision FS63ZX1 RIB	113	P500	1,2,3,4	40.8	23.8	9.6	94	81.6	17.0	35.5	49.1	7.4	43.0	3299	32118	40.6	24.1	9.8	91	81.2	17.2	35.7	47.5	7.4	42.9	3266	31867
FS InVision FS64SX1 RIB	114	P500	1,2,3,4	39.0	25.5	9.8	96	82.3	17.6	36.0	51.5	7.5	42.3	3336	33321	39.4	27.8	10.9 *	99	81.5	17.0	35.3	49.7	7.4	44.0	3284	35909
GOLDEN HARVEST G14R38-3120	114	C500	1,2,4	40.6	23.9	9.6	95	82.6	18.5	36.4	52.1	7.2	41.9	3354	31469	39.2	25.2	9.9	94	81.9	19.3	36.8	50.7	7.2	42.2	3291	32664
GOLDEN HARVEST G16K01-3111	116	C500	1,2,3,4,6	37.9	26.9	10.0	93	82.2	19.4	37.6	52.6	7.0	40.2	3320	33213	38.3	27.6	10.6	91	81.0	20.5	37.8	49.8	6.8	41.5	3234	34259
GOLDEN HARVEST G18D87-3111	118	C500	1,2,3,4,6	35.5	26.7	9.4	96	81.4	20.5	39.9	53.3	7.5	37.3	3242	30369	33.1	31.8	10.5	95	79.6	21.9	41.8	51.1	7.9	35.5	3107	32667
LG SEEDS LG5606STXRIB	111	P500	1,2,3,4	39.5	24.5	9.7	97	81.6	19.1	37.3	50.4	7.5	40.9	3282	30411	39.0	27.0	10.5	99	80.9	20.4	39.3	48.1	7.3	39.7	3206	31450
LG SEEDS LG62C02STX	112	P500	1,2,3,4	40.5	25.6	10.0	95	83.0	17.7	35.8	53.2	7.6	42.1	3376	33302	39.6	28.5	11.0 *	99	82.9	15.7	33.4	51.1	7.8	45.3	3386	37201
LOCAL SEED LC1349 SSXRIB	113	C250	1,2,3,4	42.3	24.0	9.8	92	81.7	18.7	36.9	50.5	7.2	41.6	3292	32263	42.1	25.4	10.7 *	96	80.6	19.8	38.8	50.1	7.1	39.8	3200	34017
LOCAL SEED LC1600 VT3PRIB	116	C250	1,2,3	38.6	26.1	9.9	97	82.2	18.9	37.8	52.9	7.2	39.5	3317	32897	39.6	26.9	10.6	95	82.1	18.6	37.0	51.6	7.1	41.5	3304	35088
MASTERS CHOICE MCT-6153	111	C250	1,2,3,4	45.0	23.4	10.1	94	82.5	18.7	37.1	52.8	7.4	41.6	3341	33673	44.6	23.4	10.4	92	82.4	17.7	35.7	50.5	7.2	43.8	3332	34648
MASTERS CHOICE MCT-6363	113	C250	1,2,3,4	40.8	24.5	9.8	90	82.4	17.6	35.0	51.0	7.5	42.2	3353	32014	39.0	25.9	10.1	90	81.9	18.5	35.8	49.4	7.4	42.0	3305	33428
RENK RK842SSTX	112	C500	1,2,3,4	40.1	24.5	9.6	94	82.4	18.3	37.6	52.5	7.4	40.6	3329	32042	41.1	25.3	10.4	95	82.4	18.0	36.7	52.1	7.5	42.2	3325	34589
RUPP XRD11-57	111	P250	1,2	42.8	24.3	10.0	97	82.1	17.7	36.4	51.2	7.2	42.0	3324	33692	42.9	27.5	11.4 *	99	82.1	18.2	36.6	48.5	7.4	43.3	3307	37784
VIKING 53-12	112	C250	CONV	48.4	21.4	9.9	96	83.8	16.6	32.6	52.2	7.2	45.6	3421	33657	44.3	24.7	10.9 *	97	84.0	16.0	32.7	50.9	7.3	47.5	3455	37688
AVERAGE				40.3	24.9	9.8	95	82.0	18.6	37.0	51.9	7.4	41.0	3312	32286	39.7	26.9	10.5	95	81.4	18.7	37.0	50.2	7.3	41.4	3269	34613
HIGHEST				48.4	27.7	11.0	97	83.8	22.2	41.6	53.5	7.8	45.6	3422	36084	44.6	31.8	11.6	100	84.0	22.0	41.8	52.1	7.9	47.5	3472	38879
LOWEST				34.8	21.2	9.1	90	80.3	16.6	32.6	49.1	7.0	34.7	3159	30008	33.1	22.8	9.8	90	79.1	15.7	32.3	47.5	6.8	35.5	3094	30364
CV (%)				6.5	6.2	7.6	4	2.2	8.1	6.8	2.9	4.6	7.1	4	7	5.8	5.8	6.9	4	2.4	8.0	6.1	3.2	3.9	6.9	4	7
LSD (5%)				1.8	1.0	0.5	3	1.2	1.0	1.7	1.0	0.2	2.0	79	1503	2.7	1.8	0.9	4	2.3	1.8	2.7	1.9	0.3	3.4	138	3053

2 Year Averages 2018 - 2017				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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED EXP-11113	111		1,2,4	42.0	25.5	10.5 **	95	81.0	18.8	37.5	49.3	6.9	40.0	3245	33889	43.9	23.5	10.1 *	95	80.7	18.7	37.8	48.9	7.3	40.6	3214	32578
DAIRYLAND SEED EXP-11315	113		1,2,4	38.9	25.4	9.6	98	81.8	19.7	37.4	51.6	7.2	38.6	3307	31936	41.4	25.7	10.3 *	99	81.8	17.4	34.8	50.5	7.7	41.3	3357	35775
LOCAL SEED LC1349 SSXRIB	113	C250	1,2,3,4	42.9	24.0	9.9	94	81.3	19.4	37.5	49.9	6.9	40.0	3262	32292	47.1	23.1	10.2 *	96	81.2	18.7	36.6	48.6	7.3	41.4	3258	33262
LOCAL SEED LC1600 VT3PRIB	116	C250	1,2,3	39.8	26.0	10.2 *	98	82.4	18.6	37.0	52.3	6.8	39.8	3333	33873	43.1	24.7	10.5 **	96	82.2	18.2	36.5	51.3	7.0	40.9	3319	35682
MASTERS CHOICE MCT-6363	113	C250	1,2,3,4	40.0	24.5	9.6	93	82.4	17.9	35.1	50.6	7.1	41.5	3352	31812	41.3	23.3	9.6	93	82.6	17.6	34.6	49.8	7.3	42.6	3358	32120
AVERAGE				40.7	25.1	10.0	95	81.8	18.9	36.9	50.7	7.0	40.0	3300	32761	43.4	24.0	10.1	96	81.7	18.1	36.0	49.8	7.3	41.4	3301	33883
HIGHEST				42.9	26.0	10.5	98	82.4	19.7	37.5	52.3	7.2	41.5	3352	33889	47.1	25.7	10.5	99	82.6	18.7	37.8	51.3	7.7	42.6	3358	35775
LOWEST				38.9	24.0	9.6	93	81.0	17.9	35.1	49.3	6.8	38.6	3245	31812	41.3	23.1	9.6	93	80.7	17.4	34.6	48.6	7.0	40.6	3214	32120
CV (%)				6.9	6.2	8.5	3	2.5	9.2	7.7	3.6	4.7	7.3	4	7	6.9	5.3	7.3	3	2.5	9.1	8.2	3.2	4.0	6.9	4	7
LSD (5%)				1.3	0.7	0.4	2	1.0	0.8	1.4	0.9	0.2	1.4	64	1050	2.4	1.1	0.6	3	1.7	1.4	2.5	1.3	0.2	2.4	114	1949

2018				Lenawee - Late												Wood - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED EXP-11113	111		1,2,4	45.9	22.4	9.8 **	94	84.1	15.0	32.4	52.8	7.4	46.7	3502	33112	38.6	30.0	11.6 **	95	81.1	17.6	37.5	47.0	7.5	39.4	3229	37318
DAIRYLAND SEED HiDF-3211RA	111	C500	1,2,3,4,6	36.9	20.0	7.7	95	81.2	17.9	37.3	56.5	6.6	41.0	3294	27352	32.6	30.2	9.9	94	80.3	19.8	38.7	49.0	7.5	40.5	3171	29674
DAIRYLAND SEED DS-7215	112	C500	1,2,6	41.5	20.8	8.7	96	81.1	23.6	45.1	58.0	7.0	29.0	3194	27788	33.0	32.1	10.6	97	79.7	23.0	41.0	50.4	7.3	38.1	3112	33097
DAIRYLAND SEED EXP-11315	113		1,2,4	45.0	15.5	7.1	95	84.9	16.5	35.0	58.2	7.4	43.5	3527	23256	35.0	30.3	10.6	93	81.6	20.3	35.7	48.5	8.2	39.5	3266	34648
DAIRYLAND SEED HiDF-3413SSX	113	C500	1,2,3,4,6	39.8	19.7	7.8	94	82.8	19.6	39.5	58.0	7.4	36.9	3369	26378	31.3	32.4	10.2	97	80.2	21.1	40.6	51.3	7.6	38.0	3146	31922
DYNAGRO D58SS65	118	P500	1,2,3,4	44.6	20.5	8.9	96	83.0	17.0	36.7	53.6	7.3	42.5	3405	30371	35.0	29.4	10.3	96	79.7	19.8	38.2	46.8	7.9	38.9	3142	32446
FS InVision FS62RL1 EZR	112	P250	1,2,4,6	52.2	14.1	7.3	97	84.5	19.1	37.8	56.9	7.2	43.3	3480	25202	38.6	26.7	10.4	92	83.9	18.2	33.0	51.3	7.7	45.3	3440	33745
FS InVision FS62ZX1 RIB	112	P500	1,2,3,4	45.9	17.9	8.2	99	83.6	17.9	37.9	56.8	7.3	40.5	3428	27927	36.9	28.5	10.5	95	80.6	19.2	38.7	49.9	7.7	40.3	3191	35062
FS InVision FS63ZX1 RIB	113	P500	1,2,3,4	45.4	18.6	8.6	95	83.0	17.3	36.9	53.7	6.9	42.0	3402	29095	36.4	28.6	10.4	96	80.6	16.7	34.0	46.2	7.8	44.0	3230	35393
FS InVision FS64SX1 RIB	114	P500	1,2,3,4	42.1	19.6	8.3	96	84.3	17.6	35.9	56.3	7.3	42.4	3486	28774	35.6	29.0	10.3	94	81.1	18.3	36.7	48.4	7.9	40.6	3238	35281
GOLDEN HARVEST G14R38-3120	114	C500	1,2,4	44.4	18.2	8.1	95	84.1	18.4	37.5	57.5	7.0	40.8	3460	27962	38.1	28.2	10.7	95	82.0	17.8	34.7	48.0	7.5	42.9	3309	33782
GOLDEN HARVEST G16K01-3111	116	C500	1,2,3,4,6	40.6	22.5	8.8	95	83.6	18.9	39.0	57.9	6.9	36.6	3418	30084	35.0	30.6	10.7	93	82.1	18.9	35.9	50.1	7.2	42.5	3308	35296
GOLDEN HARVEST G18D87-3111	118	C500	1,2,3,4,6	39.4	18.1	7.5	97	83.7	18.8	39.1	58.3	7.1	38.2	3424	25607	34.2	30.2	10.3	95	80.8	20.8	38.9	50.5	7.6	38.2	3196	32834
LG SEEDS LG5606STXRIB	111	P500	1,2,3,4	42.5	18.3	8.0	98	83.9	17.7	35.6	54.9	7.2	42.8	3467	27576	36.9	28.4	10.6	95	80.0	19.1	36.9	48.2	7.9	40.1	3173	32207
LG SEEDS LG62C02STX	112	P500	1,2,3,4	46.7	18.9	8.8	95	85.3	17.1	35.5	58.4	7.3	42.9	3547	29792	35.2	29.4	10.3	90	80.7	20.4	38.6	49.9	7.9	38.2	3195	32913
LOCAL SEED LC1349 SSXRIB	113	C250	1,2,3,4	49.3	18.3	8.8	89	85.0	16.3	33.9	55.6	7.0	45.4	3543	31266	35.4	28.4	10.1	92	79.5	20.1	38.0	46.0	7.6	39.7	3134	31507
LOCAL SEED LC1600 VT3PRIB	116	C250	1,2,3	40.7	20.2	8.2	97	83.1	19.5	39.3	57.0	7.2	36.0	3388	27682	35.4	31.1	11.0 *	98	81.5	18.5	37.0	50.1	7.3	41.0	3260	35920
MASTERS CHOICE MCT-6153	111	C250	1,2,3,4	52.5	18.1	8.9	95	82.7	19.6	39.9	56.6	7.4	38.7	3358	29969	37.8	28.9	10.9 *	95	82.6	18.8	35.9	51.3	7.8	42.2	3331	36401
MASTERS CHOICE MCT-6363	113	C250	1,2,3,4	45.2	19.1	8.3	92	83.5	16.2	34.8	56.1	7.5	41.7	3447	26567	38.1	28.6	10.9 *	88	81.9	18.2	34.5	47.5	7.7	42.8	3306	36047
RENK RK842SSTX	112	C500	1,2,3,4	42.6	20.7	8.4	93	83.7	18.1	37.7	56.7	7.0	40.9	3436	28976	36.8	27.5	10.1	93	81.2	18.9	38.5	48.6	7.7	38.8	3224	32561
RUPP XRD11-57	111	P250	1,2	48.4	17.7	8.3	96	84.1	16.6	36.6	56.6	6.6	41.3	3473	28920	37.0	27.6	10.2	96	80.2	18.5	36.0	48.4	7.5	41.3	3193	34371
VIKING 53-12	112	C250	CONV	60.2	13.8	8.3	94	84.9	16.0	33.1	56.5	6.9	47.9	3543	29329	40.6	25.7	10.4	97	82.5	17.7	32.2	49.1	7.4	41.4	3266	33955
AVERAGE				45.1	18.8	8.3	95	83.6	17.9	37.1	56.5	7.1	40.9	3436	28318	36.1	29.2	10.5	94	81.1	19.1	36.9	48.9	7.6	40.6	3230	33926
HIGHEST				60.2	22.5	9.8	99	85.3	23.6	45.1	58.4	7.5	47.9	3547	33112	40.6	32.4	11.6	98	83.9	23.0	41.0	51.3	8.2	45.3	3440	37318
LOWEST				36.9	13.8	7.1	89	81.1	15.0	32.4	52.8	6.6	29.0	3194	23256	31.3	25.7	9.9	88	79.5	16.7	32.2	46.0	7.2	38.0	3112	29674
CV (%)				7.4	9.3	8.1	3	2.0	8.3	6.7	3.0	5.6	7.4	3	6	6.0	3.8	6.7	5	2.1	8.0	7.6	2.2	4.3	6.9	4	7
LSD (5%)				3.9	2.1	0.8	4	2.0	1.8	2.9	2.0	0.5	3.6	132	2137	2.5	1.3	0.8	5	2.0	1.8	3.3	1.3	0.4	3.3	147	2971

2 Year Averages 2018 - 2017				Lenawee - Late												Wood - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED EXP-11113	111		1,2,4	40.7	26.0	10.2 **	94	81.7	18.5	36.8	51.2	6.7	40.8	3312	32956	41.5	27.1	11.3 **	96	80.6	19.4	38.0	47.7	6.8	38.7	3208	36132
DAIRYLAND SEED EXP-11315	113		1,2,4	38.8	23.7	8.7	97	82.7	19.6	38.5	54.3	7.1	37.5	3353	28082	36.5	26.8	9.7	97	81.0	22.1	39.0	49.9	6.9	36.9	3210	31953
LOCAL SEED LC1349 SSXRIB	113	C250	1,2,3,4	42.4	24.1	9.8 *	91	82.4	19.8	38.4	53.0	6.6	38.5	3335	32499	39.2	25.0	9.8	94	80.2	19.7	37.4	48.1	6.8	40.1	3192	31116
LOCAL SEED LC1600 VT3PRIB	116	C250	1,2,3	37.0	25.9	9.3	97	82.6	19.5	38.5	54.7	6.6	36.6	3351	30432	39.2	27.6	10.7 *	99	82.3	18.1	35.9	50.8	6.7	41.8	3328	35505
MASTERS CHOICE MCT-6363	113	C250	1,2,3,4	39.5	23.8	9.0	93	82.4	18.1	36.6	53.7	6.9	39.0	3356	27750	39.3	26.2	10.3	93	82.3	17.9	34.2	48.4	7.2	42.8	3343	35565
AVERAGE				39.7	24.7	9.4	95	82.4	19.1	37.8	53.4	6.8	38.5	3341	30344	39.1	26.5	10.4	96	81.3	19.4	36.9	49.0	6.9	40.1	3256	34054
HIGHEST				42.4	26.0	10.2	97	82.7	19.8	38.5	54.7	7.1	40.8	3356	32956	41.5	27.6	11.3	99	82.3	22.1	39.0	50.8	7.2	42.8	3343	36132
LOWEST				37.0	23.7	8.7	91	81.7	18.1	36.6	51.2	6.6	36.6	3312	27750	36.5	25.0	9.7	93	80.2	17.9	34.2	47.7	6.7	36.9	3192	31116
CV (%)				6.8	8.9	9.2	4	2.2	8.6	6.4	4.2	5.5	7.0	4	7	7.0	4.2	8.2	3	2.8	9.6	8.3	3.0	4.6	7.8	4	8
LSD (5%)				2.4	1.5	0.7	3	1.5	1.3	2.0	1.9	0.3	2.3	98	1698	2.2	1.0	0.7	3	1.9	1.5	2.5	1.2	0.3	2.6	119	2166

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 7E. HURON, INGHAM & OTTAWA COUNTY SILAGE TRIALS - EARLY (104 Day and Earlier) ZONE 2 - 3

2018				Early - TRIAL AVERAGE												Huron - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
AGRIGOLD A633-94STX	103	P500	1,2,3,4	40.5	22.8	9.2	93	82.7	20.0	40.3	55.2	7.7	35.6	3325	28718	37.3	20.1	7.5	94	83.7	16.9	35.5	54.0	8.2	37.8	3432	23795
BLUE RIVER 51T59	103	MXL	CONV	40.5	23.6	9.5	96	83.5	17.4	35.2	53.6	7.6	42.8	3423	32438	36.9	22.4	8.5	99	84.1	15.5	32.1	53.8	8.0	43.1	3481	29487
CROPLAN 4099SS/RIB	99	ACC	1,2,3,4	42.6	23.3	9.8 *	94	83.2	18.8	38.1	54.9	7.5	40.0	3378	33011	37.4	22.5	8.4	96	83.8	16.8	34.5	53.0	7.9	41.3	3445	28945
CROPLAN 4188SS	104	ACC	1,2,3,4	43.5	22.4	9.8 *	97	83.9	16.5	34.6	52.7	7.6	43.9	3456	34270	38.8	21.5	8.4	101	83.9	15.7	34.5	53.2	7.8	44.2	3454	30589
CROPLAN S4600/RIB	104	ACC	1,2,3,4	37.8	24.1	9.0	97	78.8	23.4	44.9	51.1	7.5	30.6	3059	27956	34.0	22.5	7.7	103	79.9	23.5	45.7	54.2	8.0	26.4	3111	25074
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	45.5	19.6	8.8	94	82.8	18.6	38.0	54.2	7.9	41.2	3355	29988	40.9	18.7	7.7	99	85.1	15.9	33.6	55.6	8.5	42.5	3530	28300
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	40.0	23.5	9.3	96	82.1	18.1	37.1	53.0	8.2	39.6	3324	30467	38.5	21.5	8.3	98	83.7	16.9	35.2	53.8	9.0	39.3	3432	28402
DAIRYLAND SEED EXP-10207	102		1,2,4	41.6	24.4	10.1 *	93	83.3	17.2	33.6	50.9	7.8	42.5	3404	33812	39.9	22.5	9.2	97	84.8	14.0	31.3	51.3	8.3	45.0	3529	30411
DAIRYLAND SEED HiDF-3202PE	102	C500	1,2,6	41.9	22.7	9.4	95	83.1	18.8	37.2	53.4	8.1	38.2	3379	32090	40.4	21.3	8.7	99	85.0	14.8	31.8	52.6	8.1	43.7	3538	30794
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	37.3	26.1	9.7 *	96	83.2	20.0	37.4	54.7	7.3	40.4	3385	34018	32.9	24.9	8.2	99	83.6	18.4	35.7	55.3	7.4	40.9	3427	28123
DAIRYLAND SEED EXP-10306	103		1,2,3,4	47.5	20.1	9.5	96	84.4	16.2	33.6	53.7	7.9	44.2	3491	33018	41.7	20.0	8.3	98	85.0	14.8	32.1	53.2	8.4	43.6	3537	29418
DAIRYLAND SEED EXP-10411	104		1,2,4	40.1	24.6	9.8 *	96	84.5	17.2	34.9	55.0	7.5	42.4	3483	33268	39.2	22.3	8.7	99	85.3	16.1	32.4	54.5	7.8	43.9	3552	29190
DAIRYLAND SEED RPM-4318AM	104		1,2,4	41.0	25.2	10.3 **	94	83.5	18.1	34.8	52.8	7.4	43.3	3421	34881	37.8	25.1	9.5	98	84.8	17.0	33.7	53.3	7.5	44.3	3512	34960
DYNAGRO D39DC43	99	P500	1,2	45.8	20.7	9.4	96	85.0	16.0	33.5	55.4	7.3	44.8	3531	33974	39.4	20.6	8.1	98	85.0	15.7	32.4	53.8	7.9	43.5	3539	30719
DYNAGRO D43VC81	103	P500	1,2	43.8	22.8	10.0 *	95	84.4	16.2	34.0	52.8	7.0	44.9	3487	34816	38.8	22.3	8.7	99	84.5	15.6	32.4	52.2	7.6	43.3	3510	30607
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	43.2	20.1	8.5	94	80.9	18.9	37.9	49.8	8.4	38.6	3244	27397	39.0	21.8	8.6	99	82.7	17.8	35.6	51.4	8.4	40.9	3373	29012
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	43.6	22.1	9.5	97	82.1	18.2	35.4	50.3	7.6	40.4	3305	30883	41.6	20.2	8.4	101	82.4	18.1	34.4	48.9	7.7	41.7	3368	27007
GOLDEN HARVEST G04S19-3010	104	C250	1,2,4	41.3	23.9	9.8 *	96	83.5	17.4	35.6	55.1	7.4	42.5	3421	33280	37.4	21.6	8.1	98	84.8	16.4	35.3	57.1	7.6	41.6	3501	28359
KingFisher 52C20	102		CONV	41.2	23.1	9.3	95	83.3	18.8	38.5	56.2	7.4	38.3	3378	32071	35.8	22.2	8.0	99	84.2	18.4	37.1	57.4	7.6	37.5	3444	29352
KingFisher 54C10	104		CONV	38.5	24.7	9.6	92	83.0	18.6	36.2	53.1	7.1	40.5	3386	32564	35.2	24.5	8.7	96	83.4	17.7	35.3	52.9	7.4	39.4	3418	29568
LEGACY SEEDS L-4433 3122	101	C250	1,2,3,4,6	42.6	21.2	9.0	97	82.7	16.6	34.7	50.5	7.8	42.5	3374	30858	37.4	20.4	7.6	100	84.2	16.7	33.9	53.2	8.0	40.8	3474	26385
LEGACY SEEDS L-5217 SSX	102	A500	1,2,3,4	42.7	24.3	10.3 **	91	83.6	16.3	34.4	53.3	7.2	42.7	3437	35314	40.2	27.0	10.7 **	94	84.5	15.5	32.8	52.5	7.8	41.3	3503	37551
LEGACY SEEDS L-5350 3122	104	C250	1,2,3,4,6	38.7	23.5	9.1	94	82.0	19.0	38.2	53.0	7.3	40.1	3312	30088	32.7	21.2	6.9	98	82.5	20.5	40.1	53.1	7.5	41.4	3319	23006
LG SEEDS LG5505STXRIB	100	P500	1,2,3,4	40.0	24.5	9.7 *	96	82.5	17.4	36.4	53.3	7.8	40.0	3351	32645	35.8	22.8	8.2	97	83.8	16.2	35.4	54.1	8.3	38.3	3436	28025
LG SEEDS LG5499STXRIB	102	P500	1,2,3,4	42.9	23.3	9.9 *	96	83.6	16.9	35.5	53.0	7.4	41.8	3427	33406	40.7	21.2	8.6	101	84.3	15.1	33.2	52.8	7.8	43.1	3491	30050
MASTERS CHOICE MCT-4934	99	C250	1,2,3,4,6	43.6	20.6	9.0	93	83.0	17.8	36.5	53.1	7.9	40.9	3382	30992	40.3	19.5	7.9	95	84.8	14.3	30.6	52.0	8.3	45.4	3538	27792
MASTERS CHOICE MCT-5371	103	C250	1	40.6	22.9	9.2	91	82.8	16.6	34.8	53.1	7.2	41.5	3386	31860	37.2	21.5	7.9	90	83.7	15.4	32.0	52.5	7.5	42.6	3462	27293
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	45.4	21.6	9.6	92	83.4	18.0	36.6	53.3	7.6	41.4	3400	32715	40.3	21.1	8.7	93	83.5	16.1	32.6	51.7	7.7	44.3	3443	29786
NK Brand NK9227-3220A	92	C250	1,2,3,4,6	40.5	19.8	8.1	94	80.4	20.1	39.1	50.0	8.5	36.9	3207	26427	37.6	20.5	7.7	98	83.8	15.3	33.9	52.1	8.7	41.1	3449	26572
NK Brand NK9292-3111	92	C250	1,2,3,4,6	51.1	14.2	7.3	93	80.3	21.2	38.1	50.2	7.7	40.5	3186	24531	51.1	15.8	8.1	99	84.7	15.5	29.8	52.4	7.7	46.7	3506	28421
NK Brand NK9505-3110	95	C250	1,2,4,6	45.1	20.8	9.4	92	82.2	16.4	35.3	50.9	7.4	42.6	3345	32569	42.0	19.1	8.0	96	82.1	15.5	32.6	49.8	7.8	42.8	3355	28893
NK Brand NK0330-3120	103	C250	1,2,4	42.0	21.2	8.8	95	82.3	19.4	39.3	53.3	7.5	37.6	3316	29805	35.7	17.7	6.2	99	82.7	20.4	40.9	54.8	7.4	33.4	3320	20913
RENK RK724RR	102	C250	1	40.4	23.1	9.3	93	82.3	19.0	38.9	53.8	7.2	36.5	3310	30827	37.6	24.1	9.2	95	84.1	16.8	35.0	54.4	7.7	38.5	3433	31676
RENK 7-726SSTX	103	C500	1,2,3,4	41.0	23.9	9.8 *	88	83.0	17.1	35.3	52.3	7.6	43.6	3390	32343	38.5	21.3	8.2	89	83.2	18.4	37.0	52.9	7.9	39.2	3387	27754
RENK RK642SSTX	103	C500	1,2,3,4	41.5	22.2	9.1	94	83.2	17.3	35.9	53.3	7.4	40.8	3401	30916	39.2	19.1	7.6	98	84.8	16.3	33.2	54.1	7.9	41.2	3516	26794
RUPP XRJ99-70	99	P500	1,2,3,4	41.2	22.5	9.2	95	82.9	17.9	35.3	51.2	7.8	39.7	3340	30926	36.8	22.1	8.1	100	83.2	19.8	37.0	51.2	8.0	33.6	3262	27864
VIKING O.79-00	100		CONV	43.6	20.2	8.7	94	82.2	18.4	36.6	53.0	7.2	42.1	3336	29494	36.4	21.2	7.7	96	82.8	19.6	36.8	52.9	7.3	40.0	3367	27401
VIKING 51-04GS	104	C250	CONV	43.1	23.5	10.1 *	94	84.1	15.5	33.1	53.1	7.6	44.2	3476	35606	38.6	22.4	8.8	98	85.1	14.8	31.7	52.9	8.0	43.3	3547	31330
AVERAGE				42.2	22.5	9.4	94	82.8	18.0	36.4	52.9	7.6	40.8	3369	31691	38.4	21.5	8.3	98	83.9	16.8	34.4	53.2	7.9	41.1	3446	28674
HIGHEST				51.1	26.1	10.3	97	85.0	23.4	44.9	56.2	8.5	44.9	3531	35606	51.1	27.0	10.7	103	85.3	23.5	45.7	57.4	9.0	46.7	3552	37551
LOWEST				37.3	14.2	7.3	88	78.8	15.5	33.1	49.8	7.0	30.6	3059	24531	32.7	15.8	6.2	89	79.9	14.0	29.8	48.9	7.3	26.4	3111	20913
CV (%)				6.9	8.7	9.3	4	2.6	12.6	9.9	4.7	5.9	10.1	4	10	6.2	7.2	9.2	3	1.9	7.6	7.1	3.4	4.9	7.0	3	8
LSD (5%)				2.0	1.3	0.6	2	1.5	1.5	2.4	1.7	0.3	2.8	100	2085	2.8	1.8	0.9	3	1.9	1.5	2.9	2.1	0.5	3.4	133	2616

2018				Ingham - Early												Ottawa - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
AGRIGOLD A633-94STX	103	P500	1,2,3,4	45.8	21.3	9.7	95	83.2	20.4	41.2	57.1	6.9	35.4	3364	31334	38.3	27.1	10.4 *	91	81.2	22.8	44.1	54.4	7.9	33.7	3180	31026
BLUE RIVER 51T59	103	MXL	CONV	48.7	20.5	10.0 *	101	85.0	15.8	33.3	55.0	6.9	45.4	3544	35361	36.0	27.8	10.0	87	81.5	21.0	40.3	52.1	7.9	40.0	3244	32467
CROPLAN 4099SS/RIB	99	ACC	1,2,3,4	50.7	21.7	10.8 *	97	85.3	16.8	36.1	58.5	7.1	43.7	3532	37995	39.8	25.8	10.2	89	80.7	22.8	43.8	53.2	7.4	35.1	3157	32094
CROPLAN 4188SS	104	ACC	1,2,3,4	49.3	20.2	10.1 *	99	84.5	17.6	35.7	54.2	7.2	41.8	3492	35362	42.3	25.5	10.8 *	91	83.4	16.3	33.7	50.8	7.7	45.8	3421	36858
CROPLAN S4600/RIB	104	ACC	1,2,3,4	44.3	21.0	9.3	99	79.9	23.0	44.7	52.2	7.2	31.0	3144	29253	35.2	28.7	10.1	90	76.5	23.9	44.3	47.0	7.3	34.5	2922	29543
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	54.2	17.5	9.5	97	83.8	19.2	38.1	55.5	7.1	41.6	3429	32579	41.5	22.4	9.4	85	79.5	20.7	42.4	51.5	8.0	39.6	3106	29085
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	43.8	20.4	8.9	97	83.1	18.4	38.2	55.6	7.8	37.9	3383	30212	37.7	28.6	10.8 *	92	79.6	19.1	37.9	49.6	7.7	41.6	3155	32789
DAIRYLAND SEED EXP-10207	102		1,2,4	46.8	22.4	10.4 *	97	83.7	17.5	31.8	50.6	7.5	41.3	3415	35609	38.3	28.5	10.9 *	87	81.4	20.1	37.7	50.8	7.6	41.2	3268	35416
DAIRYLAND SEED HiDF-3202PE	102	C500	1,2,6	45.8	20.3	9.1	94	83.2	21.0	40.1	55.4	7.9	33.9	3370	33111	39.5	26.6	10.5 *	91	81.1	20.7	39.6	52.3	8.2	37.1	3228	32366
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	43.6	23.5	10.4 *	96	84.8	19.4	36.7	55.8	7.2	40.4	3496	38497	35.2	29.9	10.5 *	92	81.2	22.1	39.9	53.0	7.3	39.9	3233	35435
DAIRYLAND SEED EXP-10306	103		1,2,3,4	54.6	18.2	10.0 *	97	85.4	15.6	32.3	54.6	7.5	45.7	3572	35544	46.1	22.0	10.1	93	82.9	18.2	36.6	53.5	7.7	43.4	3364	34090
DAIRYLAND SEED EXP-10411	104		1,2,4	45.7	22.6	10.3 *	96	85.3	16.7	36.0	57.9	7.3	40.2	3536	35384	35.4	28.8	10.5 *	92	82.8	18.8	36.2	52.5	7.5	43.1	3362	35231
DAIRYLAND SEED RPM-4318AM	104		1,2,4	46.5	22.4	10.5 *	97	84.5	17.1	31.9	53.5	7.4	44.3	3502	34674	38.6	28.0	10.8 *	88	81.3	20.3	38.8	51.7	7.3	41.2	3249	35009
DYNAGRO D39DC43	99	P500	1,2	52.7	19.2	10.1 *	99	86.3	16.1	33.0	58.5	6.6	46.0	3624	36529	45.5	22.3	10.1	91	83.8	16.3	35.1	53.8	7.3	44.9	3430	34673
DYNAGRO D43VC81	103	P500	1,2	50.4	20.4	10.4 *	97	84.9	16.3	34.9	53.1	6.5	46.1	3520	36592	42.1	25.8	10.9 *	88	83.7	16.8	34.8	53.1	6.8	45.2	3431	37250
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	51.4	15.0	7.7	95	79.7	17.9	37.1	45.9	8.7	37.1	3194	22756	39.3	23.6	9.2	89	80.3	20.9	41.1	52.1	8.1	37.9	3166	30422
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	50.6	19.3	9.7	100	84.3	16.6	33.2	52.7	7.5	44.1	3500	33946	38.6	26.9	10.4 *	89	79.5	19.9	38.4	49.2	7.7	35.4	3045	31695
GOLDEN HARVEST G04S19-3010	104	C250	1,2,4	49.2	21.0	10.3 *	96	83.8	16.3	33.4	55.1	7.0	45.4	3465	35758	37.2	29.2	10.8 *	95	82.1	19.5	38.2	53.0	7.6	40.4	3299	35723
KingFisher 52C20	102		CONV	49.1	19.1	9.6	98	84.4	18.8	38.4	58.2	7.0	38.2	3459	33019	38.6	28.1	10.5 *	89	81.2	19.2	39.9	53.0	7.6	39.1	3230	33842
KingFisher 54C10	104		CONV	44.0	21.7	9.9	92	84.4	16.8	34.2	54.6	6.7	43.1	3502	34784	36.4	27.9	10.3	88	81.2	21.2	39.2	51.9	7.3	38.9	3238	33341
LEGACY SEEDS L-4433 3122	101	C250	1,2,3,4,6	50.8	18.1	9.6	99	83.7	13.4	30.0	47.4	7.7	47.3	3478	34886	39.5	25.2	9.9	91	80.2	19.8	40.3	50.9	7.7	39.5	3168	31302
LEGACY SEEDS L-5217 SSX	102	A500	1,2,3,4	47.6	20.9	9.9	91	84.1	15.3	33.4	55.2	6.7	44.5	3485	34535	40.5	25.1	10.2	89	82.3	18.1	37.1	52.3	7.2	42.3	3323	33857
LEGACY SEEDS L-5350 3122	104	C250	1,2,3,4,6	44.7	22.6	10.0 *	97	81.7	18.6	38.0	55.5	7.0	38.1	3308	33098	38.9	26.7	10.3	89	81.9	18.0	36.5	50.5	7.5	40.9	3309	34159
LG SEEDS LG5505STXRIB	100	P500	1,2,3,4	46.8	22.8	10.7 *	97	84.3	15.9	34.0	53.6	7.6	43.0	3490	39222	37.3	28.0	10.4 *	93	79.4	20.2	39.8	52.3	7.6	38.6	3127	30688
LG SEEDS LG5499STXRIB	102	P500	1,2,3,4	47.6	21.1	10.0 *	97	83.4	18.6	38.1	54.3	6.9	38.7	3406	34057	40.6	27.7	11.2 **	88	83.0	17.2	35.4	52.0	7.6	43.6	3383	36110
MASTERS CHOICE MCT-4934	99	C250	1,2,3,4,6	50.0	20.0	10.0 *	95	83.7	20.2	38.8	56.0	7.7	37.1	3414	36309	40.6	22.4	9.1	90	80.6	19.0	39.9	51.3	7.8	40.2	3194	28875
MASTERS CHOICE MCT-5371	103	C250	1	47.1	19.9	9.4	93	84.6	13.5	31.5	55.3	6.8	45.6	3530	35912	37.6	27.2	10.2	91	80.2	20.9	40.9	51.7	7.3	36.4	3167	32376
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	55.2	18.8	10.1 *	93	85.0	17.1	36.0	56.2	7.3	42.6	3516	35320	40.6	25.1	10.2	92	81.7	20.8	41.3	52.0	7.8	37.4	3240	33040
NK Brand NK9227-3220A	92	C250	1,2,3,4,6	41.4	15.8	6.9	93	75.3	28.2	49.3	47.5	8.7	26.4	2838	20113	42.5	23.1	9.8	90	82.1	16.7	34.1	50.4	8.1	43.4	3334	32596
NK Brand NK9292-3111	92	C250	1,2,3,4,6													51.1	12.7	6.5	87	75.9	26.9	46.4	48.0	7.7	34.3	2866	20640
NK Brand NK9505-3110	95	C250	1,2,4,6	49.7	19.6	9.8	93	82.7	16.6	36.4	52.3	7.6	42.2	3376	34710	43.7	23.7	10.3	88	81.9	17.2	36.8	50.6	6.9	42.8	3303	34103
NK Brand NK0330-3120	103	C250	1,2,4	50.7	18.9	9.6	97	83.0	20.4	41.7	56.1	7.3	35.6	3347	34048	39.6	27.1	10.5 *	89	81.3	17.4	35.3	49.1	7.9	43.6	3281	34453
RENK RK724RR	102	C250	1	45.0	19.4	8.8	94	82.5	18.4	39.3	55.5	6.9	37.1	3344	29445	38.8	25.9	10.0	90	80.3	21.7	42.5	51.4	7.1	34.1	3152	31360
RENK 7-726SSTX	103	C500	1,2,3,4	46.2	22.1	10.2 *	90	84.8	16.3	34.4	53.8	7.4	47.2	3515	33960	38.3	28.3	10.9 *	84	81.0	16.7	34.6	50.3	7.5	44.4	3269	35313
RENK RK642SSTX	103	C500	1,2,3,4	47.5	20.0	9.5	95	83.6	17.9	37.3	56.0	6.8	39.2	3425	32615	37.8	27.6	10.2	89	81.3	17.8	37.4	49.9	7.4	41.9	3263	33341
RUPP XRJ99-70	99	P500	1,2,3,4	46.5	21.3	9.9	97	83.4	17.9	35.4	53.1	7.6	39.3	3410	33777	40.5	24.1	9.8	88	82.2	16.2	33.5	49.2	7.9	46.1	3348	31136
VIKING O.79-00	100		CONV	55.5	17.4	9.7	95	82.6	16.5	35.4	54.5	6.6	43.8	3384	32653	39.0	22.1	8.7	92	81.3	19.1	37.5	51.6	7.7	42.7	3257	28429
VIKING 51-04GS	104	C250	CONV	51.2	21.4	11.0 **	97	86.1	13.1	29.6	52.8	7.2	48.7	3633	38149	39.5	26.8	10.6 *	87	81.2	18.5	38.0	53.7	7.7	40.6	3247	37339
AVERAGE				48.4	20.2	9.8	96	83.6	17.7	36.2	54.3	7.3	41.1	3431	33814	39.7	25.8	10.2	90	81.1	19.5	38.7	51.5	7.6	40.3	3236	32828
HIGHEST				55.5	23.5	11.0	101	86.3	28.2	49.3	58.5	8.7	48.7	3633	39222	51.1	29.9	11.2	95	83.8	26.9	46.4	54.4	8.2	46.1	3431	37339
LOWEST				41.4	15.0	6.9	90	75.3	13.1	29.6	45.9	6.5	26.4	2838	20113	35.2	12.7	6.5	84	75.9	16.2	33.5	47.0	6.8	33.7	2866	20640
CV (%)				5.5	6.9	8.6	3	2.6	8.7	8.4	5.7	6.3	8.8	4	8	6.2	7.0	7.0	5	2.6	8.6	7.9	3.1	5.0	7.8	4	6
LSD (5%)				3.1	1.6	1.0	4	2.5	1.8	3.6	3.7	0.5	4.2	161	3070	2.9	2.1	0.8	5	2.5	2.0	3.6	1.9	0.4	3.7	167	2492

-2 Year Averages Continued On Page 40.

TABLE 7L. HURON, INGHAM & OTTAWA COUNTY SILAGE TRIALS - LATE (105 Day and Later) ZONE 2 - 3

2018				Late - TRIAL AVERAGE												Huron - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
AGRIGOLD A638-94STX	108	P500	1,2,3,4	40.9	22.6	9.2	92	83.7	17.2	34.7	54.3	7.4	43.3	3447	31122	40.5	20.3	8.5 *	96	84.6	16.1	33.6	54.0	7.5	42.4	3513	29745
AGRIGOLD A639-40VT2RIB	109	P500	1,2	40.3	24.6	9.9	96	83.8	17.6	35.5	54.2	7.5	41.6	3444	33352	36.9	21.2	7.9	98	84.3	17.1	35.2	55.1	7.9	41.3	3478	27323
BECK 5829A4	108		1,2,3,4,6	38.7	26.9	10.3 *	94	84.3	18.6	37.3	57.3	7.4	38.7	3456	35440	36.1	23.9	8.7 *	92	85.7	17.1	35.1	59.3	8.1	37.9	3564	30823
CROPLAN 4791AS3111GT	106	ACC	1,2,3,4,6	37.5	26.1	9.8	97	83.3	19.3	40.0	57.5	7.0	35.6	3334	32041	35.3	23.0	8.2	100	84.9	17.4	37.3	59.6	7.7	34.1	3420	28047
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	38.8	24.4	9.4	95	81.4	19.8	38.6	51.9	7.9	36.7	3273	31233	37.5	20.2	7.6	97	81.9	19.8	40.3	54.9	8.3	32.4	3294	25918
DAIRYLAND SEED EXP-10617	106		1,2,3,4	38.5	25.7	9.9	96	83.2	17.5	35.3	52.8	8.3	40.2	3387	33738	34.8	22.4	7.8	95	83.1	19.2	37.9	55.4	8.4	35.7	3388	24874
DAIRYLAND SEED RPM-562XRR	106		1,2,4	39.0	25.9	10.0 *	93	84.4	16.3	33.6	54.6	7.6	43.8	3491	34750	36.7	24.9	9.1 *	96	84.9	14.3	30.0	53.4	8.0	46.3	3553	32359
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	36.2	26.0	9.4	96	80.1	20.6	40.0	52.3	7.0	36.3	3194	29199	35.4	22.2	7.8	97	83.3	17.0	35.1	55.4	7.6	39.4	3421	25212
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	36.6	27.5	9.9	97	81.7	20.4	39.4	55.1	7.4	35.3	3257	33097	34.2	23.7	8.1	98	83.3	18.1	36.3	57.8	7.6	33.2	3336	27578
DAIRYLAND SEED RPM-4816AM	108		1,2,4	38.1	25.8	9.7	97	84.3	16.6	35.5	56.2	8.3	40.7	3457	34016	34.1	24.1	8.2	102	83.9	18.7	37.1	56.5	8.4	38.3	3438	29729
DAIRYLAND SEED DS-7909PE	109	C500	1,2,4,6	40.2	25.2	10.1 *	96	82.7	18.1	37.8	53.4	7.1	39.8	3358	33662	37.5	22.1	8.3	99	84.5	17.1	35.3	56.0	7.6	38.3	3493	28907
DAIRYLAND SEED EXP-11016	110		1,2,4	38.8	26.1	9.8	96	84.3	17.2	34.7	55.6	8.4	41.2	3475	33708	35.2	23.9	8.4 *	100	85.1	17.1	35.5	57.9	8.8	37.4	3519	29554
DAIRYLAND SEED HiDF-3211RA	111	C500	1,2,3,4,6	36.0	28.0	10.0 *	94	82.4	18.1	36.8	53.4	7.5	39.8	3348	34163	33.1	24.9	8.3	97	82.5	17.6	35.8	55.1	7.6	38.6	3371	30328
DYNAGRO D47SS29	107	P500	1,2,3,4	40.4	23.7	9.4	93	82.4	17.4	36.6	52.3	7.5	40.9	3351	31520	37.4	21.5	8.1	92	82.9	16.3	36.3	53.0	7.9	40.5	3392	27353
GOLDEN HARVEST G08M20-3010	108	C500	1,2,4	40.7	26.0	10.5 **	95	83.8	16.0	34.6	53.1	7.8	43.4	3449	36564	38.2	23.6	9.0 *	96	83.7	16.5	34.2	52.3	8.1	41.7	3455	32575
GOLDEN HARVEST G09A86-3110	109	C500	1,2,4,6	39.1	24.4	9.5	98	83.0	17.9	37.7	54.9	7.9	39.2	3373	31304	36.7	21.9	8.0	100	83.6	18.4	37.8	56.6	8.2	36.5	3416	27356
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	36.1	24.9	8.9	93	81.9	18.9	39.1	55.5	7.6	34.8	3277	28255	33.2	21.9	7.3	99	82.9	17.8	37.0	57.2	7.8	31.9	3354	24806
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4	38.1	26.5	10.0 *	95	81.6	19.4	38.6	53.0	7.7	38.3	3285	32573	37.4	21.1	7.9	99	82.7	19.7	38.7	55.3	7.8	36.7	3359	26560
KingFisher 58C80	108		CONV	37.8	25.2	9.4	93	83.0	19.1	37.7	55.2	7.9	37.0	3347	31696	34.7	22.6	7.9	93	83.3	18.7	37.8	55.9	8.0	34.0	3331	26143
LEGACY SEEDS L-6838 3010	108	C250	1,2,3,4	40.6	24.1	9.7	95	82.9	17.3	36.3	52.8	7.6	41.3	3384	32708	37.1	22.7	8.4 *	99	83.2	17.5	35.7	53.0	7.6	40.2	3416	28620
LEGACY SEEDS L-6937 3111	109	C250	1,2,3,4,6	40.1	24.9	9.9	96	82.7	17.8	36.8	53.2	8.0	40.4	3368	32798	38.4	23.0	8.8 *	97	83.0	19.2	37.0	54.2	8.2	38.2	3391	29835
LG SEEDS LG5525VT2RIB	105	P500	1,2,3	44.2	22.0	9.8	97	83.8	17.4	35.9	54.6	7.4	42.4	3438	33066	41.4	20.0	8.3	102	84.1	17.8	36.9	55.4	7.5	40.9	3457	28519
LG SEEDS LG57C28VT2PRO	107	P500	1,2,3	41.0	23.4	9.4	97	81.8	18.4	37.1	51.4	7.1	40.3	3313	31481	41.3	18.3	7.6	95	84.0	16.1	33.7	52.5	7.3	41.6	3479	26451
LG SEEDS LG58C77VT2PRO	107	P500	1,2,3	38.7	25.1	9.6	94	82.4	17.6	35.3	52.7	7.7	38.5	3338	33050	38.9	22.1	8.6 *	96	84.2	15.5	32.3	53.8	7.9	37.8	3470	31067
LG SEEDS LG5565STXRIB	108	P500	1,2,3,4	36.7	25.6	9.3	93	83.2	16.7	36.1	53.9	7.3	40.0	3371	31207	35.6	21.0	7.3	97	83.4	17.1	37.2	55.4	7.7	38.7	3411	24846
M&W SEEDS 44R35	105	P250	1,2	43.0	23.0	9.8	95	84.1	16.8	34.4	53.0	8.0	42.3	3465	34469	40.4	20.8	8.4 *	98	84.4	15.0	32.0	51.1	8.5	42.7	3507	30759
M&W SEEDS 44D81	108	P250	1,2	40.7	24.4	9.9	95	83.8	15.5	34.2	52.5	7.8	42.7	3453	34149	39.1	20.2	7.9	95	84.4	15.9	33.9	53.8	8.3	40.1	3494	27438
MASTERS CHOICE MCT-5663	106	C250	1,2,3,4	38.1	23.9	9.1	91	82.7	18.9	37.5	54.6	7.4	38.7	3360	31317	37.7	21.2	8.0	91	84.2	17.7	35.5	55.5	7.6	38.5	3474	29190
RENK RK717SSTX	105	C500	1,2,3,4	43.3	22.3	9.6	94	82.3	18.0	36.9	52.0	7.6	40.4	3341	31921	41.4	18.8	7.8	100	83.6	15.7	34.5	52.3	7.9	40.6	3443	26683
RENK RK710DGVT2P	106	C250	1,2	38.8	25.0	9.8	93	81.2	21.0	41.5	53.4	7.0	36.6	3237	31503	36.6	22.0	8.3	96	82.1	20.9	42.5	54.5	7.1	35.3	3287	27156
RENK RK737SSTX	106	C500	1,2,3,4	40.7	23.1	9.3	95	83.3	17.7	36.5	53.6	7.4	40.6	3403	31722	38.5	21.8	8.4 *	101	84.0	16.7	34.8	53.9	7.8	39.8	3467	29030
RENK RK859DGVT2P	109	C250	1,2	37.9	24.2	9.1	95	82.8	18.1	36.6	52.4	7.8	40.6	3371	30110	38.9	20.0	7.7	97	84.3	16.1	33.8	53.5	8.2	41.6	3493	25583
RENK RK842SSTX	112	C500	1,2,3,4	37.2	26.9	10.0 *	93	82.8	18.0	37.2	53.8	7.9	39.6	3371	33525	36.4	25.1	9.2 **	96	84.0	17.0	35.3	54.5	8.1	39.9	3460	31804
SEED CONSULTANTS SC 10AGT59™	105	C250	1,2,4	42.8	22.0	9.4	95	84.0	15.7	34.7	54.9	8.3	42.3	3458	33629	38.5	18.5	7.1	97	83.4	16.7	37.4	55.5	8.6	38.8	3406	24192
SEED CONSULTANTS SCS 1087YHR	108	C250	1,2,4	36.1	28.1	10.1 *	97	83.4	17.4	36.4	55.1	7.4	39.6	3386	34636	33.6	24.2	8.1	100	83.5	18.8	37.8	56.3	7.7	34.0	3341	27029
SEED CONSULTANTS SCS 1125YHR	112	C250	1,2,4	34.7	27.1	9.4	94	83.2	18.0	36.2	53.6	8.1	39.2	3399	31561	33.3	22.9	7.6	98	83.7	18.3	36.6	55.5	8.5	35.5	3431	26067
AVERAGE				39.1	25.0	9.7	95	82.9	17.9	36.7	53.9	7.6	39.8	3374	32619	37.0	22.0	8.1	97	83.7	17.4	35.9	55.0	7.9	38.4	3431	28041
HIGHEST				44.2	28.1	10.5	98	84.4	21.0	41.5	57.5	8.4	43.8	3491	36564	41.4	25.1	9.2	102	85.7	20.9	42.5	59.6	8.8	46.3	3564	32575
LOWEST				34.7	22.0	8.9	91	80.1	15.5	33.6	51.4	7.0	34.8	3194	28255	33.1	18.3	7.1	91	81.9	14.3	30.0	51.1	7.1	31.9	3287	24192
CV (%)				5.7	5.9	7.5	4	2.1	8.4	7.3	3.6	5.2	8.2	3	7	5.9	6.2	8.6	3	2.0	7.9	7.2	3.1	5.0	7.4	3	7
LSD (5%)				1.5	1.0	0.5	3	1.2	1.0	1.8	1.3	0.3	2.2	79	1484	2.5	1.6	0.8	4	1.9	1.6	3.0	2.0	0.5	3.3	124	2431

2018				Ingham - Late												Ottawa - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
AGRIGOLD A638-94STX	108	P500	1,2,3,4	44.4	20.9	9.1	96	84.0	16.4	34.3	56.6	6.8	44.4	3479	31764	37.7	26.7	10.1	85	82.6	19.1	36.3	52.2	8.0	43.0	3349	31858
AGRIGOLD A639-40VT2RIB	109	P500	1,2	45.0	22.2	10.0	97	83.4	19.3	37.5	55.8	6.6	39.2	3419	32198	39.0	30.3	11.8 **	91	83.7	16.4	33.8	51.8	8.1	44.3	3435	40534
BECK 5829A4	108		1,2,3,4,6	45.7	24.2	11.1 *	92	85.8	16.5	34.6	58.9	6.8	42.5	3581	39685	34.2	32.5	11.1 *	97	81.5	22.2	42.2	53.9	7.3	35.7	3224	35814
CROPLAN 4791AS3111GT	106	ACC	1,2,3,4,6	40.8	23.2	9.5	97	82.6	21.6	42.6	58.9	6.2	34.4	3282	29742	36.4	32.1	11.6 *	93	82.4	18.8	40.3	54.0	7.1	38.3	3299	38334
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	44.3	23.4	10.3	92	83.1	18.1	35.6	52.5	7.1	42.2	3411	35218	34.5	29.5	10.5	97	79.3	21.6	39.9	48.2	8.1	35.5	3115	32563
DAIRYLAND SEED EXP-10617	106		1,2,3,4	46.2	23.4	10.9	99	84.0	15.1	32.0	51.6	7.8	43.5	3431	40073	34.6	31.4	10.9	93	82.5	18.2	36.1	51.5	8.7	41.5	3343	36266
DAIRYLAND SEED RPM-562XRR	106		1,2,4	45.3	22.1	10.0	94	85.7	15.8	33.4	57.2	7.0	44.0	3585	35875	35.1	30.8	10.8	90	82.5	19.0	37.3	53.1	7.7	41.0	3334	36014
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	40.0	24.5	9.8	100	78.7	22.4	42.7	52.7	6.0	33.7	3103	30442	33.3	31.3	10.5	90	78.5	22.3	42.1	48.9	7.4	35.7	3057	31942
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	43.6	25.3	11.0 *	96	84.0	19.9	38.7	56.7	6.8	38.1	3437	37855	32.2	33.4	10.7	95	77.7	23.2	43.2	50.9	7.8	34.8	3000	33857
DAIRYLAND SEED RPM-4816AM	108		1,2,4	45.9	21.5	9.9	96	86.3	14.5	31.9	59.2	7.8	44.1	3585	37695	34.4	31.7	10.9	93	82.9	16.7	37.6	52.9	8.6	39.6	3347	34623
DAIRYLAND SEED DS-7909PE	109	C500	1,2,4,6	45.8	23.1	10.6	99	82.0	18.3	40.6	53.6	6.4	40.6	3308	35116	37.4	30.3	11.3 *	91	81.5	18.9	37.5	50.6	7.4	40.4	3274	36962
DAIRYLAND SEED EXP-11016	110		1,2,4	50.0	22.1	11.0 *	99	86.2	15.4	31.4	56.0	7.6	46.8	3631	39906	31.4	32.3	10.1	90	81.6	19.0	37.3	53.1	8.6	39.5	3275	31664
DAIRYLAND SEED HiDF-3211RA	111	C500	1,2,3,4,6	41.8	26.2	10.9	97	83.9	17.4	35.4	54.5	7.0	41.6	3463	37649	33.0	32.9	10.8	89	80.7	19.2	39.1	50.5	7.8	39.1	3209	34512
DYNAGRO D47SS29	107	P500	1,2,3,4	47.6	21.4	10.0	96	83.5	17.0	36.8	55.0	6.7	40.3	3426	34177	36.4	28.1	10.2	90	80.8	18.8	36.9	49.1	8.0	41.9	3235	33032
GOLDEN HARVEST G08M20-3010	108	C500	1,2,4	47.5	22.2	10.8	95	85.7	13.9	32.6	56.1	7.3	46.2	3592	38925	36.4	32.3	11.6 *	95	81.9	17.5	36.9	50.9	7.9	42.1	3299	38193
GOLDEN HARVEST G09A86-3110	109	C500	1,2,4,6	45.6	23.0	10.5	103	84.4	16.6	36.1	56.9	7.4	41.8	3485	36402	35.1	28.3	9.9	91	80.8	18.8	39.2	51.3	8.2	39.3	3216	30154
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	42.1	22.6	9.5	97	82.2	19.0	40.8	56.6	6.8	34.1	3278	29506	33.2	30.2	10.0	84	80.6	20.0	39.5	52.8	8.1	38.5	3199	30453
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4	44.1	26.9	11.9 **	98	83.6	17.2	36.1	54.4	7.2	41.8	3435	40860	32.8	31.5	10.3	89	78.4	21.3	41.0	49.2	8.2	36.6	3060	30300
KingFisher 58C80	108		CONV	48.5	23.1	11.2 *	97	86.0	15.7	33.2	57.8	7.4	44.8	3604	40187	30.4	30.0	9.3	88	79.8	23.0	42.0	51.9	8.2	32.2	3104	28760
LEGACY SEEDS L-6838 3010	108	C250	1,2,3,4	46.7	20.3	9.5	96	83.1	16.6	36.8	53.9	7.1	41.1	3401	32257	38.1	29.4	11.2 *	90	82.4	17.8	36.3	51.6	8.0	42.8	3336	37246
LEGACY SEEDS L-6937 3111	109	C250	1,2,3,4,6	45.2	22.8	10.3	96	84.1	15.2	35.0	54.7	7.7	42.9	3475	34146	36.7	29.0	10.6	94	81.1	19.1	38.5	50.9	8.3	40.1	3238	34413
LG SEEDS LG5525VT2RIB	105	P500	1,2,3	48.7	22.7	11.2 *	95	83.8	16.6	34.4	56.5	7.2	43.8	3459	38660	42.6	23.3	10.0	94	83.5	17.7	36.4	51.9	7.5	42.4	3397	32020
LG SEEDS LG57C28VT2PRO	107	P500	1,2,3	44.3	22.7	9.7	101	81.0	19.5	39.5	53.4	6.7	38.3	3259	31535	37.4	29.2	10.9	95	80.3	19.4	38.0	48.3	7.5	40.9	3201	36456
LG SEEDS LG58C77VT2PRO	107	P500	1,2,3	41.9	22.2	9.3	94	83.1	17.9	36.5	55.3	7.3	40.3	3402	31597	35.3	31.0	10.9	93	80.0	19.2	37.2	49.0	7.9	37.3	3143	36487
LG SEEDS LG5565STXRIB	108	P500	1,2,3,4	38.6	25.8	10.1	99	83.3	15.3	33.9	52.2	6.7	41.3	3342	32836	35.9	29.9	10.7	84	83.0	17.8	37.3	54.2	7.5	40.0	3360	35937
M&W SEEDS 44R35	105	P250	1,2	48.3	21.3	10.3	96	84.4	18.5	36.3	55.3	7.3	40.9	3482	35874	40.2	26.9	10.8	90	83.4	16.9	35.0	52.6	8.2	43.3	3405	36772
M&W SEEDS 44D81	108	P250	1,2	45.7	24.0	11.0 *	99	84.6	14.2	33.3	53.5	7.3	44.4	3519	38643	37.3	29.1	10.9	90	82.4	16.4	35.4	50.3	7.9	43.5	3347	36367
MASTERS CHOICE MCT-5663	106	C250	1,2,3,4	42.1	21.3	9.2	88	82.0	18.8	37.9	55.1	6.6	38.6	3331	30682	34.4	29.0	10.0	93	81.8	20.2	38.9	53.3	7.9	39.0	3276	34078
RENK RK717SSTX	105	C500	1,2,3,4	48.4	20.9	10.1	96	83.2	17.5	36.2	53.6	7.1	42.0	3416	34582	40.2	27.1	10.9	85	80.1	20.9	40.1	50.2	7.7	38.7	3165	34499
RENK RK710DGVT2P	106	C250	1,2	42.7	22.9	9.8	99	81.5	20.3	40.0	53.8	6.5	37.5	3286	32194	37.1	30.1	11.2 *	85	79.9	21.9	41.9	51.9	7.4	37.0	3138	35160
RENK RK737SSTX	106	C500	1,2,3,4	44.7	19.3	8.7	92	83.0	18.4	37.9	55.2	6.6	38.7	3391	29501	38.8	28.3	10.9	92	82.8	18.0	36.9	51.7	7.7	43.4	3353	36635
RENK RK859DGVT2P	109	C250	1,2	41.8	23.6	9.9	95	83.6	17.5	36.3	53.1	7.3	41.2	3436	33917	33.1	29.2	9.7	92	80.4	20.7	39.8	50.6	7.9	39.0	3184	30829
RENK RK842SSTX	112	C500	1,2,3,4	39.8	24.5	9.8	98	83.0	18.7	38.7	55.9	7.2	38.4	3378	33058	35.3	30.9	10.9	84	81.6	18.3	37.6	51.1	8.4	40.6	3274	35713
SEED CONSULTANTS SC 10AGT59™	105	C250	1,2,4	50.0	20.2	10.3	96	85.3	14.6	33.3	55.8	7.7	44.5	3560	36587	40.0	27.4	11.0 *	93	83.3	15.7	33.4	53.4	8.6	43.7	3408	40110
SEED CONSULTANTS SCS 1087YHR	108	C250	1,2,4	42.1	26.8	11.3 *	98	85.3	14.2	34.0	56.5	6.9	44.7	3555	42481	32.7	33.4	10.9	93	81.3	19.3	37.3	52.5	7.6	40.1	3263	34399
SEED CONSULTANTS SCS 1125YHR	112	C250	1,2,4	39.1	26.2	10.4	99	84.8	16.3	34.2	55.4	7.5	43.1	3520	36694	31.8	32.4	10.3	87	81.1	19.5	37.8	50.1	8.4	38.9	3246	31923
AVERAGE				44.6	23.0	10.2	97	83.7	17.2	36.1	55.3	7.0	41.3	3437	35237	35.7	30.0	10.7	91	81.3	19.2	38.2	51.4	7.9	39.7	3253	34580
HIGHEST				50.0	26.9	11.9	103	86.3	22.4	42.7	59.2	7.8	46.8	3631	42481	42.6	33.4	11.8	97	83.7	23.2	43.2	54.2	8.7	44.3	3435	40534
LOWEST				38.6	19.3	8.7	88	78.7	13.9	31.4	51.6	6.0	33.7	3103	29501	30.4	23.3	9.3	84	77.7	15.7	33.4	48.2	7.1	32.2	3000	28760
CV (%)				5.8	6.0	7.6	3	2.0	7.9	7.9	4.5	5.6	8.7	4	7	5.2	5.3	6.4	6	2.1	8.9	6.7	2.9	4.9	8.2	4	7
LSD (5%)				3.0	1.6	0.9	4	2.0	1.6	3.4	2.9	0.5	4.2	148	2783	2.2	1.9	0.8	6	2.0	2.0	3.0	1.7	0.5	3.8	140	2738

-2 Year Averages Continued On Page 41.

TABLE 7E - Continued from page 37. HURON, INGHAM & OTTAWA COUNTY SILAGE TRIALS - EARLY (104 Day and Earlier) ZONE 2 - 3

2 Year Averages 2018 - 2017				Early - TRIAL AVERAGE												Huron - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
CROPLAN 4099SS/RIB	99	ACC	1,2,3,4	42.2	23.8	10.0 **	97	82.3	18.4	36.8	51.5	7.1	40.6	3319	33012	40.9	21.2	8.5 *	98	82.7	18.3	36.1	52.1	6.8	40.7	3366	29532
CROPLAN 4188SS	104	ACC	1,2,3,4	43.9	22.6	9.8 *	97	82.7	17.8	35.5	49.9	7.4	43.4	3363	33056	43.0	19.8	8.5 *	98	83.7	16.6	34.2	51.3	7.0	44.1	3440	30656
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	45.6	19.9	9.0	96	82.5	18.5	36.9	52.5	7.6	41.5	3339	30321	46.6	17.5	8.1	99	84.1	17.6	34.8	55.0	7.3	41.8	3459	28616
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	42.6	22.7	9.6 *	97	81.6	18.1	36.8	49.9	7.7	40.5	3283	31148	43.3	20.5	8.8 *	98	83.2	17.1	34.5	51.1	7.6	41.9	3408	30026
DAIRYLAND SEED EXP-10207	102		1,2,4	42.3	23.6	9.9 *	94	83.1	16.9	33.2	50.5	7.6	43.2	3420	33222	43.2	20.8	9.0 *	96	84.2	15.4	32.3	51.0	7.3	45.1	3484	30557
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	37.9	24.8	9.3	97	83.0	18.8	36.1	52.9	7.1	41.2	3356	32154	37.7	21.4	7.8	99	84.4	17.4	34.1	54.9	6.8	42.5	3484	27205
DAIRYLAND SEED RPM-4318AM	104		1,2,4	40.0	24.7	9.8 *	96	83.0	18.0	34.4	50.6	7.1	43.0	3387	33194	40.8	21.5	8.7 *	99	84.7	16.6	32.8	52.6	6.8	45.2	3515	31164
DYNAGRO D39DC43	99	P500	1,2	45.5	21.5	9.7 *	98	83.8	17.3	34.4	53.1	7.0	44.1	3428	33548	46.1	18.7	8.5 *	98	85.2	15.0	30.8	53.0	6.9	45.4	3534	30105
MASTERS CHOICE MCT-5371	103	C250	1	41.5	22.4	9.2	95	82.4	17.2	34.9	50.7	6.9	41.0	3339	31653	41.1	19.0	7.7	95	84.0	16.1	32.3	52.1	6.7	42.3	3447	26360
RENK RK724RR	102	C250	1	41.5	23.0	9.5	94	82.6	17.9	35.7	52.6	7.0	40.0	3365	31845	42.4	21.6	9.1 **	95	83.8	16.2	33.5	53.3	6.8	42.0	3442	31279
RENK RK642SSTX	103	C500	1,2,3,4	41.5	24.3	9.9 *	96	83.2	17.1	34.9	51.7	7.1	41.8	3399	33660	42.6	19.5	8.4	99	83.5	17.2	34.3	52.0	6.8	41.9	3433	28756
AVERAGE				42.2	23.0	9.6	96	82.7	17.8	35.4	51.4	7.2	41.8	3363	32438	42.5	20.1	8.5	98	84.0	16.7	33.6	52.6	7.0	43.0	3456	29478
HIGHEST				45.6	24.8	10.0	98	83.8	18.8	36.9	53.1	7.7	44.1	3428	33660	46.6	21.6	9.1	99	85.2	18.3	36.1	55.0	7.6	45.4	3534	31279
LOWEST				37.9	19.9	9.0	94	81.6	16.9	33.2	49.9	6.9	40.0	3283	30321	37.7	17.5	7.7	95	82.7	15.0	30.8	51.0	6.7	40.7	3366	26360
CV (%)				6.7	7.9	8.9	4	2.9	11.8	9.4	7.0	5.6	9.2	5	9	6.0	6.9	8.9	3	2.3	10.3	8.6	4.1	4.9	8.2	4	7
LSD (5%)				1.4	0.8	0.4	2	1.1	1.0	1.6	1.7	0.2	1.8	73	1293	2.0	1.2	0.6	2	1.6	1.4	2.4	1.8	0.3	2.8	108	1783

2 Year Averages 2018 - 2017				Ingham - Early												Ottawa - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
CROPLAN 4099SS/RIB	99	ACC	1,2,3,4	46.4	22.8	10.4 **	98	82.4	16.2	35.1	50.1	7.1	43.4	3353	33864	39.4	27.5	11.0	94	81.9	20.8	39.2	52.2	7.4	37.6	3238	35641
CROPLAN 4188SS	104	ACC	1,2,3,4	46.4	19.7	9.1	97	82.2	20.3	38.6	50.6	7.2	41.7	3300	30229	42.1	28.4	11.8 **	95	82.3	16.6	33.8	47.7	7.9	44.2	3348	38285
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	47.9	18.5	8.8	97	81.9	19.6	38.4	52.0	7.3	40.6	3291	29103	42.4	23.7	10.1	91	81.5	18.3	37.3	50.3	8.1	42.0	3268	33246
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	41.8	21.8	9.1	98	81.4	17.3	37.2	49.6	7.6	39.8	3269	29555	42.8	25.8	10.9	95	80.1	20.1	38.8	48.9	7.8	39.7	3171	33865
DAIRYLAND SEED EXP-10207	102		1,2,4	42.6	21.5	9.1	95	82.1	18.1	33.4	50.9	7.5	40.8	3388	30224	41.2	28.5	11.7 *	90	83.0	17.2	33.9	49.7	7.9	43.9	3387	38884
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	39.3	22.9	9.0	97	82.4	19.4	36.8	51.1	7.0	40.5	3266	30905	36.6	30.1	11.0	95	82.4	19.7	37.3	52.7	7.5	40.7	3319	38352
DAIRYLAND SEED RPM-4318AM	104		1,2,4	41.4	22.8	9.5	99	82.4	19.1	34.9	50.7	7.2	40.7	3340	31017	37.9	29.9	11.3 *	92	81.8	18.2	35.4	48.6	7.4	43.1	3307	37401
DYNAGRO D39DC43	99	P500	1,2	45.8	20.2	9.2	99	82.9	18.9	36.1	53.2	6.6	43.4	3371	32068	44.6	25.8	11.4 *	96	83.3	17.9	36.4	53.0	7.3	43.6	3379	38471
MASTERS CHOICE MCT-5371	103	C250	1	42.1	21.3	8.8	95	82.2	15.8	33.8	49.6	6.7	43.0	3349	31741	41.3	26.8	11.1 *	95	80.9	19.8	38.7	50.4	7.2	37.6	3221	36858
RENK RK724RR	102	C250	1	42.6	20.5	8.7	95	82.4	17.1	36.0	53.0	6.8	40.8	3344	29052	39.6	26.9	10.7	93	81.7	20.3	37.6	51.5	7.2	37.1	3309	35204
RENK RK642SSTX	103	C500	1,2,3,4	43.6	23.0	9.9 *	96	84.1	16.7	34.4	53.7	7.1	42.3	3463	34207	38.2	30.4	11.5 *	93	81.8	17.5	35.9	49.3	7.3	41.1	3301	38016
AVERAGE				43.6	21.4	9.2	97	82.4	18.0	35.9	51.3	7.1	41.5	3339	31088	40.6	27.6	11.1	94	81.9	18.8	36.8	50.4	7.5	41.0	3295	36747
HIGHEST				47.9	23.0	10.4	99	84.1	20.3	38.6	53.7	7.6	43.4	3463	34207	44.6	30.4	11.8	96	83.3	20.8	39.2	53.0	8.1	44.2	3387	38884
LOWEST				39.3	18.5	8.7	95	81.4	15.8	33.4	49.6	6.6	39.8	3266	29052	36.6	23.7	10.1	90	80.1	16.6	33.8	47.7	7.2	37.1	3171	33246
CV (%)				5.6	7.4	7.9	4	3.2	9.3	8.4	9.2	5.9	8.1	5	7	7.2	6.8	8.0	4	2.8	9.5	8.3	5.9	5.2	7.8	5	7
LSD (5%)				2.1	1.3	0.6	3	2.2	1.4	2.5	4.0	0.4	2.8	129	1991	2.4	1.5	0.7	3	1.9	1.5	2.6	2.5	0.3	2.6	122	2032

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2 Year Averages 2018 - 2017				Late - TRIAL AVERAGE												Huron - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 5829A4	108		1,2,3,4,6	39.9	26.4	10.4 **	97	83.2	18.9	37.1	54.4	7.0	39.4	3383	34920	41.1	22.0	9.0 **	95	84.5	17.9	35.4	56.1	6.8	40.2	3488	31445
CROPLAN 4791AS3111GT	106	ACC	1,2,3,4,6	39.5	24.4	9.6	98	83.9	18.7	37.7	56.9	6.8	38.2	3402	32221	40.3	20.3	8.2	99	85.3	17.8	36.5	59.6	6.8	37.2	3483	28590
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	39.4	23.8	9.3	96	79.9	20.5	39.0	48.6	7.3	36.4	3185	29771	40.4	20.1	8.2	97	80.9	21.0	40.9	53.2	7.0	33.8	3230	27044
DAIRYLAND SEED EXP-10617	106		1,2,3,4	39.3	25.8	9.9	96	82.8	18.4	35.7	52.5	7.8	38.9	3336	33217	41.0	20.8	8.4 *	95	83.4	19.5	36.5	54.4	7.2	37.9	3388	27748
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	37.0	26.0	9.5	98	80.7	20.4	39.2	51.9	6.7	36.1	3201	30318	38.5	21.6	8.3	99	82.7	18.6	37.0	54.7	6.6	38.5	3369	27794
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	36.2	27.6	9.9	98	81.3	21.0	39.5	53.6	6.9	35.5	3230	32903	36.7	22.8	8.5 *	99	82.9	19.3	37.2	55.9	6.6	35.5	3338	29151
DAIRYLAND SEED RPM-4816AM	108		1,2,4	38.1	25.9	9.7	98	83.8	17.7	35.5	55.0	7.7	40.6	3423	33335	38.3	23.1	8.7 *	101	84.2	18.8	36.2	56.2	7.2	39.8	3459	30958
DAIRYLAND SEED EXP-11016	110		1,2,4	38.1	25.8	9.6	98	83.7	17.1	34.6	53.3	7.8	41.3	3431	32890	38.7	21.9	8.4 *	99	84.8	17.3	35.0	56.6	7.4	39.7	3507	29495
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	36.5	25.3	9.3	97	81.7	19.0	37.6	53.5	7.1	36.9	3280	30269	38.4	21.0	8.0	99	83.6	18.2	35.4	56.0	6.8	36.8	3413	27641
RENK RK842SSTX	112	C500	1,2,3,4	37.2	26.5	9.7	96	82.1	19.4	38.4	53.1	7.4	37.8	3307	32169	39.3	22.0	8.6 *	97	83.1	18.6	37.2	54.6	7.1	38.8	3390	29977
SEED CONSULTANTS SCS 1125YHR	112	C250	1,2,4	35.9	26.5	9.3	97	82.1	17.8	35.8	50.0	7.6	39.9	3330	30744	37.4	21.1	7.8	98	83.8	18.4	36.5	55.7	7.2	37.5	3439	27363
AVERAGE				37.9	25.8	9.7	97	82.3	19.0	37.3	53.0	7.3	38.3	3319	32069	39.1	21.5	8.4	98	83.6	18.7	36.7	55.7	7.0	37.8	3410	28837
HIGHEST				39.9	27.6	10.4	98	83.9	21.0	39.5	56.9	7.8	41.3	3431	34920	41.1	23.1	9.0	101	85.3	21.0	40.9	59.6	7.4	40.2	3507	31445
LOWEST				35.9	23.8	9.3	96	79.9	17.1	34.6	48.6	6.7	35.5	3185	29771	36.7	20.1	7.8	95	80.9	17.3	35.0	53.2	6.6	33.8	3230	27044
CV (%)				6.1	6.5	8.0	4	2.7	10.0	7.8	7.3	5.2	9.3	4	7	5.8	6.7	9.1	3	2.3	9.2	8.1	5.7	5.2	8.1	4	7
LSD (5%)				1.1	0.8	0.4	2	1.0	0.9	1.4	1.8	0.2	1.7	68	1036	1.9	1.2	0.6	3	1.6	1.4	2.4	2.6	0.3	2.6	109	1750

2 Year Averages 2018 - 2017				Ingham - Late												Ottawa - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 5829A4	108		1,2,3,4,6	41.4	25.6	10.5 **	96	84.8	17.5	35.2	56.6	6.9	41.0	3503	36669	37.3	31.8	11.6 **	98	80.3	21.4	40.6	50.4	7.2	36.9	3158	36647
CROPLAN 4791AS3111GT	106	ACC	1,2,3,4,6	39.0	24.4	9.4	98	83.9	19.8	38.2	57.7	6.5	37.5	3406	31114	39.4	28.6	11.2 *	96	82.6	18.4	38.4	53.5	7.2	39.9	3316	36960
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	40.2	22.4	9.1	95	79.6	19.0	36.0	45.6	7.0	39.7	3232	29317	37.6	29.0	10.7	97	79.2	21.6	40.2	47.0	7.9	35.7	3094	32951
DAIRYLAND SEED EXP-10617	106		1,2,3,4	42.5	22.8	9.9 *	97	83.1	17.4	35.0	52.3	7.7	40.0	3369	34541	34.5	34.0	11.5 *	96	82.0	18.3	35.6	50.8	8.4	38.9	3252	37361
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	36.9	25.3	9.3	100	80.8	20.4	39.3	52.5	6.4	34.5	3172	29494	35.5	31.0	11.0 *	95	78.7	22.2	41.4	48.4	7.1	35.3	3061	33665
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	38.1	26.3	9.9 *	97	82.8	20.6	39.2	55.2	6.8	35.1	3322	33105	33.9	33.7	11.4 *	97	78.3	23.1	42.1	49.7	7.4	35.9	3031	36454
DAIRYLAND SEED RPM-4816AM	108		1,2,4	41.0	21.6	8.8	97	84.6	16.8	34.6	56.8	7.8	40.7	3471	31948	34.9	33.0	11.4 *	96	82.6	17.7	35.5	52.1	8.2	41.4	3339	37098
DAIRYLAND SEED EXP-11016	110		1,2,4	43.0	21.9	9.4	100	83.9	16.4	33.4	52.1	7.7	42.9	3463	33244	32.8	33.7	11.0 *	95	82.3	17.6	35.4	51.2	8.4	41.2	3322	35930
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	36.1	24.3	9.1	99	80.9	19.0	39.1	52.3	6.9	35.3	3215	29527	35.1	30.5	10.7	92	80.8	19.7	38.4	52.1	7.5	38.6	3212	33640
RENK RK842SSTX	112	C500	1,2,3,4	37.6	24.4	9.2	99	82.9	18.7	38.0	54.8	7.2	37.8	3364	31010	34.8	33.2	11.2 *	92	80.4	20.9	40.1	49.8	8.0	36.7	3167	35519
SEED CONSULTANTS SCS 1125YHR	112	C250	1,2,4	38.5	23.9	9.2	98	82.1	16.6	34.1	47.7	7.3	42.6	3349	31659	31.8	34.4	11.0 *	93	80.5	18.3	36.7	46.5	8.2	39.8	3203	33209
AVERAGE				39.5	23.9	9.4	98	82.7	18.4	36.6	53.1	7.1	38.8	3351	31966	35.2	32.1	11.2	95	80.7	19.9	38.6	50.1	7.8	38.2	3196	35403
HIGHEST				43.0	26.3	10.5	100	84.8	20.6	39.3	57.7	7.8	42.9	3503	36669	39.4	34.4	11.6	98	82.6	23.1	42.1	53.5	8.4	41.4	3339	37361
LOWEST				36.1	21.6	8.8	95	79.6	16.4	33.4	45.6	6.4	34.5	3172	29317	31.8	28.6	10.7	92	78.3	17.6	35.4	46.5	7.1	35.3	3031	32951
CV (%)				5.9	6.8	7.5	3	2.8	10.1	7.9	8.7	5.7	10.8	4	7	6.7	5.9	7.1	4	2.7	10.3	7.3	7.1	4.5	8.5	4	7
LSD (5%)				2.1	1.3	0.6	2	1.9	1.5	2.4	3.9	0.3	3.6	126	1857	2.0	1.5	0.6	3	1.8	1.7	2.3	3.0	0.3	2.8	120	2037

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 8E. IOSCO, OSCEOLA & PRESQUE ISLE COUNTY SILAGE TRIALS - EARLY (101 Day and Earlier) ZONE 4

2018				TRIAL AVERAGE												Iosco - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3188-6	88	C500	1	45.3	17.5	7.8	96	85.4	15.6	34.2	58.3	8.8	41.1	3535	29110	52.6	16.7	8.8	98	85.9	12.6	29.2	57.3	8.1	48.9	3599	34248
DAIRYLAND SEED HiDF-3290-9	90	C500	1,2,3,4	48.5	16.8	8.0	97	83.4	16.7	31.6	53.3	8.5	43.1	3380	28946	59.7	14.5	8.7	97	83.5	14.5	29.2	52.9	7.7	49.9	3450	33208
DAIRYLAND SEED RPM-3518AM	96		1,2,4	45.3	18.9	8.5	97	84.8	14.8	33.4	54.1	8.4	43.0	3514	30101	51.8	18.6	9.6 *	97	85.9	11.9	29.6	53.7	7.9	47.6	3603	34507
DAIRYLAND SEED RPM-3519AM	96		1,2,4	43.8	21.2	9.3 *	96	83.7	17.9	36.9	55.2	8.2	40.5	3416	32496	48.3	21.1	10.2 *	97	84.3	17.6	36.5	55.8	7.5	42.7	3443	35127
DAIRYLAND SEED RPM-3715AM	96		1,2,4	42.7	20.9	8.9 *	94	84.4	14.5	30.6	53.0	8.2	45.7	3511	32131	46.7	20.5	9.5 *	97	85.4	11.6	26.5	51.6	7.5	52.1	3588	36065
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	42.9	21.5	8.8 *	97	83.3	18.6	37.1	55.5	8.2	38.2	3378	29880	52.7	18.2	9.6 *	98	85.2	14.8	31.5	56.7	7.7	45.1	3516	35480
DAIRYLAND SEED RPM-499AM	97		1,2,4	43.3	19.5	8.6	96	85.1	14.7	31.9	54.6	8.4	44.5	3547	31373	49.8	19.5	9.7 *	96	86.0	13.1	30.3	53.5	7.8	48.2	3602	36599
DYNAGRO D37SS64	97	P500	1,2,3,4	45.6	21.5	9.5 **	97	85.6	13.9	32.4	54.7	8.1	43.5	3574	33561	51.6	20.1	10.4 **	99	86.9	10.9	27.9	52.9	7.7	51.0	3680	38107
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	39.9	22.8	8.9 *	96	83.6	18.0	36.5	55.0	8.8	38.7	3416	30486	47.5	20.5	9.7 *	95	84.8	17.0	34.4	55.4	8.4	44.3	3494	33845
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	41.3	22.0	8.9 *	99	83.5	16.7	33.7	50.9	8.5	41.7	3432	29958	44.8	20.5	9.2	99	83.0	17.9	34.2	50.4	7.7	42.5	3392	29911
KingFisher 43C40	93		CONV	41.7	22.0	9.0 *	95	83.2	16.0	33.7	50.9	8.7	37.6	3283	29294	48.0	19.9	9.5 *	99	82.9	14.9	31.9	48.1	8.5	36.8	3133	28097
LEGACY SEEDS L-3335 3220	93	C250	1,2,4,6	40.6	21.7	8.6	95	83.9	16.0	33.6	52.8	8.6	40.7	3452	29792	46.5	20.6	9.6 *	96	84.6	13.8	30.2	51.2	8.5	45.4	3504	33568
LEGACY SEEDS L-3537 3110	95	C250	1,2,4,6	42.3	21.1	8.9 *	97	82.9	17.6	36.0	54.3	8.2	39.8	3378	31273	46.8	21.3	10.0 *	99	84.6	16.6	33.9	54.6	7.9	43.3	3489	36995
LG SEEDS LG44C27VT2PRO	94	P500	1,2,3	42.9	21.0	9.0 *	96	84.4	17.3	32.6	52.4	7.9	42.9	3499	32993	48.5	20.5	9.9 *	96	84.2	17.6	30.0	48.4	7.4	46.7	3499	36461
LG SEEDS LG44C34-3110	94	P500	1,2,4,6	43.8	20.4	8.9 *	94	84.4	13.6	30.0	49.4	8.1	42.9	3438	31349	46.5	19.7	9.2	94	85.6	10.6	25.8	45.9	8.3	44.5	3452	34705
LG SEEDS LG5465VT2RIB	97	P500	1,2,3	40.8	22.4	9.0 *	98	83.9	17.6	37.0	55.8	8.3	39.5	3425	30945	46.0	21.1	9.7 *	98	84.8	17.0	35.5	54.7	7.6	44.0	3483	33778
VIKING 71-90GS	90	C250	CONV	45.7	17.4	8.0	94	85.0	17.0	34.6	55.7	8.3	42.0	3518	27536	53.1	16.3	8.6	92	86.8	13.6	29.3	54.8	8.1	49.7	3661	31590
AVERAGE				43.3	20.5	8.8	96	84.1	16.3	33.9	53.9	8.3	41.5	3453	30660	49.5	19.4	9.5	97	85.0	14.5	30.9	52.8	7.9	46.0	3505	34253
HIGHEST				48.5	22.8	9.5	99	85.6	18.6	37.1	58.3	8.8	45.7	3574	33561	59.7	21.3	10.4	99	86.9	17.9	36.5	57.3	8.5	52.1	3680	38107
LOWEST				39.9	16.8	7.8	94	82.9	13.6	30.0	49.4	7.9	37.6	3283	27536	44.8	14.5	8.6	92	82.9	10.6	25.8	45.9	7.4	36.8	3133	28097
CV (%)				6.9	7.6	9.6	3	2.5	8.8	7.3	5.4	6.5	8.4	4	7	6.9	6.1	8.6	2	2.8	8.0	8.2	6.7	4.9	8.9	5	7
LSD (5%)				2.5	1.3	0.7	2	1.7	1.2	2.1	2.4	0.5	2.9	123	1782	4.1	1.4	1.0	2	2.8	1.4	3.0	4.2	0.5	4.9	214	2950

2018				Osceola - Early												Presque Isle - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3188-6	88	C500	1	37.9	18.3	6.9	94	84.9	18.6	39.2	59.2	9.6	33.3	3471	23973												
DAIRYLAND SEED HiDF-3290-9	90	C500	1,2,3,4	37.3	19.1	7.2	97	83.3	18.9	34.0	53.6	9.3	36.3	3310	24685	Location Dropped											
DAIRYLAND SEED RPM-3518AM	96		1,2,4	38.8	19.2	7.5	96	83.7	17.7	37.2	54.5	8.9	38.3	3424	25694												
DAIRYLAND SEED RPM-3519AM	96		1,2,4	39.3	21.2	8.5 *	96	83.1	18.1	37.3	54.6	8.8	38.4	3389	29864												
DAIRYLAND SEED RPM-3715AM	96		1,2,4	38.7	21.3	8.2 *	92	83.5	17.3	34.6	54.5	8.9	39.4	3434	28197												
DAIRYLAND SEED HiDF-3197RA	97	C500	1,2,3,4,6	33.2	24.8	8.1 *	97	81.4	22.4	42.7	54.3	8.7	31.4	3240	24279												
DAIRYLAND SEED RPM-499AM	97		1,2,4	36.8	19.5	7.5	96	84.3	16.4	33.6	55.8	9.0	40.9	3492	26147												
DYNAGRO D37SS64	97	P500	1,2,3,4	39.6	22.9	8.7 **	95	84.4	16.9	36.8	56.5	8.5	36.0	3468	29016												
GOLDEN HARVEST G90Y04-3220A	92	C250	1,2,3,4	32.3	25.2	8.1 *	97	82.5	19.0	38.7	54.7	9.2	33.2	3338	27127												
GOLDEN HARVEST G95D32-3220	95	C250	1,2,3,4,6	37.8	23.6	8.7 **	99	84.0	15.6	33.1	51.5	9.3	40.9	3472	30006												
KingFisher 43C40	93		CONV	35.4	24.1	8.5 *	92	83.6	17.1	35.5	53.7	8.9	38.4	3433	30490												
LEGACY SEEDS L-3335 3220	93	C250	1,2,4,6	34.7	22.7	7.7 *	95	83.2	18.2	36.9	54.5	8.7	36.0	3401	26016												
LEGACY SEEDS L-3537 3110	95	C250	1,2,4,6	37.9	20.8	7.8 *	95	81.1	18.5	38.1	53.9	8.5	36.2	3266	25550												
LG SEEDS LG44C27VT2PRO	94	P500	1,2,3	37.3	21.6	8.0 *	95	84.7	17.0	35.2	56.4	8.3	39.2	3500	29525												
LG SEEDS LG44C34-3110	94	P500	1,2,4,6	41.1	21.1	8.6 *	95	83.2	16.7	34.2	53.0	7.9	41.3	3424	27992												
LG SEEDS LG5465VT2RIB	97	P500	1,2,3	35.6	23.6	8.4 *	98	82.9	18.3	38.5	56.8	9.0	34.9	3367	28111												
VIKING 71-90GS	90	C250	CONV	38.3	18.6	7.3	97	83.3	20.3	40.0	56.7	8.5	34.3	3375	23482												
AVERAGE				37.2	21.6	8.0	96	83.3	18.0	36.8	54.9	8.8	37.0	3400	27068												
HIGHEST				41.1	25.2	8.7	99	84.9	22.4	42.7	59.2	9.6	41.3	3500	30490												
LOWEST				32.3	18.3	6.9	92	81.1	15.6	33.1	51.5	7.9	31.4	3240	23482												
CV (%)				6.5	9.0	10.7	4	2.1	8.8	6.3	3.4	7.7	7.0	3	7												
LSD (5%)				2.9	2.3	1.0	4	2.0	1.9	2.8	2.2	0.8	3.1	128	2316												

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 6L - Continued from page 33. BRANCH, LENAWEE & WOOD (OHIO) COUNTY SILAGE TRIALS - EARLY (110 Day and Earlier) ZONE 1

2 Year Averages 2018 - 2017				Early - TRIAL AVERAGE												Branch - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 6082AM™*	110		1,2,4	40.0	26.6	10.6 **	96	82.6	19.5	38.4	54.7	6.8	40.9	3328	34930	40.4	26.7	10.8 *	96	83.0	18.6	37.5	54.5	7.3	42.5	3360	36184
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6	42.5	22.3	9.2	95	79.9	20.9	38.3	46.6	7.0	39.3	3235	29052	43.3	21.2	8.7	93	79.4	20.5	38.3	44.5	7.4	39.1	3266	27720
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6	41.3	23.3	9.6	97	80.5	21.3	40.3	51.1	6.5	37.5	3184	30582	43.1	22.9	9.8	96	80.6	20.0	40.2	50.7	6.7	39.2	3200	31378
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6	38.1	26.6	10.1	99	79.6	23.3	42.4	50.9	6.6	34.8	3109	32472	39.8	27.0	10.7 *	99	81.4	19.7	38.5	51.6	7.2	38.0	3248	35491
DAIRYLAND SEED DS-9713RA	110	C500	1,2,3,4,6	37.8	25.5	9.6	98	80.6	19.4	38.5	49.7	6.6	39.1	3215	31117	38.2	26.5	10.2	97	80.9	18.9	37.2	48.7	7.1	40.2	3243	33003
DAIRYLAND SEED EXP-11015	110		1,2,4	43.1	22.8	9.8	96	81.7	19.0	37.6	51.3	6.9	42.0	3287	33272	42.3	22.7	9.6	96	82.5	18.5	36.4	52.0	7.2	43.0	3346	33096
DAIRYLAND SEED EXP-11016	110		1,2,4	40.9	24.3	9.7	98	84.0	17.5	35.4	54.1	7.3	42.0	3438	33762	40.4	26.0	10.1	99	84.1	17.3	34.7	54.0	7.7	43.8	3452	35531
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4	42.8	22.6	9.5	97	82.0	18.5	36.8	51.7	6.8	41.3	3310	31722	46.2	21.1	9.6	96	82.2	17.1	34.7	50.1	7.4	43.4	3339	32966
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4	41.1	24.9	10.2 *	97	80.6	21.2	38.8	50.0	6.9	39.8	3212	33489	43.7	24.1	10.6 *	98	82.0	18.1	35.6	49.4	7.5	42.7	3320	35033
M&W SEEDS 44D81	108	P250	1,2	46.1	22.7	10.3 *	96	81.9	18.8	37.3	51.4	7.1	41.1	3294	33995	49.7	22.8	11.1 **	96	83.1	16.3	34.9	51.5	7.5	45.5	3392	37615
MASTERS CHOICE MCT-5371	103	C250	1	45.0	17.2	7.8	96	80.8	20.0	38.6	50.3	7.0	37.0	3174	24965	46.4	18.9	8.8	96	83.0	16.7	34.4	50.5	7.4	42.6	3362	29573
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	48.9	19.8	9.4	94	81.5	19.1	37.1	48.9	7.3	43.3	3316	31275	46.7	20.9	9.3	91	82.2	18.7	36.2	50.8	7.6	42.5	3329	30943
VIKING O.74-10GS	110	C250	CONV	42.2	22.6	9.4	98	81.9	18.7	37.3	51.3	7.0	41.4	3299	30528	41.0	23.5	9.3	98	81.6	17.6	37.3	50.8	7.2	42.0	3287	30683
AVERAGE				42.3	23.2	9.6	97	81.3	19.8	38.2	50.9	6.9	40.0	3262	31628	43.2	23.4	9.9	96	82.0	18.3	36.6	50.7	7.3	41.9	3319	33017
HIGHEST				48.9	26.6	10.6	99	84.0	23.3	42.4	54.7	7.3	43.3	3438	34930	49.7	27.0	11.1	99	84.1	20.5	40.2	54.5	7.7	45.5	3452	37615
LOWEST				37.8	17.2	7.8	94	79.6	17.5	35.4	46.6	6.5	34.8	3109	24965	38.2	18.9	8.7	91	79.4	16.3	34.4	44.5	6.7	38.0	3200	27720
CV (%)				6.7	7.5	8.1	3	3.1	9.8	8.6	7.6	5.6	8.0	4	7	6.5	7.5	7.2	4	2.5	9.4	7.1	6.9	4.9	7.3	4	6
LSD (5%)				1.5	1.0	0.4	2	1.3	1.0	1.7	2.1	0.2	1.7	75	1152	2.4	1.4	0.6	3	1.7	1.4	2.1	2.9	0.3	2.6	100	1758

2 Year Averages 2018 - 2017				Lenawee - Early												Wood - Early											
				YIELD				% QUALITY						MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
BECK 6082AM™*	110		1,2,4													39.6	26.4	10.4 **	95	82.2	20.3	39.4	54.8	6.3	39.4	3297	33676
DAIRYLAND SEED HiDF-3605RA	105	C500	1,2,3,4,6													41.7	23.4	9.8 *	97	80.4	21.2	38.3	48.7	6.7	39.6	3204	30384
DAIRYLAND SEED HiDF-3407RA	107	C500	1,2,3,4,6													39.6	23.8	9.3	97	80.4	22.6	40.4	51.4	6.2	35.9	3169	29786
DAIRYLAND SEED HiDF-3808RA	108	C500	1,2,3,4,6													36.4	26.2	9.4	98	77.7	26.9	46.3	50.3	6.0	31.6	2970	29453
DAIRYLAND SEED DS-9713RA	110	C500	1,2,3,4,6													37.5	24.5	9.0	98	80.3	20.0	39.9	50.7	6.1	38.1	3186	29231
DAIRYLAND SEED EXP-11015	110		1,2,4													43.9	23.0	10.0 *	96	80.8	19.4	38.7	50.6	6.6	41.0	3227	33449
DAIRYLAND SEED EXP-11016	110		1,2,4													41.4	22.7	9.4	98	83.8	17.7	36.1	54.1	6.8	40.1	3424	31994
GOLDEN HARVEST G09Y24-3220A	109	C500	1,2,3,4													39.4	24.1	9.3	98	81.8	19.8	39.0	53.3	6.2	39.2	3281	30477
GOLDEN HARVEST G10T63-3120	110	C500	1,2,4													38.5	25.7	9.9 *	96	79.3	24.3	42.0	50.6	6.3	36.9	3104	31946
M&W SEEDS 44D81	108	P250	1,2													42.5	22.6	9.5	96	80.7	21.2	39.8	51.4	6.6	36.8	3196	30374
MASTERS CHOICE MCT-5371	103	C250	1													43.7	15.4	6.8	97	78.5	23.3	42.8	50.1	6.6	31.5	2986	20357
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6													51.2	18.7	9.5	97	80.8	19.5	38.1	47.0	7.0	44.1	3303	31606
VIKING O.74-10GS	110	C250	CONV													43.3	21.8	9.4	99	82.1	19.8	37.2	51.9	6.8	40.9	3311	30373
AVERAGE																41.4	23.0	9.4	97	80.7	21.2	39.8	51.1	6.5	38.1	3204	30239
HIGHEST																51.2	26.4	10.4	99	83.8	26.9	46.3	54.8	7.0	44.1	3424	33676
LOWEST																36.4	15.4	6.8	95	77.7	17.7	36.1	47.0	6.0	31.5	2970	20357
CV (%)																6.8	4.6	7.5	3	3.4	9.5	9.8	7.9	5.7	8.5	5	7
LSD (5%)																2.3	0.9	0.6	2	2.3	1.6	3.2	3.4	0.3	2.7	127	1822

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 8L. IOSCO, OSCEOLA & PRESQUE ISLE COUNTY SILAGE TRIALS - LATE (106 Day and Earlier) ZONE 4

2018				TRIAL AVERAGE												Iosco - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	37.3	24.5	9.1 *	96	84.3	16.1	33.1	52.7	8.0	43.4	3496	32377	40.2	22.2	8.9 *	97	84.3	16.2	32.8	52.1	7.8	44.5	3493	32564
DAIRYLAND SEED RPM-4115AM	101		1,2,4	40.2	23.9	9.5 *1	95	84.9	16.5	33.1	56.2	7.3	44.3	3536	33593	47.6	19.9	9.4 *	96	85.9	16.6	31.8	55.5	7.3	47.1	3599	33911
DAIRYLAND SEED EXP-10207	102		1,2,4	38.1	24.5	9.2 *	94	83.6	16.0	32.7	51.8	7.7	43.6	3458	33092	42.0	22.9	9.4 *	98	84.5	14.9	31.4	50.7	7.8	46.1	3517	33052
DAIRYLAND SEED HiDF-3202PE	102	C500	1,2,6	36.8	23.4	8.6	96	83.8	17.5	36.3	54.3	8.0	38.7	3441	29657	39.7	22.9	9.1 *	98	84.2	16.6	34.9	52.5	7.9	41.3	3468	31565
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	31.4	29.4	9.2 *	94	83.6	17.9	36.5	56.0	7.8	36.8	3310	30796	34.0	28.8	9.8 **	93	83.9	17.0	35.4	54.5	7.4	42.0	3451	31936
DAIRYLAND SEED EXP-10306	103		1,2,3,4	40.0	22.3	8.9 *	97	84.0	16.6	34.7	54.0	7.7	42.3	3469	30697	45.0	19.2	8.6	99	85.0	16.1	32.4	53.5	7.6	46.1	3539	30427
DAIRYLAND SEED RPM-4318AM	104		1,2,4	35.2	25.5	8.9 *	96	83.7	18.0	36.3	54.4	7.5	40.0	3436	30003	39.2	24.1	9.5 *	97	85.2	14.2	30.5	53.9	7.5	48.1	3565	32402
DAIRYLAND SEED RPM-562XRR	106		1,2,4	32.5	26.7	8.6	95	83.9	18.4	36.6	56.0	7.5	38.3	3447	30540	37.3	25.2	9.3 *	95	84.9	16.3	33.7	55.1	7.2	43.7	3525	32868
LEGACY SEEDS L-4433 3122	101	C250	1,2,3,4,6	35.4	25.1	8.8	95	83.8	17.3	35.8	54.6	7.8	38.1	3437	30241	39.9	23.4	9.4 *	96	84.2	15.9	33.4	52.8	7.8	42.7	3485	32692
LG SEEDS LG5494VT2RIB	99	P500	1,2,3	38.9	23.7	8.9 *	96	83.0	17.7	36.1	54.2	7.8	40.6	3396	29473	46.9	20.2	9.5 *	97	84.5	14.7	31.9	54.2	7.5	46.9	3516	31664
LG SEEDS LG5505STXRIB	100	P500	1,2,3,4	33.6	27.0	8.9 *	89	83.0	17.4	36.7	54.7	7.9	38.1	3390	30901	39.6	24.6	9.8 **	95	84.4	15.3	34.5	54.7	8.0	42.0	3484	35343
LG SEEDS LG5499STXRIB	102	P500	1,2,3,4	38.3	23.5	9.0 *	99	83.9	17.4	35.2	54.1	7.6	40.7	3458	31788	43.7	21.7	9.5 *	99	84.7	16.3	33.2	53.7	7.4	44.6	3516	33347
MASTERS CHOICE MCT-4934	99	C250	1,2,3,4,6	40.4	22.5	9.0 *	93	83.0	18.1	37.7	54.0	7.7	39.3	3380	30655	44.5	19.4	8.7	94	82.7	18.6	36.8	53.1	7.6	40.8	3368	31244
MASTERS CHOICE MCT-5371	103	C250	1	35.6	23.5	8.2	93	83.4	18.0	35.6	54.2	7.6	37.7	3351	26890	40.5	21.6	8.6	90	84.2	15.9	33.5	52.8	7.4	43.3	3483	29973
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	36.7	22.9	8.4	87	84.1	16.8	35.9	54.4	7.9	40.5	3460	29798	41.3	21.4	8.8	82	83.7	17.5	35.5	51.6	7.6	44.0	3437	30347
VIKING O.79-00	100		CONV	37.9	24.1	8.9 *	94	84.2	17.4	35.4	55.4	7.6	40.7	3472	30803	45.0	20.5	9.4 *	96	84.4	16.8	34.4	54.6	7.4	43.1	3489	32618
VIKING 51-04GS	104	C250	CONV	36.3	24.2	8.8	95	84.7	16.6	33.9	54.6	7.6	41.7	3512	31027	38.3	23.6	9.0 *	96	84.6	15.6	32.4	52.5	7.3	45.0	3516	31643
AVERAGE				36.7	24.5	8.9	94	83.8	17.3	35.4	54.4	7.7	40.3	3438	30725	41.5	22.4	9.2	95	84.4	16.1	33.4	53.4	7.6	44.2	3497	32211
HIGHEST				40.4	29.4	9.5	99	84.9	18.4	37.7	56.2	8.0	44.3	3536	33593	47.6	28.8	9.8	99	85.9	18.6	36.8	55.5	8.0	48.1	3599	35343
LOWEST				31.4	22.3	8.2	87	83.0	16.0	32.7	51.8	7.3	36.8	3310	26890	34.0	19.2	8.6	82	82.7	14.2	30.5	50.7	7.2	40.8	3368	29973
CV (%)				7.1	6.6	8.6	4	1.9	8.7	7.0	3.3	5.4	7.5	4	6	7.1	5.4	8.2	3	1.6	8.4	7.0	3.8	3.5	6.6	3	7
LSD (5%)				2.2	1.3	0.6	3	1.4	1.3	2.1	1.5	0.3	2.5	101	1533	3.5	1.4	0.9	3	1.6	1.6	2.8	2.4	0.3	3.4	111	2523

2 Year Averages 2018 - 2017				TRIAL AVERAGE												Iosco - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	35.8	26.8	9.5 *	98	82.5	17.4	35.6	51.1	7.9	40.8	3355	32485	36.0	27.1	9.6	98	82.1	17.3	35.7	49.9	8.0	41.4	3315	33644
DAIRYLAND SEED RPM-4115AM	101		1,2,4	40.8	23.3	9.3 *	92	83.8	17.5	34.3	54.4	7.4	42.9	3447	32179	42.2	23.7	9.8	93	84.1	17.9	33.6	52.7	7.5	43.4	3457	33648
DAIRYLAND SEED EXP-10207	102		1,2,4	39.2	24.4	9.3 *	92	82.7	16.6	34.1	51.0	7.9	43.3	3378	32053	38.1	26.0	9.8	96	82.6	16.3	34.1	49.2	7.9	44.0	3363	32757
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	33.2	29.2	9.6 *	95	82.2	17.8	36.8	52.3	7.8	37.5	3272	30953	32.5	30.2	9.7	95	80.9	17.5	36.2	47.6	7.6	41.0	3247	29643
DAIRYLAND SEED RPM-4318AM	104		1,2,4	36.2	27.3	9.7 *1	98	83.0	19.2	37.4	54.1	7.6	39.0	3368	32281	36.0	29.9	10.6 **	98	83.7	17.2	34.0	53.2	7.6	43.5	3425	35391
DAIRYLAND SEED RPM-562XRR	106		1,2,4	33.1	27.9	9.2 *	95	83.3	19.5	37.4	55.3	7.5	37.8	3385	32035	33.8	29.2	9.8	96	83.6	18.7	35.8	54.4	7.5	40.4	3407	33292
MASTERS CHOICE MCT-5371	103	C250	1	37.5	23.6	8.6	95	83.0	17.7	35.7	52.0	7.5	39.8	3350	29002	37.2	24.8	9.1	93	82.4	17.4	35.5	50.7	7.4	41.3	3339	31032
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	36.4	24.3	8.8	91	82.8	18.7	37.9	53.4	7.7	38.0	3348	30173	38.6	25.0	9.6	89	82.8	19.4	38.1	52.4	7.6	39.5	3335	32532
AVERAGE				36.5	25.8	9.3	95	82.9	18.1	36.1	52.9	7.7	39.9	3363	31395	36.8	27.0	9.7	95	82.8	17.7	35.4	51.3	7.6	41.8	3361	32742
HIGHEST				40.8	29.2	9.7	98	83.8	19.5	37.9	55.3	7.9	43.3	3447	32485	42.2	30.2	10.6	98	84.1	19.4	38.1	54.4	8.0	44.0	3457	35391
LOWEST				33.1	23.3	8.6	91	82.2	16.6	34.1	51.0	7.4	37.5	3272	29002	32.5	23.7	9.1	89	80.9	16.3	33.6	47.6	7.4	39.5	3247	29643
CV (%)				7.9	6.6	9.2	4	2.9	9.7	7.6	7.7	5.0	7.7	4	7	7.4	5.7	9.1	3	3.2	8.7	6.7	11.1	4.1	6.9	4	7
LSD (5%)				1.5	0.9	0.5	2	1.3	0.9	1.5	2.2	0.2	1.6	76	1086	2.4	1.2	0.7	3	2.2	1.2	1.9	4.8	0.3	2.4	126	1968

2018				Osceola - Late												Presque Isle - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	34.3	26.8	9.2 *	95	84.3	16.1	33.5	53.2	8.2	42.3	3499	32191												
DAIRYLAND SEED RPM-4115AM	101		1,2,4	32.9	27.9	9.6 **	95	84.0	16.5	34.4	57.0	7.3	41.4	3474	33274	Location Dropped											
DAIRYLAND SEED EXP-10207	102		1,2,4	34.1	26.2	9.0 *	90	82.7	17.1	34.0	52.9	7.6	41.1	3399	33131												
DAIRYLAND SEED HiDF-3202PE	102	C500	1,2,6	33.9	24.0	8.1	93	83.5	18.3	37.6	56.1	8.2	36.2	3414	27748												
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	28.8	30.0	8.6	94	83.2	18.9	37.7	57.5	8.1	31.6	3169	29657												
DAIRYLAND SEED EXP-10306	103		1,2,3,4	35.0	25.4	9.1 *	96	83.1	17.1	37.0	54.4	7.9	38.5	3399	30967												
DAIRYLAND SEED RPM-4318AM	104		1,2,4	31.3	26.8	8.4	95	82.3	21.9	42.0	54.9	7.4	31.9	3307	27604												
DAIRYLAND SEED RPM-562XRR	106		1,2,4	27.8	28.3	7.9	94	83.0	20.4	39.5	57.0	7.8	32.9	3368	28212												
LEGACY SEEDS L-4433 3122	101	C250	1,2,3,4,6	30.9	26.7	8.2	94	83.4	18.6	38.1	56.3	7.8	33.6	3390	27791												
LG SEEDS LG5494VT2RIB	99	P500	1,2,3	30.9	27.1	8.3	96	81.5	20.7	40.4	54.2	8.1	34.4	3277	27282												
LG SEEDS LG5505STXRIB	100	P500	1,2,3,4	27.6	29.4	8.0	82	81.6	19.6	39.0	54.7	7.8	34.1	3297	26460												
LG SEEDS LG5499STXRIB	102	P500	1,2,3,4	32.8	25.2	8.5	99	83.1	18.5	37.2	54.6	7.9	36.9	3400	30228												
MASTERS CHOICE MCT-4934	99	C250	1,2,3,4,6	36.3	25.7	9.3 *	93	83.2	17.7	38.6	54.9	7.9	37.9	3392	30066												
MASTERS CHOICE MCT-5371	103	C250	1	30.8	25.3	7.8	96	82.7	20.1	37.8	55.6	7.8	32.1	3218	23807												
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	32.1	24.4	8.0	92	84.5	16.1	36.3	57.2	8.2	37.0	3483	29249												
VIKING O.79-00	100		CONV	30.9	27.6	8.4	93	84.0	18.0	36.5	56.1	7.9	38.4	3455	28988												
VIKING 51-04GS	104	C250	CONV	34.3	24.8	8.7 *	93	84.7	17.5	35.4	56.8	7.9	38.5	3507	30411												
AVERAGE				32.0	26.6	8.5	94	83.2	18.4	37.3	55.5	7.9	36.4	3379	29239												
HIGHEST				36.3	30.0	9.6	99	84.7	21.9	42.0	57.5	8.2	42.3	3507	33274												
LOWEST				27.6	24.0	7.8	82	81.5	16.1	33.5	52.9	7.3	31.6	3169	23807												
CV (%)				6.9	7.3	8.6	5	2.2	8.8	7.0	2.7	6.6	8.7	4	6												
LSD (5%)				2.6	2.3	0.9	5	2.1	1.9	3.1	1.8	0.6	3.7	172	2186												

2 Year Averages 2018 - 2017				Osceola - Late												Presque Isle - 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/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
DAIRYLAND SEED HiDF-3099RA	99	C500	1,2,3,4,6	35.7	26.5	9.4 **	97	83.0	17.6	35.6	52.2	7.8	40.3	3395	31325												
DAIRYLAND SEED RPM-4115AM	101		1,2,4	39.4	23.0	8.9 *	91	83.6	17.1	34.9	56.1	7.3	42.4	3438	30710												
DAIRYLAND SEED EXP-10207	102		1,2,4	40.3	22.7	8.9 *	88	82.7	16.9	34.0	52.7	7.8	42.7	3393	31349												
DAIRYLAND SEED HiDF-3702-9	102	C500	1,2,3,4,6	33.9	28.3	9.4 **	96	83.5	18.2	37.4	57.1	8.0	34.0	3296	32264												
DAIRYLAND SEED RPM-4318AM	104		1,2,4	36.3	24.6	8.8 *	97	82.3	21.2	40.7	55.0	7.5	34.4	3310	29170												
DAIRYLAND SEED RPM-562XRR	106		1,2,4	32.4	26.7	8.7 *	95	82.9	20.2	39.0	56.1	7.6	35.2	3362	30778												
MASTERS CHOICE MCT-5371	103	C250	1	37.9	22.4	8.2	97	83.7	18.1	36.0	53.4	7.6	38.2	3360	26972												
MASTERS CHOICE MCT-5454	104	C250	1,2,3,4,6	34.3	23.5	8.1	92	82.7	18.1	37.7	54.4	7.9	36.5	3360	27815												
AVERAGE				36.2	24.7	8.8	94	83.1	18.4	36.9	54.6	7.7	38.0	3364	30048												
HIGHEST				40.3	28.3	9.4	97	83.7	21.2	40.7	57.1	8.0	42.7	3438	32264												
LOWEST				32.4	22.4	8.1	88	82.3	16.9	34.0	52.2	7.3	34.0	3296	26972												
CV (%)				8.2	7.9	8.9	4	2.6	10.0	7.8	3.3	6.0	8.7	4	7												
LSD (5%)				2.4	1.7	0.7	3	1.8	1.5	2.4	1.5	0.4	2.7	123	1618												

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

CORN TAR SPOT: HYBRID RESISTANCE AND SUSCEPTIBILITY

M.I. Chilvers, A.M. Byrne, W.D. Widdicombe, L. Williams, M.P. Singh
Michigan State University

Tar spot is a fungal disease recently discovered in the U.S. and was confirmed in 26 counties across Michigan in 2018, with reported yield losses of up to 50 bu/A. Tar spot as the name suggests looks and feels like black spots of tar, which cannot be easily rubbed off the leaf. The black structures are fungal fruiting (ascomata) bodies which release spores to infect the plant, the pathogen is capable of overwintering in debris. The 2018 Allegan County corn performance trial had low to moderate levels of tar spot. The trial was rated on Sep 17, by estimating the percentage of the upper canopy (ear leaf and above) symptomatic for tar spot. Gray leaf spot was also present at moderate levels, but this was not scored due to the difficulty distinguishing gray leaf spot from senescent tissue. We also rated the upper canopy for percentage green. Interestingly there were significant differences in resistance to tar spot by hybrid. **Note, that some hybrids demonstrating resistance under this low to moderate pressure failed in other fields with severe disease and lodging due to early infection and high disease pressure.** There is still much to learn. There appeared to be no strong effect of relative maturity on the level of disease across the hybrids. However, the level of tar spot severity was correlated with canopy greenness, supporting the observation that tar spot disease was causing premature leaf death or senescence. However, the presence of gray leaf spot should be taken into consideration, when looking at the hybrid scores. As tar spot is such a new disease for North America, there is much to learn about its epidemiology and management. Developing management plans will require the selection for and use of hybrid resistance, accompanied by fungicides, when warranted.

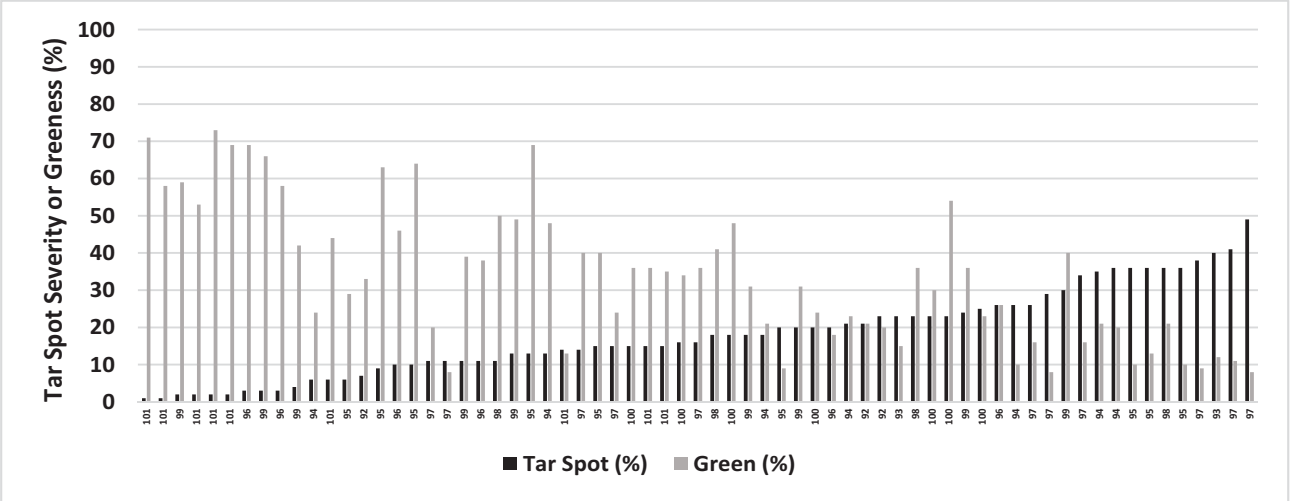


Fig 1: Percentage tar spot severity and canopy greenness by tar spot for the early relative maturity group, 101 day and earlier. Note, that some hybrids with resistance under this low to moderate pressure failed in other fields with early infection and high disease pressure. There is still much to learn.

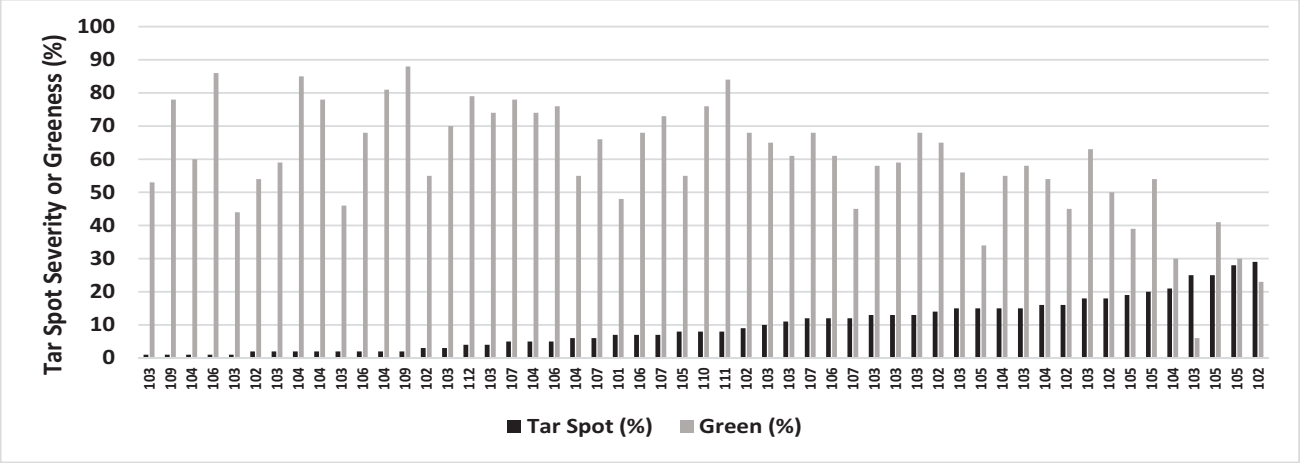


Fig 2: Percentage tar spot severity and canopy greenness by tar spot for the late relative maturity group, 102 day and later. Note, that some hybrids with resistance under this low to moderate pressure failed in other fields with early infection and high disease pressure. There is still much to learn.

2018
UPPER PENINSULA CORN PERFORMANCE TRIALS

M.P. Singh, J. Lauer, M. Jean, C. Kapp,
W. D. Widdicombe and L. A. Williams

Michigan Corn Performance Trials (MCPT), conducted by Michigan State University (MSU) has had a long history in the Upper Peninsula (UP). However, due to its low corn acreage, remote nature, diverse climate, and challenging landscape, the trial has lost relevancy over time to its local stakeholders. It is not possible for the MCPT to attract corn hybrid entries that are adapted to and commercially available in the UP, as most of these hybrids were entered in the Wisconsin Corn Performance Trials (WCPT) and not in the MCPT due to differences in regional sales districts for seed companies'.

In 2018, the MCPT team (Maninder Singh, Bill Widdicombe, and Lori Williams) in partnership with the UP team (UP Research and Extenshion Center Director, Monica Jean, and Christian Kapp) collaborated with the WCPT team (Joe Lauer) to conduct corn hybrid evaluation trials on a grower farm (Charlie Meintz, Pleasant View Dairy Farm) in Menominee County with entries from WCPT's Marinette County, WI location. Additionally, hybrid performance from the WCPT location (representing an environment similar to the UP) is reported with permission from WCPT team. This collaboration was developed as part of an effort to improve the relevancy of MCPT trials in the UP, and was supported by funding from MSU AgBioResearch and MSU Extension. A minimum of 58 grain hybrids and 40 silage hybrids were planted at both locations, with additional entries at the UP location solicited from local seed dealers.

Methods and data presented for the Menominee location is similar to the grain and silage performance trials presented in this bulletin. Planting was accomplished using Winterstieger Plot King Planter on May 14 at a target seeding rate of 31,600 seeds/acre. Previous crop in the field (sandy loam soil) was corn. Corn silage and grain plots were harvested on September 9 and October 29, respectively. For more details on WCPT location in Marinette County, please refer to University of Wisconsin bulletin A3653 (available at https://corn.agronomy.wisc.edu/HT/2018/2018Text.aspx).

2018			TRIAL AVERAGE				Menominee					Marinette WI			
BRAND / HYBRID	RM	TRAIT	%H2O	BU/A	Twt	%SL	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL
Brunner 2865GTA	86	Agrisure® GT	23.1	178.4	54.8	3.6	21.0	164.3	52.7	2.2	92	25.2	192.4	56.8	4.9
Brunner 2897GT-3010	89	Agrisure® 3010	23.8	211.8 *	53.4	3.4	21.9	199.5 *	51.0	1.0	83	25.7	224.0	55.7	5.7
Brunner 3915GT-3110	91	Agrisure Viptera® 3110	24.5	198.9	51.1	2.2	22.1	180.4	49.1	3.9	84	26.8	217.4	53.0	0.4
Byron Seeds 35C10	85		17.2	169.6	50.8	0.5	17.2	169.6	50.8	0.5	87				
Dairyland DS9686	86	Agrisure® 3000GT	24.7	188.4	53.9	3.7	21.5	154.0	52.1	5.1	95	27.9	222.8	55.6	2.3
Dairyland DS7294a	94	Agrisure Viptera® 3220	27.4	222.9 *	51.1	0.0	26.3	194.9 *	48.5	0.0	83	28.4	250.9 *	53.6	0.0
Dekalb DKC37-50RIB	87	Genuity™ VT Double Pro™ RIB	24.4	205.3 *	51.7	1.4	21.1	183.4	49.9	0.9	93	27.6	227.1	53.4	1.9
DuPont Pioneer P9188AM	91	Optimum® AcreMax®	25.3	223.2 **	51.8	1.6	23.9	216.9 **	49.1	1.3	98	26.6	229.4	54.5	1.9
Dupont Pioneer P9492AM	94	Optimum® AcreMax®	30.0	214.1 *	51.3	2.9	30.8	173.4	48.1	3.8	94	29.2	254.8 *	54.5	1.9
Federal Hybrids 3190VT2P	81	Genuity™ VT Double Pro™	20.3	196.9	54.6	2.0	19.2	186.1	52.5	2.4	90	21.3	207.7	56.6	1.5
Federal Hybrids 3570VT2PRIB	83	Genuity™ VT Double Pro™ RIB	22.4	186.8	54.1	2.7	19.5	159.1	52.5	4.3	81	25.3	214.5	55.6	1.1
Federal Hybrids 3660GT3011A	86	Agrisure® 3011	23.1	190.6	53.9	5.6	20.6	173.2	52.2	3.2	93	25.6	208.0	55.6	8.0
Federal Hybrids 3790VT2P	87	Genuity™ VT Double Pro™	24.1	218.5 *	53.1	2.6	21.6	208.1 *	50.9	1.4	92	26.6	228.9	55.2	3.8
Federal Hybrids 3880VT2PRIB	88	Genuity™ VT Double Pro™ RIB	24.8	206.2 *	52.3	0.0	22.8	194.5 *	49.9	0.0	90	26.7	217.9	54.6	0.0
Federal Hybrids 3890VT2P	89	Genuity™ VT Double Pro™	24.3	208.8 *	52.0	0.2	21.3	194.5 *	51.3	0.0	90	27.2	223.1	52.7	0.4
Federal Hybrids 4160VT2PRIB	91	Genuity™ VT Double Pro™ RIB	24.8	219.5 *	51.8	2.3	22.1	198.3 *	49.5	4.5	92	27.5	240.6	54.0	0.0
Federal Hybrids 4190VT2P	91	Genuity™ VT Double Pro™	25.1	212.5 *	51.9	0.5	22.0	204.4 *	49.7	1.0	91	28.1	220.5	54.0	0.0
Foundation Direct 8972	85	Conventional	23.8	206.7 *	54.9	3.2	20.9	190.8	52.6	3.7	94	26.6	222.5	57.2	2.6
Foundation Direct EXP088	88	Conventional	27.1	173.8	51.1	1.0	27.1	173.8	51.1	1.0	88				
Golden Harvest G78A02-3010 Brand	78		20.4	206.7 *	50.8	5.9	20.4	206.7 *	50.8	5.9	91				
Golden Harvest G80Q01-3110A Brand	80		20.8	144.9	51.7	2.7	20.8	144.9	51.7	2.7	95				
Golden Harvest G84J92-3011A.1 Brand	84		20.2	190.9	52.8	0.0	20.2	190.9	52.8	0.0	90				
InVision FS 35SV1 RIB	85	Genuity™ VT Double Pro™ RIB	23.1	187.9	52.6	2.7	20.8	171.7	51.4	1.5	91	25.4	204.0	53.7	3.8
InVision FS 37TV1 RIB	87	Genuity™ VT Double Pro™ RIB	22.8	209.4 *	54.2	0.4	20.4	194.6 *	51.2	0.0	90	25.2	224.2	57.1	0.8
InVision FS 41TV1 RIB	91	Genuity™ VT Double Pro™ RIB	25.8	219.3 *	51.3	2.2	24.0	178.3	49.0	4.4	89	27.6	260.3 *	53.5	0.0
Jung 4D178RIB	84	Genuity™ VT Double Pro™ RIB	23.1	201.3	53.7	2.0	20.3	183.0	52.2	0.5	93	25.9	219.5	55.1	3.4
Jung 36DP318	86	Genuity™ VT Double Pro™ RIB	24.9	203.8	53.6	1.8	21.9	190.8	50.8	2.4	89	27.9	216.8	56.3	1.1
Jung 37DP328	87	Genuity™ VT Double Pro™ RIB	23.7	202.9	53.4	2.3	20.3	175.7	51.8	3.0	88	27.1	230.1	55.0	1.5
Jung 39DP338	89	Genuity™ VT Double Pro™ RIB	24.2	221.5 *	51.9	0.2	21.7	200.6 *	50.3	0.4	93	26.7	242.3	53.5	0.0
Legacy Seeds L2245	82		20.5	182.2	52.2	3.0	20.5	182.2	52.2	3.0	86				
Legacy Seeds L2546	85		20.7	185.3	53.3	4.5	20.7	185.3	53.3	4.5	84				
Legacy Seeds L2817	86	Genuity™ VT Double Pro™ RIB	24.0	204.4	53.3	2.0	22.0	189.1	50.7	3.2	90	26.0	219.6	55.9	0.7
Legacy Seeds L2847	88	Genuity™ VT Double Pro™ RIB	25.5	218.9 *	51.9	0.5	24.2	199.6 *	48.9	0.5	89	26.7	238.2	54.9	0.4
Legacy Seeds L2937	89	Agrisure® 3010	26.4	216.2 *	51.3	0.2	25.8	195.2 *	48.6	0.0	99	26.9	237.2	53.9	0.4
Legacy Seeds L3017	90	Genuity™ VT Double Pro™ RIB	26.1	216.3 *	52.3	2.2	23.4	184.5	49.7	3.2	95	28.7	248.1 *	54.9	1.1
Legacy Seeds L3117	91	Genuity™ VT Double Pro™	26.6	201.9	51.6	1.5	25.9	187.5	48.9	2.5	88	27.3	216.3	54.3	0.4
Legend Seeds LR9882VT2PRIB	82	Genuity™ VT Double Pro™ RIB	21.3	174.1	53.8	4.8	18.7	150.7	52.7	3.5	92	23.8	197.4	54.8	6.1

Legend Seeds JSC40J684RR	84	Roundup Ready® Corn 2	22.9	202.6	55.0	7.2	20.8	198.7 *	53.3	1.4	92	25.0	206.5	56.6	12.9
LG Seeds LG30C02VT2RIB	80	Genuity™ VT Double Pro™ RIB	24.3	186.1	52.5	2.5	21.0	170.7	50.6	1.9	95	27.5	201.5	54.3	3.1
LG SEEDS LG5370VT2RIB	84	Genuity™ VT Double Pro™ RIB	21.1	178.5	54.5	3.1	20.0	160.8	51.7	0.5	89	22.2	196.1	57.2	5.7
LG SEEDS LG5375VT2RIB	85	Genuity™ VT Double Pro™ RIB	22.4	172.6	54.0	1.0	21.1	145.1	52.2	0.0	92	23.7	200.0	55.7	1.9
LG Seeds LG8C18VT2RIB	88	Genuity™ VT Double Pro™ RIB	25.2	203.7	51.4	0.8	22.7	174.6	49.3	1.5	87	27.7	232.8	53.4	0.0
Munson 4417GT	84	Agrisure® GT	23.5	171.6	54.2	2.4	20.9	166.6	52.9	2.1	96	26.1	176.5	55.4	2.7
Munson 4821RR	88	Roundup Ready® Corn 2	23.9	216.3 *	53.1	0.0	21.6	195.7 *	51.3	0.0	95	26.2	236.8	54.9	0.0
Munson 4830-3220EZ	88	Agrisure Viptera® 3220 E-Z Refuge®	24.9	207.6 *	51.4	1.9	23.6	203.7 *	48.9	2.3	97	26.2	211.5	53.9	1.5
Munson 5016VT2P	90	Genuity™ VT Double Pro™ RIB	24.7	210.9 *	51.0	1.4	21.6	192.1 *	49.9	1.9	90	27.7	229.6	52.0	0.8
Munson 5456VT2P	94	Genuity™ VT Double Pro™ RIB	28.4	213.9 *	51.9	0.6	28.4	202.8 *	48.5	0.0	85	28.4	225.0	55.3	1.1
NK Brand NK8881-3010A	88	Agrisure® 3010	24.2	214.1 *	51.6	2.8	22.1	185.6	49.4	4.5	92	26.2	242.5	53.8	1.1
NK Brand N27P-3110A	92	Agrisure Viptera® 3110	25.0	218.3 *	53.0	7.0	23.5	188.2	51.4	12.5	87	26.4	248.3 *	54.5	1.5
DAIRYLAND SEED RPM-2918AM	85	Optimum® AcreMax®	22.4	202.1	51.7	1.4	19.8	173.2	50.7	1.6	81	24.9	231.0	52.6	1.1
PIP 3888	88	Agrisure® 3010	24.1	214.6 *	53.1	3.3	22.2	185.0	51.1	5.8	83	25.9	244.1 *	55.0	0.7
ProHarvest X18320VT2P	87	Genuity™ VT Double Pro™	23.2	197.6	52.7	1.5	20.7	181.8	50.9	2.2	101	25.7	213.4	54.5	0.7
ProHarvest 4255STAXRIB	92	Genuity™ SmartStax™ RIB	26.4	218.9 *	52.3	0.4	24.8	182.4	50.5	0.0	91	28.0	255.4 *	54.1	0.8
ProHarvest 4340VT2PRIB	93	Genuity™ VT Double Pro™ RIB	27.8	222.9 *	51.8	5.0	26.2	180.9	49.1	9.6	86	29.4	264.9 **	54.5	0.4
Project Seeds PS8922GT	85	Agrisure® GT	23.0	179.0	55.7	6.8	20.4	166.2	53.4	10.8	90	25.6	191.8	57.9	2.7
Project Seeds 8978GT	86	Agrisure® GT	22.9	177.8	54.3	1.1	20.9	141.4	52.3	1.0	91	24.8	214.2	56.3	1.1
Renk RK264RR	85	Roundup Ready® Corn 2	24.2	198.3	52.4	0.5	20.7	170.2	50.4	0.5	88	27.7	226.3	54.4	0.4
RENK RK287VT2P	87	Genuity™ VT Double Pro™ RIB	25.4	220.0 *	52.7	1.4	22.4	195.6 *	50.5	2.0	86	28.3	244.3 *	54.9	0.8
RENK RK408VT2P	90	Genuity™ VT Double Pro™ RIB	26.1	216.0 *	51.4	1.6	24.1	195.4 *	49.3	2.4	92	28.0	236.5	53.4	0.7
Spectrum 3617	86	Conventional	25.5	205.6 *	52.6	4.6	22.4	188.0	50.6	2.3	94	28.5	223.1	54.6	6.8
Wolf River Valley WRV 2882 Gt	82		19.2	155.9	51.8	0.0	19.2	155.9	51.8	0.0	97				
Wolf River Valley WRV 2785	85		21.1	146.7	52.4	1.9	21.1	146.7	52.4	1.9	93				
Wolf River Valley WRV 2693	93		22.4	199.1	50.3	0.4	22.4	199.1 *	50.3	0.4	95				
AVERAGE			23.9	199.5	52.6	2.2	22.1	182.2	50.9	2.4	91	26.6	224.7	54.8	2.0
HIGHEST			30.0	223.2	55.7	7.2	30.8	216.9	53.4	12.5	101	29.4	264.9	57.9	12.9
LOWEST			17.2	144.9	50.3	0.0	17.2	141.4	48.1	0.0	81	21.3	176.5	52.0	0.0
CV (%)			7.4	9.5	2.4	173.5	8.0	10.2	2.3	169.5	5	5.9	7.2	2.4	153.5
LSD (5%)			1.7	18.4	1.2	3.7	2.4	25.2	1.6	5.5	6	2.1	22.0	1.8	4.1

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2018 Corn Silage			TRIAL AVERAGE								Menominee											
			YIELD			% QUALITY			MILK 2006		YIELD				% QUALITY						MILK 2006	
BRAND / HYBRID	RM	TRAIT	%DM	GT/A	DT/A	NDF	NDFD	STR	MK/T	MK/A	%DM	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP	STR	MK/T	MK/A
Byron Seeds KF43C40	93										35.2	21.5	7.6	82	81.3	19.0	36.5	48.7	7.5	38.9	3274	24854
Byron Seeds KF49C60	99										41.1	21.6	8.9 *	86	85.0	16.1	33.0	54.7	7.2	44.8	3526	31421
Channel 192-98STXRIB	92	Genuity™ SmartStax™ RIB	33.2	27.2	9.0	39.1	57.7	33.4	3302	29607	34.7	23.7	8.2	85	82.2	16.3	36.9	51.9	7.5	39.4	3324	27515
Channel 198-98STXRIB	98	Genuity™ SmartStax™ RIB	32.6	29.9	9.6 *	39.6	55.3	33.3	3291	31571	34.8	26.1	9.1 *	84	81.7	19.1	36.5	49.8	7.2	39.3	3297	29915
Dairyland HiDF3188-6	88	Roundup Ready® Corn 2	44.3	18.8	8.2	39.1	57.5	35.4	3329	27097	44.2	16.7	7.4	85	83.2	18.2	35.8	53.2	7.5	41.2	3393	24947
Dairyland HiDF3290-9	90	Agrisure® 3000GT	40.2	23.2	9.9 *	38.2	56.3	36.8	3369	33408	43.2	17.2	9.0 *	82	82.1	19.4	37.0	51.5	7.4	41.1	3314	29713
Dairyland HiDF3197RA	97	DAS SmartStax™plus RIB	35.8	27.9	9.9 *	37.8	57.2	35.9	3393	33592	36.5	25.3	9.3 *	88	84.0	15.0	33.8	52.6	7.4	42.4	3457	32088
Dekalb DKC42-05RIB	92	Genuity™ VT Double Pro™ RIB	36.8	25.6	9.3	36.9	56.2	36.4	3378	31221	39.7	22.1	8.8	86	83.2	17.3	33.9	50.6	7.2	42.7	3412	29942
Federal Hybrids 4160VT2PRIB	91	Genuity™ VT Double Pro™ RIB	36.3	28.3	9.7 *	38.6	55.0	34.6	2778	26386	40.7	20.6	8.3	86	82.5	18.0	34.7	49.5	6.9	42.4	3364	28035
Federal Hybrids 4190VT2P	91	Genuity™ VT Double Pro™	39.6	22.0	8.7	35.1	55.4	38.7	3413	29600	44.3	20.9	9.3 *	92	85.0	14.1	29.7	49.6	7.3	48.2	3554	32940
Federal Hybrids 4680VT2PRIB	96	Genuity™ VT Double Pro™ RIB	35.1	25.1	8.7	39.1	56.8	34.0	3282	28602	35.8	23.6	8.4	88	83.4	17.8	35.0	52.5	7.5	41.7	3408	28757
Golden Harvest G90Y04-3220A-EZ1 Brand	90		34.8	26.8	9.3	37.2	55.0	35.9	3323	30588	34.0	24.6	8.4	85	83.6	17.0	33.8	51.5	7.5	42.3	3431	28709
Golden Harvest G98L17-3000GT Brand	98										32.6	26.3	8.5	82	82.9	19.0	36.5	53.2	6.8	38.1	3369	28784
InVision FS 37TV1 RIB	87	Genuity™ VT Double Pro™ RIB	41.5	21.6	8.9	35.5	54.7	39.4	3415	30477	44.4	17.0	7.8	85	83.9	15.8	32.0	49.7	7.2	46.7	3466	27164
InVision FS 41TV1 RIB	91	Genuity™ VT Double Pro™ RIB	35.7	22.3	7.8	38.7	56.3	35.6	3327	25940	33.5	20.8	6.9	85	84.3	16.4	33.6	53.0	7.5	43.7	3475	23927
InVision FS 43RA1 EZR	93	Agrisure Viptera® 3220 E-Z Refuge®	33.5	25.3	8.6	38.3	55.9	31.5	3243	27683	34.8	22.1	8.1	90	81.2	16.5	34.0	53.4	7.2	37.7	3459	28076
InVision FS 45SV1 RIB	95	Genuity™ VT Double Pro™ RIB	37.8	23.1	8.6	38.0	56.2	36.3	3394	29213	40.2	20.3	8.2	91	82.5	18.1	35.2	50.3	7.3	41.7	3357	27377
Jung 4D178RIB	84	Genuity™ VT Double Pro™ RIB	40.8	22.7	9.1	34.1	56.3	39.7	3442	31222	42.2	20.3	8.3	89	83.8	16.8	33.0	50.9	7.2	43.5	3453	28683
Jung 42DP419	92	Genuity™ VT Double Pro™ RIB	40.3	24.7	9.7 *	36.1	56.5	36.6	3460	33423	43.2	21.8	9.3 *	91	82.6	15.7	32.2	52.8	6.5	41.3	3526	32606
Jung 7S378RIB	94	Genuity™ SmartStax™ RIB	32.6	30.3	9.6 *	38.8	55.3	34.5	2808	26844	35.8	25.3	9.1 *	86	83.2	17.4	34.7	51.6	7.4	41.3	3401	30854
Jung 46SS428	96	Genuity™ SmartStax™ RIB	34.5	29.2	10.0 *	35.3	57.9	37.8	3514	35249	36.1	27.8	10.0 **	89	84.8	16.0	32.2	52.9	7.6	43.0	3521	35326
Latham 3755VT2PRO	87	Genuity™ VT Double Pro™	41.4	23.4	9.6 *	36.2	55.9	38.2	3393	32454	43.9	20.8	9.1 *	84	84.8	15.3	31.5	51.8	7.2	46.2	3528	32132
Latham 4242VT2PRO	92	Genuity™ VT Double Pro™	35.2	27.1	9.4 *	38.1	55.8	35.6	3358	31663	37.5	23.3	8.7	86	82.7	17.9	35.4	51.2	6.7	41.2	3371	29330
Legacy Seeds L2847	88	Genuity™ VT Double Pro™ RIB	41.4	23.6	9.7 *	38.4	54.7	35.5	3293	31893	44.3	20.5	9.4 *	86	83.1	19.5	34.5	51.1	7.2	42.3	3401	31790
Legacy Seeds L2937	89	Agrisure® 3010	36.7	25.5	9.3	38.9	54.9	34.9	3286	30453	37.5	23.8	9.0 *	91	82.5	18.7	36.6	52.2	7.1	40.2	3346	30004
Legacy Seeds L3335	93										36.8	21.5	8.0	87	83.4	17.7	35.4	53.0	7.5	41.3	3404	27122
Legacy Seeds L3537	95	Agrisure Viptera® 3110	36.1	27.6	10.3 **	36.9	55.7	36.2	2816	28567	37.0	24.8	10.0 **	86	83.8	16.8	33.4	51.1	7.6	42.2	3445	34452
Legacy Seeds L3547	95										37.0	22.2	8.3	89	84.9	16.1	32.3	53.2	7.3	44.7	3524	29133
LG Seeds LG8C18VT2RIB	88	Genuity™ VT Double Pro™ RIB	36.6	25.4	9.1	36.2	57.5	37.5	3485	31820	39.0	19.7	7.6	86	82.9	17.3	35.9	52.2	7.4	40.3	3374	25653
LG SEEDS LG5410VT2RIB	91	Genuity™ VT Double Pro™ RIB	33.8	27.1	9.1	37.8	57.3	35.2	3374	30759	34.6	23.4	8.1	87	82.9	18.3	36.0	52.5	7.4	40.1	3370	27270
LG SEEDS LG44C27VT2PRO	94	Genuity™ VT Double Pro™	35.8	28.6	10.0 *	39.4	57.1	34.6	3328	33302	39.0	24.2	9.4 *	84	83.1	17.9	35.9	52.8	7.1	41.5	3384	31812
LG SEEDS LG44C34-3110	94	Agrisure Viptera® 3110	36.8	27.1	9.9 *	35.6	56.7	37.6	3401	33636	37.1	24.9	9.2 *	83	83.9	16.2	32.7	50.7	7.4	43.8	3460	31845
Masters Choice MCT2552 VIP3110	75	Agrisure Viptera® 3110	48.4	14.7	7.1	36.2	56.9	36.5	3388	23834	52.8	11.5	6.3	88	83.3	16.0	32.5	53.1	8.3	40.3	3505	22142
Masters Choice MCT3891 GT	88	Agrisure® GT																				
Masters Choice MCT4572 VIP3110	95	Agrisure Viptera® 3110	38.4	22.8	8.9	40.3	54.1	33.3	3207	28430	37.5	22.1	8.6	85	81.5	19.6	37.1	50.2	7.3	39.2	3282	28244
NK Brand NK8618-3011A	88	Agrisure® GT																				
NK Brand NK8881-3010A	88	Agrisure® 3010	40.1	22.9	9.2	38.2	55.0	35.7	3298	30280	40.6	20.4	8.3	83	82.5	18.1	35.7	50.9	7.5	40.9	3349	27794
NK Brand N27P-3110A	92	Agrisure Viptera® 3110	33.9	28.3	9.5 *	39.3	53.4	33.4	3266	30892	36.0	23.1	8.3	82	80.9	19.8	37.7	49.2	7.1	37.0	3239	26722
NK Brand NK9227-3220A	92	Agrisure Viptera® 3220 E-Z Refuge®	31.7	26.6	8.5	39.3	54.9	33.4	3270	27736	31.2	23.1	7.3	88	82.9	20.3	34.9	51.3	7.4	40.6	3384	24659
NK Brand NK9505-3110	95	Agrisure Viptera® 3110	38.7	24.9	9.6 *	40.1	53.9	33.1	3144	30267	38.4	24.1	9.2 *	86	80.7	20.4	38.4	49.6	6.7	38.1	3223	29852
Prairie Hybrids 418	97	Conventional	37.9	26.3	9.8 *	35.8	58.7	38.6	3484	34117	41.4	22.3	9.2 *	94	85.0	15.7	32.0	53.2	7.1	46.3	3537	32663
VIKING 71-90GS	90	Conventional	38.4	26.0	10.2 *	36.2	55.0	38.2	3377	34442	37.5	22.4	8.8	85	83.1	16.8	32.9	48.8	7.1	44.7	3413	30200
Viking 42-92	92	Conventional	33.9	27.3	9.2	38.6	57.2	35.0	3348	30830	35.6	22.7	8.1	90	82.2	19.0	36.6	51.5	7.0	40.3	3330	27035
Wolf River Valley WRV 2882 Gt	82																					
Wolf River Valley WRV 2387L RR	87																					
Wolf River Valley WRV 3988FL RR	88																					
AVERAGE			37.2	25.2	9.2	37.7	56.0	35.8	3305	30475	38.6	21.9	8.4	86	83.0	17.8	35.1	51.6	7.3	41.3	3391	28702
HIGHEST			48.4	30.3	10.3	40.3	58.7	39.7	3514	35249	52.8	27.8	10.0	94	85.0	27.8	49.1	55.2	8.3	48.2	3554	35326
LOWEST			31.7	14.7	7.1	34.1	53.4	31.5	2778	23834	28.6	11.5	5.1	54	79.0	14.1	29.7	48.7	6.5	27.7	2905	16433
CV (%)			8.5	13.7	9.9	8.8	3.8	11.5	12	18	6.0	7.8	9.1	4	2.7	12.9	10.3	3.6	6.3	12.2	4	10
LSD (5%)			3.0	3.3	0.9	3.2	2.0	3.9	394	5194	3.2	2.3	1.1	5	3.1	3.1	4.9	2.5	0.6	6.9	202	3764

2018 Corn Silage			Marinette WI							
			YIELD			% QUALITY			MILK 2006	
BRAND / HYBRID	RM	TRAIT	%DM	GT/A	DT/A	NDF	NDFD	STR	MK/T	MK/A
Byron Seeds KF43C40	93									
Byron Seeds KF49C60	99									
Channel 192-98STXRIB	92	Genuity™ SmartStax™ RIB	31.7	30.6	9.7	41.2	63.4	27.4	3279	31699
Channel 198-98STXRIB	98	Genuity™ SmartStax™ RIB	30.3	33.7	10.1	42.7	60.7	27.2	3284	33228
Dairyland HiDF3188-6	88	Roundup Ready® Corn 2	44.4	20.9	8.9	42.4	61.7	29.5	3266	29247
Dairyland HiDF3290-9	90	Agrisure® 3000GT	37.1	29.1	10.8 *	39.4	61.0	32.5	3424	37102
Dairyland HiDF3197RA	97	DAS SmartStax™plus RIB	35.0	30.4	10.5 *	41.7	61.7	29.3	3329	35096
Dekalb DKC42-05RIB	92	Genuity™ VT Double Pro™ RIB	33.9	29.0	9.7	39.8	61.7	30.0	3343	32501
Federal Hybrids 4160VT2PRIB	91	Genuity™ VT Double Pro™ RIB	31.9	35.9	11.0 *	42.5	60.4	26.8	2193	24738
Federal Hybrids 4190VT2P	91	Genuity™ VT Double Pro™	34.9	23.0	8.0	40.4	61.2	29.2	3273	26260
Federal Hybrids 4680VT2PRIB	96	Genuity™ VT Double Pro™ RIB	34.4	26.6	9.0	43.2	61.0	26.2	3157	28447
Golden Harvest G90Y04-3220A-EZ1 Brand	90		35.6	28.9	10.1	40.6	58.5	29.5	3215	32467
Golden Harvest G98L17-3000GT Brand	98									
InVision FS 37TV1 RIB	87	Genuity™ VT Double Pro™ RIB	38.5	26.1	10.0	39.0	59.6	32.1	3365	33791
InVision FS 41TV1 RIB	91	Genuity™ VT Double Pro™ RIB	37.9	23.8	8.7	43.8	59.5	27.4	3180	27952
InVision FS 43RA1 EZR	93	Agrisure Viptera® 3220 E-Z Refuge®	32.1	28.5	9.1	42.5	58.4	25.2	3027	27290
InVision FS 45SV1 RIB	95	Genuity™ VT Double Pro™ RIB	35.3	25.9	9.0	40.7	62.0	30.9	3431	31050
Jung 4D178RIB	84	Genuity™ VT Double Pro™ RIB	39.4	25.0	9.8	35.1	61.7	35.8	3431	33761
Jung 42DP419	92	Genuity™ VT Double Pro™ RIB	37.3	27.6	10.0	40.0	60.1	31.9	3394	34239
Jung 7S378RIB	94	Genuity™ SmartStax™ RIB	29.3	35.2	10.1	42.9	59.0	27.7	2214	22834
Jung 46SS428	96	Genuity™ SmartStax™ RIB	32.9	30.5	10.0	38.4	62.8	32.5	3508	35171
Latham 3755VT2PRO	87	Genuity™ VT Double Pro™	38.8	26.0	10.1	40.8	60.0	30.1	3259	32775
Latham 4242VT2PRO	92	Genuity™ VT Double Pro™	32.9	30.8	10.1	40.7	60.4	29.9	3345	33996
Legacy Seeds L2847	88	Genuity™ VT Double Pro™ RIB	38.4	26.7	10.0	42.2	58.3	28.7	3185	31997
Legacy Seeds L2937	89	Agrisure® 3010	35.8	27.2	9.6	41.1	57.5	29.5	3226	30902
Legacy Seeds L3335	93									
Legacy Seeds L3537	95	Agrisure Viptera® 3110	35.1	30.3	10.6 *	40.4	60.2	30.2	2187	22683
Legacy Seeds L3547	95									
LG Seeds LG8C18VT2RIB	88	Genuity™ VT Double Pro™ RIB	34.1	31.0	10.6 *	36.4	62.8	34.7	3597	37988
LG SEEDS LG5410VT2RIB	91	Genuity™ VT Double Pro™ RIB	33.0	30.7	10.1	39.6	62.1	30.3	3378	34247
LG SEEDS LG44C27VT2PRO	94	Genuity™ VT Double Pro™	32.5	33.0	10.6 *	42.9	61.3	27.6	3272	34792
LG SEEDS LG44C34-3110	94	Agrisure Viptera® 3110	36.4	29.3	10.6 *	38.5	62.6	31.4	3341	35427
Masters Choice MCT2552 VIP3110	75	Agrisure Viptera® 3110	43.9	17.8	7.8	39.9	60.7	32.6	3271	25526
Masters Choice MCT3891 GT	88	Agrisure® GT	48.7	19.8	9.5	42.6	0.0	30.2	3049	29206
Masters Choice MCT4572 VIP3110	95	Agrisure Viptera® 3110	39.2	23.4	9.1	43.5	58.0	27.3	3132	28616
NK Brand NK8618-3011A	88	Agrisure® GT	45.2	22.0	9.9	41.1	0.0	30.9	3143	31102
NK Brand NK8881-3010A	88	Agrisure® 3010	39.6	25.4	10.1	40.7	59.0	30.4	3248	32766
NK Brand N27P-3110A	92	Agrisure Viptera® 3110	31.7	33.5	10.6 *	40.9	57.5	29.7	3292	35062
NK Brand NK9227-3220A	92	Agrisure Viptera® 3220 E-Z Refuge®	32.2	30.0	9.6	43.6	58.4	26.2	3156	30812
NK Brand NK9505-3110	95	Agrisure Viptera® 3110	39.0	25.7	10.0	41.7	58.1	28.1	3065	30682
Prairie Hybrids 418	97	Conventional	34.4	30.3	10.4 *	39.5	64.1	30.8	3431	35571
VIKING 71-90GS	90	Conventional	39.3	29.5	11.5 **	39.5	61.2	31.6	3341	38684
Viking 42-92	92	Conventional	32.2	31.9	10.3 *	40.6	62.8	29.7	3365	34625
Wolf River Valley WRV 2882 Gt	82									
Wolf River Valley WRV 2387L RR	87									
Wolf River Valley WRV 3988FL RR	88									
AVERAGE			36.2	28.0	9.9	40.9	60.5	29.8	3200	31693
HIGHEST			48.7	35.9	11.5	43.8	64.1	35.8	3597	38684
LOWEST			29.3	17.8	7.8	35.1	57.5	25.2	2187	22683
CV (%)			8.4	13.6	9.5	7.3	3.6	11.0	17	21
LSD (5%)			4.1	5.2	1.3	4.0	3.0	4.4	749	9171

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

THANK YOU TO OUR FARM COOPERATORS:

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