

2021 MICHIGAN CORN HYBRIDS COMPARED

EXTENSION BULLETIN E-431



College of Agriculture and Natural Resources

RESEARCH CONDUCTED BY MICHIGAN STATE UNIVERSITY Results of the 2021 Growing Season

COMPANY INDEX

BRAND	CONTACT	BRAND	CONTACT
AG ARMOUR	Ag Armour Seeds 8236 North Williams Rd. St. Johns, MI 48879 https://ag-armourseeds.com/	NK Brand	NK Seeds 2001 Butterfield Rd Suite 1600 Downers Grove, IL 60515 www.syngenta-us.com/seds/nk
DAIRYLAND	Dairyland Seed P.O. Box 958 West Bend, WI 53095 www.dairylandseed.com	RENK	Renk Seed Company 6809 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
DYNA-GRO	Dyna-Gro Seed 4648 S. Garfield Road Auburn, MI 48611 www.dyna-groseed.com	RUPP	Rupp Seeds, Incorporated 17919 Co. Road B Wauseon, OH 43567 www.ruppseeds.com
GOLDEN HARVES	T Golden Harvest 2001 Butterfield Rd Suite 1600 Downers Grove, IL 60515 www.goldenharvestseeds.com	SEEDWAY	Seedway LLC P.O. Box 250 Hall, NY 14463 www.seedway.com
KEY	AGRA Solutins 23778 Jennings Delphos Rd. Delphos, OH 45833 https://www.agrasolutions.com	SPECIALTY	Specialty Hybrids 306 N Main Street Monticello, IN 47960 www.specialtyhybrids.com
LEGACY SEEDS	Legacy Seeds, Incorporated P.O. Box 68 - 290 Depot St. Scandinavia, WI 54799 www.legacyseeds.com	VIKING	Albert Lea Seeds 1414 West Main Street P.O. Box 127 Albert Lea, MN 56007 www.seedhouse@alseed.com
LEGEND	Legend Seeds P.O. Box 241 DeSmet, SD 57231 www.legendseeds.com	WELLMAN	Wellman Seeds, Incorporated 23778 Delphos Jennings Road Delphos, OH 45833 www.wellmanseeds.com
LG SEEDS	LG Seeds 1122 E 169th St. Westfield, IN 46074 www.lgseeds.com	WYCKOFF	Wyckoff Hybrids 594 E 400 N Valparaiso, IN 46383 www.wyckoffbybrids.com
M & W SEEDS	M & W Seeds Incorporated 8443 Wilcox Road Eaton Rapids, MI 48827 www.mwseeds.com		

2021 MICHIGAN CORN PERFORMANCE TRIALS

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Introduction

The Michigan State University (MSU) Department of Plant, Soil and Microbial Sciences conducts the Michigan Corn Performance Trials (MCPT) each year in cooperation with Michigan State University AgBioResearch, The Ohio State University, seed corn companies, and farmers, to determine yield and quality performance for corn hybrids throughout the state of Michigan.

Entries

Seed companies are invited to enter their hybrids in the trials and a fee is charged to cover incurred expenses. Separate indices for grain and silage provide a list of all hybrids entered in the 2021 trials (pg. 24-25 and 28, respectively). A total of 217 hybrids from 17 brand names make up the 320 entries, which translates into 3,840 separate plots planted across 12 grain locations and 9 silage locations in Michigan in 2021. Hybrids are entered into zones based upon growing degree days and then grouped into Early and Late trials based upon relative maturities. Company names used in association with hybrid numbers refer to the brand. Hybrid numbers are designated by the company.

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 9.

How to Use This Bulletin

Tables list hybrids alphabetically and contain yield results for each location along with trial averages within each zone. Complete one and two-year yield results are listed in tables for each trial within 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

Results 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 entries are two methods employed to reduce this variability. Because these methods do not eliminate all variability, the magnitude of difference necessary for statistical significance has been calculated for yield, moisture content, and test weight. The least significant difference (LSD) is the amount an individual hybrid would have to differ from another hybrid to be considered significantly different. The coefficient of variability (CV) is indicative of a trial's 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 (**), hybrids that are not significantly different from the highest yielding hybrid are indicated with a single asterisk (*). Other agronomic information relative to each trial is given in Table B for the grain trials (pg. 26) and Table C for the silage trials (pg. 29). Fertilizer amounts are shown as total pounds per acre of N, P_2O_5 , and K_2O applied during the season.

Season in Summary: 2021

Entry forms for participating companies were due March 15th; by the end of March seed was starting to arrive. After a lot of paperwork, printing labels, and placing labels on packets, we began counting seeds and filling packets. Seed packets were sorted by trial and location and organized according to the randomization for each location.

Planting commenced in Montcalm County on May 10th and ended in losco and Missaukee Counties on June 1st. Changes in County locations for the 2021 season included moving the Wexford County location to the Lake City AgBioResearch Center in Missaukee County.

Weed control was applied at trial locations as needed. Fertilizer applications were consistent with rates that were necessary based on soil type, soil samples, and cooperator recommendations for the field. Stand counts were conducted at all trial locations between the V4 and V6 growth stages.

Silage harvesting began on September 2ND in Wood County, OH and finished on September 29th in Missaukee County. We had a short break before grain harvest began, harvest started on October 13th in Ingham County and ended November 17th in Presque Isle County.

Locations in Zones 1, 2 and 3 (excluding Huron County) experienced tar spot infestation. The most severe disease pressure was observed in the southern-most counties, especially at locations with irrigated fields. Northern trial locations were less impacted by the disease.

Due to Michigan State University COVID-19 restrictions during the 2020 growing season, many locations were dropped from the trials and stand count data was not collected. Therefore, the multi-year analysis for the 2021 trials are limited.

Table A (pg. 5) presents 2021 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.

2021 GROWING SEASON WEATHER SUMMARY

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

Prior to the 2021 growing season, the winter of 2020/2021 (December-February) averaged out as milder and drier than normal across Michigan, with mean temperatures 3.4°F above and 1.28" of precipitation totals 1.28" below the long term averages. However, there were some wide swings in temperature, especially during the latter stages of the season. Following an abnormally mild December and much of January, an arctic-origin upper air low pressure system moved southward into southern Canada, leading to the development of severe winter weather conditions across the Midwest during the first week of February and to a prolonged period of abnormally cold temperatures and almost daily snowfall across much of the state. Lake effect snowfall totals in northern and western portions of the state during the first half of February were significant, with more than 2 feet in most locations. In addition, a major winter storm brought widespread heavy snow, strong winds, and major travel disruptions to southern and central sections on the 15th. Interestingly, the relatively warm waters of the Great Lakes (warmer than normal at that point due to the mild fall and early winter) spared much of Michigan from even colder conditions. At their peak during the 14th-18th of the month, air temperatures in Lower Michigan averaged 15-25 degrees warmer than in areas upwind in Wisconsin and Minnesota due to the moderating effects of the open water and to lake effect clouds and precipitation. Extreme minimum temperatures across western sections of Lower Michigan generally ranged from -5°F to +10°F, while sections of Upper Michigan not in the direct downwind shadow of Lake Superior recorded low temperatures of -40°F or lower.

A major change in the jet stream to a mostly westerly flow pattern across North America during the last week of February led to a return of above normal temperatures and to an abrupt end of the arctic outbreak. Warmer and drier than normal conditions continued for much of March. Mean temperatures for the month March were much above normal state- and region-wide, generally ranging from 4-8°F above the long term normals. Early season base 50°F growing degree accumulations as of the beginning of April ranged from less than 20 units across northern sections to more than 80 units in the south and were enough to force break of dormancy and early development of some overwintering crops. Monthly precipitation totals were generally below normal statewide, ranging from less than 1.00" across much of the northern half of Lower Michigan and eastern Upper Michigan to more than 2.00" across the southern Lower and western Upper Peninsulas. Given a drier than normal winter and early spring (and late fall 2020 in some sections of the state), abnormally dry soils developed across much of the state and by the end of the month, the U.S. Drought Monitor categorized more than 97% of the state as either 'abnormally dry' (category 'D0') or in 'Moderate Drought' (category 'D1'), normally the period of highest soil moisture in the annual hydrologic cycle.

A changing, dynamic jet stream pattern across North America led to a range of weather conditions during the first half of April, with much warmer than normal temperatures during the first week of the month transitioning to much colder than normal weather during the third week. The formation of a deep upper air trough over the central USA led to the passage of a Canadian-origin air mass and sub-freezing temperatures through the region from the 19th-22nd which damaged some overwintering and early-planted crops. Despite the cold outbreak, mean monthly temperatures and seasonal growing degree day accumulations for April remained two-three calendar weeks ahead of normal over much of the state and the most advanced since the spring of 2012.

The development of a split flow jet stream pattern across North America resulted in major differences in precipitation across Michigan during late April and the beginning of May, with heavy rainfall totals across many northern sections of the state contrasted by persistent below normal rain totals and intensifying dryness across central and southern sections. Precipitation totals for the month of April ranged from less than 1.00" across southeastern and east central Lower Michigan (less than 50% of normal) to more than 3.00" across western and northern portions of Lower Michigan to more than 5.00" over central sections of the Upper Peninsula (150-200% of normal). Combined with higher than normal potential evapotranspiration rates during the preceding weeks, plant available soil moisture in many central and southern sections of the state fell to well below normal levels for the season, in some areas less than 50% of normal. The drier than normal conditions greatly favored spring planting and other fieldwork activities but delayed germination and activation of herbicides due to dry soils. Widespread freezing temperatures developed once again across much of the state on the 1st of May, damaging some overwintering and earlier-planted crops.

A highly amplified jet stream pattern across North America with a number of passing troughs and ridging features led to wide swings in temperature across Michigan during late May and early June, with periods of unseasonably warm weather from the 20th-25th of May and the 3rd-7th of June and cool weather from the 27th - 30th of May which included reports of scattered frost and freezing temperatures. Mean temperatures across the state during May averaged out close to normal, generally ranging from near to 2°F below the long term normals. As was the case for much of the spring, Michigan generally remained in between major storm tracks to our north and south, resulting in a continuation of drier than normal weather for most of the state. The drier than normal conditions allowed rapid progress of spring planting but stressed emerging crops, transplants, and overwintering crops including pasture and forages. Precipitation totals for the month of May ranged from less than 1.00" across southwestern and east central portions of Lower Michigan (less than 50% of normal) to more than 4.00" across west central sections of the Lower Peninsula (more than 115% of normal). An area of low pressure moving through the Ohio Valley brought widespread rain (generally 0.50"-1.00") to central and southern sections of the state on the 26th-28th and in many southern sections of the state was the most significant precipitation since early April. As of early June, the U.S. Drought Monitor categorized 79% of the state in the D0 through D2 categories including 19% in D0 ('abnormally dry'), 60% in D1 ('Moderate Drought'), and 6% in D2 ('Severe Drought'). The D2 Severe Drought conditions were the first reported in the state since August of 2018 and the most extensive since July of 2012. Worst conditions were reported in southwestern sections of Lower Michigan.

Scattered showers and thunderstorms provided some muchneeded moisture for crops from the 6th-12th of June, but areal coverage was limited and amounts were highly variable. An extended stretch of much warmer than normal weather from the 4th-12th of the month accelerated early crop growth and development but also increased potential evapotranspiration rates and crop water needs, with corresponding decreases in soil moisture availability in most areas. In what would turn out to be the peak of a long term dry pattern across most areas of the state dating back to the winter or even late fall season. the area of the state categorized by the U.S. Drought Monitor as abnormally dry in mid-June increased to just under 93%, including 23% in D0 ('abnormally dry'), 37% in D1 ('Moderate Drought'), and 33% in D2 ('Severe Drought') classes. The worst conditions (D2 category) were reported across portions of the southern half of the Lower Peninsula from the southwestern corner of the state northeastward to the Saginaw Valley and Thumb areas of Lower Michigan and also across portions of west central and northwestern Lower Michigan.

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GROWING SEASON SUMMARY - TEMPERATURE, PRECIPITATION AND GROWING-DEGREE-DAY ACCUMULATIONS

- Weather Continued From Page 4

Major upper air pattern changes occurred during late June with the development of persistent southwesterly flow across the Upper Midwest region and deep moisture transport from the Gulf of Mexico which led to a prolonged period of wet weather including heavy rainfall across many portions of Michigan. Between the 25th and 30th of the month, 5.00" to more than 8.00" was observed across large sections of southern Lower Michigan and was accompanied by a severe weather outbreak on the 26th, including at least 6 confirmed tornadoes and many reports of damaging winds. The heavy precipitation led to localized flooding, lodging of maturing wheat just prior to harvest, major disruptions of forage harvest, and loss of earlier applied nitrogen fertilizer in waterlogged fields. On the positive side, and on a larger spatial scale across many portions of southern Lower Michigan, the heavy precipitation resulted in a dramatic change from moderate to severe drought conditions to normal or even above normal soil moisture conditions in a matter of days. Overall, the rain greatly reduced crop moisture stress and improved prospects for most spring-planted annual crops. For the month of June, total rainfall varied greatly across the state, ranging from less than 2.00" across sections of northern Lower Michigan to more than 10.00" across the southern Lower Peninsula. Mean temperatures for the month averaged out at above normal levels statewide, generally from 2-5°F above the long term means.

During July, a series of upper air troughing features passed through the Upper Midwest, leading to a continuation of wetter than normal weather for much of the state, but drier than normal conditions developed across many western and southern sections by month's end. Monthly precipitation totals for July ranged from less than 1.00" (less than 25% of normal) across western sections of Upper Michigan to more than 6.00" across portions of the northern Lower Peninsula (more than 200% of normal). Mean Temperatures for July were very close to the long term averages. Maximum temperatures on a number of days during July remained a few degrees below what they might have been otherwise due to unusually hazy skies associated with smoke from forest- and rangeland fires across western sections of North America transported eastward by prevailing winds. Seasonal base 50°F growing degree day totals (since May 1st) as of early August generally ranged from 50-150 units above normal, which roughly translates into a small surplus of 2-7 calendar days ahead of normal.

A persistent southwesterly upper air pattern similar to the late June period developed across the Upper Midwest region during early August, leading to a prolonged period of active weather including heavy rainfall across many portions of Michigan from the 9th-12th. Major severe weather outbreaks on the 10th and 11th brought widespread high winds and wind damage to many sections of the state, resulting in power outages for almost 1 million customers. Very heavy rainfall (from 3.00-6.00") was observed in extreme southwestern and northwestern sections of Lower Michigan on the 9th-11th, and over a large area of south central Lower Michigan on the 11th-12th. The southwesterly upper air pattern gave way to an upper air ridging pattern across the Upper Midwest during the second half of August which led to a prolonged period of warm and humid weather across Michigan and the Great Lakes region. Mean temperatures for the month of August were warmer than normal state- and region-wide, with averages generally ranging 2-5°F above the long term normals. Seasonal base 50°F growing degree totals (for May 1st through present) surged ahead as a result, with general surpluses from 50 units across northern sections to more than 300 units over southern sections by month's end. Precipitation totals for the month were variable by location, but were generally above normal at most locations, ranging from less than 3.00" across western sections of Upper Michigan (about 75% of normal) to more than 6.00" across western, northern, and southeastern sections of Lower Michigan (175-200% of normal). The rainfall was very favorable for most springplanted crops advancing through reproductive growth stages.

Warmer than normal weather continued through much of early September, accelerating late growth and maturation of annual crops. The warm weather also favored early harvest operations of corn silage, dry beans, and sugarbeets. A dynamic, progressive jet stream pattern developed across North America during the middle of September with the passage of several upper air troughing systems through the Great Lakes region which led to a return of cooler, more seasonable temperatures and significant rainfall in some areas. The pattern led to a series of severe weather events on the 12th-14th across central and southern sections of the state which included large hail, damaging winds, and localized heavy rain and flooding. Warm weather returned to the Upper Midwest during late September and early October with the redevelopment of upper air ridging across the region. Mean temperatures for September ranged from near normal across sections of eastern Upper and the northeastern Lower Peninsulas to 4°F above normal in southwestern Lower Michigan. Rainfall totals for the month ranged from just over 2.00" across western section of Lower Michigan to more than 5.00" across the eastern portions of the Thumb. As of early October, soil moisture in the top three feet of the profile ranged from below normal levels across large sections of the Upper and extreme southwestern Lower Peninsulas to much above normal levels across southeastern Michigan.

Abnormally warm weather continued across the Upper Midwest into the middle of October. The passage of several upper air troughing features across the Great Lakes region during the last week of the month into early November finally brought colder, more seasonable temperatures and frequent rounds of precipitation (including some lake effect snowfall) to Michigan and ended a prolonged period of abnormally warm weather. Even with the cold weather during late October, mean temperatures for the month remained much above normal, with monthly averages generally ranging from 5-7°F above normal. Monthly precipitation totals ranged from less than 2.00" across western Michigan to more than 8.00" across portions of the southern Lower Peninsula. The cold, wet weather late in the month led to saturated, waterlogged soils and delays in most fieldwork activities including fall harvest and winter wheat planting. The weather pattern change also led to the first widespread killing freeze conditions (minimum temperatures generally from 25-28°F) across the state on the 3rd-4th of November, which in many locations was at least two weeks later than normal. In addition to the late first fall freezes, another factor contributing to a longer than normal growing season this year were warmer than normal temperatures during much of the summer and early fall seasons. Mean temperatures across the state during the May-September period were 2.7°F above normal which is the 11th warmest such period since 1895. The statewide average precipitation total for the period was 18.68", which is 2.78" above normal and the 12th highest on record since 1895. However, the precipitation statistics are very unrepresentative of conditions at times during the summer, which varied from abnormally dry following persistently drier than normal weather for much of the winter, spring, early in the summer to much wetter than normal following much above normal rainfall from late June through early August. Not surprisingly given the warmer than normal season, seasonal base 50°F growing degree day accumulations from May 1st through the end of September ranged from 2100 units in far northern sections of the state to more than 3300 units across southern Lower Michigan (generally 200-400 units above normal), which in many cases was more than 10% above normal and more than enough to bring most heat-dependent crops to maturity prior to the end of the growing season.

2021 GRAIN PERFORMANCE TRIALS

Introduction

The grain index contains a list of all hybrids planted in the 2021 grain trials.

County results are reported in the following tables:

Tables 1E/1L Zone 1 - Branch, Cass, and LenaweeTables 2E/2L Zone 2 - Ingham, Ottawa, and SaginawTables 3E/3L Zone 3 - Huron, Mason, and MontcalmTables 4E/4L Zone 4 - Iosco, Presque Isle, and Missaukee*Tables 5E/5L Conventional Trial - Ingham (Z2), Montcalm(Z3), and Saginaw (Z2)

*Locations dropped due to severe lodging

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, zone 3, and zone 4 were divided into two maturity groups, early and late, based on the relative maturity (RM) of each hybrid provided by the seed companies.

Variety trials were conducted on farmers' fields, The Ohio State University Ohio Agricultural Research and Development Center, and Michigan State University AgBioResearch Stations. Planting was accomplished with an Almaco Seed Pro 360 vacuum planter equipped with precision metering units, Kinze planting units and, Trimbl GFX-750 paired with a NAV-900 controller provided the GPS signal. Four row plots were planted at a uniform length of 22 feet with a 3-foot alleyway at 30-inch row spacing. Experimental design, data acquisition, analysis of variance, and data summarization were facilitated in part by AGROBASE Generation IITM. The experimental layout was a fourreplication, randomized complete block design. Hybrid performance is reported as the adjusted mean averaged from four replicated plots.

All plots within a location were managed uniformly with the same date of planting, fertilizer applications, pest control, harvest date and other management practices. In the field, hybrids were identified only by a plot number to assure unbiased comparisons. Trials in Branch, Cass, Mason, and Ottawa counties were irrigated.

Data was collected on the center two rows of each plot. Target population rates and average trial populations are listed with other important agronomic information in Table B (pg. 26). Stalk lodging (%SL) measurements were recorded during harvest. All plants broken below the ear and/or leaning more than 45 degrees were counted as a lodged plant. Moisture content (%H2O) and field weights were measured by a Harvest MasterTM single plot high capacity Grain GageTM HM800 System that is mounted on the Kincaid 8-XP plot combine.

Grain yields are reported in bushels per Acre (Bu/A) and is adjusted to a standard of 15.5 percent moisture. Data was recorded on a Panasonic FZ-G1 Toughpad using Harvest MasterTM 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 (%H20)
- 2. Yield of shelled corn corrected to 15.5 percent moisture (Bu/A)
- 3. Test weight at harvest moisture (Twt)
- 4. Percent stalk lodging (plants broken below the ear and/ or 45 degrees off vertical at harvest) (%SL)
- 5. Percent stand of target population (%Sd)

2021 Grain Trial Locations



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

ZONE 1

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Cas	BU/A	216.6	216.2	, 0.622	C.422	16.0	2.01	* + 000	1.002	233.6 *	230.5 *	218.8	28.8 *	212.1	217.7	209.8	29.2 *	239.4 *	27.7 *	25.3 *	193.8	29.9 *	216.4	201.5	208.9	243.1 *	214.3	209.3	243.4 **	29.1 *	209.8	233.0 *	204.4	234.0 *	230.6 *	216.4	27.2 *	216.9	220.6	221.4	243.4	193.8	7.5	19.6
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- Early	Twt	58.2	61.4	55.9	0. 1C	57 G	0.10	20.9	.00	55.4	54.6	57.8	61.9	55.9	57.1	56.3	54.8	55.8	61.0	55.8	55.4	58.4	55.1	57.0	56.4	55.1	58.2	55.4	56.7	55.8	54.9	54.7	55.6	56.1	56.1	57.2	56.1	56.3	56.9	56.7	61.9	54.6	5.9	0 %
Branch	A/U	0		, , x c	* *	*	* •	5 0	0 .	*	3 *	5	2 **	7	* 9	* 80	2	* ۳	* ع	* 0	0	3	* ღ	* 9	5 *	7 *	* °	4 *	* 0	4 *	5 *	5	2	* თ	* რ	2	3 *	8	5	6	7	2	7	÷
	B	209.	222.	220.0	233.	238	241	707	. /01	240.	222.	185.	245.	204.	224.	233.	147.	234.	224.	234.	211.	208.	229.	227.	221.	228.	225.	224.	236.	231.	228.	200.	212.	220.	233.	214.	226.	195.	219.	220.	245.	147.	6	25
	1 %H2C	16.6	18.4	19.4	10.4	10.0	1.0 1 a c f	0.71	0.01	16.0	16.2	19.0	19.5	21.1	18.4	17.0	16.4	19.3	15.8	16.0	19.2	17.5	19.5	18.7	16.9	16.2	18.3	16.8	17.2	16.4	16.0	15.8	16.3	16.8	17.0	15.8	16.7	16.3	17.8	17.5	21.1	15.8	3.7	0
	- %Sc	96	16	89.0	200	e a		200	20	97	94	96	97	94	95	96	95	97	97	96	92	97	96	96	97	96	26	97	98	95	95	98	96	96	97	96	96	96	95	96	66	92	3.0	000
RAGE	%SL	~ ~		4 0	NZ		о с	4 0	o ·	~	14	9	-	-	2	-	б	9	2	0	4	2 2	~	0	4	2	~	2	-	~	-	ო	4	5	-	-	7	4	0	m	14	0	300	Ś
IAL AVE	Twt	56.3	1.13	2027	20.9 2 9 2	1.00	1.00	0.00	0.00	55.0	54.2	57.2	57.2	55.1	57.6	56.4	54.3	54.2	57.1	56.2	54.5	57.6	54.8	56.8	55.1	55.2	57.4	55.2	56.1	55.3	55.1	55.0	56.3	55.7	56.2	55.9	55.2	55.6	56.6	55.9	57.7	54.2	1.5	0.6
ırly - TR	BU/A	10.4	15.8	20.0	20.0 1 8 0	0.01	1.77 8 VC	0.42	00.9	29.0 *	22.2	05.1	35.9 **	12.5	14.5	21.3	6.00	35.7 *	18.0	23.3	93.4	13.3	15.8	19.5	15.3	29.0 *	19.4	21.5	34.1 *	26.1 *	16.3	20.7	97.4	21.1	22.4	11.2	19.1	05.6	16.8	18.0	35.9	93.4	7.3	10.8
Ea	H2O	9.0	0.2		0.0	4 0 0			3.U Z	8.9 2	9.7 2	0.7 2	0.9 2	1.6 2	9.8 2	9.3 2	9.8 2	0.4 2	8.7 2	8.3 2	1.0 1	9.5 2	1.1 2	0.3 2	9.4 2	9.0 2	9.8 2	8.9 2	9.2 2	8.5 2	9.1 2	7.9 2	7.9 1	8.8	9.3 2	7.9 2	8.7 2	9.1 2	0.2 2	9.6 2	1.6 2	7.9 1	3.0	77
+	IT %I	4	4, •	4, 4	4 4	10	t Č	7 V	+ 1	9	4	2	4,6 2	,4	6	1	4,6 1	4	,6	÷	4,6 2	-	1,4	Ñ	-	-	-	4	~	÷	-	6	~	~	1	-	-	1	4	-	2	-		
	TRA.	1,2,1	1,2,3	1,Z,J		101	, <u>1</u> 0 1	 7 0 2 0	, v,	1,2,	1,2,	1,2,3	1,2,3,	1,2,3	1,2,	1,2,3	1,2,3,-	1,2,	1,2,4	1,2	1,2,3,	1,2	1,2,3	1,2	1,2	1,2	1,2	1,2,3	1,2	1,2	1,2	1,2,	1,2	1,2	1,2,3	1,2	1,2	1,2,3	1,2,3					
	TRT	LUM L							0061	P500	C250	C250	C250	C250	ENC	P500	C250	P500	C250	T250	T250	T250	C250	ACC500	P250	P250	P250	P500	P500	ENC	ENC	P250	P250	P250	P250	P250	P250	P250	P250					
	RM	66	100	001	001	201	101		001	106	102	103	107	107	95	103	105	106	102	104	105	107	107	107 ,	105	109	106	103	106	103	107	98	98	102	103	103	104	105	105					
2021	3RAND / HYBRID	DAIRYLAND SEED DS-3959AM	JAIRYLAND SEED DS-4000AMX1		JAIRTEAND SEED US-40 ISAM JAIRVI AND SEED DS-4310AM	DAIRYLAND SEED DS-4440AM				JYNAGRO D45TC55	SOLDEN HARVEST G02K39-3120	30LDEN HARVEST G03B96-5122	30LDEN HARVEST G07F23-3111	30LDEN HARVEST G07G73-5122	(EY 995BLG	EGACY SEEDS LC-5319 SSX	EGACY SEEDS LC555-21 5222	EGACY SEEDS LC564-20 PWE	EGEND LR 9104 PCE	1&W SEEDS 45V21	1&W SEEDS 44V74	1&W SEEDS 44V42	JK Brand NK0748-5122	RENK RK710SSTX	300 XRD05-16	300 XRD09-42	tupp XRD06-53	SPECIALTY 33A580	SPECIALTY 36D260	VELLMAN W2903DP	VELLMAN W2807DP	WYCKOFF 2170 TRECEPTA	VYCKOFF 2180 VT2P	VYCKOFF 2250 VT2P	WYCKOFF 2335 SS	VYCKOFF 2300 DG VT2P	VYCKOFF 2483 VT2P	VYCKOFF 2440 SS	VY CKOFF 2433 SS	IVERAGE	HGHEST	OWEST	(%) A:	SD (5%)

2 Year Averages 2021 - 2020				ш	arly - TRI	AL AVEF	AGE			Branch	- Early		_		Cass -	Early		_		enawee	Early		_
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL 5	%Sd %	6H2O	BU/A	Twt	% SL %	Sd %	H2O	BU/A	Twt	, 'SS'	%Sd %H	20 B	U/A	wt %	S% JS	0
DYNAGRO D45TC55	106	P500	1,2,6															17	.0 179	6.	6.3		
GOLDEN HARVEST G02K39-3120	102	C250	1,2,4															17	.4 190	5.5	5.2		
GOLDEN HARVEST G07F23-3111	107	C250	1,2,3,4,6															18	.1 201	* 8.	5.9		
M&W SEEDS 45V21	104	T250	1,2															16	.8 180	8.	7.7		
M&W SEEDS 44V74	105	T250	1,2,3,4,6															18	.6 180	8.	5.5		
M&W SEEDS 44V42	107	T250	1,2															17	.6 183	5.5	8.3		
RUPP XRD06-53	106	P250	1,2															17	.5 190	* 8.	8.0		
SPECIALTY 33A580	103	P500	1,2,3,4															17	.0 202	* 1 * 5	6.0		
SPECIALTY 36D260	106	P500	1,2															18	.1 201	* 8.	7.1		
WELLMAN W2903DP	103	ENC	1,2															17	.0 189		6.2		
WELLMAN W2807DP	107	ENC	1,2															17	.5 189	-0 -	6.4		
WYCKOFF 2250 VT2P	102	P250	1,2															16	.7 183	.3	6.6		
WYCKOFF 2335 SS	103	P250	1,2,3,4															17	4 177	.7 5	7.6		
WYCKOFF 2483 VT2P	104	P250	1,2															16	.7 182	9.	6.1		
WYCKOFF 2433 SS	105	P250	1,2,3,4															18	.0 204	.8 ** 5	7.9		
AVERAGE																		17	.4 189	.3	6.7		
HIGHEST																		18	.6 204	8.	8.3		
LOWEST																		16	.7 177	.7 5	5.2		
CV (%)																		З.	6 8	.6	1.5		
LSD (5%)								=					=					0	5 14	₹.	0.7		

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
Conv.	Conventional

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

TRT	Seed Treatment/Rate
	No Seed Insecticide Applied
ACC250	Acceleron [®] @ 0.250 mg ai
ACC500	Acceleron [®] @ 0.500 mg ai
C125	Cruiser® @ 0.125 mg ai
C250	Cruiser [®] @ 0.250 mg ai
C500	Cruiser® @ 0.500 mg ai
P250	Poncho [®] @ 0.250 mg ai
P500	Poncho [®] @ 0.500 mg ai
T250	Titan [®] @0.250 mg ai
LUM	Lumigen®
ENC	Encase®
OSI	Other

** Highest Yielding Hybrid * Not Significantly Different from Highest Yielding Hybrid Stand Data Not Available for Branch - Early Grain

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

ZONE 1

2021			_		Late - TRIA	L AVERA	ЗЕ	_		Branch	- Late				Cass -	Late				Lenawe	e - Late		
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL	% ps%	H20	BU/A 1	Fwt %	SL %	Sd %	120 B	N/A	Twt %	SL %	% Sd %	H2O	BU/A	Twt 9	SL SL	°Sd
DAIRYLAND SEED DS-4878AM	108	LUM	1,2,4	21.0	225.8	55.3	<u></u>	96	9.3 2	34.1 * 5	6.2	2	97 2	3.9 220.	3	54.7	0	94 2	22:0.0	3.1	55.1	0	67
DAIRYLAND SEED DS-4917AM	109	LUM	1,2,4	21.7	233.6 *	56.2	0	92	9.9 2	25.7 5	6.8	0	34 2	4.1 248.	* *	55.7	0	100	1.1 22	6.7	56.1	0	9
DAIRYLAND SEED DS-5018AM	110	LUM	1,2,4	19.9	230.3	55.5	0	95	8.4 2	22.8 5	5.9	0	97 2	3.0 241.	* 9	55.3	0	95	8.3 22	6.5	55.3	0	92
DAIRYLAND SEED DS-5144Q	111	LUM	1,2,3,4	20.6	229.0	55.8	-	98	8.4 2	39.9 * 5	9.6	2	98 2	3.4 221.	9	54.8	0	100	0.0 22	5.5	55.9	0	67
DAIRYLAND SEED DS-5250AM	112	LUM	1,2,4	21.6	239.3 *	55.3	1	98	9.8 2	36.5 * 5	55.7	3	98 2	3.9 247.	* 0	54.5	0	97 2	23.	4.2	55.9	1	98
DAIRYLAND SEED DS-5279Q	112	LUM	1,2,3,4	21.2	226.6	55.8	~	95	9.5 2	19.4 5	57.1	2	97 2	4.4 223.	9	55.0	0	92 1	9.6 23	6.8	55.4	÷	67
DYNAGRO D48VC84	108	P500	1,2	20.6	245.9 **	56.3	0	96	8.3				- 2	4.4 245.	*	55.9	0	96	9.2 24	6.7 *	56.6	0	8
DYNAGRO D50VC09	110	P500	1,2	20.1	239.7 *	54.5	0	96	8.0 2	47.0 * 5	0.0	0	98 2	4.8 226.	0	53.1	0	97 1	17.6 24	6.3 *	54.5	0	5
GOLDEN HARVEST G08R52-3220	108	C250	1,2,4,6	21.4	224.4	53.7	ę	103	8.9	85.8 5	54.7	~	97 2	5.5 250.	* 9	51.6	ò	116 1	9.9 23	6.8	54.8		8
GOLDEN HARVEST G09Y24-3220A	109	C250	1,2,4,6,14	21.7	239.8 *	54.5	2	96	0.6				- 2	5.1 243.	*	53.9	5	94 1	9.4 23	6.5	55.2	0	97
GOLDEN HARVEST G10L16-522A	110	C250	1,2,3,4,6,14	22.7	240.5 *	54.3	0	98	1.5 2	29.6 5	5.4	0	95 2	6.4 254.	5 *	52.4	0	104 2	20.3 23	7.3	55.2	0	92
KEY 908BLG	108	ENC	1,2,6	20.0	217.4	55.9	2	66	1.7 1	80.7 5	7.1	5	96 2	4.5 232.	2	54.8	- -	102	7.9 23	9.2	55.8	0	8
LEGACY SEEDS LC592-21 3330	109	C250	1,2,4,6	21.2	230.9	53.0	4	88	8.4 2	06.7 5	64.5	3	00 2	5.6 235.	2	51.0	0	97 1	9.8 25	* 6.0	53.5	0	97
M&W SEEDS 44V83	108	T250	Conv.	20.8	221.5	54.6	0	95	8.4 2	14.4 5	5.6	0	92 2	5.5 218.	6	53.0	0	99	8.5 23	1.3	55.2	0	25
M&W SEEDS 43V69	111	T250	1,2,6	21.1	238.0 *	55.0	6	97	8.8 2	10.6 5	6.5	3	98 2	4.9 255.	* 2	54.0	~	92	9.8 24	7.8 *	54.4	2	101
NK Brand NK0877-3220	108	C500	1,2,4,6	21.4	236.1 *	54.0	ę	66	8.7 2	07.5 5	54.8	6	95 2	5.1 259.	** 0	52.6	0	104 2	0.4 24	1.8	54.6	0	67
NK Brand NK1082-5222A	110	C500	1,2,3,4,6,14	23.4	232.8 *	54.0	0	95	2.9 2	32.4 * 5	54.9	0	97 2	6.9 243.	* 9	52.3	0	92 2	0.3 22	2.3	54.7	.	96
NK Brand NK1026-5332	110	C500	1,2,3,4,6	22.2	228.8	54.1	-	92	9.7 2	19.0 5	55.1	с. С	92 2	5.4 227.	6	52.3	0	90	23:	9.6	54.8	0	5
RENK RK700SSTX	107	4CC500	1,2,4,6	20.5	234.2 *	55.0	-	93	8.5 2	39.9 * 5	6.2	2	95 2	4.7 239.	* 9	53.7	0	90	8.4 22	3.0	55.2	.	8
RENK RK765VT2P	109	4CC250	1,2	19.8	220.3	54.3	0	95	6.8 2	04.7 5	54.3	0	92 2	3.9 244.	* 0	54.2	0	8	8.6 21	2.2	54.4	0	5
RENK RK821SSTX	111	4CC500	1,2,3,4	21.1	221.7	55.9	9	94	8.7 1	96.4 5	. 9.9	2	94 2	4.5 247.	* 6	54.8	0	94 2	0.0 22	0.6	56.5	2	95
RENK RK826VT2P	111	4CC250	1,2	20.7	225.7	54.9	2	96	8.1 2	12.9 5	6.2	9	00 2	4.6 245.	*	53.3	-	87 1	9.3 21	8.8	55.1	0	101
RENK RK882TRE	111 /	4CC250	1,2,6	21.4	232.7 *	55.0	-	98	8.5 2	22.4 5	6.1	~	94 2	4.7 225.	6	54.0	0	105 2	0.9 24	8 [.] 6 *	54.9	.	5
RUPP XRJ08-88	108	C250	1,2,3,4,6,14	22.5	234.3 *	53.8	2	95	21.6 2	42.2 * 5	5.2	4	94 2	6.5 218.	9	52.2	0	99	9.4 24	2.0	54.2	S	ន
RUPP XRD10-16	110	P250	1,2	20.7	239.8 *	56.5	2	97 1	9.1 2	42.5 * 5	57.4	7	33 2	3.9 231.	3	55.8	1	101 1	9.3 24	5.5 *	56.2	0	98
SPECIALTY 38D871	108	P500	1,2	20.3	235.0 *	55.2	2	67 1	7.4 2	36.8 * 5	5.9	9	35 2	4.4 233.	i 9	54.2	0	97 1	8.9 23	4.5	55.4	1	66
SPECIALTY 39A569	109	P500	1,2,3,4	21.2	241.7 *	55.0	0	95	7.8 2	21.9 5	6.3	0	97 2	5.3 239.	*	53.0	0	90	0.6 26	4.2 **	55.7	÷	97
M&W SEEDS 44D81	108	C250	1,2	20.9	237.8 *	55.9	0	92	8.2 2	19.4 5	6.7	0	39 2	4.3 239.	* 9	55.0	0	90	0.2 25	4.5 *	55.9	.	97
WYCKOFF 2584 VT2P	108	P250	1,2	20.6	230.3	56.5	2	96	7.9 2	01.8 5	57.3	9	92 2	4.7 233.	5	55.5	0	97 1	9.2 25	5.6 *	56.8	0	66
WYCKOFF 2585 VT2P	107	P250	1,2	19.7	219.1	54.9	2	95 1	6.5 2	27.2 5	5.5	9	32 2	3.6 211.	7	54.0	0	98 1	9.0 21	8.3	55.2	0	96
WYCKOFF 2583 TRECEPTA	109	P250	1,2,6	20.3	242.2 *	54.3	0	101	7.3 2	47.2 ** 5	55.1	0	00 2	4.1 245.	* 8	53.6	` O	104	9.5 23	3.6	54.2	0	66
AVERAGE				21.0	232.1	55.0	2	96	8.8 2	21.6 5	5.9	4	35 2	4.7 237.	4	53.9	0	97 1	9.6 23	6.2	55.2	0	8
HIGHEST				23.4	245.9	56.5	6	103	2.9 2	47.2 5	5.4	33	00	6.9 259.	0	55.9	, v	116 2	26.	4.2	56.8	°.	101
LOWEST				19.7	217.4	53.0	0	92	6.5 1	80.7 5	54.3	0	34 2	3.0 211.	7	51.0	0	87 1	7.6 21	2.2	53.5	0	91
CV (%)				14.0	9.1	2.2	365	2	4.6	6.3	1.1	47	4	2.3 8.3		1.5 4	65	<u>б</u>	5.7 7.	6	1.6	320	4
LSD (5%)				2.0	14.6	0.8	7	5	1.0	16.5	. 2.0	4	5	.7 23.	-	1.0	.	÷ =	1.3 21	1.8	1.0	2	5

2 Year Averages 2021 - 2020					Late - TRIAL	AVERA(ж			Branch	- Late				Cass	- Late			Le	nawee - Lat	в	
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL	%Sd %	6H20	BU/A	Twt %	SL %	Sd %⊦	20 B	N/A	Twt %	SL %	Sd %H2	0 BU/A	Twt	%SL	%Sd
DAIRYLAND SEED DS-5144Q	111	LUM	1,2,3,4	18.8	236.7 **	56.7			18.3	251.3 **	56.5							19.2	222.1 **	57.0		
GOLDEN HARVEST G09Y24-3220A	109	C250	1,2,4,6,14	19.1	206.0	55.0			19.9									18.	3 206.0	55.0		
M&W SEEDS 43V69	111	T250	1,2,6	18.3	229.2 *	55.5			17.9	236.5	55.7							18.6	3 222.0 *	55.3		
RENK RK765VT2P	109	ACC250	1,2	17.8	207.0	55.4			17.3	209.3	55.3							18.	204.7	55.6		
RUPP XRD10-16	110	P250	1,2	18.6	220.3	57.0			18.7	233.7	57.5		_					18.	5 207.0	56.5		
AVERAGE				18.5	219.9	55.9			18.4 2	32.7	56.2							18.6	3 212.4	55.9		
HIGHEST				19.1	236.7	57.0			19.9 2	51.3	57.5							19.	222.1	57.0		
LOWEST				17.8	206.0	55.0			17.3 2	09.3	55.3							18.	2 204.7	55.0		
CV (%)				11.5	8.5	2.1			5.6	6.0	1.7							5.1	7.3	1.6		
LSD (5%)				1.3	10.5	0.6			0.9	11.2	0.8		—					0.8	13.8	0.7		

Highest Yrelding Hybrid
 Not Significantly Different from Highest Yrelding Hybrid
 Data Lost Due to Severe Lodging

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

2021					Early - TR	IAI AVF	RAGE	_		Ottawa	a - Farly		_	l	tham - Farl	<u>></u>			Sadina	w - Farlv		
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL	%Sd	6H2O	BU/A	Twt %SL	. %Sd	%H20	BU/A	Twt 9	ST %	%Sd	6H20	BU/A	Twt %	SL %	(Sd
AG ARMOUR AA9608	96	C250	1,2,4,6	20.4	219.7	59.5	0	66	22.1	198.2	56.8 0	86	22.0	242.1	56.0	0	94	17.0 2	219.0	65.7	0	66
AG ARMOUR AA9912	66	C250	1,2,4,14	19.8	211.8	54.4	0	97	22.6	204.8	54.7 0	98	20.2	227.7	53.0	0	95	16.6 2	202.9	55.4	0	97
DAIRYLAND SEED DS-3550AM	95	LUM	1,2,4	19.7	231.8 *	54.8	~	66	21.4	204.1	54.7 0	101	20.6	263.1	* 53.9	0	8	17.2 2	28.1 *	55.9	5	66
DAIRYLAND SEED DS-3727AM	97	LUM	1,2,4	20.2	215.3	56.9	0	86	21.0	177.8	57.3 0	101	21.7	260.8	* 56.7	0	96	17.8 2	207.4	56.8	~	98
DAIRYLAND SEED DS-3959AM	66	LUM	1,2,4	20.8	207.0	54.3	4	96	22.8	194.5	54.5 0	66	22.4	239.2	53.6	0	97	17.3 1	87.4	54.8	12	96
DAIRYLAND SEED DS-4000AMXT	100	LUM	1,2,3,4	21.4	222.6	55.3	0	66	22.6	206.3	55.2 0	86	23.1	247.7	54.9	0	93	18.5 2	213.9	55.7	0	66
DAIRYLAND SEED DS-4014Q	100	LUM	1,2,3,4	21.4	242.7 **	54.7	~	66	23.4	212.3 *	54.3 0	96	23.1	272.6	* 53.8	0	66	17.8 2	243.1 **	56.1	5	66
DAIRYLAND SEED DS-4018AM	100	LUM	1,2,4	21.6	222.8	55.4	0	97	21.9	189.6	55.1 0	76	23.7	267.0	* 54.3	0	100	19.1 2	211.7	56.7	~	97
DYNAGRO D36VC66	96	P500	1,2	19.2	220.0	55.1	0	66	20.3	195.1	56.5 0	26	21.5	247.8	54.4	0	98	15.9 2	217.0	54.3	~	66
DYNAGRO D40VC41	100	P500	1,2	21.3	228.6 *	54.4	0	66	23.9	223.7 **	54.7 0	66	23.5	238.2	53.3	0	89	16.4 2	24.0 *	55.1	0	99
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	20.0	235.2 *	57.1	0	98	21.2	219.1 *	55.8 0	100	21.9	269.0	* 57.0	0	66	16.9 2	217.5	58.7	0	98
GOLDEN HARVEST G99E68-5122	66	C250	1,2,3,4	20.9	220.3	55.4	0	100	22.3	197.7	55.4 0	100	23.0	246.3	55.1	0	101	17.5 2	216.9	55.8	0	100
LEGACY SEEDS LC474- TRE	97	P500	1,2,6	19.7	223.5	54.5	0	102	21.0	211.9 *	55.2 0	66	22.3	253.1	54.4	0	66	15.7 2	205.3	54.1	0	102
LEGACY SEEDS LC484-20 VT2PR	98	P500	1,2	19.5	203.8	55.9	0	97	21.0	190.3	57.4 0	86	21.4	227.6	55.6	0	97	16.1 1	93.6	54.7	0	97
LEGACY SEEDS LC-4248 VT2PR	100	P500	1,2	19.6	205.4	55.4	0	100	21.2	195.9	55.6 0	100	22.1	236.2	55.8	0	66	15.6 1	84.1	54.7	1	100
LEGEND 9999 VT2P RIB	66	C250	1,2	20.9	232.1 *	54.5	0	66	23.1	212.5 *	54.9 0	96	23.2	265.5	* 53.0	0	102	16.5 2	218.3	55.6	-	66
M&W SEEDS 46P76	97	T250	1,2	19.6	207.5	55.5	0	86	21.5	201.7	56.6 0	<u> </u>	21.2	242.5	55.5	0	94	16.0 1	78.1	54.4	0	88
M&W SEEDS MW97A VT2P	67	T250	1,2	19.4	226.6 *	54.3	0	100	22.2	198.5	54.6 0	66	20.8	259.3	* 54.1	0	66	15.4 2	22.0	54.4	0	8
M&W SEEDS 46T29	66	T250	1,2	19.8	214.6	56.0	-	100	21.2	197.4	56.9 0	97	22.0	242.8	55.5	0	94	16.2 2	203.5	55.5	2	8
M&W SEEDS 45T56	100	T250	1,2	19.8	229.1 *	55.4	0	100	20.9	218.2 *	56.0 0	66	22.3	259.0	* 54.7	0	102	16.4 2	210.2	55.4	0	100
RENK RK579DGVT2P	66	ACC250	1,2,14	19.7	221.9	55.1	0	98	21.4	220.3 *	55.0 0	66	21.8	245.1	55.3	0	66	15.8 2	200.3	54.8	0	98
RENK RK600VT2P	100	ACC250	1,2,3,4	20.7	226.9 *	55.2	0	100	22.0	200.1	55.1 0	93	23.5	258.9	* 54.4	0	101	16.7 2	21.7	56.1	+	100
RUPP XRD91-54	91	C250	1,2,4,6,14	19.8	219.9	55.5	0	100	21.9	207.3 *	56.5 0	75	21.1	238.1	55.1	0	8	16.3 2	214.2	54.9	-	100
RUPP XRD97-95	97	C250	1,2	19.9	214.2	58.0	-	100	21.5	195.3	56.6 0	98	22.0	246.3	55.8	0	100	16.3 2	201.0	61.7	2	100
RUPP XRD98-13	98	P250	1,2,6	19.0	216.8	54.4	0	102	19.0	193.4	55.3 0	104	22.4	240.4	54.0	0	66	15.6 2	216.7	53.9	0 1	102
RUPP XRD99-08	66	P250	1,2	20.4	221.9	54.8	0	66	21.2	201.0	55.8 0	8	23.6	241.9	52.8	0	66	16.3 2	22.9 *	55.7	0	66
RUPP XRD01-90	101	P250	1,2	20.8	205.0	56.6	0	100	22.2	193.7	57.1 0	97	23.3	232.9	56.6	0	95	16.9 1	88.4	56.1	0	100
SPECIALTY 27D728	97	P500	1,2	20.0	227.9 *	55.5	0	100	22.3	203.8	55.6 0	66	21.6	263.2	* 55.7	0	86	16.1 2	216.7	55.1	0	100
SPECIALTY 29D010	66	P500	1,2	19.7	213.2	55.0	0	100	20.5	202.4	56.5 0	66	23.1	251.4	54.1	0	100	15.7 1	85.8	54.4	0	100
SPECIALTY 31D921	101	P500	1,2	20.3	229.2 *	54.5	0	101	22.2	208.9 *	55.0 0	101	22.8	272.8	** 54.2	0	102	16.0 2	206.1	54.2	1	101
AVERAGE				20.2	220.6	55.3	0	66	21.7	202.7	55.7 0	67	22.2	250.2	54.7	0	86	16.6 2	208.9	55.6	~	66
HIGHEST				21.6	242.7	58.0	4	102	23.9	223.7	57.4 0	104	23.7	272.8	57.0	0	102	19.1 2	243.1	61.7	12	102
LOWEST			_	19.0	203.8	54.3	0	96	19.0	177.8	54.3 0	75	20.2	227.6	52.8	0	89	15.4 1	78.1	53.9	0	96
CV (%)			_	14.4	12.6	1.9	830	œ	6.1	6.9	1.7 0	12	4.2	6.4	1.6	0	5	2.2	8.3	7.1 4	96	e
LSD (5%)			-	2.0	19.1	0.7	2	5	1.6	16.5	1.1 0	14	1.1	18.9	1.0	0	9	0.4	20.3	4.6	9	33

2 Year Averages 2021 - 2020				_	Early - TF	RIAL AVEF	RAGE			Ottawa -	Early		_	Inghai	m - Early			Sagina	aw - Early	
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL 5	%Sd %F	120 B	U/A T	wt %SL	%Sd	%H20	BU/A	Twt %SL	%Sd	%H2O	BU/A	Twt %SL	%Sd
AG ARMOUR AA9608	96	C250	1,2,4,6					2	3.2 223	3.6 5!	5.3									
DAIRYLAND SEED DS-4000AMXT	100	LUM	1,2,3,4					24	4.2 236	3.5 * 5.	3.8									
DAIRYLAND SEED DS-4014Q	100	LUM	1,2,3,4					24	4.6 237	7 * 5	2.6									
DAIRYLAND SEED DS-4018AM	100	LUM	1,2,4					2′	2.6 223	3.7 54	4.0									
DYNAGRO D40VC41	100	P500	1,2					24	1.9 234	1.5 * 5.	3.1									
GOLDEN HARVEST G99E68-5122	66	C250	1,2,3,4					2:	3.8 223	3.9 50	3.9									
M&W SEEDS 46P76	67	T250	1,2					2′	2.8 217	7.9 5 ⁴	4.8									
M&W SEEDS 46T29	66	T250	1,2					2′	2.5 224	1.3 55	5.3									
M&W SEEDS 45T56	100	T250	1,2					2	3.2 239	9.1 ** 55	3.7									
RENK RK600VT2P	100	ACC250	1,2,3,4					2	3.2 216	3.2 5	3.8									
RUPP XRD01-90	101	P250	1,2					2:	3.3 214	1.7 55	5.1									
SPECIALTY 27D728	26	P500	1,2					5;	3.0 229	9.3 * 54	4.1									
SPECIALTY 29D010	66	P500	1,2					2′	2.9 228	3.6 * 5	3.7									
AVERAGE								96	5.9 227	.1 54	4.1									
HIGHEST								9	4.1 239	9.1 55	5.3	_								
LOWEST								ΤĘ	5.3 214	1.7 52	2.6									
CV (%)								2	9 0	5.6 1	9.									
LSD (5%)								0	11	1.8	.7									

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

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

ZONE 2

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
.4 211.4 2.2 231.0 * 2.8 250.3 * 2.9 230.3 * 5.5 235.3 * 1.1 224.2 6.6 224.0 5.5 248.9 * 5.6 230.3 *
.2 231.0 * .8 250.3 * .9 236.8 * .5 235.3 * .5 235.3 * .5 235.3 * .5 236.9 *
.8 250.3 ** 0 236.8 * 9 222.2 * .5 235.3 * .1 224.0 * .5 248.9 *
0 0 0 - 0 0 0 0
23 23 23 23 23 23 23
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
54.5 0 53.4 4 52.5 0
195.8 55. 198.1 52.
22.9 19
201 02
206.2
103 D750 17 010 7763

2 Year Averages 2020 - 2019					Late - TRIA	L AVERAG	ш	_	Alk	egan - Lá	ate	_		Ingham	- Late		_		Saginaw -	Late	
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt %	SL %	Sd %H2	O BUIA	Tw	F %SL	%Sd	%H2O	BU/A	Twt	%SL	% Sd %	H20	BU/A	Twt %	SL %Sc
DYNAGRO D44SS54	105	P500	1,2,3,4	27.6	257.4 **	52.6		27.(3 257.4	** 52.0	6										
DYNAGRO D45TC55	106	P500	1,2,6	24.9	245.3	52.9		24.9	9 245.3	* 52.	0										
GOLDEN HARVEST G02K39-3120	102	C250	1,2,4	25.3	230.3	52.0		25.	3 230.3	52.	0										
LEGACY SEEDS LC-5217 VT2P	103	P250	1,2	25.3	246.9	53.2		25.	3 246.9	* 53.	0										
LEGACY SEEDS LC-5319 SSX	103	P500	1,2,3,4	25.8	252.2 *	52.7		25.	3 252.2	* 52.	2										
LEGEND 9102 VIP3110	102	C250	1,2,4,6	24.8	223.4	54.8		24.8	3 223.4	54.	~										
M&W SEEDS 45V21	104	T250	1,2	23.4	237.6	53.5		23.	4 237.6	53.	10										
M&W SEEDS 44V42	107	T250	1,2	25.8	232.5	55.4		25.	3 232.5	55.	*										
RENK RK642VT2P	103	ACC250	1,2	25.6	238.2	53.4		25.0	5 238.2	53.4	**										
RENK RK710DGVT2P	106	ACC250	1,2,14	27.4	241.5	53.3		27.4	4 241.5	53.	~										
SPECIALTY 33A580	103	P500	1,2,3,4	27.8	240.5	52.7		27.3	3 240.5	52.	7										
AVERAGE				25.8	240.5	53.3		25.	3 240.5	53.	8						_				
HIGHEST				27.8	257.4	55.4		27.3	3 257.4	55.	*										
LOWEST				23.4	223.4	52.0		23.	4 223.4	52.1	0										
CV (%)				12.4	8.9	2.0		5.0	7.3	1.5											
LSD (5%)				1.5	10.1	0.6		1.0	13.8	0.7		_									
** Highest Yielding Hybrid																					

Not Significantly Different from Highest Yielding Hybrid

Meet the Research Team

Thomas Siler

Cropping Systems Agronomy – Research Assistant 2 Department of Plant, Soil and Microbial Sciences Michigan State University Email: silertho@msu.edu Phone: 989-817-8570

Thomas (Tom) Siler is the new Research Assistant in Dr. Manni Singh's Cropping Systems Agronomy program at Michigan State University. Tom began coordinating the agronomy trials in corn, soybean, wheat, and barley in February 2021.

Tom received his B.S. in Crop and Soil Sciences from Michigan State University in May 2018. While attending school Tom worked at the MSU Agronomy Farm as an Undergraduate Research Assistant with the Forage Management, and Cropping Systems Agronomy programs from 2015 to 2018.

After graduation, Tom received his M.S. in Crop and Soil Sciences from Michigan State University in December 2020. Tom's thesis research in Dr. Manni Singh's program focused on identifying optimal management practices based on soybean planting date.

Micalah Blohm

Cropping Systems Agronomy – Research Assistant 1 Department of Plant, Soil and Microbial Sciences Michigan State University Email: blohmmic@msu.edu Phone: 517-881-4771

Micalah Blohm is the new Research Assistant in Dr. Manni Singh's Cropping Systems Agronomy program at Michigan State University. Micalah began coordinating the Michigan Corn Performance Trials in March 2021.

Micalah received her B.S. in Crop and Soil Sciences from Michigan State University in May 2019. While attending school Micalah was an active member in the MSU Agronomy Club and founded the MSU Soil Morphology Club. In addition, she worked at the MSU Agronomy Farm as an Undergraduate Research Assistant with the Dry Bean Research, Soil Fertility, and Potato Breeding programs from 2016 to 2019.

After graduation, Micalah worked as an Agronomy Sales Representative for CHS Inc. and as a Research Specialist for Mid-Michigan Agronomy.

Please feel free to contact Micalah with any questions you may have related to the Michigan Corn Performance Trials.

TABLE 3E.		HUF	RON, MA	NOS	& MON	TCAL	M C	TNUC	Y GR	AIN TR	IALS	- EA	RL	(97	Day and	d Ear	-lier)				ZO	NE 3
2021					Early - TF	IAL AVE	RAGE			Huron	- Early				Mason -	Early			Mon	ntcalm - E	arly	
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd	%H2O	BU/A	Twt %	% SL %	Sd %H	50 BUIA	A Twt	%SI	%Sd
AG ARMOUR AA9100	91	C250	1,2,4,6,14	22.5	213.0	57.6	13	96	22.5	248.0 *	56.3	-	66	23.7	207.1	52.4	6 0	4 21.	5 183.8	64.2	37	96
AG ARMOUR AA9303	93	C250	1,2,4,6	22.7	210.1	55.4	9	96	22.8	227.2	56.3	0	8	24.5	205.8	55.6	60	3 20.	8 197.3	54.4	19	96
AG ARMOUR AA9608	96	C250	1,2,4,6	22.4	218.9 *	55.7	5	96	22.6	254.1 *	57.2	0	<u>1</u> 0	23.3	209.8	53.3	60	2 21.	3 192.8	56.5	13	96
DAIRYLAND SEED DS-2828AM	88	LUM	1,2,4	20.0	212.0	54.1	-	96	20.6	229.4	55.5	0	98	21.0	203.9	52.6	60	18.	3 202.8	54.3	2	66
DAIRYLAND SEED DS-3022AM	60	LUM	1,2,4	21.7	222.6 *	54.6	-	98	21.5	231.3	56.6	0	66	23.9	224.6 *	52.8	0	8 19.	9 211.8	* 54.6	3	97
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	20.1	213.7	55.6	-	94	20.5	225.4	61.9	0	92	21.5	215.7	50.5	6 0	5 18.	3 199.9	54.4	2	96
DAIRYLAND SEED DS-3366AM	93	LUM	1,2,4	21.5	220.6 *	55.6	~	97	21.3	233.8	57.6	0	97	23.6	219.5 *	53.0	6 0	7 19.	6 208.6 ⁴	* 56.2	ŝ	66
DAIRYLAND SEED DS-3550AM	95	LUM	1,2,4	22.8	218.5 *	53.3	0	97	22.2	242.8	55.0	0	100	24.5	224.2 *	50.5	60	4 21.	6 188.4	54.4	-	98
DAIRYLAND SEED DS-3727AM	97	LUM	1,2,4	22.6	215.3 *	54.4	0	95	22.3	240.3	56.0	0	97	23.8	219.4 *	52.6	6 0	2 21.	6 186.2	54.7	0	96
DYNAGRO D36VC66	96	P500	1,2	20.4	220.6 *	54.4	-	96	21.6	264.2 **	56.0	0	97	20.3	206.2	51.6	0	4 19.	5 191.3	55.7	3	98
DYNAGRO D37VC64	97	P500	1,2	19.7	208.9	53.2	4	66	21.3	236.5	55.5	0	88	20.0	207.9	50.2	6 0	9 17.	8 182.3	54.0	10	100
GOLDEN HARVEST G91V51-5222A	91	C250	1,2,3,4,6,14	23.1	222.2 *	54.5	10	98	23.1	243.0	56.2	-	66	24.2	225.4 *	52.6	6 0	6 21.	9 198.3	54.6	29	66
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	22.2	234.1 **	57.6	0	98	22.4	261.9 *	63.1	0	94	23.1	238.5 **	53.5	6 0	9 21.	3 202.1	56.2	-	66
LEGACY SEEDS LC431-20 SSX	93	ACC500	1,2,3,4	21.7	191.9	54.3	0	89	21.4	216.5	56.3	0	6	23.5	195.7	51.8	0	5 20.	3 163.5	54.8	-	91
LEGACY SEEDS LC451-21 VT2P	95	P500	1,2	20.8	218.6 *	53.9	-	98	21.5	251.6 *	55.0	0	101	19.8	229.6 *	51.3	0	5 21.	2 174.8	55.3	3	66
LEGACY SEEDS LC461-21 DGVT2P	96	P500	1,2,14	21.7	212.0	55.7	2	97	21.9	239.8	57.1	0	66	23.8	197.2	53.0	6 0	7 19.	3 199.1	57.1	7	96
LEGACY SEEDS LC474-20 TRE	97	P500	1,2,6	21.1	209.9	52.9	0	67	22.4	234.5	54.5	0	100	20.8	201.3	50.3	6 0	4 20.	1 194.0	53.9	-	67
LEGEND LR 9191VIP3110A	91	C250	1,2,4,6	22.5	213.8	54.7	ŝ	95	22.3	232.5	56.8	-	94	23.7	209.6	51.6	6 0	6 21.	6 199.3	55.7	10	95
LEGEND 9993 SS RIB	83	C250	1,2,3,4,6	21.2	203.0	54.4	.	98	21.1	227.2	55.3	0	66	23.4	183.5	51.6	6 0	7 19.	1 198.4	56.2	ę	66
LEGEND LR 9195DC5122	95	C250	1,2,3,4	22.5	204.2	53.7	3	94	22.8	227.1	53.4	-	93	24.6	171.1	52.1	0 9	2 20.	2 214.4	* 55.6	7	97
LEGEND 4296 VT2P RIB	96	C250	1,2	21.6	207.2	54.7	-	98	21.8	224.6	56.7	0	96	22.3	211.1	52.4	6 0	7 20.	8 185.9	55.0	4	101
M&W SEEDS 46P76	97	T250	1,2	20.2	204.7	54.4	0	94	21.3	232.5	56.1	0	97	20.5	192.8	51.7	60	2 18.	8 188.8	55.5	0	2
M&W SEEDS MW97A VT2P	97	T250	1,2	20.2	225.5 *	53.8	0	98	21.4	246.1 *	54.6	0	98	19.2	233.0 *	49.3	60	7 20.	0 197.4	57.5	0	100
NK Brand NK9535-3220	95	C250	1,2,4,6	22.1	227.3 *	55.6	-	96	22.3	254.9 *	56.9	0	98	22.9	229.2 *	53.5	60	3 21.	1 198.0	56.5	4	67
RENK RK485DGVT2P	94	ACC250	1,2,14	21.9	223.6 *	55.5	9	98	22.0	255.8 *	56.6	2	66	24.0	219.7 *	52.8	0	8 19.	8 195.3	57.1	16	96
RENK RK499VT2P	94	ACC250	1,2	21.0	209.4	53.8	-	97	20.5	239.5	55.6	0	97	21.3	210.7	51.6	60	7 21.	1 177.8	54.1	c	86
RENK RK561DGVT2P	95	ACC250	1,2,14	21.1	203.4	55.4	0	94	21.9	244.0	55.9	0	94	22.0	204.4	51.0	60	6 19.	4 161.9	59.5	-	93
RENK RK593VT2P	67	ACC250	1,2	20.7	209.5	54.4	-	96	22.1	247.1 *	56.0	-	98	21.6	198.4	51.6	60	5 18.	4 182.9	55.5	ŝ	94
RUPP XRD91-54	91	C250	1,2,4,6,14	22.0	229.6 *	55.2	12	86	22.2	252.9 *	56.8	0	101	23.3	207.6	52.7	6 0	5 20.	5 228.4	** 56.0	37	66
RUPP XRD97-95	97	C250	1,2	21.5	201.9	54.3	-	97	21.6	243.6	56.0	0	97	22.5	198.9	51.6	0 9	5 20.	5 163.2	55.2	3	98
SEEDWAY SW3590 GENVT2P	60	P500	1,2	20.4	195.7	55.0	-	98	20.8	226.3	56.4	0	100	22.2	188.4	53.0	6 0	6 18.	2 172.4	55.7	4	66
SEEDWAY SW9504VT	96	P500	1,2	20.6	227.1 *	54.7	2	98	21.1	260.3 *	56.3	0	8	21.1	226.2 *	51.8	0	8 19.	8 194.6	56.0	2	97
AVERAGE				21.5	214.0	54.8	°	97	21.8	240.5	56.4	0	88	22.5	209.9	52.0	6 0	5 20.	1 191.7	55.8	7	67
HIGHEST				23.1	234.1	57.6	13	66	23.1	264.2	63.1	2	101	24.6	238.5	55.6	60	9 21.	9 228.4	64.2	37	101
LOWEST				19.7	191.9	52.9	0	89	20.5	216.5	53.4	0	90	19.2	171.1	49.3	0 8	5 17.	8 161.9	53.9	0	91
CV (%)				7.3	12.7	3.9	310	4	2.7	6.7	6.4	283	ო	5.0	8.0	4.0	0 5	.0 .0	10.9	5.2	126	ო
LSD (5%)				1.1	19.0	1.4	5	e	0.7	18.9	4.3	.	4	1.3	19.7	2.4	0	0	24.5	3.4	11	с

1

ılm - Early	Twt %SL %Sd															
Montca	BU/A															
	%H20															
- Early	Twt %SL %Sd															
Mason	BU/A															
	%H2O															
	- %Sa															
λ	%SL		F		_		_	F	_	_						
1 - Early	Twt	53.7	54.2	55.4	53.9	58.4	55.0	54.2	53.9	54.0	54.3	54.7	58.4	53.7	4.7	22
Huron	BU/A	244.6 *	226.3	245.4 *	237.2	251.1 **	219.7	229.1	240.2 *	243.5 *	242.9 *	238.0	251.1	219.7	6.0	11.9
	%H2O	28.3	24.0	24.5	24.0	24.4	23.1	24.3	23.0	24.2	25.7	24.6	28.3	23.0	3.0	0 6
	%Sd															
VGE	SL															
AVER	vt %															
TRIAL	7															
Early -	BU/A															
	%H20															
	TRAIT	1,2,4,6,14	1,2,4,6	1,2,4,6	1,2	1,2,4,6	1,2,3,4	1,2	1,2	1,2,14	1,2					
	TRT	C250	C250	C250	P500	C250	ACC500	T250	ACC250	ACC250	ACC250					
	RM	91	93	96	97	95	93	67	94	95	67					
2 Year Averages 2021 - 2020	BRAND / HYBRID	AG ARMOUR AA9100	AG ARMOUR AA9303	AG ARMOUR AA9608	DYNAGRO D37VC64	GOLDEN HARVEST G95D32-3220	LEGACY SEEDS LC431-20 SSX	M&W SEEDS 46P76	RENK RK499VT2P	Renk RK561DGVT2P	RENK RK593VT2P	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)

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

ZONE 3

TABLE 3L.

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

2021			_		Late - TRI	AL AVER	AGE	-		Huron .	Late			2	lason - L	ate			Montc	alm - Lat	e	
3RAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL	%Sd %	H2O	BU/A	Twt %	SL %	sd %H2	O BUI	A T	vt %SI	. %Sc	I %H20	BU/A	Twt .	۶۲	%Sd
IG ARMOUR AA9912	66	C250	1,2,4,14	22.9	211.8 *	52.3	2	97 2	3.6 2	245.2	54.7	6 0	9 25.3	3 197.5	49	1.0	96	20.0	192.7 *	53.1	5	96
JAIRYLAND SEED DS-3959AM	66	LUM	1,2,4	23.2	223.0 *	53.6	0	95 2	2.8	45.8	56.8	6	4 25.(0 213.3	* 50	<u>.</u>	94	21.9	210.0 *	53.9	0	98
JAIRYLAND SEED DS-4000AMXT	100	LUM	1,2,3,4	24.4	224.4 *	53.3	0	97 2	24.0	55.4 *	54.6	6	8 26.6	3 212.2	* 50	5.0	94	22.7	205.7 *	54.7	.	98
DAIRYLAND SEED DS-4014Q	100	LUM	1,2,3,4	24.4	211.6 *	52.7	4	66	24.2	* 9.09	54.1	6 0	9 25.2	2 187.4	51	.1 13	67	23.7	186.7	53.1	0	66
DAIRYLAND SEED DS-4018AM	100	LUM	1,2,4	24.8	207.9 *	52.8	0	94 2	14.2	56.1 *	53.8	6	4 26.8	3 176.8	50	.3	88	23.3	190.8	54.4	0	66
JYNAGRO D40VC41	100	P500	1,2	23.5	224.3 *	53.1	0	97 2	3.7 2	62.0 *	55.0	6 0	7 24.2	2 207.8	* 50	.7 0	95	22.6	203.0 *	53.5	.	66
JYNAGRO D42SS20	102	P500	1,2,3,4	22.3	201.8	53.3	0	94	23.3	53.0 *	55.9	6 0	3 21.6	3 171.7	. 20	4.0	92	22.1	180.8	53.7	0	95
JYNAGRO D45TC55	106	P500	1,2,6	24.6	225.7 *	53.2	0	66	24.7	\$62.7 *	58.9	6 0	9 25.8	3 198.7	* 47	0	97	23.2	215.8 **	52.7	0	66
30LDEN HARVEST G99E68-5122	66	C250	1,2,3,4	23.9	224.7 *	54.2	2	100	23.6	247.2	55.9	0	0 25.(0 216.6	* 52	4 0	66	23.2	210.3 *	54.2	4	101
30LDEN HARVEST G02K39-3120	102	C250	1,2,4	24.7	226.9 **	51.3	9	95 2	24.5 2	64.9 *	53.2	0	3 25.(5 212.8	* 48	.5 0	94	23.9	202.8 *	52.2	17	93
EGACY SEEDS LC484-20 VT2PR	98	P500	1,2	22.4	201.7	53.7	0	97 2	3.1 2	248.0	55.6	6 0	7 21.8	3 196.9	51	0.0	67	22.1	160.3	54.5	Ļ	97
-EGACY SEEDS LC-4248 VT2PR	100	P500	1,2	23.3	225.9 *	52.9	0	97 2	3.9	53.8 *	54.7	6	33.8	3 217.7	* 50	2 0	96	22.4	206.2 *	53.8	. 	96
-EGACY SEEDS LC503-21 5222	100	C250	1,2,3,4,6	25.4	205.2 *	52.3	ę	95 2	24.3	248.4	53.4	6 0	7 28.2	2 165.4	45	<u>.</u> 9	92	23.7	201.7 *	53.7	4	98
-EGACY SEEDS LC-5217 VT2P	103	P250	1,2	23.1	217.3 *	52.8	2	98	24.0	57.7 *	55.0	6 0	9 24.9	9 205.6	* 50	4.	93	20.5	188.6	53.1	14	102
EGACY SEEDS LC-5319 SSX	103	P500	1,2,3,4	24.1	222.4 *	52.1	0	96 2	24.6 2	67.3 *	54.2	0 9	3 24.9	5 210.2	* 45	.6 0	94	23.3	189.7	52.7	0	95
48W SEEDS 46T29	66	T250	1,2	21.8	209.4 *	54.1	.	96 2	3.0 2	51.2	55.5	1 9	5 23.(0 185.5	51	.7 0	96	19.5	191.6 *	55.1	3	97
M&W SEEDS 45V21	104	T250	1,2	23.0	215.7 *	54.2	0	96	23.9	50.1	57.9	6	4 23.	2 190.0	50	<u>9</u> .	93	21.7	206.9 *	54.3	0	66
VK Brand NK9991-5122	66	C250	1,2,3,4	23.9	226.8 *	53.6	. 	88	24.1	61.1 *	55.5	6	9 24.8	3 214.6	* 51	.5	94	22.9	204.9 *	53.7	ę	101
VK Brand NK0243-5122	102	C250	1,2,3,4	25.0	222.7 *	52.2	. 	97	24.3	65.1 *	54.3	6 0	9 26.9	5 207.4	* 49	.7 0	94	24.3	195.5 *	52.6	4	66
RENK RK590VT2P	98	ACC250	1,2	21.7	222.6 *	56.4	0	98 2	3.8 2	56.2 *	54.6	0	4 20.8	3 206.2	* 51	.2 0	66	20.5	205.5 *	63.5	1	100
RUPP XRD98-13	98	P250	1,2,6	21.0	222.5 *	53.0	0	99 2	2.9 2	72.2 **	55.2	1 10	19.0	0 210.6	* 50	1.0	94	21.1	184.6	53.7	0	101
301-90 XRD01-90	101	P250	1,2	23.7	207.5 *	54.2	0	99	3.8	43.9	56.4	0	0 25.	7 195.9	51	.2 0	95	21.5	182.8	55.1	-	101
SEEDWAY SW3960 GENSS	98	P500	1,2,4	22.8	203.7 *	54.1	0	97 2	3.1	45.4	56.0	6 0	7 23.(3 198.7	* 51	.5	96	21.9	167.0	54.8	0	97
SEEDWAY SW4030 GENSS	100	P500	1,2,4	23.8	220.7 *	55.2	0	100 2	24.2 2	249.5	31.1	0 10	1 25.9	5 222.7	** 50	.3 0	101	21.6	190.0	54.1	0	99
AVERAGE				23.5	216.9	53.4	-	97 2	3.8	55.1	55.5	6 0	3 24.4	4 200.9	50	4 1	95	22.2	194.7	54.2	2	98
HIGHEST				25.4	226.9	56.4	9	100	14.7	72.2	31.1	1	1 28.	2 222.7	52	.4 13	101	24.3	215.8	63.5	17	102
OWEST				21.0	201.7	51.3	0	94 2	2.8 2	43.9	53.2	0	4 19.(0 165.4	47	0 6	88	19.5	160.3	52.2	0	93
CV (%)				7.0	15.6	4.1	434	2 2	1.5	6.5	6.5 4	11	4.4	10.3	,	3 696	S	5.8	10.5	7.1	219	З
-SD (5%)			_	1.1	23.6	1.5	ŝ	с С	0.4	19.5	4.3	-	1.3	24.5	.0	8 6.6	6.0	1.5	24.2	4.5	9	с

	SL %Sd														
m - Late	Fwt %S														
Montcali	. A/U														
	20 B														
	Sd %H														
	SL %														
- Late	Twt %														
Mason	SU/A														
	20 E														
	Sd %F														
	SL %														
- Late	Twt %	53.5	52.9	53.0	53.7	55.1	54.2	53.6	54.5	54.4	53.9	55.1	52.9	4.8	2.2
Huron	BU/A	249.9 *	252.5 *	243.0	254.0 *	256.2 **	240.7	252.4 *	245.1 *	248.7 *	249.2	256.2	240.7	5.8	12.0
	%H2O	26.8	26.6	27.0	27.8	27.4	27.3	26.7	26.6	27.5	27.1	27.8	26.6	3.6	0.8
	%Sd														
RAGE	%SL														
L AVEF	Twt														
Late - TRIA	BU/A														
	%H20														
	TRAIT	1,2,3,4	1,2,3,4	1,2,4	1,2	1,2,6	1,2,3,4	1,2	1,2	1,2,3,4					
	TRT	LUM	LUM	LUM	P500	P500	C250	P250	T250	C250					
	RM	100	100	100	100	106	66	103	66	66					
2 Year Averages 2021 - 2020	AND / HYBRID	IRYLAND SEED DS-4000AMXT	<pre>IRYLAND SEED DS-4014Q</pre>	AIRYLAND SEED DS-4018AM	rnagro D40VC41	YNAGRO D45TC55	OLDEN HARVEST G99E68-5122	EGACY SEEDS LC-5217 VT2P	&W SEEDS 46T29	K Brand NK9991-5122	VERAGE	IGHEST	OWEST	V (%)	SD (5%)

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4		σ												-	_		8						
ONE		SL %S															SK %S						
N	e - Early	Twt %														e - Early	Twt %						
	Nissauke	BU/A														Missauke	BU/A						
		%H2O														_	%H2O						
·lier)		%Sd	95	106	86	101	90	95	93	66	97	106	90	7	8		%Sd						
d Ear	arly	%SL	2	4	0	0	0	Ļ	0	0	-	4	0	201	2	arly	%SL						
y an	Isle - Eá	Twt	54.4	53.3	52.1	53.3	53.8	53.0	52.7	53.2	53.2	54.4	52.1	1.5	1.0	lsle - E	Twt	52.0	52.1				
(89 Da	Presque	BU/A	202.9	201.7	225.1 *	213.8 *	198.5	209.3	228.6 **	226.9 *	213.4	228.6	198.5	6.2	16.1	Presque	BU/A	206.7 *	211.5 **				
ARLY		H20	21.4	22.9	22.6	23.9	22.9	22.0	22.7	24.3	22.8	24.3	21.4	5.6	1.6		H20	24.5	24.2				
<u>.</u>		%Sd %	96	68	96	06	84	91	67	89	92	67	84	6	10		%Sd %						
SIAL S		%SL	0	0	0	0	0	0	0	-	0	-	0	353	-		%SL						
N TR	Early	Twt	53.9	54.0	51.4	53.0	51.4	51.3	51.4	51.1	52.2	54.0	51.1	1.7	1.1	Early	Twt	53.0	51.9				
Y GRAI	losco -	BU/A	166.9	195.1 *	213.0 **	180.9	158.5	168.3	203.6 *	203.2 *	186.2	213.0	158.5	8.2	18.5	losco -	BU/A	198.3 **	170.4 *				
UNT		6H2O	23.8	23.9	25.3	25.0	24.5	25.2	25.3	25.5	24.8	25.5	23.8	2.7	0.8		6H20	23.4	22.8				
ы		%Sd	95	8	97	96	87	93	95	94	94	8	87	1	7		%Sd						
	Ш	%SL	Ļ	2	0	0	0	Ļ	0	0	÷	2	0	266	14	ш	%SL						
squi	VERAG	Twt 9	54.2	53.6	51.7	53.2	52.6	52.1	52.0	52.1	52.7	54.2	51.7	11.1	3.9	VERAG	Twt .	52.5	52.0				
& PRE	TRIAL AV	BU/A	4.9 *	8.4 *	9.1 **	17.3 *	8.5	* 8.8	6.1 *	5.0 *	9.8	9.1	8.5	8.4	14.6	TRIAL AV	BU/A	12.5 **	0.9				
OLA &		120	2.6 18	3.4 19	t.0 2'	l.5 19	3.7 17	3.6 18	t.0 2'	1.9 21	3.8 19	1.9 2	2.6 17	6.9	9.		120	t.0 2(3.5 19				
SCEC		AIT %F	2,4 22	3,4 23	<u>,</u> 4 24	t,14 24	2 23	4,6 23	2,	2 24	23	27	22	1	2		AIT %F	3,4 24	2 23				
ö Ö		TR	1,2	1,2,	1,2	1,2,4	1,	1,2,	-, -,	50 1,							R.	1,2,	1,				
IOSC		TRT	LUM	LUM	LUN	C25(A250	C25(P500	ACC2!							TRT	LUN	A250				
		RM	80	85	88	86	85	85	89	89							RM	85	85				
TABLE 4E.	2021	BRAND / HYBRID	DAIRYLAND SEED DS-2080AM	DAIRYLAND SEED DS-2505Q	DAIRYLAND SEED DS-2828AM	GOLDEN HARVEST G84J92-3120A	LEGACY SEEDS LC351-20 VT2P	LEGACY SEEDS LC354-20	LEGACY SEEDS LC391-20	RENK RK297VT2P	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)	2 Year Averages 2021 - 2020	BRAND / HYBRID	DAIRYLAND SEED DS-2505Q	LEGACY SEEDS LC351-20 VT2P	AVERAGE	HIGHEST	LOWEST	CV (%) LSD (5%)
																			- 2	20	-		

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4																															
ZONE	- Late	Fwt %SL %Sd																				- Late	Fwt %SL %Sd								
	ssaukee																					ssaukee									
	M	120 B																				W	120 B								
		۹% p	10	2	0	~	10	2	~	~	~	+	0	~	(0)	2	10	2	1	+	(0)		<u>ا%</u> ا								—
ater)		S %	б	10	6	8	6	6	8	6	8	6	10	6	96	<u>-</u> 6	6	10	74	1	16		S % .								
J p	Early	%SL	~	20	-	S	~	ო	0	0	0	4	0	~	0	2	m	20	0	277	6	Early	%SL					_			
ay al	e Isle -	Twt	52.9	53.4	51.4	54.6	52.1	52.0	52.7	53.0	53.7	52.0	51.5	52.9	52.2	53.3	52.7	54.6	51.4	1.5	1.0	e Isle -	Twt	50.2	50.1	50.5	50.3	50.5	50.1	1.5	0.6
: (90 D	Presqu	BU/A	229.9 *	197.6	209.1	232.4 *	226.5 *	229.9 *	233.3 *	232.8 *	224.7	228.8 *	241.7 **	229.1 *	225.7 *	234.3	226.8	241.7	197.6	6.2	16.8	Presqu	BU/A	213.3 *	214.5 *	219.3 **	215.7	219.3	213.3	5.5	10.2
-ATE		%H20	25.4	24.8	22.6	24.6	24.8	23.3	25.1	24.9	25.0	25.9	26.1	24.5	25.2	24.8	24.8	26.1	22.6	4.1	1.2		%H20	30.5	24.0	26.9	27.1	30.5	24.0	3.3	0.7
2-L		%Sd	86	6	92	87	85	86	95	6	79	89	93	94	85	86	88	95	79	95	79		%Sd								
SIAL		%SL	4	0	-	ო	-	0	0	-	9	-	0	~	2	0	-	9	0	151	ę		%SL								
Ë	Early	Twt	51.8	51.8	50.5	52.9	53.0	57.3	50.9	51.6	52.2	50.8	49.7	51.6	50.8	51.5	51.9	57.3	49.7	5.7	3.5	Early	Twt	48.7	49.7	49.8	49.4	49.8	48.7	4.3	1.8
'Y GRAI	- osco -	BU/A	216.7	246.2 **	208.5	221.8	222.7	194.2	221.6	206.9	214.0	218.4	225.4	200.2	219.4	215.5	216.5	246.2	194.2	6.0	15.5	- osco	BU/A	194.2 *	202.4 **	194.8 *	197.1	202.4	194.2	6.1	10.6
IND		6H20	27.7	25.8	26.9	26.6	27.4	26.4	28.2	27.3	27.3	28.8	28.6	25.9	28.0	25.8	27.2	28.8	25.8	4.8	1.6		6H2O	30.3	24.0	27.2	27.2	30.3	24.0	4.4	1.0
8		%Sd %	91	96	9	92	6	91	67	82	88	92	67	33	9	92	92	67	82	13	8	_	%Sd %								
ISLE		%SL	2	10	-	4	-	2	0	0	e	2	0	. 	-	-	2	10	0	233	13		%SL								
Ы С	RAGE	Twt	52.3	52.6	50.9	53.7	52.6	54.7	51.8	52.3	52.9	51.4	50.6	52.3	51.5	52.4	52.3	54.7	50.6	7.6	2.6	RAGE	Twt	49.4	49.9	50.1	49.8	50.1	49.4	6.0	1.6
PRESC	TRIAL AVE	BU/A	223.3 *	221.9 *	208.8 *	227.1 *	224.6 *	212.0 *	227.5 *	219.8 *	219.4 *	223.6 *	233.5 **	214.6 *	222.5 *	224.9 *	221.7	233.5	208.8	25.6	35.1	TRIAL AVE	BU/A	203.7 *	208.4 **	207.0 *	206.4	208.4	03.7	20.1	21.3
& ₽		120	3.6	5.3	1.7	5.6	5.1	8.1	5.7	5.1	5.2	7.3	7.4	5.2	9.6	5.3	0.0	7.4	1.7	3.7	4.		120).4	1.0	7.1	7.2	4.(0.1	.7	.5
Ы Ш		₩	4 2	2	2	0	2	5	14 2	2	4	5	2	0	14 2	2	2	2	2	-			1%	4	Ň	2	2	ē	5	=	_
O, OSC		TRAIT	1,2,4,6,1	1,2,4	1,2,3,4	1,2,4	1,2	1,2,3,4,6	1,2,3,4,6,	1,2,3,4,6	1,2,4,6,1	1,2	1,2	1,2,3,4,6	1,2,3,4,6,	1,2							TRAIT	1,2,4,6,1	1,2,3,4	1,2					
IOSC		TRT	C250	LUM	LUM	LUM	P500	C250	C250	A500	C250	T250	T250	C250	C250	ACC250							TRT	C250	LUM	T250					
		RM	91	6	91	93	96	6	91	6	91	97	97	6	91	60							RM	91	91	97					
TABLE 4L.	2021	BRAND / HYBRID	AG ARMOUR AA9100	DAIRYLAND SEED DS-3022AM	DAIRYLAND SEED DS-3162Q	DAIRYLAND SEED DS-3366AM	DYNAGRO D36VC66	GOLDEN HARVEST G90S99-5222	GOLDEN HARVEST G91V51-5222A	LEGACY SEEDS LC-3048	LEGACY SEEDS LC413-20	M&W SEEDS 46P76	M&W SEEDS MW97A VT2P	NK Brand NK9023-5222	NK Brand NK9175-5222A	Renk RK312VT2P	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)	2 Year Averages 2021 - 2020	BRAND / HYBRID	AG ARMOUR AA9100	DAIRYLAND SEED DS-3162Q	M&W SEEDS 46P76	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)

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

ZONE 4

ZONE 2 - 3	-
nd Earlier)	
: - EARLY (101 Day a	-
ENTIONAL GRAIN TRIALS	-
INGHAM, MONTCALM & SAGINAW COUNTY CONV	
TABLE 5E.	1000

2021				ш	arly - TRIAL	AVERA	GE		lng	ham - Early			Mor	itcalm - E	arly			Sagina	w - Early		
BRAND / HYBRID	RM	TRT	TRAIT	%H20	BU/A	Twt	%SL %	Sd %H	'20 BU/	A Twt	% S %	Sd %H	20 BU,	A Tw	rt %SL	%Sd	%H2O	BU/A	Twt	%SL	%Sd
KEY 592	92	ENC	Conv.	18.6	213.2 *	55.4	0	36 21	.5 246.1	56.6	0	6 18	.6 191.0) 55.	2 1	96	15.7 2	202.4	54.5	0	97
LEGACY SEEDS LC-3517 CONV	95	C250	Conv.	18.9	211.2 *	56.0		00 21	.6 260.0	56.6	1	36 19	.2 180.6	3 56.	2 2	94	15.9	193.0	55.2	~	66
LEGACY SEEDS LC-3816 CONV	86	C250	Conv.	18.6	213.3 *	54.1		35 21	.8 272.5	; * 55.0	0	4 18	.7 172.5	2 54.	2 2	96	15.3	195.2	53.2	. 	97
LEGACY SEEDS LC-4248 CONV	100	C250	Conv.	19.1	226.7 *	55.2	2	01 22	263.1	55.2	1	7 19	.0 195.8	3 * 55.	4 4	86	16.1	221.1 *	55.0	.	100
LG SEEDS LG37C33	87	OSF	Conv.	18.7	203.7	55.6	-	32 20	.6 233.7	56.2	5 0	1 19	.6 173.6	3 55.	5 3	92	15.8 2	204.0	55.2	1	93
LG SEEDS LG42C24	92	OSF	Conv.	19.1	214.7 *	56.3	2	00 20	1.5 240.0	55.9	0	32 19	.7 187.	1 56.	3 4	66	17.0	217.0 *	56.6	e	66
LG SEEDS LG49C19	66	OSF	Conv.	20.2	218.9 *	58.9	2	97 23	3 279.3	s * 63.9	0	9 20	.4 177.	3 56.	5 2	92	17.0	200.1	56.3	4	100
LG SEEDS LG49C28	66	OSF	Conv.	19.8	227.6 *	55.8	2	35 22	.4 282.5	: ** 55.9	5 0	7 20	.3 196.	5 * 55.	7 4	93	16.8	203.8	55.9	2	94
M&W SEEDS 48R10	87	T250	Conv.	18.2	189.7	56.1	<u> </u>	35 20	.6 221.4	50.5	0	8 17	.9 159.	5 56.	0	92	16.1	188.2	55.7	.	94
M&W SEEDS 46T28	66	T250	Conv.	18.4	217.6 *	55.8		36 21	.0 263.7	56.0	5 0	4 18	.4 200.	7 * 55.	7 3	96	15.8 1	188.5	55.6	0	66
M&W SEEDS 45T55	66	T250	Conv.	19.4	232.8 **	55.2	2	03 22	.6 277.1	* 55.3	0	15 19	.7 206.0	3 ** 55.	15	96	15.9 2	214.8	55.3	2	97
RENK RK600	66	ACC250	Conv.	18.9	229.1 *	55.5	2	39 21	.8 254.1	55.0	0	6 19	.2 199.	7 * 56.	15	100	15.8	233.6 **	55.4	. 	100
RUPP XRA97-55	97	C250	Conv.	18.9	218.1 *	55.6	.	35 21	.6 262.4	55.7	5 0	5 19	.2 176.8	3 55.	8 8	91	15.9 2	215.3	55.4	~	66
RUPP XRA00-60	100	C250	Conv.	18.5	218.4 *	55.8	3	00 21	.4 260.2	56.3	1	30 18	.5 198.8	3 * 55.	63	66	15.7	196.3	55.7	4	100
VIKING 0.52-96P	96	C250	Conv.	18.8	221.6 *	56.5	2	38 21	.5 265.7	58.9	1	00 19	.1 196.8	3 * 55.	9 5	96	15.7 2	202.5	54.8	0	66
VIKING 0.45-97UP	67	C250	Conv.	17.9	204.9	55.3	-	32 21	.3 247.4	57.3	3	9 17	.3 174.() 54.	64	60	15.2	193.4	54.0	0	97
VIKING O.85-00P	100	C250	Conv.	18.9	213.8 *	54.4	-	34 22		55.7	500	2 19	.1 179.0) 53.	9 2	93	15.3 2	204.4	53.6	2	98
AVERAGE				18.9	216.2	55.7	-	37 21	.6 258.1	56.6	5 0	8 19	.1 186.2	2 55.	5 3	95	15.9 2	204.3	55.1	ſ	98
HIGHEST				20.2	232.8	58.9	3	03 23	1.3 282.5	63.9	0	77 20	.4 206.0	3 56.	5 6	100	17.0	233.6	56.6	4	90
LOWEST				17.9	189.7	54.1	0	32 20	.5 221.4	55.0	30	9 17	.3 159.5	53.	9	6	15.2	188.2	53.2	0	93
CV (%)				13.5	16.3	1.8	159	6 2.	9 4.8	6.9	0	7 4.	6 7.8	3 1.	3 92	7	1.8	7.2	1.3	216	ę
LSD (5%)				1.7	24.9	0.7	2	4 0.	8 14.7	4.6	0	1	7 12.	0.1	3 3	8	0.3	17.4	0.8	с С	ŝ
2 Year Averages 2021 - 2020			_	ũ	arlv - TRIAL	AVERA	Ц		lna	ham - Earlv			Mor	tcalm - E	arlv			Sadina	w - Early		
	MQ	тат	TDAIT	UCH%	A11A	Turt o	70 107	н% СЧ		A Tw+ 0	% IS %	N/0		- T	IS % +	P2 %	OCH%	AIIA	- +mL	10%	24
				7110/		1 // 1		10/ 000			/0 CL /0	10/	1001	* * *	1 /0CL	200	/0110/		I AA L		200
NET 332 LEGADY SEEDS LE 3617 CONV	37 05											200	1 101 6		<u> </u>						
	6											2 5	121 131		5 F						
	50													2 2 1 2 1 2 1	- 0						
	5	0071	Conv.									י ני	1.0012 I.1		n i						
RUPP XRA97-55	97	C250	Conv.									15	.6 182.	7 55.	∞						
RUPP XRA00-60	100	C250	Conv.									19	.8 202.	5 * 55.	ŝ						
VIKING 0.45-97UP	97	C250	Conv.									18	.8 181.6	3 55.	. 						
VIKING O.85-00P	100	C250	Conv.									20	5 189.	9 54.	0						
AVERAGE												19	.9 194.(3 55.	3						
HIGHEST												21	.6 206.(3 56.	0						
LOWEST												18	.8 181.8	3 54.	0						
CV (%)												4	6 7.8		~						
LSD (5%)			_									Ö	7 12.	0.0	6	_					_

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

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

2021					Late - TRIA	L AVER	AGE	_		Inghar	m - Late				Montcaln	n - Late		_	S	aginaw	Late		—
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL 5	%Sd %	H2O	BU/A	Twt	%SL (%PS%	120 E	3U/A	Twt %	SL %	Sd %H2	20 BU/	A	rt %SL	%Sc	_
KEY 206	106	ENC	Conv.	22.1	185.9	53.5	4	107 2	9.4.6 2	50.2	54.1	0	123 23	5.5 14	5.2	53.0	1	00 16.	3 162.5	53	5 4	98	
KEY 210	110	ENC	Conv.	25.5	201.1	53.1	5	88	2.5.6 2.	48.3	53.0	0	99 2	5.3 15	4.0	53.3	с; С	- 96	'		'	'	
LEGACY SEEDS LC-5217 CONV	103	C250	Conv.	20.4	210.2 *	54.7	с	97 2	3.3 2	58.1	54.2	0	96 2	1.6 18	0.3 (55.3	5	38 16.	4 192.2	42	6	96	
LEGACY SEEDS LC564-20 CONV	106	A500	Conv.	21.4	226.5 *	52.7	ი	88	2.4.2	64.7 *	52.2	0	98 23	3.8 20	3.7 * 1	52.6	2	99 16.	3 211.0) * 53	4 2	67	
M&W SEEDS MWX 105	105	T250	Conv.	22.6	211.4 *	55.6	ი	88	2 2	81.2 **	54.2	0	95 2,	1.3 15	4.8	55.1 8	с, «	99 19.	2 198.4	1 27	4	100	
M&W SEEDS 44R33	106	T250	Conv.	19.9	216.8 *	54.2	0	92	3.3 2	53.8	54.9	0	85 21	0.6 18	5.7	53.6	-	97 15.	9 210.8	8 * 54	0	101	
M&W SEEDS 44V40	107	T250	Conv.	21.5	221.0 *	54.8	.	97 2	24.1 2	63.3 *	54.4	0	97 2	2.7 19	8.3 * 1	54.2	с, С	99 17.	7 201.3	55	8	96	
RENK RK642	102	ACC250	Conv.	19.4	214.6 *	54.7	.	96	2.5 2	57.3	55.1	0	97 19	9.2 18	5.6	54.1	-	96 16.	4 200.9	54	9 2	94	
RENK RK726	106	ACC250	Conv.	21.4	234.9 **	52.4	2	66	2.6.2	61.5 *	51.2	0	99 23	3.3 20	9.0 ×	52.5	10	38 16.	3 236.5	53 ** 53	4	100	
RUPP XRA02-20	102	C250	Conv.	20.3	201.4	56.1	.	98	3.1 2	37.5	56.3	0	95 21	0.7 16	5.9	55.7		00 17.	1 200.8	56	4	100	
VIKING 0.46-02P	102	C250	Conv.	19.5	211.9 *	54.3	0	91	2.9 2	43.8	54.7	0	88	9.1 18	8.6	53.6	-	91 16.	5 203.3	54	8.	93	
VIKING 0.72-06	106	C250	Conv.	21.8	227.8 *	52.6	œ	95	2.1 2	57.0	51.7	0	94 2:	3.4 20	9.0 ** 1	52.2	10	96 17.	0 217.3	* 54	0	95	
AVERAGE				21.3	213.6	54.1	°.	97 2	2 0.12	56.4	53.8	0	99 2.	2.5 18	1.5	53.8	0,	97 16.	9 193.2	55	4 6	67	1
HIGHEST				25.5	234.9	56.1	ø	107 2	2.5.6 2	81.2	56.3	0	99 2	5.5 20	9.0	55.7	6	00 19.	2 236.5	62	2 52	101	
LOWEST				19.4	185.9	52.4	0	91 2	2.5 2	37.5	51.2	0	99 11	9.1 14	5.2	52.2	1	91 15.	9 83.6	53	4 0	93	
CV (%)				16.7	17.2	2.1	239	9	2.4	6.8	1.6		10 5	.3	3.6	1.6 19	91	4 7.9	9 12.7	.6	6 199	З	
LSD (5%)				2.4	26.6	0.8	9	4	0.7	20.8	1.0		12	4.	3.6	1.0	4	4 1.6	5 29.4	4.	4 13	4	
				=				=					=					=					-
2 Year Averages 2021 - 2020					Late - TRIA	L AVER/	AGE			Inghai	m - Late				Montcalr	n - Late			s	aginaw	Late		
BRAND / HYBRID	RM	TRT	TRAIT	%H2O	BU/A	Twt	%SL 3	%Sd %	H2O	BU/A	Twt .	%SL %	%Sd %F	120 E	SU/A	Twt %	SL %	Sd %H2	20 BU/	A TV	rt %SL	%Sc	_
LEGACY SEEDS LC-5217 CONV	103	C250	Conv.										5	2.6 19.	4.0	54.7							
M&W SEEDS 44R33	106	T250	Conv.										21	2.9 21	0.4 ** !	53.7							
RENK RK642	102	ACC250	Conv.										5	1.3 20	7.3 * (53.8							
VIKING 0.46-02P	102	C250	Conv.										2	1.5 20	5.3 * (53.7							
AVERAGE													5	2.1 20	4.3	54.0							
HIGHEST													23	2.9 21	0.4	54.7							
LOWEST													2	1.3 19.	4.0 (53.7							
CV (%)													4	.2	6.9	1.5							
LSD (5%)													0	.8	1.0	0.7		_					—

** Highest Yielding Hybrid
 * Not Significantly Different from Highest Yielding Hybrid
 - Data Lost Due to Severe Lodging

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HYBRID INDEX FOR GRAIN TRIALS

ZONE 1 Tables 1E/1L		ZONE Tables 2	: 2 E/2L	ZONE 3 Tables 3E/3L		ZONE Table 4	E 4 E/4L	CONVENTIO Tables	NAL TRIAI 5E/5L	-
Branch		Ingha	m	Huron		losco	C	Ingham -	- Zone 2	
Cass		Ottaw	/a	Mason		Missau	kee	Montcalm	- Zone 3	
Lenawee		Sagina	aw	Montcalm		Presque	Isle	Saginaw ·	- Zone 2	
Trial Average		Trial Ave	rage	Trial Average		Trial Ave	rage	Trial Av	reage	
BRAND / HYBRID	RM	TABLE	BRAND / H	YBRID	RM	TABLE	BRAN) / HYBRID	RM	TABLE
AG ARMOUR			GOLDEN H	IARVEST Cont.			LEGEN	ID Cont.		
AA9100	91	3E,4L	G99E68-5	5122	99	2E,3L	9999	VT2P RIB	99	2E
AA9303	93	3E	G02K39-3	3120	102	1E,2L,3L	9102	VIP3110	102	2L
AA9608	96	2E,3E	G03B96-	5122	103	1E,2L	LR 91	104 PCE	104	1E
AA9912	99	2E,3L	G07F23-3	3111	107	1E,2L				
			G07G73-	5122	107	1E	LG See	∌ds		
DAIRYLAND SEED			G08R52-3	3220	108	1L				
			G09Y24-3	3220A	109	1L	LG37	C33	87	5E
DS-2080AM	80	4E	G10L16-5	5222A	110	1L	LG42	C24	92	5E
DS-2505Q	85	4E					LG49	C19	99	5E
DS-2828AM	88	3E,4E	KEY				LG49	628	99	5E
DS-3022AM	90	3E,4L			~~~					
DS-3162Q	91	3E,4L	592 005BLC		92	5E		JEED3		
DS-3300AW	93	3E,4L 2E 2E	995BLG		406	15	19D1	0	97	55
DS-3330AW	90 07	2E,3E 2E 2E			100	ט∟ 1	40KT	6	97	2E 3E 4I
DS-3757AW	00	2E,3E 1E 2E 3I	900DLG		100	1L 51	MW9	7Δ VT2Ρ	97	2E,3E,4L
DS-4000AMXT	100	1E 2E 3I	210		110	JL	4672	9	99	2F 3I
DS-40140	100	1E 2E 3I	LEGACY S	FEDS			4612	8	99	5E
DS-4018AM	101	1E,2E,3L	LEGACIO	LLDO			45T5	5	99	5E
DS-4310AM	103	1E.2L	LC351-20	VT2P	85	4F	45T5	6	100	2E
DS-4440AM	104	1E.2L	LC354-20)	85	4E	45V2	1	104	1E,2L,3L
DS-4510Q	105	1E.2L	LC391-20		89	4E	44V7	4	105	1E,2L
DS-4878AM	108	1L.2L	LC-3048		90	4L	MWX	105	105	5L
DS-4917AM	109	1L [′]	LC413-20)	91	4L	44R3	3	106	5L
DS-5018AM	110	1L	LC431-20	SSX	93	3E	44V4	2	107	1E,2L
DS-5144Q	111	1L	LC451-21		95	3E	44V4	0	107	5L
DS-5250AM	112	1L	LC-3517	CONV	95	5E	44D8	1	108	1L
DS-5279Q	112	1L	LC461-21		96	3E	44V8	3	108	1L,2L
			LC474-20		97	2E,3E	43V6	9	111	1L
DYNAGRO			LC484-20		98	2E,3L				
			LC-3816	CONV	98	5E	NK Bra	ind		
D36VC66	96	2E,3E,4L	LC-4248		100	2E,3L				
D37VC64	97	3E	LC-4248	CONV	100	5E	NK90	23-5222	90	4L
D40VC41	100	2E,3L	LC503-21	(700	100	3L	NK91	75-5222A	91	4L 2E
D425520	102	2L,3L	LC-5217		102	2L,3L	NK95	33-3220	95	3⊑ 21
D443334	104	1E,2L	LC-5217		102	5L	NK02	91-0122	99 102	ગ ગગ
	105	1E,2L,3L	LC-53193	228	104	1E,2L,3L	NK02	43-5122	102	2L,3L 2I
	100	1	LC555-21		105	1 = 21	NK03	/14-5122	103	16
D304C03	110	16	LC504-20		100	10,20 51	NK08	77-3220	107	1
GOLDEN HARVEST			LC504-20	CONV	100	JL 1I	NK10	182-5222 0	110	11
			20032-21		109		NK10	26-5332	110	1L
G84J92-3120A	86	4E	LEGEND							
G90S99-5222	90	4L								
G91V51-5222A	91	3E,4L	LR 9191V	/IP3110A	91	3E				
G95D32-3220	95	2E,3E	9993 SS I	RIB	93	3E				
			LR 91950	C5122	95	3E				
			4296 VT2	P RIB	96	3E				

HYBRID INDEX FOR GRAIN TRIALS CONT.

BRAND / HYBRID	RM	TABLE	BRAND / HYBRID	RM	TABLE
RENK			VIKING		
RK297VT2P	89	4E	O.52-96P	96	5E
RK312VT2P	90	41	0 45-97UP	97	5E
RK485DGVT2P	94	3E	O 85-00P	100	5E
RK499VT2P	94 94	3E	O 46-02P	102	51
RK561DGVT2P	96	3E	0.72-06	102	51
PK503VT2D	97	35	0.12-00	100	JL
PK500\/T2D	97	31			
	00	3E 2E	WEEEMAN		
RK579DGV12P	99		W/2002DD	102	10
DK600VT2D	100	3E 2E	W2903DP W2807DP	103	16
	100		W2007DF	107	16
	102	5L 21	WYCKOEE		
	103	2L	WICKOFF		
RK020DGVI2P	104			00	46
RK/10331A	105	16	2170 TRECEPTA 2490 VT2D	30	
	100	5L	2100 V 12P	30	
RK/10DGV12P	107	2L	2250 V 12P	102	16
RK/00551X	108	1L		103	1E
RK/65VI2P	109	1L	2300 DG V12P	103	1E
RK821551X	111	1L	2483 V12P	104	1E
RK826VI2P	111	1L	2440 55	105	1E
RK8821RE	111	1L	2433 SS	105	1E
			2584 V12P	108	1L
RUPP			2585 VT2P	108	1L
	•		2583 TRECEPTA	109	1L
XRD91-54	91	2E,3E			
XRD97-95	97	2E,3E			
XRA97-55	97	5E			
XRD98-13	98	2E,3L			
XRD99-08	99	2E			
XRA00-60	100	5E			
XRD01-90	101	2E,3L			
XRA02-20	102	5L			
XRD05-16	105	1E,2L			
XRD09-42	106	1E			
XRD06-53	106	1E			
XRJ08-88	108	1L			
XRD10-16	110	1L			
SEEDWAY					
	٥٥	3 F			
	0C	3E 2E			
SW3504V1	50	3E 21			
SW3900 GENSS	100	3L 3I			
ON4000 OLNOO	100	52			
SPECIALTY					
27D728	97	2E			
29D010	99	2E			
31D921	101	2E			
33A580	103	1E,2L			
36D260	106	1E			
38D871	108	1L			
39A569	109	1L			

TABLE B.

AGRONOMIC TABLE FOR GRAIN TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	FERTILIZER N - P - K
	BRANCH (Irrigated)	May 20	Oct 23	Seed Corn	33,264	220-10-3
Zone 1	LENAWEE	May 13	Nov 9	Soybean	33,264	150-12-3
	CASS (Irrigated)	May 24	Nov 1	Snap Bean	33,264	150-11-3
	OTTAWA (Irrigated)	May 25	Oct 27	Soybean	33,264	300-9-3
e 2	INGHAM	May 11	Oct 13	Wheat	33,264	160-12-3
Zon	INGHAM CONV.	May 11	Oct 13	Wheat	33,264	160-12-3
	SAGINAW & CONV.	May 18	Nov 7	Soybean	33,264	220-14-4
	HURON	May 19	Nov 8	Soybean	33,264	27-12-3 High N credits from 2020
Zone 3	MONTCALM & CONV.	May 11	Nov 4	Soybean	33,264	160-8-2
	MASON (Irrigated)	May 26	Oct 26	Soybean	33,264	220-14-4
_	IOSCO	June 1	Nov 10	Fallow	33,264	161-12-3
one 4	MISSAUKEE	June 1	Nov 15	Fallow	33,264	154-9-3
N	PRESQUE ISLE	May 27	Nov 16	Alfalfa	33,264	24-10-3 plus manure

	COUNTY	SOIL TYPE	SOIL TEST ¹	FARM COOPERATOR	LOCATION
	BRANCH	Sandy loam	pH 7, P 91 K 136	Huff Farms Kyle Huff	Coldwater
one 1	LENAWEE	Sandy loam	pH 5.8, P 81 K 107	Raymond & Stutzman Farm Tim Stutzman	Seneca
Z	CASS	Sandy loam	pH 6.6, P 17 K 119	Brossman's Farm George Brossman	Vandalia
	OTTAWA	Loamy sand	pH 6.7, P 44 K 114	Ottawa Station Farms Adam Geertman	West Olive
le 2	INGHAM	Sandy loam	pH 6.1, P 58 K 115	Plant, Soil & Microbial Sciences Research Facility, MSU	East Lansing
Zon	INGHAM CONV.	Sandy loam	pH 6.1, P 58 K 115	Plant, Soil & Microbial Sciences Research Facility, MSU	East Lansing
	SAGINAW & CONV.	Loam	pH 6.0, P 43 K 113	Fred Gross Farms Peggy Gross & Dick Birchmeier	New Lothrop
~	HURON	Sandy clay loam	pH 6.5, P 146 K 230	Wil-Le Farms Ron, Ed and Chris McCrea	Bad Axe
one	MONTCALM	Sandy loam	pH 6.5, P 53 K 84	Karnatz Farms Scott Karnatz	Greenville
Z	MASON	Loamy Sand	pH 6.1, P 44 K 54	Robert Oshe Jacob Zwagerman	Scottville
+	IOSCO	Sandy loam	pH 6.5, P 38 K 86	Double B Dairy Jeremy, Tim and Roger Beebe	Hale
one 4	MISSAUKEE	Sandy clay loam	pH 6.2, P 19 K 92	Lake City Research, MSU Ty Hughston	Lake City
Z	PRESQUE ISLE	Sandy loam	pH 7.2, P 59 K 88	Ponik Farms Paul Ponik and Jeremy Karsten	Posen

¹-P reported in m3-ppm



Introduction

The silage index (pg. 28) contains a list of all hybrids planted in the 2021 silage trials.

County results are reported in the following tables:

 Tables 6E/6L Zone 1 - Branch, Lenawee, and Wood County, OH

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

 Tables 8E/8L Zone 4 - Iosco, Missaukee, and Presque Isle

The map of Michigan (pg. 28) 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 grain trials. For silage, agronomic information refer to Table C (pg. 29).

All silage maturity zones were divided into two maturity groups designated early and late based on the relative maturity (RM) submitted by the companies with results listed in separate tables. The Wood Country, OH location is managed in cooperation with The Ohio State University. Planting and in-season management is conducted by The Ohio State University while Michigan State University harvests plots and performs 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 is used to harvest the two center rows of plots. 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 MasterTM software. Total plot weight was used to calculate green tons per acre (GT/A). Subsamples 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 as well as averaged over multiple locations within each zone. 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 silage quality traits:

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. 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 most 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. 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

SILAGE HYBRID INDEX

	ZONE 1 - Tables 6E/6L Branch Lenawee Wood (Ohio) Trial Average	ZONE 2/3- Tab Huron - Zo Inghar Ottawa Trial Aver	les 7E/7L one 3 n a age	ZONE 4 - Tables 8E/8L losco Missaukee Presque Isle Trial Average	
BRAND / HYBRID	RM TABLE	BRAND / HYBRID	RM TABLI	E BRAND / HYBRID	RM TABLE
AG ARMOUR		LG Seeds		RENK Cont.	
AA10524	105 7L	LG42C37-3110	92 8E	RK710DGVT2P	107 7L
DAIRYLAND SEED		LG43C21-5122 LG50C93-5222 LG54C11-5222	100 7E,8L	RK882TRE	108 7L 111 7L
HiDF-3044Q	90 8E	LG54C76STXRIB	104 7E		111 / 🗠
DS-3162Q	91 7E.8E	LG57C33STXRIB	107 6E.7L	SEEDWAY	
HiDF-3522Q	95 8E	LG58C77-5222	108 6E.7L	02201011	
HiDF-3197RA	97 7E,8E	LG59C66VT2RIB	109 6E	SW9504VT	96 6E
HiDF-3099RA	99 7E	LG60C12-5222	110 6E	SW4000 GENSS	99 6E
HiDF-4073Q	100 6E,7E	LG62C35STXRIB	112 6L	SW6340 GENVT2P	107 6E
HiDF-3802Q	100 7E				
DS-4510Q	105 7L	NK Brand		SPECIALTY	
HiDF-4545Q	105 6E,7L				
HiDF-4999Q	109 6E,7L	NK9991-5122	99 7E	37A901	107 6E
DS-5144Q	111 6L	NK0314-5122	103 7E	40A148	110 6E
HiDF-5202Q	112 6L	NK0440-3122	104 7E	43A311	113 6L
		NK0748-5122	107 7L		
DYNAGRO		NK1082-5222A	110 6E	VIKING	
		NK1026-5332	110 6E		
D40VC41	100 7E,8L	NK1239-5122	112 6L	O.69-01P	101 7E
D45TC55	105 7L	NK1349-5222	113 6L	O.51-04P	104 7E
D48SS50	108 7L			O.48-08P	108 7L
D52SS82	112 6L,7L	RENK			
GOLDEN HARVEST	г	RK621VT2P RK642VT2P	102 7E 103 7E	WELLMAN W2012DP	112 6L
G91V51-5222A	91 8E				
G95D32-3220	95 8E		2021 Silan	o Trial Locations	
G02K39-3120	102 7E		ZUZ I Silay		
G04S19-3122	104 7E,8L		کر کر		
G09Y24-3220A	109 6E,7L		1 day	_	
G12S75-5122	112 6L,7L	\checkmark			
G13Z50-3220	113 6L,7L				
G14N11-5222	114 6L				
G16K01-3111	116 6L			Ser Sta	
G18D87-3111	118 6L		2/		2
LEGACY SEEDS			Zone 4		
LC413-20	91 8E)
LC431-20 SSX	93 8E		Zone 3		
LC484-20	98 8L				
LC-4248	100 7E,8L				, -L, -]
LC503-21	100 7E		Zone 2		
LC-5217 VT2P	102 7E				
LC533-20	103 7E				
LC592-21	109 6E,7L		Zone 1		\rightarrow
LC623-21	112 6L				ſ
LC634-20 SSX	113 6L			Wood Co. OH	

TABLE C.

AGRONOMIC TABLE FOR SILAGE TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	FERTILIZER N - P - K
_	BRANCH (Irrigated)	May 20	Sept 9	Seed Corn	33,264	220-10-3
Zone	LENAWEE	May 13	Sep 7	Soybean	33,264	150-12-3
	WOOD (OHIO)	May 8	Sep 2	Soybean	33,264	150-11-3
ε	OTTAWA (Irrigated)	May 25	Sep 17	Soybean	33,264	300-9-3
one 2	INGHAM	May 11	Sep 10	Wheat	33,264	160-12-3
Ň	HURON	May 18	Sep 15	Soybean	33,264	27-12-3 High N credits from 2020
_	IOSCO	June 1	Sep 27	Fallow	33,264	161-12-3
one 4	MISSAUKEE	June 1	Sep 28	Fallow	33,264	154-9-3
N	PRESQUE ISLE	May 27	Sep 27	Alfalfa	33,264	24-10-3 plus manure

	COUNTY	SOIL TYPE	SOIL TEST ¹	FARM COOPERATOR	LOCATION
	BRANCH	Sandy loam	pH 7, P 91 K 136	Huff Farms Kyle Huff	Coldwater
ne 1	LENAWEE	Sandy loam	pH 5.8, P 81 K 107	Raymond & Stutzman Farm Tim Stutzman	Seneca
Zc	WOOD (OHIO)	Clay Loam	-	OARDC Matt Davis & Richard Minyo	Hoytville, Ohio
	OTTAWA	Loamy sand	pH 6.7, P 44 K 114	Ottawa Station Farms Adam Geertman	West Olive
2/3 	INGHAM	Sandy loam	pH 6.1, P 58 K 115	Plant, Soil & Microbial Sciences Research Facility, MSU	East Lansing
	HURON	Sandy clay loam	pH 6.5, P 146 K 230	Wil-Le Farms Ron, Ed and Chris McCrea	Bad Axe
L	IOSCO	Sandy loam	pH 6.5, P 38 K 86	Double B Dairy Jeremy, Tim and Roger Beebe	Hale
Zone 4	MISSAUKEE	Sandy clay loam	pH 6.2, P 19 K 92	Lake City Research, MSU Ty Hughston	Lake City
z	PRESQUE ISLE	Sandy loam	pH 7.2, P 59 K 88	Ponik Farms Paul Ponik and Jeremy Karsten	Posen

¹-P and K reported in m3-ppm

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TAB	

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

ZONE 1

																										-	_	_	_				_
	2006	MK/A	40750	39054	35966	34691	36416	36411	34894	33542	37906	30818	35381	33055	33298	27389	31686	33696	32956	34583	40750	27389	19	7749		2006	MK/A	35755	35778	34838	37863	25488	33517
	MILK	MK/T	3544	3527	3502	3277	3650	3385	3322	3421	3432	3457	3450	3339	3517	3261	3393	3287	3328	3417	3650	3261	5	210		MILK	MK/T	3580	3623	3409	3512	3399	3479
		STR	39.3	39.6	37.0	31.9	44.4	36.4	32.4	36.6	39.1	38.2	38.4	32.8	41.0	32.0	37.7	32.3	35.1	36.7	44.4	31.9	16.2	7.1			STR	40.5	40.5	35.6	41.1	35.6	38.7
		с	6.7	6.9	7.1	6.6	7.1	7.5	7.6	6.9	7.0	7.1	7.0	7.3	6.5	6.9	7.1	6.7	9.9	6.9	7.6	6.5	5.4	0.5			СР	6.8	7.2	6.5	6.9	7.2	6 9
	JALITY	NDFD	59.1	59.3	59.9	57.9	59.4	27.6	58.4	55.5	57.3	57.2	57.6	58.6	58.7	57.5	55.7	57.6	57.5	57.9	59.9	55.5	3.2	2.2		JALITY	NDFD	62.2	62.6	60.2	59.6	60.4	50 0
Early	% QI	Ŋ	36.5	37.1	38.0	44.0	33.3	40.4	42.8	37.9	38.7	37.5	38.5	42.5	37.2	40.0	38.8	43.5	42.2	39.3	44.0	33.3	13.0	6.1	Early	% QI	NDF	36.6	36.3	41.9	37.9	38.2	30.4
Branch -		ADF	21.2	21.3	22.5	25.9	19.4	23.5	25.3	22.1	23.1	22.2	22.3	24.7	21.9	23.3	23.2	26.3	25.4	23.1	26.3	19.4	14.5	4.0	Branch -		ADF	19.2	18.7	22.5	20.3	20.9	21.2
		۵N	85.1	84.9	84.5	81.5	86.5	82.9	82.2	83.1	83.5	83.6	83.7	82.4	84.7	80.0	82.8	81.6	82.1	83.2	86.5	80.0	3.0	2.9			ND	85.5	86.2	83.3	84.5	82.3	84.7
		%STD	88	93	86	86	89	<i>9</i> 6	26	\$	66	98	2	26	35	66	98	86	92	96	66	89	5	9			%STD						
	D	DT/A	11.4 *	11.0 *	10.6 *	7.8	10.1 *	10.8 *	10.5 *	9.8 *	11.0 *	8.9	10.3 *	9.8 *	9.4	8.2	9.3	10.3 *	9.7	6.6	11.4	7.8	13.6	1.6		9	DT/A	10.1 *	10.0 *	8.8	10.3 *	8.1	9.5 *
	YIE	GT/A	27.0	29.7	29.8	22.3	20.9	25.1	26.8	27.1	20.7	24.8	29.5	24.9	16.9	19.6	22.0	29.2	24.8	24.8	29.8	16.9	12.1	3.6		YE	GT/A	28.4	27.9	25.6	22.7	20.1	54 9
		WD%	39.9	37.1	33.7	37.1	48.1	43.0	39.4	36.0	53.8	35.5	34.8	39.6	56.0	39.4	43.0	35.2	39.5	40.7	56.0	33.7	9.3	4.5			WDW	35.6	35.1	35.7	46.0	39.0	38 1
	906	MK/A	37435	36693	37348	35457	35251	35533	34662	34733	35908	34149	35651	34127	33144	31102	34056	36520	33921	35041	37435	31102	13	3156	_	900	MK/A	33616	33958	32476	32968	28413	31179
	MILK 2	MK/T	3625	3588	3616	3492	3648	3504	3495	3528	3524	3532	3522	3503	3537	3534	3511	3482	3492	3537	3648	3482	4	67		MILK 2	MK/T	3637	3673	3552	3544	3605	3547
		STR	42.4	41.0	41.3	38.4	43.3	40.1	38.1	39.2	41.4	41.0	41.1	39.0	39.1	39.9	41.2	37.9	39.6	40.2	43.3	37.9	11.8	3.2			STR	42.0	42.4	40.0	40.8	41.8	401
		с	6.5	6.6	6.6	6.7	7.0	6.9	7.0	6.9	6.6	6.6	6.5	7.0	6.6	6.9	6.9	6.6	6.4	6.7	7.0	6.4	5.4	0.2			СР	6.9	7.2	6.9	6.9	7.4	67
	ΓITY	NDFD	59.6	60.2	60.1	59.0	59.2	57.8	58.4	57.0	56.8	57.5	57.5	58.1	56.2	58.3	55.3	58.4	58.0	58.1	60.2	55.3	3.2	2.2		ΓITY	NDFD	62.7	62.0	61.0	59.5	60.4	60 1
AVERAGE	% QU/	NDF	34.3	35.9	34.8	38.1	33.4	37.0	37.6	35.8	35.5	35.8	36.2	37.2	37.3	34.6	35.3	38.1	37.5	36.1	38.1	33.4	11.5	2.8	AVERAGE	% QU/	NDF	35.7	34.5	37.6	37.1	34.1 1	37.7
y - TRIAL /		ADF	18.8	19.7	19.4	21.1	18.4	20.4	21.1	19.9	20.0	19.8	20.1	20.5	21.1	19.4	20.5	21.4	21.3	20.2	21.4	18.4	12.7	1.7	y - TRIAL /		ADF	18.3	17.6	19.3	19.5	18.0	19.7
Earl		۵N	86.2	85.7	86.0	84.4	86.4	84.4	84.4	84.7	84.1	84.7	84.6	84.4	83.6	84.0	84.3	84.2	84.3	84.7	86.4	83.6	2.5	1.4	Earl		Ø	86.5	80.8	85.2	84.7	85.4	85.1
		%STD	66	94	67	67	94	96	26	94	66	98	86	67	67	86	97	67	96	67	66	94	4	ŝ			%STD	96	67	66	98	96	67
	D	DT/A	10.0 *	10.2 *	10.4 **	9.3	9.7 *	10.1 *	9.9 *	9.8 *	10.2 *	9.7 *	10.2 *	9.7 *	9.4	8.9	9.7 *	10.4 **	9.7 *	9.8	10.4	8.9	10.4	0.7		9	DT/A	9.3 **	9.3 **	8.7	9.1 *	8.2	88
	ΥIE	GT/A	23.8	27.4	27.4	24.2	21.1	24.4	25.2	27.1	22.2	25.5	27.5	24.4	18.1	21.1	23.1	26.9	25.1	24.4	27.5	18.1	9.2	1.5		λE	GT/A	25.0	24.5	23.3	21.3	19.8	23.0
		WD%	41.0	37.3	37.8	38.6	45.3	41.6	39.5	36.3	46.2	38.1	37.1	40.0	51.0	41.5	42.5	37.4	38.2	40.5	51.0	36.3	8.3	2.3			WD%	38.1	38.0	38.5	43.4	41.4	38.7
		TRAIT	1,2,3,4	1,2,3,4	1,2,3,4	1,2,4,6,14	1,2,3,4,6	1,2,4,6	1,2,3,4	1,2,3,4,6	1,2	1,2,3,4,6	,2,3,4,6,1	1,2,3,4,6	1,2	1,2,3,4	1,2	1,2,3,4	1,2,3,4					_			TRAIT	1,2,3,4	1,2,3,4	1,2,4,6,14	1,2	1,2,3,4	1234
		TRT	LUM	LUM	LUM	C250	C250	C250	P500	OSF	P500	P500	C500 1	C500	P500	P500	P500	P500	P500								TRT	LUM	LUM	C250	P500	P500	P500
		RM	100	105	109	109	105	109	107	108	109	110	110	110	96	66	107	107	110								RM	105	109	109	109	66	110
	2021	BRAND / HYBRID	DAIRYLAND SEED HIDF-4073Q	DAIRYLAND SEED HIDF-4545Q	DAIRYLAND SEED HIDF-4999Q	GOLDEN HARVEST G09Y24-3220A	LEGACY SEEDS LC555-21 5122	LEGACY SEEDS LC592-21 3330	LG SEEDS LG57C33STXRIB	LG SEEDS LG58C77-5222	LG SEEDS LG59C66VT2RIB	LG SEEDS LG60C12-5222	NK Brand NK1082-5222A	NK Brand NK1026-5332	SEEDWAY SW9504VT	SEEDWAY SW4000 GENSS	SEEDWAY SW6340 GENVT2P	SPECIALTY 37A901	SPECIALTY 40A148	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)		2 Year Averages 2021 - 2020	BRAND / HYBRID	DAIRYLAND SEED HIDF-4545Q	DAIRYLAND SEED HIDF-4999Q	GOLDEN HARVEST G09Y24-3220A	LG SEEDS LG59C66VT2RIB	SEEDWAY SW4000 GENSS	SPECIALTY 40A148

33873 37863 25488 14 4006

3500 3623 3399 4 123 38.7 41.1 35.6 12.1 3.8 6.9 7.2 6.5 0.3 60.8 62.6 59.6 1.4 38.4 41.9 36.3 36.3 3.3 3.3

20.5 22.5 18.7 11.7 2.1 84.3 86.2 82.3 1.8 1.8

9.5 8.1 0.9 0.9

24.9 28.4 20.1 9.7 2.0

38.3 46.0 35.1 7.6 2.5

32100 33958 33958 28413 11 1686

3593 3673 3544 3 3 3 59 41.2 42.4 40.0 9.8 1.9 7.0 7.4 6.7 5.9 0.2

60.9 62.7 59.5

97 99

8.9 8.2 0.4 0.4

22.8 25.0 19.8 7.8 0.9

39.7 43.4 38.0 7.4 1.4

AVERAGE HIGHEST LOWEST CV (%) LSD (5%)

- 30 -

36.1 37.7 34.1 9.6 1.6 18.6 19.5 17.6 1.0 85.6 86.8 84.7 2.2 0.9

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

								-	Гe	nawee - E	arly					4					Wood - E	arly					
2021						YELD				%	NALITY			MI	.K 2006			/IELD				% QL	JALITY			MILK 2	900
BRAND / HYBRID	RM	TRT	R	AIT %D	M GT	A DT	A %S	TD	DA O	İQ 	: NDFD	8	STR	MK/T	MKA	WD%	GT/A	DT/A	%STD	ß	ADF	NDF	NDFD	9	STR	MKT	MK/A
DAIRYLAND SEED HIDF 4073Q	100	LUM	1,2,	3,4 41.	2 18.	4 7.6	6	98	8 17.	34.0	8 62.0	6.3	42.5	3677	31216	41.9	26.1	11.0 *	101	86.6	17.3	31.5	57.7	6.4	45.4	3654	40339
DAIRYLAND SEED HIDF-4545Q	105	LUM	1,2,	3,4 37	8 22.	1 8.4	6	7 86	6 18.	36.	1 62.7	6.4	40.9	3652	30657	37.1	30.4	11.3 *	93	85.7	19.1	34.6	58.5	6.7	42.4	3585	40368
DAIRYLAND SEED HIDF-4999Q	109	LUM	1,2,	3,4 40	0 22	9 9.1	*	5 87	8 16.	32.0	5 62.4	6.2	44.3	3749	34116	39.6	29.5	11.7 **	86	85.8	19.0	33.9	58.0	6.6	42.7	3596	41962
GOLDEN HARVEST G09Y24-3220A	109	C250	1,2,4	6,14 38	5 22.	2 8.8	*	4 85	6 19.	36.	4 60.3	6.5	40.4	3590	31921	40.1	28.1	11.1 *	86	86.0	18.5	33.9	58.7	7.0	42.9	3609	39760
LEGACY SEEDS LC555-21 5122	105	C250	1,2,3	4,6 42	8 19.	1 8.4	9	5 86	2 18.	35.	60.6	7.1	39.6	3634	30773	45.1	23.3	10.5	98	86.6	17.5	31.8	57.7	6.7	45.8	3660	38564
LEGACY SEEDS LC592-21 3330	109	C250	1,2,	4,6 40.	4 21.	9 8.8	*	5 84	8 19.	37.4	1 59.3	6.4	39.8	3539	31067	41.3	26.4	10.9 *	66	85.6	18.2	33.2	56.5	6.9	44.2	3588	39120
LG SEEDS LG57 C33STXRIB	107	P500	1,2,	3,4 39.	5 21.	7 8.6	6	4 85	7 18.	35.9	60.2	6.3	39.9	3605	30928	39.7	27.1	10.7 *	101	85.2	19.1	34.2	56.7	7.2	42.0	3558	38165
LG SEEDS LG58C77-5222	108	OSF	1,2,3	,4,6 36.	0 24.	3 8.6	6	5 84	6 20.	37.5	59.3	6.7	37.1	3523	30347	37.0	30.0	11.1 *	93	86.3	17.7	31.5	56.4	7.1	43.9	3641	40308
LG SEEDS LG59056VT2RIB	109	P500	÷	2 41.	9 21.	3 8.9	*	85	2 19.	36.7	7 59.7	6.3	40.4	3569	31765	42.9	24.6	10.5	86	83.6	17.8	31.0	53.4	6.5	44.8	3571	38054
LG SEEDS LG60C12-5222	110	P500	1,2,3	4,6 41	0 20	9 8.5	6	5 85	4 18	35.	7 59.0	6.1	41.7	3589	30320	37.8	30.7	11.6 *	101	85.1	18.8	34.3	56.3	6.7	43.2	3549	41310
NK Brand NK1082-5222A	110	C500	1,2,3,4	1,6,1 38.	8 22.	5 8.7	6	9 85	5 18.	2 35.	58.9	6.0	42.8	3602	31242	37.7	30.5	11.5 *	100	84.6	19.8	35.2	56.1	6.6	42.3	3515	40329
NK Brand NK1026-5332	110	C500	1,2,3	4,6 41	3 20.	5 8.5	6	58	1	36.	4 59.1	6.6	40.6	3566	30184	39.1	27.6	10.7 *	66	85.8	18.1	32.7	56.6	7.3	43.6	3605	39144
SEEDWAY SW9504VT	96	P500	÷	2 52	7 16.	8.8	*	7 87	2 16.	31.	5 59.2	6.4	46.3	3723	30191	44.4	20.7	9.9	86	0.67	25.2	43.2	50.6	7.1	29.9	3371	35944
SEEDWAY SW4000 GENSS	66	P500	1,2,	3,4 44	5 18.	2 7.8	6	7 87	3 17.	33.	61.4	6.9	43.2	3712	29238	40.6	25.6	10.5	86	84.8	17.2	30.5	55.8	7.1	44.4	3630	36679
SEEDWAY SW6340 GENVT2P	107	P500	÷	2 42	1 20.	4 8.3	6	6	4 20.	7 37.	4 58.1	6.4	38.9	3514	29016	42.3	27.0	11.4 *	86	85.8	17.5	29.8	52.2	7.2	47.1	3626	41467
SPECIALTY 37A901	107	P500	1,2,	3,4 37	6 23.	3 9.8	** 9	98	0 18.	7 36.5	5 61.7	6.2	40.0	3616	36580	39.3	28.2	11.1 *	26	85.0	19.3	34.2	55.9	6.9	41.3	3545	39284
SPECIALTY 40A148	110	P500	1,2,	3,4 36.	7 22.	2 8.4	6	98	3 18.	34.8	8 60.4	6.2	42.0	3644	30557	38.4	28.4	10.9 *	67	84.4	20.2	35.4	56.1	6.5	41.7	3505	38250
AVERAGE				40.	7 21.	1 8.6	6	35	9 18.	35.5	5 60.2	6.4	41.2	3618	31183	40.2	27.3	11.0	86	85.0	18.8	33.6	56.1	6.8	42.8	3577	39356
HIGHEST				52	7 24.	3 9.8	6	9 87	8 20.	37.0	62.7	7.1	46.3	3749	36580	45.1	30.7	11.7	101	86.6	25.2	43.2	58.7	7.3	47.1	3660	41962
LOWEST				36.	0 16.	8 7.6	6	4 84	4 16.	31.5	58.1	6.0	37.1	3514	29016	37.0	20.7	9.9	93	79.0	17.2	29.8	50.6	6.4	29.9	3371	35944
CV (%)				6.	6.6	5 9.7	7	÷.	10.	9.0	2.3	5.8	8.7	3	6	6.3	5.4	1.7	ŝ	3.2	17.4	15.6	3.2	4.7	15.1	4	10
LSD (5%)				4	1 2.4	10	4	=	2.3	3.8	1.7	0.4	4.3	116	3277	3.0	1.8	1.0	4	3.2	3.9	6.2	2.1	0.4	7.7	169	4907
				-												_											
								+	Le	nawee - E	arly										Wood - E	arly			ľ		
2 Year Averages 2021 - 2020						YELD		+		%	UALITY			MI	.K 2006			/ELD				%0	JALITY			MILK	900
BRAND / HYBRID	RM	TRT	R	AIT %D	M GT	A	A %S	TD	P			8	STR	MK/T	MKA	WD%	GT/A	DT/A	%STD	2	ADF	ЦŊ	NDFD	8	STR	MKT	MK/A
DAIRYLAND SEED HIDF 45450	105		12	3,4 43.	0 20.	2 8.3	۲ .	87	- 1		65.1	6.9	43.8	3715	30778	35.7	26.5	9.5 *	8	86.1	1 <u>8</u>	35.5	60.8	0.7	41.8	3616	34315
	601	LUM	7 7	3,4 42	5 19.	0.0		10 0	102	27	0.20		4.04	3/40	JUL 105	30.4 4.05	C:07	9.1	/6	00 00 00	Q./L	5.45 5.45	00.7	. r	41.3	3050	35385 22007
	AD I	0070	+'7'	5, 14 5, 14	0	0 - 2		00	0 0	5	010	0.9	7 #	9044	±0/07	2.00	1.02	4.4 4	88	0.00	0.0	2.00	01.1		0.04	2014	17000
LG SEEDS LG59066VT2RIB	109	P500		2 45	0 17.	6 7.8		85	4		61.9	6.9	39.8	3570	27849	39.2	23.6	9.3	86	84.2	18.3	34.9	27.0	6.8	41.3	3549	33191
SEEDWAY SW4000 GENSS	66	P500	1,2,	3,4 46	9 15.	6 7.1		87	4 16.		61.9	7.5	44.7	3725	26583	38.3	23.8	9.2 *	96	86.4	16.4	31.1	58.9	7.5	45.1	3690	33167
SPECIALTY 40A148	110	P500	1,2,	3,4 41	8 18.	8 7.8		86	0 17.	37.4	1 61.7	9.9	41.2	3617	27329	36.1	25.4	9.2 *	97	85.0	19.4	36.4	58.7	6.7	40.4	3545	32671
AVERAGE				43	8 18	3 7.8		86	7 17	35.3	62.5	7.0	43.2	3669	28669	37.0	25.3	9.4	67	85.7	18.1	34.7	59.5	7.1	41.7	3609	33759
HIGHEST				46	9 20.	2 8.3		87	7 19.	38	5 65.1	7.5	45.4	3746	30778	39.2	26.5	9.7	66	86.5	19.4	36.4	61.1	7.5	45.1	3690	35385
LOWEST				41	8 15.	6 7.1		85	4 16.	32.9	61.6	9.9	39.8	3570	26583	35.7	23.6	9.2	96	84.2	16.4	31.1	57.0	6.7	40.3	3545	32671
CV (%)				-80 87	1 8.5	8.6		~	9.2	7.8	2.7	6.8	7.6	ŝ	7	5.4	4.7	6.7	ŝ	2.4	13.3	11.9		4.6	11.8	ŝ	6
LSD (5%)				3.	1/	9.0			1.4	2.3	1.4	0.4	2.7	83	1842	1.7	1.0	9.0	2	1.7	2.0	3.4		0.3	4.1	95	2634

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

CV (%) LSD (5%)

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

ZONE 1

	12006	MK/A	38143	37021	40932	37494	38882	35483	33361	36864	38551	37988	35034		32132	36861	32467	36515	40932	32132	12	6262		12006	MK/A	37279	34016	34865		35387	37279	34016	10 208/
	MILK	MK/T	3538	3545	3583	3505	3432	3509	3391	3506	3389	3596	3447		3345	3398	3351	3467	3596	3345	4	199		MILK	MK/T	3549	3547	3529		3542	3549	3529	4 4
		STR	40.2	39.9	44.0	40.7	38.0	40.9	38.1	39.7	37.3	43.1	39.5		37.3	38.4	35.9	39.5	44.0	35.9	11.0	6.6			STR	39.5	41.3	41.7		40.8	41.7	39.5	9.6 3.1
		8	1.7	7.2	7.0	7.0	6.9	7.1	6.5	7.3	6.7	7.1	7.2		6.9	7.1	6.8	7.0	7.7	6.5	4.1	0.4			ප	7.5	6.9	7.0		7.1	7.5	6.9	5.7
	ality	NDFD	59.2	59.8	56.8	57.3	59.7	59.0	56.0	57.6	56.6	58.7	56.4		55.3	55.8	57.7	57.5	59.8	55.3	2.0	1.8		ALITY	NDFD	60.8	60.7	59.2		60.2	60.8	59.2	2.6
Late	% QU	NDF	36.5	36.7	33.7	36.4	40.3	37.4	39.1	36.5	39.5	34.5	37.5	•	39.8	38.6	41.3	37.7	41.3	33.7	10.2	5.8	Late	% QU	NDF	37.6	37.6	37.2		37.4	37.6	37.2	9.0
Branch -		ADF	21.6	21.1	19.8	20.6	23.4	21.6	22.4	20.4	22.2	19.4	22.5		23.0	22.8	24.0	21.8	24.0	19.4	11.9	3.9	Branch -		ADF	19.8	19.9	19.1		19.6	19.9	19.1	10.4 1 9
		₽	85.1	85.2	85.4	84.5	83.8	84.7	82.8	84.5	82.9	85.8	83.6	•	82.1	82.9	82.5	84.0	85.8	82.1	2.1	2.6			₽	85.3	85.2	84.8		85.1	85.3	84.8	2.4
		%STD	96	95	8	66	96	92	2	86	26	8	67	•	86	86	96	96	66	92	4	9			%STD								
	9	DT/A	10.8 *	10.5 *	11.4 **	10.7 *	11.4 **	10.1 *	9.8 *	10.6 *	11.4 **	10.6 *	10.2 *	•	9.6	10.9 *	9.7 *	10.5	11.4	9.6	11.0	1.7		9	DT/A	10.5 **	9.6	10.1 *	#	10.0	10.5	9.6	9.2 0.8
	JI.	GT/A	27.4	29.5	28.3	29.6	25.7	25.5	28.3	30.0	30.1	27.0	25.4		25.1	30.9	26.1	27.8	30.9	25.1	7.9	3.2		JL	GT/A	31.3	25.6	26.2		27.7	31.3	25.6	7.2
		WD%	39.3	35.7	40.6	36.2	44.5	39.6	34.8	35.3	37.8	38.9	40.0	•	38.1	35.2	37.0	38.1	44.5	34.8	10.7	6.0			MD%	33.5	37.6	38.3		36.5	38.3	33.5	8.2 2.6
	2006	MK/A	37948	35706	36538	36044	40430	34617	36327	38185	34057	37832	32816	31734	32816	34191	37037	35752	40430	31734	16	7961		2006	MK/A	33245	31345	33362	29808	31940	33362	29808	
	MILK	MK/T	3616	3553	3536	3512	3547	3549	3477	3483	3452	3552	3501	3521	3486	3493	3522	3520	3616	3452	3	169		MILK	MKT	3596	3583	3564	3539	3571	3596	3539	
		STR	42.1	39.5	41.9	40.6	41.2	41.6	39.3	37.7	38.1	40.7	40.2	39.7	40.8	40.0	41.2	40.3	42.1	37.7	10.0	5.7			STR	39.7	41.6	40.9	39.2	40.3	41.6	39.2	
		С	7.0	7.0	6.8	6.7	6.6	6.7	6.3	6.9	6.4	6.9	6:9	9.9	6.8	6.8	6.7	6.7	7.0	6.3	5.9	0.5			ප	7.4	6.9	7.0	7.0	7.0	7.4	6.9	
	VLITY	NDFD	59.7	59.8	57.7	57.9	59.5	58.0	57.4	58.4	57.5	59.0	56.9	59.0	56.3	57.1	57.8	58.1	59.8	56.3	2.2	1.9		VLITY	NDFD	61.6	60.8	60.4	61.3	61.0	61.6	60.4	
AVERAGE	% QU/	NDF	34.6	36.7	35.4	36.8	36.8	35.3	37.4	38.1	39.0	36.3	36.4	37.4	36.4	36.9	36.0	36.6	39.0	34.6	9.8	5.2	AVERAGE	% QU/	NDF	36.9	36.4	37.2	38.5	37.3	38.5	36.4	
e - TRIAL		ADF	19.4	20.2	20.1	20.4	20.5	20.3	20.9	20.8	21.6	20.0	21.0	20.5	20.3	20.9	20.1	20.5	21.6	19.4	10.7	3.1	e - TRIAL		ADF	19.1	19.3	19.2	19.5	19.2	19.5	19.1	
Lat		۵N	85.7	85.2	85.3	84.5	85.1	84.9	83.8	84.2	83.4	85.1	84.3	84.7	84.0	84.2	84.3	84.6	85.7	83.4	2.2	2.7	Lat		S	85.8	85.5	85.2	84.9	85.4	85.8	84.9	
		%STD	67	97	26	66	66	92	97	26	26	8	88	8	67	8	96	26	66	92	4	9			%STD	86	8	26	88	26	8	95	
	Q	DT/A	10.6 *	10.1 *	10.1 *	10.3 *	11.4 **	9.6 *	10.3 *	11.0 *	* 6.6	11.2 *	9.3 *	9.1	9.5 *	9.8 *	10.1 *	10.1 #	11.4 #	9.1 #	15.2	2.1		a	DTIA	9.3	8.7	9.7 **	8.1	8.9	9.7	8.1	
	YIEL	GT/A	27.9	29.7	28.3	28.6	25.9	26.3	30.1	30.0	27.9	27.0	26.3	28.1	26.6	29.0	26.2	27.9	30.1	25.9	7.7	2.9		YIEL	GT/A	27.0	23.3	24.1	23.1	24.4	27.0	23.1	
		WD%	38.0	34.2	35.6	36.0	43.7	36.4	34.7	36.4	35.2	41.3	36.0	32.2	35.4	33.3	38.2	36.4	43.7	32.2	13.3	7.0			WD%	35.4	38.2	40.9	37.1	37.9	40.9	35.4	
	1	TRAIT	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,4,6	2,3,4,6,14	1,2,3,4,6	1,2,3,4,6	1,2,3,4,6	1,2,3,6	1,2,3,4	1,2,3,4	1.2.3.4.6	1,2	1,2							1	TRAIT	LUM	C250	A500	C500				
		TRT	LUM	LUM	P500	C250	C250	C250 1,	C250 1	C250 1	C250 1	A500	P500	C500	C500	P500	ENC								TRAIT	LUM	C250	A500	C500				
		RM	111	112	112	112	113	114	116	118	112	113	112	112	113	113	112								RM	112	114	113	112				
	2021	BRAND / HYBRID	DAIRYLAND SEED DS-5144Q	DAIRYLAND SEED HIDF-5202Q	DYNAGRO D52SS82	GOLDEN HARVEST G12S75-5122	GOLDEN HARVEST G13Z50-3220	GOLDEN HARVEST G14N11-5222	GOLDEN HARVEST G16K01-3111	GOLDEN HARVEST G18D87-3111	LEGACY SEEDS LC623-21 5222	LEGACY SEEDS LC634-20 SSX	LG SEEDS LG62C35STXRIB	NK Brand NK1239-5122	NK Brand NK1349-5222	SPECIALTY 43A311	WELLMAN W2012DP	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)		2 Year Averages 2021 - 2020	BRAND / HYBRID	DAIRYLAND SEED HIDF-5202Q	GOLDEN HARVEST G14N11-5222	LEGACY SEEDS LC634-20 SSX	NK Brand NK1239-5122	AVERAGE	HIGHEST	LOWEST	CV (%) I SD (5%)
		•	-					-					•					-						- 3	32	-						- 1	_

Highest Yielding Hybrid
 Not Significantly Different from Highest Yielding Hybrid
 Data Lost Due to Severe Lodging

					YIELD		Le	nawee - La	ite % QUALI	λĽ		_	MILK 2006	_		IELD			Wood - L	ate % QU/	ALITY			MILK 2006
RM TRT TRAIT %DM GT/A DT/A %STD IVD AD	TRT TRAIT %DM GT/A DT/A %STD IVD AD	RAIT %DM GT/A DT/A %STD IVD AD	%DM GT/A DT/A %STD IVD AD	DT/A %STD IVD AD	%STD IVD AD	IVD AD	AD	ш	NDF N	IDFD C	P ST	R MK	T MK/	MD%	GT/A	DT/A	%STD	۵N	ADF	NDF	NDFD	СР	STR M	UT MK
111 LUM 1,2,3,4 37.2 26.0 9.7 * 97 86.8 18.	.UM 1,2,3,4 37.2 26.0 9.7* 97 86.8 16.	2,3,4 37.2 26.0 9.7* 97 86.8 18.	37.2 26.0 9.7* 97 86.8 18.	9.7 * 97 86.8 18.	97 86.8 18.	86.8 18.	18.	-	34.4	61.6 6	.5 42	.5 367	6 3559	9 37.6	30.4	11.4	66	85.2	18.4	32.9	58.2	6.6	44 3	34 40101
112 LUM 1,2,3,4 35.7 26.8 9.5 * 97 84.9 20.8	.UM 1,2,3,4 35.7 26.8 9.5 * 97 84.9 20.8	2,3,4 35.7 26.8 9.5 * 97 84.9 20.8	35.7 26.8 9.5 * 97 84.9 20.8	9.5 * 97 84.9 20.8	97 84.9 20.8	84.9 20.8	20.8		39.3	61.6 6	.4 36	.8	6 3344	7 31.3	32.8	10.2	66	85.7	18.9	34.2	58.0	7.4	42 3	88 36651
112 P500 1,2,3,4 32.6 27.5 9.0 * 99 86.0 19.0	⁵⁵⁰⁰ 1,2,3,4 32.6 27.5 9.0 * 99 86.0 19.0	2,3,4 32.6 27.5 9.0 * 99 86.0 19.0	32.6 27.5 9.0 * 99 86.0 19.0	9.0 * 99 86.0 19.0	99 86.0 19.0	86.0 19.0	19.0		34.8	59.8 6	.7 41.	.362	6 3257	33.6	29.1	9.8	66	84.6	21.5	37.6	56.4	6.7	41 3	99 36109
112 C250 1,2,3,4 32.7 27.8 9.1 * 99 84.2 20.	250 1,2,3,4 32.7 27.8 9.1 * 99 84.2 20.9	2,3,4 32.7 27.8 9.1 * 99 84.2 20.9	32.7 27.8 9.1* 99 84.2 20.9	9.1 * 99 84.2 20.9	99 84.2 20.9	84.2 20.9	2	~	38.8	59.3 6	.3	.6	11 3157	1 39.3	28.5	11.0	100	84.9	19.7	35.1	57.2	6.8	42 3	41 39066
113 C250 1,2,4,6 35.1 24.8 8.7 * 99 85.5 1	250 1,2,4,6 35.1 24.8 8.7 * 99 85.5 1	2,4,6 35.1 24.8 8.7 * 99 85.5 1	35.1 24.8 8.7* 99 85.5 1	8.7 * 99 85.5 1	99 85.5 1	85.5 1	-	9.9	36.6 (50.4 6	.3 41.	.0 356	3 3125	1 51.7	27.3	14.2 **	101	86.1	18.3	33.4	58.5	6.7	45 3	25 51155
114 C250 1,2,3,4,6,14 36.2 23.7 8.7* 88 85.2 [·]	250 1,2,3,4,6,14 36.2 23.7 8.7* 88 85.2 [·]	3,4,6,14 36.2 23.7 8.7* 88 85.2 ′	36.2 23.7 8.7* 88 85.2 '	8.7 * 88 85.2 ·	88 85.2	85.2	· ·	19.7	36.1	58.9 6	4 41	.1 356	3087	33.3	29.6	9.9	96	84.9	19.5	32.4	56.2	6.8	43 3	68 37496
116 C250 1,2,3,4,6 37.8 28.7 10.8 ** 98 84.6 21	250 1,2,3,4,6 37.8 28.7 10.8 ** 98 84.6 21	7.3,4,6 37.8 28.7 10.8 ** 98 84.6 21	37.8 28.7 10.8 ** 98 84.6 21	10.8 ** 98 84.6 21	98 84.6 21	84.6 21	\sim	0.6	38.1	59.6 6	.1 38.	.1 352	1 3874	31.3	33.3	10.4	100	84.1	19.7	35.1	56.7	6.5	42 3	18 36873
118 C250 1,2,3,4,6 31.6 28.8 9.1 * 97 83.4 21	250 1,2,3,4,6 31.6 28.8 9.1 * 97 83.4 21	7,3,4,6 31.6 28.8 9.1 * 97 83.4 21	31.6 28.8 9.1 * 97 83.4 21	9.1 * 97 83.4 21	97 83.4 21	83.4 21	3	6	41.0	59.5 6	.2	.6 22	1 3119	5 42.4	31.3	13.2 *	86	84.7	20.0	36.7	58.3	7.2	39 3	12 46496
112 C250 1,2,3,4,6 33.0 24.8 8.3 94 83.3 2	250 1,2,3,4,6 33.0 24.8 8.3 94 83.3 2	7,3,4,6 33.0 24.8 8.3 94 83.3 2	33.0 24.8 8.3 94 83.3 2	8.3 94 83.3 2	94 83.3 2	83.3 22	2	2.0	40.6	59.1 6	.2 36.	95	3 2871	34.9	28.7	10.0	100	84.0	20.5	37.0	56.8	6.5	40 3	74 34906
113 A500 1,2,3,6 38.3 25.8 9.6 * 93 86.0 19.	\500 1,2,3,6 38.3 25.8 9.6 * 93 86.0 19.	2,3,6 38.3 25.8 9.6 * 93 86.0 19.	38.3 25.8 9.6 * 93 86.0 19.	9.6 * 93 86.0 19.	93 86.0 19.	86.0 19.	19.	2	35.4 (50.5 6.	7 41.	.2 362	3 3472	46.7	28.1	13.6 *	96	83.5	21.4	39.0	57.7	6.8	38 3	37 40784
112 P500 1,2,3,4 34.9 24,6 8.6 97 85.6 19.4	7500 1,2,3,4 34.9 24.6 8.6 97 85.6 19.4	2,3,4 34.9 24.6 8.6 97 85.6 19.4	34.9 24.6 8.6 97 85.6 19.4	8.6 97 85.6 19.4	97 85.6 19.4	85.6 19.4	19.4		35.0	59.0 6.	.7 41.	.3 360	12 3086	1 33.1	28.9	9.3	101	83.7	21.2	36.6	55.3	6.7	40 3	55 32548
112 C500 1,2,3,4 32.1 27.5 8.8 * 95 84.5 21.	500 1,2,3,4 32.1 27.5 8.8 * 95 84.5 21.	2,3,4 32.1 27.5 8.8* 95 84.5 21.	32.1 27.5 8.8* 95 84.5 21.	8.8 * 95 84.5 21.	95 84.5 21.	84.5 21.	21.	4	38.9	50.1 6.	.6 37.	.4 350	5 3049	32.3	28.7	9.3	101	85.0	19.7	35.8	57.9	6.7	42 3	37 32970
113 C500 1.2.3.4.6 33.7 25.2 8.7 * 95 85.4 19.	7500 1.2.3.4.6 33.7 25.2 8.7 * 95 85.4 19.	.3.4.6 33.7 25.2 8.7 * 95 85.4 19.	33.7 25.2 8.7 * 95 85.4 19.	8.7 * 95 85.4 19.	95 85.4 19.	85.4 19.	19.	-	35.4	58.8	.6 41.	356	6 3084	34.3	29.4	10.1	86	84.6	18.9	34.1	54.8	6.8	43 3	28 35472
113 P500 1,2 29.9 25.6 7,8 96 84.5 21	7500 1,2 29.9 25.6 7.8 96 84.5 21	1,2 29.9 25.6 7.8 96 84.5 21	29.9 25.6 7.8 96 84.5 21	7.8 96 84.5 21	96 84.5 21	84.5 21	2	c.	39.2	30.5 6.	4 37.	5 350	7 2768	34.8	30.4	10.6	66	85.2	18.6	32.8	55.0	6.8	44	75 38025
112 ENC 1,2 34.8 24.6 8.5 97 86.0 18.	ENC 1,2 34.8 24.6 8.5 97 86.0 18.	1,2 34.8 24.6 8.5 97 86.0 18.	34.8 24.6 8.5 97 86.0 18.	8.5 97 86.0 18.	97 86.0 18.	86.0 18.	18.	6	35.0	59.8 6.	5 42.	.1 362	1 3036	3 42.6	27.9	12.0 *	95	84.6	17.6	31.6	56.0	6.8	46 3	92 48278
34.4 26.1 9.0 96 85.1 20.1	34.4 26.1 9.0 96 85.1 20.1	34.4 26.1 9.0 96 85.1 20.1	34.4 26.1 9.0 96 85.1 20.1	9.0 96 85.1 20.1	96 85.1 20.1	85.1 20.1	20.1		37.2	59.9 6	.4 39	.5 35!	3193	1 37.3	29.6	11.0	66	84.7	19.6	35.0	56.9	6.8	42 3	32 39129
38.3 28.8 10.8 99 86.8 22	38.3 28.8 10.8 99 86.8 22	38.3 28.8 10.8 99 86.8 22	38.3 28.8 10.8 99 86.8 22	10.8 99 86.8 22	99 86.8 22	86.8 22	ଷ	0.	41.0	61.6 6	.7 42	.5 367	6 3874	51.7	33.3	14.2	101	86.1	21.5	39.0	58.5	7.4	46 3	34 51155
29.9 23.7 7.8 88 83.3 18	29.9 23.7 7.8 88 83.3 18	29.9 23.7 7.8 88 83.3 18	29.9 23.7 7.8 88 83.3 18	7.8 88 83.3 18	88 83.3 18	83.3 18	9	4	34.4	58.8 6	.1 34	.6 343	1 2768	31.3	27.3	9.3	95	83.5	17.6	31.6	54.8	6.5	38	99 32548
13.3 7.7 15.2 4 2.2 10	13.3 7.7 15.2 4 2.2 10	13.3 7.7 15.2 4 2.2 10	13.3 7.7 15.2 4 2.2 10	15.2 4 2.2 10	4 2.2 10	2.2 10	ę	7	9.8	2.2 5	.9 10	.0	16	18.3	5.1	20.0	2	2.1	8.7	7.4	3.0	5.0	80	20
7.0 2.9 2.1 6 2.7 3	7.0 2.9 2.1 6 2.7 3	7.0 2.9 2.1 6 2.7 3	7.0 2.9 2.1 6 2.7 3	2.1 6 2.7 3	6 2.7 3	2.7 3	ŝ	.	5.2	1.9 0	.2 2	7 16	.962 6	8.2	1.8	2.6	ŝ	2.1	2.0	3.1	2.0	0.4	4	6 9198
_	_				_	_		-						_						ł				
					Lena	Lenar	na	vee - La		2		-	2000 /I IIW						1 - DOOW	-ate			-	2000 /I IIN
IIELU	IIELU	IIELU	IIELU							=		_			-	IELU								
RM TRAIT IRAIT %DM GT/A DT/A %STD IVD /	KAIT IKAIT %DM GT/A DT/A %STD IVD /	RAIT %DM GT/A DT/A %STD IVD	%DM GI/A DI/A %SID IVD	DT/A %STD IVD	%STD IVD	DN	_	ADF	NDF N	DFD C	P SI	RMK	T MK/	MD%	GI/A	DIIA	%SID	ΠN	ADF	NDF	NDFD	сь	SIR M	VT MK/A
112 LUM LUM 41.8 21.6 8.6 ** 86.3 1 114 C.250 4.36 18.5 7.7 85.7 1	LUM LUM 41.8 21.6 8.6** 86.3 1 250 C250 43.6 18.5 7.7 85.7 1	-UM 41.8 21.6 8.6** 86.3 1 250 436 185 7.7 857 1	41.8 21.6 8.6 ** 86.3 1 43.6 18.5 7.7 85.7 1	86.3 1 7.7 85.7 1	86.3 1	86.3 85.7		8.6 9.0	37.0 36.6	63.1 7 62.0 6	8 6 6	8. 8	N3 3112 M4 2784	33.4	28.2 25.9	8.7	8 8	85.9 85.5	18.9	36.2 35.1	60.8 59.7	7.5	38.8	06 31334 98 32177
113 A500 A500 43.5 20.7 8.4 * 86.4 18.	\500 A500 43.5 20.7 8.4 86.4 18.	500 43.5 20.7 8.4 * 86.4 18.	43.5 20.7 8.4 * 8.6.4 18.	8.4 * 86.4 18.	86.4 18.	86.4 18.	18.	4	36.0	62.0 7	.2 42	.4 36/	5 3051	41.0	25.3	10.8 **	16	84.6	20.0	38.6	60.0	6.8	38.6 3	19 34708
112 C500 C500 41.1 20.7 7.9 * 84.8 19.	500 C500 41.1 20.7 7.9 * 84.8 19.	750 41.1 20.7 7.9 * 84.8 19.	41.1 20.7 7.9 * 84.8 19.	7.9 * 84.8 19.	84.8 19.	84.8 19.	19.	ŝ	38.7	51.9 7	.0	.0 355	6 2911	33.1	25.4	8.4	86	85.0	19.6	38.3	60.8	6.9	38.4 3	43 30503
42.5 20.4 8.1 85.8 18.8	42.5 20.4 8.1 85.8 18.8	42.5 20.4 8.1 85.8 18.8	42.5 20.4 8.1 85.8 18.8	8.1 85.8 18.8	85.8 18.8	85.8 18.8	18.8		37.1 (52.2 7	.0 41.	5 360	4 2964	34.6	26.2	9.1	26	85.2	19.3	37.1	60.3	7.1	39.1 3	32 181
43.6 21.6 8.6 86.4 19.	43.6 21.6 8.6 86.4 19.	43.6 21.6 8.6 86.4 19.	43.6 21.6 8.6 8.6 19.	8.6 86.4 19.	86.4 19.	86.4 19.	19.	33	38.7	53.1 7.	.2 42	.6 364	5 3112	3 41.0	28.2	10.8	98	85.9	20.0	38.6	60.8	7.5	40.8 3	34708
41.1 18.5 7.7 84.8 1	41.1 18.5 7.7 84.8 1	41.1 18.5 7.7 84.8 1	41.1 18.5 7.7 84.8 1	7.7 84.8 1	84.8	84.8	-	8.4	36.0 (51.9 6.	.8 40	.0 355	6 2784	30.9	25.3	8.4	95	84.6	18.9	35.1	59.7	6.8	38.4 3	19 30503
10.3 6.9 11.7 2.0 9.9	10.3 6.9 11.7 2.0 9.9	10.3 6.9 11.7 2.0 9.9	10.3 6.9 11.7 2.0 9.9	11.7 2.0 9.9	2.0 9.9	2.0 9.9	9.9		8.7	2.3 5	5.		12	13.7	4.4	15.4	°	1.9	7.7	7.2	3.1	5.4	6.8	15
3.2 1.4 0.8 1.4 1.6	3.2 1.4 0.8 1.4 1.6	3.2 1.4 0.8 1.4 1.6	3.2 1.4 0.8 1.4 1.6	0.8 1.4 1.6	1.4 1.6	1.4 1.6	1.6		2.7	1.1 0	.3	0	303	4.2	1.0	1.3	2	1.3	1.2	2.1	1.5	0.3	2.3	9 4636

** Highest Yielding Hybrid * Not Significantly Different from Highest Yielding Hybrid - Data Lost Due to Severe Lodging

	K 2006	MK/A	27687	29583	33048	30959	29177	31481	29661	32243	29846	26470	30071	27276	28051	27822	31019	29430	26751	29912	27135	32005	28962	31091	29531	33048	26470	11.916	1150 7
	MIL	MK/T	3774	3767	3692	3811	3660	3659	3727	3770	3695	3635	3675	3619	3642	3584	3588	3717	3710	3692	3686	3755	3604	3673	3687.9	3811.1	3583.6	2.798	101 03
		STR	49.3	48.2	45.6	48.9	42.0	45.8	45.8	47.7	46.2	44.3	46.4	42.9	44.5	42.2	43.3	46.8	46.5	45.0	44.8	48.8	41.0	45.1	45.495	49.28	40.98	9.29	00 /
		с	8.0	7.8	7.4	7.6	7.6	6.3	7.1	7.5	6.7	1.7	6.9	8.2	7.9	7.9	6.8	7.6	8.2	7.5	7.0	6.8	1.1	6.9	7.4136	8.23	6.28	4.3	0.20
	VLITY	NDFD	61.1	60.8	61.3	62.8	62.9	60.1	62.1	62.1	60.1	59.7	59.5	59.5	59.1	59.7	57.0	61.3	59.4	60.9	60.1	60.0	61.3	60.7	60.51	62.9	56.98	2.66	10
arly	% QU/	NDF	29.1	30.7	33.4	30.0	35.9	34.1	32.9	31.5	32.9	34.5	33.1	34.8	33.8	36.1	34.3	31.9	31.7	33.4	33.1	30.9	36.5	34.0	33.099	36.48	29.08	11.08	133
Ottawa - E		ADF	14.6	15.5	17.2	15.0	18.9	18.0	16.3	16.2	16.8	17.6	17.4	17.7	17.4	18.4	18.1	16.4	15.9	17.2	16.8	15.8	19.0	17.3	16.959	19.03	14.63	13.61	070
		2	88.7	88.0	87.1	88.9	86.7	86.4	87.5	88.1	86.9	86.1	90.6	85.9	86.2	85.5	85.3	87.6	87.2	87.0	80.8	87.7	85.8	86.7	86.932	88.85	85.25	1.7	174
		%STD	96	91	95	100	96	100	93	16	66	97	16	95	97	98	95	66	98	16	95	96	92	97	96	100	91	5	ŝ
	ED	DT/A	7.3	* 6.7	* 8.8	8.1 *	* 0.8	* 9.8	* 0.8	8.6 *	8.1 *	7.3	82 *	7.5	* 1.7	7.8 *	8.7 *	* 6.7	7.2	8.1 *	7.4	8.5 *	* 0.8	8.5 *	7.9986	8.83	7.23	11.32	1.07
	YE	GT/A	12.9	14.7	15.7	17.9	18.7	17.0	16.8	18.2	15.5	14.5	15.9	14.9	14.6	14.8	19.5	14.8	14.6	18.8	16.7	16.9	17.3	18.0	16.29	19.53	12.85	12.03	2.31
		WD%	54.3	53.6	55.8	45.6	42.7	50.4	47.4	47.3	52.4	51.0	51.6	50.6	50.3	52.3	44.4	53.7	49.9	43.3	43.5	50.9	47.3	45.8	49.264	55.81	42.68	10.26	26.97
	900	MK/A	29906	31092	31963	34342	30559	34639	32833	32439	31627	30200	33725	30583	32248	31642	31723	32527	31684	31281	31585	32868	29757	30979	31827	34639	29757	ŧ	2345
	MLK 2	MKT	3661	3650	3536	3727	3627	3640	3646	3628	3623	3573	3610	3488 24	3588	3524	3527	3692	3656	3626	3610	3571	3584	3595	3608	3727	3486	ŝ	22
		SIR	45.9	42.7	42.0	45.6	40.9	44.4	43.5	42.5	43.7	42.0	43.7	39.5	42.5	41.1	39.5	45.5	45.2	42.6	42.3	42.0	40.3	42.1	42.7	45.9	39.5	6.6	2.8
		e.	7.0	6.6	6.6	6.7	6.8	6.0	6.6	6.6	6.3	6.9	6.3	7.3	7.0	6.9	6.2	6.8	7.3	6.9	6.5	6.2	7.1	6.4	6.7	7.3	6.0	7.0	0.3
	LITY	NDFD	59.1	59.7	57.6	61.3	61.1	59.2	60.3	61.0	58.7	58.8	58.6	57.1	58.4	57.3	57.3	59.7	57.8	60.2	59.5	58.5	60.3	58.6	59.1	61.3	57.1	2.7	11
ERAGE	% QUA	NDF	31.9	34.9	35.6	31.8	35.3	33.9	33.9	34.8	34.0	35.6	34.1	37.0	97.9	36.1	36.1	32.1	32.2	34.6	34.9	35.4	35.9	34.8	34.5	37.0	31.8	10.8	2.5
- TRIAL AV		ADF	16.9	18.7	19.4	16.8	19.1	18.0	17.7	18.4	18.0	18.4	18.2	19.7	18.0	19.1	19.4	16.8	16.7	18.2	18.3	18.9	19.0	18.3	18.3	19.7	16.7	12.6	1.6
Early		2	6.98	85.9	84.8	87.6	86.2	86.2	86.5	86.4	85.9	85.3	85.8	84.1	85.5	84.6	84.6	0.78	86.4	86.2	85.8	85.2	85.7	85.6	85.8	87.6	84.1	1.9	1.1
		MSTD	98	86	26	86	96	66	26	8	86	98	86	%	26	86	96	66	8	96	96	96	87	95	26	66	87	4	ŝ
	ELD	DTIA	82	8.6	* 0:6	9.3 *	8.4	* 9'6	9.1 *	8.9	8.8	8.5	* 1/6	8.8	* 0.6	* 0:6	8.8	8.8	8.7	8.7	8.8	9.3 *	8.3	8.6	8.8	9.6	82	10.3	9.0
	λI	GT/A	17.6	18.9	20.6	22.2	23.3	22.4	21.5	21.4	19.5	19.1	22.1	20.7	19.5	20.1	22.6	20.0	19.9	21.1	21.4	22.2	20.9	21.3	20.8	23.3	17.6	9.5	13
		WO%	47.6	47.0	45.6	43.0	37.3	44.3	43.1	42.3	46.5	46.2	44.4	44.3	46.8	46.4	39.6	45.9	45.0	41.9	41.9	43.6	414	41.7	43.9	47.6	37.3	9.0	2.7
		TRAIT	12,3,4	12,3,4	12,3,4	12,3,4	12,3,4	1,2	12,4	1,2,3,4	12	12,3,4,6	12	12,3,4,6	12,3,4,6	12,3,4,6	12,3,4	12,3,4	1,2,3,4	12,3,4	12	12	Conv.	Conv.					
		TRT	LUM	LUM	LUM	LUM	LUM	P500	C250	C250	P500	C250	P250	C250	OSF	OSF	P500	C250	C250	C250	ACC 250	AC C250	C250	C250					
		RM	91	16	66	100	102	100	102	104	100	100	103	103	100	104	104	66	103	104	103	103	101	104					
	2021	RAND / HYBRID	AIRYLAND SEED DS-3162Q	AIRYLAND SEED HIDF-3197RA	AIRYLAND SEED HIDF-3099RA	AIRYLAND SEED HIDF-40730	AIRYLAND SEED HIDF-3802Q	YNAGRO D40VC41	0LDEN HARVEST G02K39-3120	0LDEN HARVEST 604519-3122	EGACY SEEDS LC-4248 VT2P	EGAC Y SEEDS LC 503-21 5222	EGACY SEEDS LC-5217 VT2P	EGACY SEEDS LC533-20 5222	3 SEEDS LG50C93-5222	3 SEEDS L 654C11-5222	3 SEED SL 654C76STXRIB	K Brand NK9991-5122	K Brand NK0314-5122	K Brand NK0440-3122	ENK RK621VT2P	ENK RK642VT2P	KING 0.69-01P	KING 0.51-04P	VERAGE	GHEST	DWEST	V (%)	5D(5%)

** Highest Yeiding Hybrid * Not Sgnificantly Different from Highest Yeiding Hybrid

ZONE 2 - 3

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

TABLE 7E.

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									Huron - Ea	Ą					_					Ingham	- Early					
2021					Y	ELD				% QUAL	ПY			MILK 200			YIELD				% QI	JALITY			MILK 2	900
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	DVD	ADF	NDF	NDFD	СР	STR M	K/T M	KIA %	DM GT	A DT/A	%STI	DD (D	ADF	NDF	NDFD	С	STR	MK/T	MK/A
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	39.2	24.4	6.7	26	84.0	20.0	36.3	55.9	6.7	41.8 3.	475 33	628 4	3.4 15.	5 7.6	100	87.9	16.2	30.4	60.3	6.4	46.6	3735	28402
DAIRYLAND SEED HIDF-3197RA	26	LUM	1,2,3,4	40.6	24.2	9.8	100	83.9	21.4	38.4	58.0	6.1	39.6 3.	453 33	825 4	17 17	9 8.2	103	85.8	19.4	35.6	60.3	6.0	40.3	3730	29867
DAIRYLAND SEED HIDF-3099RA	66	LUM	1,2,3,4	37.6	28.3	* 10.6	88	81.8	22.2	38.9	53.1	62	38.9 3.	326 35	408 4	3.4 17	8 7.7	86	85.4	18.8	34.7	58.3	62	41.6	3590	27434
DAIRYLAND SEED HIDF-4073Q	100	LUM	1,2,3,4	37.0	30.6	11.3 **	86	85.6	19.1	35.1	59.0	6.5	42.3 3	578 4(411 4	5.3 18.	2 8.4	. 97	88.5	16.4	30.3	62.0	6.2	45.6	3793	31656
DAIRYLAND SEED HIDF-3802Q	102	LUM	1,2,3,4	29.5	31.3	9.4	94	84.1	21.1	38.3	58.4	6.6	37.5 3.	464 32	838 3	9.7 19.	9 7.9	97	87.9	17.3	31.9	61.9	6.4	43.1	3758	29661
DYNAGRO D40VC41	100	P500	1,2	36.6	30.1	11.0 *	8	84.7	19.8	36.6	58.3	5.9	41.4 3.	517 38	684 4	5.7 20	2 9.1		87.5	16.4	30.9	59.2	5.7	45.9	3744	33753
GOLDEN HARVEST G02K39-3120	102	C250	12,4	38.7	28.7	11.1 *	8	83.1	21.9	40.1	57.6	6.3	37.0 3	390 37	608 4	3.4 18	9 8.2		88.9	14.8	28.8	61.4	6.4	47.7	3820	31230
GOLDEN HARVEST G04S19-3122	104	C250	1,2,3,4	36.3	26.5	9.8	96	83.1	22.4	40.7	58.5	6.0	36.1 3.	387 33	502 4	3.5 19	5 8.5	. 99	87.5	16.7	32.1	62.5	6.3	43.7	3726	31572
LEGACY SEEDS LC-4248 VT2P	100	P500	1,2	39.7	26.7	10.6 *	88	83.7	20.9	38.0	56.9	6.0	39.9	44 36	425 4	.3 16.	8 7.7	26	87.3	16.3	31.1	59.1	6.3	45.0	3730	28609
LEGACY SEEDS LC503-21 5222	100	C250	12,3,4,	39.1	25.7	10.0	26	83.8	20.1	37.8	57.0	6.6	39.9	448 34	339 4	3.6 17	1 8.2		86.1	17.6	34.6	59.8	6.5	42.0	3635	29791
LEGACY SEEDS LC-5217 VT2P	103	P250	1,2	35.6	30.3	10.8 *	96	83.3	20.8	37.8	55.8	62	40.0 3.	422 36	895 4	5.1 20) 9.2	101	87.5	16.4	31.5	60.4	5.9	14.7	3733	34209
LEGACY SEEDS L C533-20 5222	103	C250	1,2,3,4,	5 36.4	29.0	10.5 *	86	81.5	22.6	40.9	54.8	7.0	35.4 3.	292 34	765 4	5.1 18	3 8.4	ъ	84.7	18.8	35.4	57.0	6.6	40.3	3549	29710
LG SEED SL G50 C93-52 22	100	OSF	1,2,3,4,	6 39.5	25.6	10.1	86	84.5	18.9	35.4	56.1	7.0	42.1 3	508 35	505 5	18. 18.	3 9.2	. 97	85.9	17.9	35.4	60.0	6.3	40.8	3615	33189
LG SEEDS LG54C11-5222	104 104	OSF	12,3,4,	37.8	26.2	6.6	35	81.3	22.8	41.5	54.8	6.2	35.5 3.	278 32	279 4	9.1 19.	3 9.4	* 103	86.9	16.1	30.7	57.4	6.7	45.7	3710	34826
LG SEEDS LG54C76STXRIB	104	P500	1,2,3,4	34.2	28.5	9.8	8	82.4	21.7	39.8	55.8	6.0	35.1 3.	355 35	305 4	1.1 19	9 7.9	. 38	86.1	18.5	34.2	59.0	5.8	40.0	3636	28844
NK Brand NK 9991-5122	66	C250	1,2,3,4	38.4	26.4	10.1	98	85.6	17.9	34.0	57.7	6.3	44.4 3.	590 36	188 4	5.5 18	9 8.5	101	87.9	16.2	30.5	60.3	6.3	45.5	3770	31963
NK Brand NK0314-5122	103	C250	1,2,3,4	38.3	26.0	10.0	98	84.6	18.5	34.7	56.3	6.8	43.4 3	519 35	217 4	5.8 19	8.9	101	87.4	15.7	30.4	58.6	6.9	45.8	3741	33085
NK Brand NK0440-3122	104	C250	12,3,4	36.7	26.7	9.8	8	83.8	20.8	38.3	57.6	6.5	38.7 3.	445 33	823 4	5.9 17.	8.1		87.8	16.6	32.0	62.0	6.6	44.2	3739	30110
RENK RK621VT2P	103	AC C250	1,2	36.7	28.7	10.5 *	67	83.3	21.6	39.4	57.5	6.5	37.4 3.	406 35	862 4	5.5 18	8.5	. 96	87.5	16.6	32.1	61.0	5.9	44.7	3738	31758
RENK RK642VT2P	103	AC C250	1,2	35.1	30.5	10.7 *	95	81.6	23.3	41.8	56.0	6.1	34.9 3.	294 35	182 4	19 19	2 8.6	. 96	86.4	17.6	33.7	59.6	5.7	42.3	3663	31417
VIKIN G 0.69-01P	101	C250	Conv.	33.7	28.4	9.5	91	84.4	20.0	37.1	58.0	6.9	38.5 3.	490 33	252 4	3.1 17.	2 7.4	6/	86.9	17.9	34.1	61.6	6.6	41.5	3658	27057
VIKING 0.51-04P	104	C250	Conv.	32.8	28.1	92	91	82.9	21.2	38.5	55.3	6.1	37.0 3	391 31	217 4	5.7 17.	9 8.2	. 96	87.2	16.4	31.8	59.9	6.1	44.2	3723	30629
AVERAGE				36.8	27.7	10.2	8	83.5	20.8	38.1	56.7	6.4	38.9 3.	431 35	98 4	5.6 18.	1 8.3	26	87.1	17.0	32.4	60.1	6.2	43.7	3706	30853
HIGHEST				40.6	31.3	11.3	100	85.6	23.3	41.8	59.0	7.0	44.4 3	590 40	411 5	1.5 20	2 9.4	103	88.9	19.4	35.6	62.5	6.9	47.7	3820	34826
LOWEST				29.5	24.2	92	91	81.3	17.9	34.0	53.1	5.9	34.9 3.	278 31	217 3	9.7 15	5 7.4	79	84.7	14.8	28.8	57.0	5.7	40.0	3549	27057
CV (%)				7.1	8.2	0.0	ŝ	1.9	11.4	9.5	2.3	6.6	10.4	3	0	.3 9.	11.0	4	2.0	13.7	11.9	3.0	6.1	10.1	3	1
LSD (5%)				3.1	2.7	1.1	ŝ	1.9	2.8	4.3	1.5	0.8	4.8 1	41 4	690	.4 2	1.5	4	2.0	2.8	4.6	2.1	6.0	5.2	171	5944

** Highest Yelding Hybrid * Not Sgnficantly Different from Highest Yelding Hybrid -2 Year Averages Continued On Page 41.

TABLE 7L.

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

ZONE 2 - 3

| RM TRT TRMT TRMT TRMT NDM GTA DTA %5TD 105 C250 1/24 40.6 22.6 9.4 96 105 LUM 1/23,4 37.3 25.5 9.4 96 105 LUM 1/2,3,4 35.3 27.3 9.5 97 106 P500 1/2,6,4 35.3 27.3 9.5 97 112 P500 1/2,3,4 35.3 27.3 9.5 97 112 P500 1/2,3,4 36.0 2.61 9.3 109 97 112 P500 1/2,3,4 36.0 2.61 9.7 96 112 C250 1/2,3,4 37.3 2.4 91 101 113 C250 1/2,4,4 38.0 2.4 91 101 113 C250 1/2,3,4 37.3 2.4 90 101 107 P500 1/2,3,4 37.3
 | IVD ADF 85.8 18.5 85.8 18.5 85.8 18.5 86.5 18.5 86.5 18.5 86.5 18.5 86.5 18.5 86.1 17.3 86.5 18.6 85.3 19.5 85.3 19.5 85.3 19.1 85.2 19.1 85.2 19.1 85.2 19.1 85.3 19.2
85.3 19.2 85.3 19.2 85.3 19.2 85.3 18.7 85.3 18.7 85.3 18.7 85.3 18.7 85.3 20.9 85.7 16.5 85.3 16.5 | Monthange Monthange 35.5 96.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 60.1 35.5 99.0 35.5 99.0 35.5 99.0 35.5 90.0 35.5 61.0 35.5 61.0 35.5 61.0 35.5 61.0 35.5 61.0 35.5 61.0 35.5 86.1 35.5 86.1 35.5 86.1 36.1 86.1 35.4 86.1 35.5 86.1 35.4 86.1 35.4 86.1 35.4 86.1 35.4 86.1 35.4 86.1 35.4 86.6 <
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** Highest Yielding Hybrid * Not Significantly Different from Highest Yielding Hybrid

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108	8 8	500	,2,3,4	32.7	31.3	10.2 *	00	33.0 2	1.5 39	0.4 56.8	6.0	37.1	3395	34530	38.3	23.4	8.9 *	<u>1</u> 00	86.4	17.6	34.2	60.0	5.2 4	5 36	1 32714
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113	3 	250 1	,2,4,6	31.7	32.7	10.3 *	8	33.2 2	1.6 35	11 57.2	6.1	37.5	3413	35371	39.6	22.7	8.9 *	101	87.0	17.7	34.4	62.2	3.3 4	.7 369	6 32774
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108	8	SF 1,	2,3,4,6	32.8	32.0	10.5 *	8	33.6 2	0.5 37	.6 56.4	6.5	37.7	3446	36177	35.5	25.1	* 6.8	35	85.6	19.2	36.7	60.5	5.4 33	.6 355	6 32091
107	5	250	,2,3,4	33.0	29.8	9.8	ह	33.4 2	0.4 38	1.2 56.6	6.5	36.8	3427	33438	38.3	22.9	8.7 *	86	85.1	19.1	37.1	59.7	5.2 38	.1 356	4 31090
106	6 AC(2250	1,2,14	37.1	29.9	11.1 *	8	33.8 2	0.1 37	.3 56.7	5.9	40.6	3462	38366	43.4	18.8	8.6 *	88	86.6	17.4	33.9	60.4 (5.2 4	4 367	5 31809
107	7 ACC	2500	.2,4,6	32.3	30.6	9.9	35	32.7 2	1.5 39	13 55.9	6.4	36.6	3377	33622	41.3	21.4	8.9 *	%	87.2	16.0	31.8	59.8 (5.4 4	.5 372	6 32963
111	1 ACC	0.250	1,2,6	33.6	30.6	10.3 *	क्र	33.3 2	1.2 39	12 57.3	6.0	38.4	3412	35355	36.9	21.3	7.9	88	86.6	18.2	35.6	62.4	5.1 4	.0 36	7 28893
111	1 AO	2500 1	.2.3.4	29.1	33.6	9.8	35	31.1 2	4.2 43	19 56.9	6.7	29.9	3244	31644	37.5	22.1	8.3	92	85.3	19.7	38.0	61.2	3.1	.7 357	0 29441
106	8	250	Conv.	35.5	29.3	10.4 *	8	94.7 1	9.4 36	1 57.5	6.2	42.1	3518	36812	41.4	22.5	9.3 **	66	88.0	15.4	30.5	60.7	5.2 4	.8 377	7 35175
				33.6	31.5	10.6	26	33.5 2	0.8 38	3.4 57.1	6.3	38.1	3433	36457	39.3	22.2	8.7	26	86.5	17.8	35.0	61.3 (3.1 4	.7 36(1 31995
				37.1	34.5	11.5	101	36.3 2	4.2 44	10 59.0	6.9	43.8	3632	39558	43.4	25.1	9.3	101	88.0	20.2	39.4	64.9	3.6 4	.8 377	7 35175
				29.1	29.1	9.8	32	30.5 1	7.6 33	1.5 55.6	5.8	29.9	3212	31644	35.5	18.8	7.9	88	84.7	15.4	30.5	59.1	5.5 3.	.7 35	1 28893
				8.3	9.1	11.8	3	2.0 1	1.3 9	2 2.4	8.3	10.7	4	14	5.8	9.6	8.8	3	1.3	9.1	9.0	2.1	3.4 8	1 2	6
				3.3	3.4	1.5	4	2.0	2.8 4	2 1.6	0.6	4.8	149	9009	2.7	2.5	0.9	ŝ	1.3	1.9	3.8	1.6).5 4	0	3587
								코	on - Late										_	ngham - L	-ate				
2021 - 2020					YIELC	_			6	6 QUALITY			MIL	K 2006		γIEI	a				% QUALI	Tγ			AILK 2006
RM	M	RT 1	FRAIT	WD%	GT/A	DT/A %	STD	VD A	DF	DF NDFI	в С	STR	MK/T	MKA	WD%	GT/A	DT/A	%STD	٩N	ADF	NDF	(DFD	S	R MK	T MK/A
0 101	20 11	W	,2,3,4	33.3	31.1	10.3 *		35.3 1	9.1 37	.9 61.3	6.8	40.5	3547	36555	37.4	24.0	8.9 *		86.7 07.5	18.9	37.3	64.5	4 2.2	1 36	5 33561
501 N	55		+'0'7	22.3	4.10	C.UI		+.00	10 0.8		2.5	03.0	0000	04/00	0.10	0.42	7.6		01.0	0.71	1.00	2 1 2			1715 0
201 YOU	50	007	2,4,0,14	35.4	50.9	10.9		0.0	8.4 9.7	C'RC /'	0.0	41.4	3038	30449	35.7	24.4			80.9	10.4	3/.1	1.20	<u>0</u>	8	10215 0
10L	ĩ	n	,2,3,4	34.4	30./	c.01		/ 5	0.1 .0	1.0 56.4		41.8	3524	3/ Z15	30.0	R77	Q.			18.4	30.9	01.1	0.0	0.	2A/1/
106	6 AC(1,2,14	37.4	28.5	10.7 *		34.5 1	8.7 36	.3 58.3	6.9	42.0	3517	37447	41.8	19.4	8.4		85.7	17.7	34.7	59.5 (5.7 4	.7 36′	2 30246
111	1 AC(2500 1	,2,3,4	32.1	31.1	9.9		33.4 2	1.5 40	1.2 59.0	7.3	36.2	3420	33855	36.6	24.0	8.7 *		84.7	20.3	39.7	61.4 (5.7 30	.3 35'	9 30464
				34.2	30.6	10.4		34.7 1	9.2 37	.5 59.5	7.0	40.3	3518	36711	37.5	23.2	8.7		85.9	18.6	36.9	62.2	5.7 4	.0 36'	2 31563
				37.4	31.4	10.9		35.4 2	1.5 40	1.2 61.3	7.3	42.0	3558	38449	41.8	24.8	9.2		87.5	20.3	39.7	64.9 (3.8	.1 37	3 34126
				32.1	28.5	9.9		33.4 1	8.1 36	3 58.3	6.8	36.2	3420	33855	35.7	19.4	8.1		84.7	17.6	34.7	59.5 (3.6 31	.3 35'	9 29717
				7.5	7.1	9.1		2.0	9.2 7	.9 2.4	6.5	9.0	3	11	5.8	9.0	7.6		1.8	8.0	8.3	2.7 (3.0 7	6 3	8
			_	2.1	1.8	0.8		1.4	1.5 2	5 1.2	0.4	2.9	%	3245	1.9	1.7	0.6		1.3	1.2	2.5	1.4	.3 2	9	2120

Highest Vielding Hybrid
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IOSCO, OSCEOLA & PRESQUE ISLE COUNTY SILAGE TRIALS - EARLY (97 Dav and Earlier)

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								TF	IAL AVER	AGE					_					losco -	Early					
2021					Y	IELD				% QUAI	ПΥ			MILK 200(YIELD				%	QUALITY			MIL	K 2006
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	QN	ADF	NDF	NDFD (CP S	TR M	KIT M	VA %DI	I GT//	A DT/A	%ST	IVI) ADF	NDF	NDFC	CP	STR	MK/T	MK/A
DAIRYLAND SEED HIDF-3044Q	06	LUM	1,2,3,4	34.8	25.8	0:6	26	86.8	17.9	34.6	62.0 (5.4 4	2.2 36	572 33	36.7	24.7	7 8.9	66	87.	6 16.7	32.1	61.3	6.3	45.9	3733	33257
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	31.9	26.8	8.5	92	84.6	20.2	38.4	90.09	5.9 3.	7.1 35	18 29	33.8	24.0) 8.1	96 96	.98	0 18.4	35.0	59.9	6.9	42.1	3614	29184
DAIRYLAND SEED HIDF-3522Q	95	LUM	1,2,3,4	31.4	29.5	9.3 *	<u>93</u>	85.5	19.4	36.9	60.8	5.4 3	8.9	84 33	134 32.2	28.1	- 0.0 ⁺	, 96	88	3 18.5	34.4	60.2	6.9	41.2	3636	32647
DAIRYLAND SEED HIDF-3197RA	26	LUM	1,2,3,4	31.9	30.4	9.7 **	95	84.4	20.8	38.8	59.7 (5.8 3.	7.2 35	00 33	386 32.7	28.9	9.8 *	. 97	2	3 20.4	37.8	58.6	7.1	38.9	3495	30817
GOLDEN HARVEST G91V51-5222A	91	C250	1,2,3,4,6,1	32.4	27.2	8.8	92	85.6	18.5	35.1	59.1 (5.8 4	0.6 35	594 32/	162 33.(25.5	5 8.4 *	, 96	85.	9 17.7	33.1	57.5	6.8	44.3	3624	30297
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	33.1	28.6	9.4 *	92	84.1	20.0	37.5	57.6 (5.6 3	8.5 34	94 32	35.3	25.0	9.8	. 82	85.	0 18.0	33.7	55.4	6.6	44.1	3567	31461
LEGACY SEEDS LC413-20 3110	91	C250	1,2,4,6,14	1 32.0	27.4	8.7	93	85.1	18.9	35.4	58.1	5.8	9.2 35	59 31	117 34.6	26.4	1 9.1	** 91	85.	8 17.4	32.9	57.0	6.7	43.2	3622	32799
LEGACY SEEDS LC431-20 SSX	93	A500	1,2,3,4	33.2	25.5	8.5	8	86.0	19.0	36.7	61.8	7.2 3	8.8 36	00 30	157 33.9	24.3	8.2	83	<u>8</u>	4 17.9	34.4	60.3	7.4	41.9	3639	29970
LG SEEDS LG42C37-3110	92	OSF	1,2,4,6	32.3	26.0	8.4	25	85.4	18.7	35.4	58.9	5.7 3	9.9	72 30	135 33.6	26.5	5 9.0 *	, 94	98	0 17.9	33.7	58.2	6.5	43.9	3623	32440
LG SEEDS LG45C21-5122	95	OSF	1,2,3,4	34.1	26.5	9.0	93	85.7	18.8	36.2	60.5 (5.6 4	0.7 35	96 32	395 36.1	24.4	1 8.8	95	.98	0 17.6	33.6	58.3	6.5	45.1	3625	31996
AVERAGE				32.7	27.4	8.9	92	85.3	19.2	36.5	59.9 (5.7 30	9.3 35	69 31	34.7	25.6	3 8.7	93	85.	9 18.0	34.1	58.7	6.7	43.0	3618	31487
HIGHEST				34.8	30.4	9.7	97	80.8	20.8	38.8	62.0	7.2 4	2.2 36	72 33	36.3	28.1	9.1	66	87.	6 20.4	37.8	61.3	7.4	45.9	3733	33257
LOWEST				31.4	25.5	8.4	84	84.1	17.9	34.6	57.6 (5.4 3.	7.1 34	94 29	32.2	24.0	8.1	82	84.	3 16.7	32.1	55.4	6.3	38.9	3495	29184
CV (%)				6.5	9.2	9.8	7	1.9	11.8	9.5	2.3	5.3 1	0.0	3	1 7.6	7.3	8.0	9	1:	11.5	9.5	2.1	3.6	9.5	ŝ	6
LSD (5%)				1.4	1.7	9:0	4	1:	1.5	2.4	0.9	0.2 2	6	34 24	13 3.1	2.2	0.8	7	₩.	2.5	3.9	1.5	0.3	4.9	136	3505
				-																						
								TR	IAL AVER	AGE					_					losco -	Early					
2 Year Averages 2021 - 2020					Y	IELD				% QUAI	ΠY			MILK 200(YIELD				%	QUALITY			MIL	K 2006
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	2	ADF	NDF	NDFD (сР S	TR	ΨL W	VA %DI	N GT//	A DT/A	%ST	M) ADF	NDF	NDFI	CP (STR	MK/T	MK/A
DAIRYLAND SEED HIDF-3044Q	06	LUM	1,2,3,4	38.8	23.6	9.1		85.6	18.9	36.1	60.2 7	7.2 4	2.5 35	84 32	368 40.2	20.9	9 8.4 *		-98	4 18.3	35.5	61.7	7.4	43.0	3644	30999
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	36.2	24.8	8.8		83.3	22.0	39.5	20.02	7.3 3	6.8	90	70 38.8	21.3	8.1		<u>85</u>	1 21.4	37.4	61.0	7.5	37.7	3516	28431
DAIRYLAND SEED HIDF-3197RA	26	LUM	1,2,3,4	37.1	26.9	9.8 **		<u>84.</u> 1	20.8	39.6	60.3	7.5 3	7.6 34	62 33	225 38.9	23.3	8.9 *	z	25	5 20.6	39.0	61.1	7.8	37.6	3505	31063
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	35.8	24.6	8.6		83.5	20.4	37.7	57.1	7.5 3	8.9 34	40 29	574 37.6	20.6	3 7.6		8	2 17.9	34.3	58.4	7.7	43.1	3576	27132
AVERAGE				37.0	25.0	9.1		84.1	20.5	38.2	59.2	7.4 3	9.0 34	173 31/	134 38.9	21.5	5 8.2		.35	3 19.5	36.5	60.5	7.6	40.4	3560	29406
HIGHEST				38.8	26.9	9.8		85.6	22.0	39.6	60.3	7.5 4	2.5 35	84 33	225 40.2	23.3	8.9		<u>8</u>	4 21.4	39.0	61.7	7.8	43.1	3644	31063
LOWEST				35.8	23.6	8.6		83.3	18.9	36.1	57.1 7	7.2 30	6.8 34	04 29	574 37.6	20.6	3 7.6		84	5 17.9	34.3	58.4	7.4	37.6	3505	27132
CV (%)				6.7	8.3	9.3		2.1	10.5	8.8	2.8	5.1 9	9.6	4	0 7.1	6.6	7.4		2.0	9.6	8.3	2.6	4.3	7.9	ŝ	8
LSD (5%)				1.3	11	0.4		1.0	1.	1.8	0.9	0.2 2	0	37 16	07 2.2	1.3	0.5		1.4	1.5	2.4	1.3	0.3	2.7	92	1944

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

								Pre	sque Isle - I	Early					_					Missau	kee - Earl	Ā					
2021						YIELD				% QUA	LΠY			MILK 20(06 YI	0					0	% QUALIT	7		W	LK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	ß	ADF	ЫĞ	NDFD	e.	STR	WK/T N	AKA %	DM G	T/A DT	% V ,	STD	VD AI	Ъ	DF	FD CP	STR	MK/T	MK/A	
DAIRYLAND SEED HIDF-3044Q	66	LUM	1,2,3,4	36.0	28.7	10.3 *	100	85.4	19.1	36.8	60.3	6.3	40.4	3568 31	6852 3.	2.5 2	4.0	7.8 *	33 8	37.5 1;	7.9 31	5.0 64	.4 6.6	40.5	3713	28968	
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	31.4	31.0	9.7	92	82.1	23.2	43.4	58.7	6.4	32.0	3325 3.	2217 3.	0.7 2	5.3	7.8 *	88	35.9 15	9.1 3	6.8 61	5 7.4	37.2	3615	28184	
DAIRYLAND SEED HIDF-3522Q	35	LUM	1,2,3,4	31.8	33.3	10.6 *	%	84.0	21.1	39.7	59.7	0.0	36.8	3465 31	6621 3.	0.1 2	7.2	8.3 *	88	36.4 18	3.6 3.	6.5 62	6.6 6.5	38.8	3651	30135	
DAIRYLAND SEED HIDF-3197RA	16	LUM	1,2,3,4	32.8	33.9	11.1 **	93	84.3	20.6	39.3	0.09	6.7	36.8	3481 3(8644 3.	0.3 3	0.3	9.1 *	3	34.6 2;	1.5 3	9.3 60	1. 6.7	36.0	3524	32197	
GOLDEN HARVEST G91V51-5222A	91	C250	1,2,3,4,6,	14 32.6	31.4	10.3 *	93	83.8	20.8	38.7	58.0	6.8	36.7	3458 3;	5532 3	1.5 2	4.8	7.8 *	88	37.1 1.	7.2 3.	3.5 61	.8 6.9	41.0	3700	31558	
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	32.8	31.5	10.4 *	96	81.5	23.2	43.0	57.1	6.4	32.6	3298 3.	4146 3	1.3 2	9.2	9.2 **	3 16	35.7 18	3.9 3.	6.0 60	1.3 6.7	38.8	3616	33112	
LEGACY SEEDS LC413-20 3110	91	C250	1,2,4,6,1	4 30.8	30.6	9.4	%	82.4	22.7	40.8	56.8	6.8	33.6	3362 3	1436 3.	0.7 2	5.2	7.8 *	91	37.2 1t	5.6 3.	2.5 60	16 6.9	40.9	3693	28815	
LEGACY SEEDS LC431-20 SSX	<u> 8</u> 3	A500	1,2,3,4	32.7	28.6	9.4	88	84.3	20.7	39.6	60.4	7.1	35.7	3480 3.	2603 3.	3.1 2	3.8	7.9 *	81	37.2 18	3.3 3	6.2 64	1.7 7.1	39.0	3682	28797	
LG SEEDS LG42C37-3110	92	OSF	1,2,4,6	31.7	30.8	9.8	챵	84.7	19.3	36.3	57.8	6.8	39.9	3530 3,	4391 3	1.3 2	0.7	6.4	35	35.7 18	3.9 3.	6.2 60	16 6.9	36.0	3562	23574	
LG SEEDS LG45C21-5122	95	OSF	1,2,3,4	35.0	28.3	9.9	96	84.4	20.5	38.8	59.8	6.7	38.0	3495 3.	4503 3	1.2 2	6.9	8.4 *	88	36.7 18	3.2 3	6.3 63	1.3 6.8	38.9	3667	30687	
AVERAGE				32.7	30.8	10.1	25	83.7	21.1	39.6	58.9	6.6	36.2	3446 3-	4695 3	1.2 2	5.7	8.0	3 06	36.4 18	3.5 3.	5.8 62	0.6.8	38.7	3642	29603	
HIGHEST				36.0	33.9	11.1	100	85.4	23.2	43.4	60.4	7.1	40.4	3568 38	8644 3.	3.1 3	0.3	9.2	97 6	37.5 21	1.5 3	9.3 64	1 7.4	41.0	3713	33112	
LOWEST				30.8	28.3	9.4	88	81.5	19.1	36.3	56.8	6.0	32.0	3298 3	1436 3.	0.1 2	0.7	6.4	81	34.6 16	5.6 3.	2.5 60	13 6.5	36.0	3524	23574	
CV (%)				6.7	5.8	6.2	5	2.0	11.2	8.7	2.7	6.1	11.0	4	8	5.5	6.0	16.5	6	2.0 12	2.7 1(0.3 2	.1 6.0	12.2	4	16	
LSD (5%)				2.6	2.1	0.8	5	2.1	2.8	4.2	1.9	0.5	4.8	148 3	3188 2		5.0	1.6	9	2.0 2	80	1.5	.6 0.5	5.7	163	5798	
				-											-												
								Pre	sque Isle - I	Early										Missau	kee - Earl	٨					
2 Year Averages 2021 - 2020						YIELD				% QUA.	LΠY			MILK 20(90		YIELD		_		0	% QUALIT	٢		W	LK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	M	ADF	NDF	NDFD	СР	STR	WK/T N	AKA %	DM G	T/A DT/	% V.	STD	VD A	DF N	DF ND	FD CP	STR	MK/T	MK/A	
DAIRYLAND SEED HIDF-3044Q	06	LUM	1,2,3,4	37.4	26.3	9.9	-	84.9	19.5	36.7	58.8	6.9	42.0	3524 3.	4737												
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	33.5	28.4	9.4	_	81.6	22.6	41.6	57.1	7.0	36.0	3292 3	1709												
DAIRYLAND SEED HIDF-3197RA	26	LUM	1,2,3,4	35.3	30.5	10.7 **	-	83.6	21.0	40.3	59.4	7.2	37.6	3419 3.	5386												
GOLDEN HARVEST G95D32-3220	95	C250	1,2,4,6	34.0	28.6	9.7		81.9	22.9	41.1	55.9	7.3	34.6	3304 3.	2016				_								
AVERAGE				35.0	28.5	9.9		83.0	21.5	39.9	57.8	7.1	37.6	3385 3;	3462												
HIGHEST				37.4	30.5	10.7	_	84.9	22.9	41.6	59.4	7.3	42.0	3524 3;	5386												
LOWEST				33.5	26.3	9.4	-	81.6	19.5	36.7	55.9	6.9	34.6	3292 3	1709												
CV (%)				6.8	5.6	6.7		2.4	9.1	7.7	2.9	5.5	9.4	4	7												
LSD (5%)				1.9	1.4	9:0	1	1.7	1.6	2.5	1.4	0.3	2.9	111 2	2049												

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

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IOSCO, OSCEOLA & PRESQUE ISLE COUNTY SILAGE TRIALS - LATE (98 Day and Later)

	2006	MK/A	32669	30213	32022	33019	29357	31456	33019	29357	14	5634
	MILK	MK/T	3606	3554	3692	3594	3540	3597	3692	3540	ŝ	147
		STR	39.8	34.9	41.4	40.0	38.2	38.9	41.4	34.9	12.9	6.3
		ප	6.4	7.1	7.4	6.4	7.5	6.9	7.5	6.4	7.4	0.7
	ALITY	NDFD	61.1	62.7	61.7	59.5	60.2	61.0	62.7	59.5	2.2	1.7
ate	% QU	NDF	36.7	39.2	34.1	35.9	38.0	36.8	39.2	34.1	10.6	4.9
losco - L		ADF	19.0	20.4	17.5	18.9	19.7	19.1	20.4	17.5	12.2	2.9
		٩V	85.8	85.4	87.0	85.4	84.9	85.7	87.0	84.9	1:8	1.9
		%STD	93	88	95	26	93	93	26	88	6	#
	ELD	DT/A	10.0 **	7.8	8.7 *	9.2 *	8.3	8.8	10.0	7.8	14.2	1.6
	Y	GT/A	26.9	25.5	24.6	29.0	25.2	26.2	29.0	24.6	9.2	3.0
		WD%	37.6	30.5	35.3	31.8	32.9	33.6	37.6	30.5	15.6	6.6
	2006	MK/A	33653	27837	33258	34046	29376	31634	34046	27837	11	2411
	MILK	MK/T	3511	3418	3563	3560	3448	3500	3563	3418	4	86
		STR	35.6	31.3	36.5	36.9	33.6	34.8	36.9	31.3	13.2	3.2
		С	6.4	7.5	6.9	6.5	7.9	7.0	7.9	6.4	7.1	0.3
	ALITY	NDFD	60.7	61.2	62.1	60.4	60.2	6.09	62.1	60.2	1.9	0.8
ERAGE	% QU	NDF	39.1	41.9	38.9	37.5	40.6	39.6	41.9	37.5	9.2	2.5
TRIAL AV		ADF	20.6	22.2	20.0	19.9	21.0	20.7	22.2	19.9	10.7	1.5
		۵N	84.6	83.8	85.3	85.1	83.8	84.5	85.3	83.8	1.7	1.0
		%STD	94	81	95	96	95	92	96	81	15	10
	ELD	DT/A	9.3 *	8.1	9.3 *	a.6 **	8.5	0.0	9.6	8.1	8.6	0.5
	11	GT/A	31.0	27.6	28.3	31.9	28.0	29.3	31.9	27.6	7.5	1.5
		WD%	32.3	29.3	33.0	30.1	30.5	31.0	33.0	29.3	6.8	1.4
		TRAIT	1,2	1,2,3,4	1,2	1,2	1,2,3,4,6					
		TRT	P500	C250	P500	P500	OSF					
		RM	100	104	86	100	100					
	2021	BRAND / HYBRID	DYNAGRO D40VC41	GOLDEN HARVEST G04S19-3122	LEGACY SEEDS LC484-20 VT2PR	LEGACY SEEDS LC-4248VT2PR	LG SEEDS LG50C93-5222	AVERAGE	HIGHEST	LOWEST	CV (%)	LSD (5%)

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

2 Year Average Not Available - No Repeating Hybrids

								Pres	the Isle - I	-ate									N	ssaukee - L	ate						
2021					М	ELD				% QUAL	Γ			MILK 200	9		YIELD				%	QUALITY			MILK	2006	
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	ß	ADF	NDF	NDFD	е.	STR M	(T M	K/A %	U Cl	IA D.	ria %S	2 2	D ADF	IQ .	NDFI	Сb	STR	MK/T	MK/A	
DYNAGRO D40VC41	100	P500	1,2	29.8	36.2	10.8 **	26	82.8	22.4	40.8	57.9	6.1	4.6 33	88 36	530 29	4	12 61	6 * (8	3 20.4	39.6	63.0	6.8	32.5	3538	31761	
GOLDEN HARVEST G04S19-3122	104	C250	1,2,3,4	29.0	35.9	10.4 *	78	83.1	22.5	40.8	58.4	7.2 3	33.7 33	97 35	208 28	.4 21	.3 6.	6		0 23.7	45.6	62.6	8.1	25.1	3303	18090	
LEGACY SEEDS LC484-20 VT2PTR	88	P500	1,2	33.2	32.2	10.7 *	96	85.3	19.5	37.4	60.7	6.9	8.5 35	54 37	875 30	.7 28	8.2	* 2	3	8 23.0	45.2	64.0	6.5	29.7	3443	29876	
LEGACY SEEDS LC-4248 VT2PR	100	P500	1,2	29.5	36.3	10.7 *	95	84.0	21.2	38.7	58.7	6.4 3	96.2 34	72 37	158 29	.0	.5 8.9		58	9 19.5	38.(63.0	6.8	34.7	3614	31959	
LG SEEDS L G50C93-5222	100	OSF	1,2,3,4,6	30.8	32.3	9.9	97	82.5	22.2	41.9	58.3	7.4 3	3.5 33	56 33	259 27	.8 26	5 7.4	1* 9	8	2 21.3	41.8	62.1	8.7	29.1	3446	25511	
AVERAGE				30.5	34.6	10.5	06	83.5	21.6	39.9	58.8	6.8 3	5.3 34	34 36	006 29	.1 27	.3 7.	6	75	4 21.6	42.	62.9	7.4	30.2	3469	27440	
HIGHEST				33.2	36.3	10.8	67	85.3	22.5	41.9	60.7	7.4 3	8.5 35	54 37	875 30	.7 30	1.5 8.9	6	35	9 23.7	45.6	64.0	8.7	34.7	3614	31959	
LOWEST				29.0	32.2	6.6	25	82.5	19.5	37.4	57.9	6.1	33.5 33	56 33	259 27	.8 21	.3	6	8	0 19.5	38.(62.1	6.5	25.1	3303	18090	
CV (%)				4.4	6.4	6.4	25	1.7	10.8	8.9	1.4	4.5 1	3.0	~	9 5	1 10	5 27.5	9	÷	5 9.2	8.3	1.9	8.4	15.1	4	6	
LSD (5%)				1.7	2.8	0.8	29	1.8	2.9	4.5	1:	0.4	5.8	40	1 1	9	6 2.0	-	÷	7 2.5	4.4	1.5	0.8	5.8	179	3290	

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

2 Year Average Not Available - No Repeating Hybrids

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

ZONE 2/3

								Early - 1	RIAL AVEF	ZAGE									_	Ottawa - Ear	rly				
2 Year Averages 2021 - 2020					١٨	ELD				% QUALIT	٢		4	11LK 2006			YIELD				% QUAL	۲II.			MILK 2006
BRAND/HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	ND,	ADF	NDF NI	DFD C	P ST	RK/	T MK/A	WD%	GT/A	DT/A	%STD	IVD	ADF	NDF	NDFD	CP S	R MK	Π MK/A
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	44.4	19.6			86.1	17.5 .	34.3 5	9.4 7.	.3 43.	9 361:	9 30888	48.1	19.8	92		86.5	16.8	32.7	58.9	4 LL	.1 36	2 3339
DAIRYLAND SEED HIDF-3197RA	26	LUM	1,2,3,4	45	20.8	* 0.6		85.9	19.0	36.4 6	1.0 7.	.2 42.	0 362	2 32526	48.7	20.4	* 9.6		85.5	19.2	36.4	59.1	7.6 42	.8 35	7 34815
DAIRYLAND SEED HDF-3099RA	66	LUM	1,2,3,4	41.1	22.9	9.1 *		84.4	19.2 ,	37.1 5	8.4 7.	.1 40.	2 351.	2 31463	48.2	21.5	* 6.6		85.1	18.4	35.3	58.0	72 4	.6 35	6 34465
DAIRYLAND SEED HDF-3802Q	102	LUM	1,2,3,4	36.8	25.0	9.1 *		86.1	18.6	36.3 6.	2.4 7.	.2 41.	0 361	8 32790	41.2	25.3	10.2 **		85.9	18.9	37.4	62.2	72 4	.8 35	6 36332
GOLDEN HARVEST G02K39-3120	102	C250	1,2,4	41.0	22.5	9.1 *		86.5	17.6	34.5 6	1.9 7.	2 43.	3 364	1 32887	44.1	22.4	9.7 *		86.7	17.0	33.9	60.7	72 4	2 36	9 35298
GOLDEN HARVEST G04S19-3122	104	C250	1,2,3,4	40.3	23.7	9.4 **		85.8	18.7	36.6 6	1.8 6.	.9 41.	4 358	7 33415	44.2	23.2	10.1 *		85.7	19.6	36.7	59.9	72 4	.9 35	1 3588
LEGACY SEED SLC-5217 VT2P	103	P250	1,2	41.5	23.2	9.4 **		85.4	18.0	36.6 6	.0.5 6.	.7 42.	9 357.	4 33402	45.2	22.6	9.8 *		84.8	19.3	36.7	58.8	6.7 4.	.5 35.	4 34330
NK Brand NK9991-5122	66	C250	1,2,3,4	41.8	22.2			86.4	17.8 .	35.0 6	1.1 7.	.3 43.	6 363.	7 32716	46.9	22.0	9.8 *		85.7	19.5	36.9	59.9	72 4.	.0 35	34650
NK Brand NK0440-3122	104	C250	12,3,4	39.9	23.6	9.3 *		86.3	18.3	36.0 6	2.6 7.	.2 41.	9 362.	7 33724	42.3	24.4	10.1 *		85.6	18.0	34.8	60.3	7.3 4	.6 35	0 36028
RENK RK621VT2P	103	ACC250	1,2	41.3	22.3	9.1 *		86.0	17.9 .	35.4 6	0.7 6.	.8 42.	5 362.	4 32736	42.8	21.8	9.3		85.6	17.8	34.9	58.7	6.8 4	.0 35	11 33314
RENK RK642VT2P	103	ACC250	1,2	40.9	23.1	92 *		85.3	18.6	36.4 5	9.6 6.	7 41.	8 356.	5 32546	44.7	23.0	9.8 *		85.5	18.0	34.9	58.6	6.6 4/	.0 35	17 35038
AVERAGE				41.2	22.6	92	-	85.8	18.3	35.9 6	0.8 7.	.1 42.	2 360.	2 32645	45.1	22.4	9.8		85.7	18.4	35.5	59.6	72 4	.0 35	934866
HIGHEST				44.5	25.0	9.4		86.5	19.2 ,	37.1 6.	2.6 7.	.3 43.	9 364	1 33724	48.7	25.3	10.2		86.7	19.6	37.4	62.2	7.7 4	.1 36	9 36332
LOWEST				36.8	19.6	9.0		84.4	17.5	34.3 5.	8.4 6.	.7 40.	2 351.	2 30888	41.2	19.8	92		84.8	16.8	32.7	58.0	6.6 4	.8 35.	4 33314
CV (%)				1.7	8.2	9.1		2.1	11.0	9.3	3.6 6.	5 81	3	6	8.4	8.9	8.6		2.1	11.1	9.3	2.6	52 8	1 3	6
LSD (5%)			-	1.5	6.0	0.4		0.8	1.0	1.6	1.0 0.	.2 1.	53	1375	32	1.5	0.7		1.5	1.7	2.7	1.3	0.3 3	0	2484

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

- 2 Year Averages Continued on on page 42.

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

ZONE 2/3

								Hur	on - Early											ngham - Ea	rly					1
2 Year Averages 2021 - 2020					YIEI	D				% QUALITY			MI	.K 2006			YIELD				% QUAL	TΥ			MILK 2006	
BRAND / HYBRID	RM	TRT	TRAIT	WD%	GT/A	DT/A	%STD	ND A	DF N	DF ND	-D CP	STR	MK/T	MK/A	MO%	GT/A	DT/A	%STD	QVI	ADF	NDF	NDFD	CP	TR M	(it mk	A.
DAIRYLAND SEED DS-3162Q	91	LUM	1,2,3,4	39.4	22.8	9.1		35.1 1 _k	5.8 3t	5.9 59.	4 7.4	41.6	3559	32204	45.7	16.2	7.4 *		86.7	16.8	33.2	0.08	6.9 4	4.0 3(65 270	63
DAIRYLAND SEED HIDF-3197RA	67	LUM	1,2,3,4	41.4	23.0	9.5 *		36.4 16	3.6 3.	5.2 62,	6.9	43.4	3628	34509	43.5	18.9	8.0 *		85.9	19.3	36.5	61.4	7.1 3	9.7 3(69 282	52
DAIRYLAND SEED HIDF-3099RA	66	LUM	1,2,3,4	36.3	27.0	9.8 *		33.1 21).1 3.	9.0 58.	0 7.0	38.0	3433	32960	38.8	20.1	7.6 *		84.9	19.1	37.1	59.4	6.9	8.9 3.	47 269	65
DAIRYLAND SEED HIDF-3802Q	102	LUM	1,2,3,4	32.1	29.9	9.6 *		35.0 15	9.5 3,	7.5 61.	9 7.1	40.1	3552	35469	37.3	19.8	7.4 *		87.4	17.4	34.0	63.1	72 4	1.2 3.	16 265	20
GOLDEN HARVEST G02K39-3120	102	C250	12,4	37.8	26.9	10.2 **		35.9 1	3.3 36	5.6 62,	8 7.2	41.4	3576	35389	41.0	18.1	7.4 *		87.0	16.5	33.0	62.1	7.1 4	3.4 36	87 275	73
GOLDEN HARVEST G04S19-3122	104	C250	1,2,3,4	37.6	26.3	9.9 *		34.9 1	9.1 3.	3.9 62.	5 6.7	39.5	3522	33894	39.2	21.6	8.3 **		86.7	17.4	34.2	62.9	6.8 4	1.6 3(58 304	67
LEGACY SEEDS LC-5217 VT2P	103	P250	1,2	36.7	27.5	10.1 *		35.3 1.	7.8 3.	5.7 61,	3 6.7	42.6	3569	35744	42.6	19.5	8.3 **		86.1	16.9	36.3	61.3	6.7 /	2.5 3(21 301	22
NK Brand NK9991-5122	66	C250	1,2,3,4	38.2	25.8	* 6.6		37.0 1t	5.6 3-	4.2 62.	1 7.5	45.4	3689	36325	40.4	18.8	7.5 *		86.4	17.4	33.9	61.3	7.3 4	1.6 3(57 271	22
NK Brand NK0440-3122	104	C250	1,2,3,4	37.3	26.5	* 6.6		36.1 1	9.0 3,	7.9 63.	4 7.1	40.6	3606	35694	40.1	20.0	7.8 *		87.1	17.7	35.1	64.2	72 4	0.5 3(84 294	49
RENK RK621VT2P	103	ACC250	1,2	38.8	26.2	10.1 *		35.3 15	9.2 3,	7.7 61.	1 6.9	41.2	3567	36001	42.3	18.9	7.9 *		87.3	16.6	33.6	62.3	6.8 4	2.3 3.	13 289	00
RENK RK642VT2P	103	ACC250	1,2	37.1	27.2	10.0 *		34.4 2	1.3 41	9.1 59.	4 6.8	38.5	3469	34648	40.9	19.3	7.8 *		86.2	16.4	34.2	60.8	6.9 4	2.0 3(44 279	21
AVERAGE				37.5	26.3	9.8		35.3 1	9.0 3.	7.4 61,	3 7.0	41.2	3561	34803	41.1	19.2	7.8		86.5	17.4	34.6	61.7	7.0 4	1.6 3(60 282	62
HIGHEST				41.4	29.9	10.2		37.0 2	1.3 41	9.1 63.	4 7.5	45.4	3689	36325	45.7	21.6	8.3		87.4	19.3	37.1	64.2	7.3 4	4.0 3.	16 304	67
LOWEST				32.1	22.8	9.1		33.1 11	5.6 3-	4.2 58,	0 6.7	38.0	3433	32204	37.3	16.2	7.4		84.9	16.4	33.0	59.4	6.7 3	8.9 3!	47 265	0/
CV (%)				6.4	6.7	8.1		2.1 5	8	3.2 4.	1 7.8	8.5	3	8	7.5	9.3	9.4		2.0	10.6	9.4	2.9	6.1	3.4	°,	_
LSD(5%)				2.0	1.5	0.7		1.4 1	.7 9	2.6 2.1	9 0.4	2.9	32	2448	3.8	2.1	6.0		1.5	1.5	2.7	1.5	0.3	2.9	33	ଷ

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

Notes

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THANK YOU TO OUR FARM COOPERATORS:

ZONE 1

George Brossman, Vandalia OSU NW Experiment Station, Matt Davis & Richard Minyo Hoytville, Ohio Kyle Huff, Coldwater Tim Stutzman, Senica

ZONE 2

Adam Geertman, West Olive Peggy Gross & Dick Birchmeier, New Lothrup MSU Agronomy Farm, Mike Particka and John Calogero, East Lansing

ZONE 3

Scott Karnatzs, Greenville Ron, Ed and Chris McCrea, Bad Axe Robert Oshe, Custer

ZONE 4

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