A3653

Wisconsin Corn Hybrid Performance Trials

Grain • Silage • Specialty • Organic

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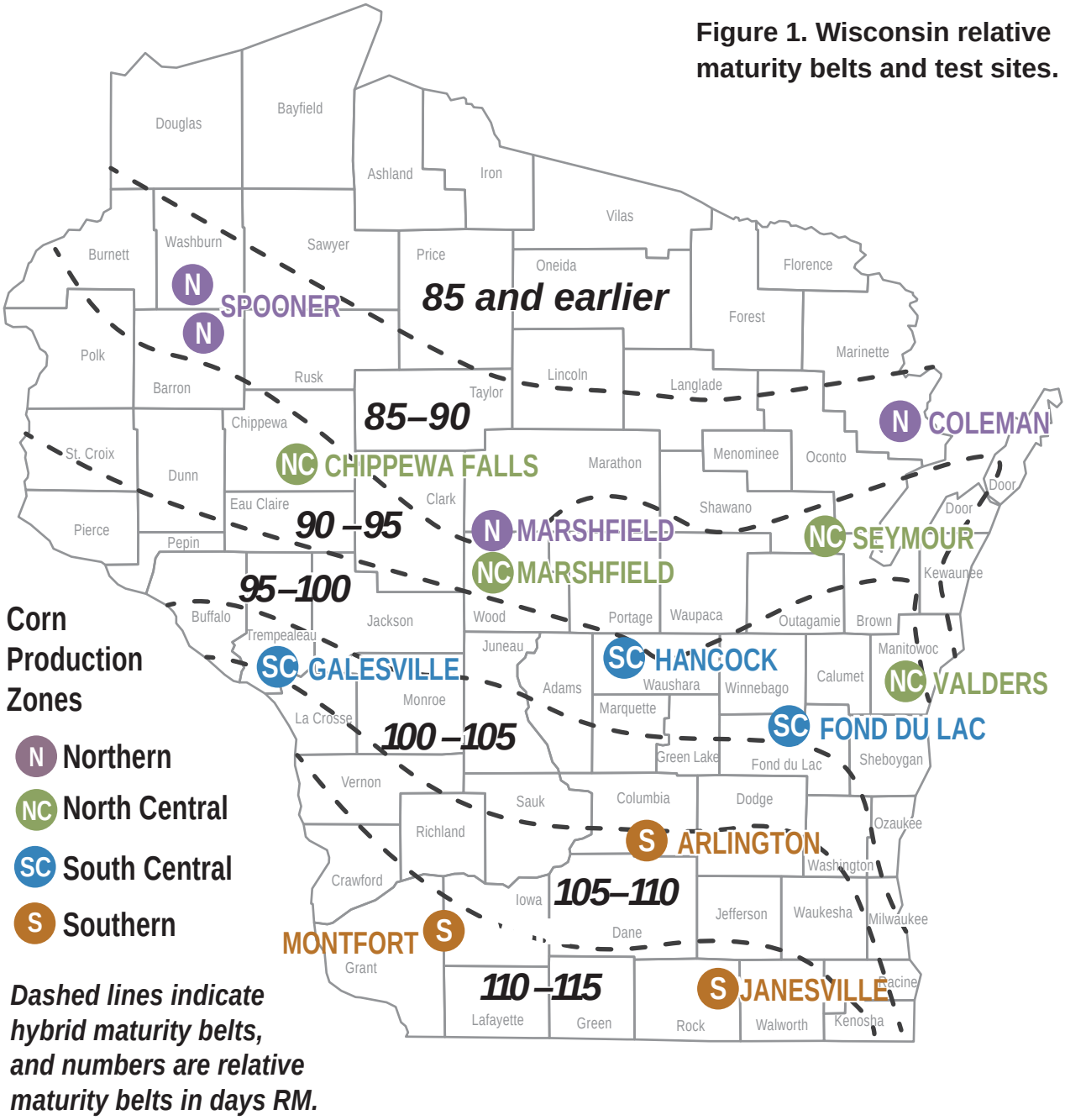

Trait references

References to transgenic traits in this publication are for your convenience and are not an endorsement or criticism of one trait over other similar traits. Every attempt was made to ensure accuracy of traits in the hybrids tested. You are responsible for using traits according to the current label directions of seed companies. Follow directions exactly to protect the environment and people from misuse. Failure to do so violates the law.

INTRODUCTION

Every year, the University of Wisconsin-Extension and the University of Wisconsin–Madison College of Agricultural and Life Sciences conduct a corn evaluation program in cooperation with the Wisconsin Crop Improvement Association. The purpose of this program is to provide unbiased performance comparisons of hybrid seed corn for both grain and silage available in Wisconsin.

In 2020, grain and silage performance trials were planted at 14 locations in four production zones: the southern, south central, north central, and northern zones. Both seed companies and university researchers submitted hybrids. Companies with hybrids included in the 2020 trials are listed in Table 1. Specific hybrids and where they were tested are shown in Table 2. A summary of the transgenic traits tested in 2020 is shown in Table 3. A summary of seed treatment performance in 2020 is shown in Table 4. In the back of the report, hybrids tested over the past three years are listed in Table 23. At most locations, trials were divided into early- and late-maturity trials based on the hybrid relative maturities provided by the companies. The specific relative maturities separating early- and late-trials are listed in the tables.

Growing Conditions For 2020

Seasonal precipitation and temperature at the trial sites are shown in Table 5. The 2020 growing season was average at most sites for temperature and precipitation compared to the 30-year normal. Scattered drought affected northeastern Wisconsin and the trials at Seymour and Coleman. Planting progress was typical of previous seasons. Most trial plots were established by early May. Stand establishment was good to excellent at all locations. In southern Wisconsin, a high wind event occurred in early July, before brace root formation, resulting in extensive lodging at Arlington and Montfort that ultimately affected combine harvest and corn yield. Pollination conditions were above average and ear size was longer than normal. A light frost in early September killed the upper leaves in northern Wisconsin. The fall killing frost was later than normal. In southern Wisconsin, grain moisture was higher than normal and slower to dry down. Little disease and insect pressure were observed in most trials.

Cultural Practices

The seedbed at each location was prepared by either conventional or conservation tillage methods. Seed treatments of hybrids entered into the trials are described in Table 4. Fertilizer was applied as recommended by soil tests. Herbicides were applied for weed control and supplemented with cultivation when necessary. Corn rootworm insecticide was applied in all trials. Information on cultural practices for each location is summarized in Table 6.

Planting

A precision vacuum corn planter using GIS technology was used at all locations except Spooner. Two-row plots, 25 feet long, were planted at all locations. Plots were not hand-thinned. Each hybrid was grown in at least three separate plots (replicates) at each location to account for field variability.

Harvesting

Grain: Two-row plots were harvested with a self-propelled corn combine. Lodged plants and/or broken stalks were counted, plot grain weights and moisture contents

were measured, and yields were calculated and adjusted to 15.5% moisture. Test weight was measured on each plot.

Silage: Whole plant (silage) plots were harvested using a tractor-driven, three-point mounted one-row chopper. One row was analyzed for whole-plant yield and quality. Plot weight and moisture content were measured, and yields were adjusted to tons of dry matter per acre. A sub-sample was collected and analyzed using near infrared spectroscopy.

PRESENTATION OF DATA

Yield results for individual location trials and for multi-location averages are listed in Tables 7 through 22. Within each trial, hybrids are ranked by moisture averaged over all trials conducted in that zone during 2020. Yield data for both 2019 and 2020 are provided if the hybrid was entered in both years. Starting in 2009, a nearest neighbor analysis of variance for all trials as described by Yang et al. (2004, Crop Science 44:49–55) and Smith and Casler (2004, Crop Science 44:56–62) is included. A hybrid index (Table 2) lists relative maturity ratings, specialty traits, seed treatments, and production zones tested for each hybrid.

Relative maturity

Seed companies use different methods and standards to classify or rate the maturity of corn hybrids. To provide corn producers a "standard" maturity comparison for the hybrids evaluated, the average grain or silage moisture of all hybrids rated by the company's relative maturity rating system are shown in each table as shaded rows. In these Wisconsin results tables, hybrids with lower moisture than a particular relative maturity average are likely to be earlier than that relative maturity, while those with higher grain moisture are most likely later in relative maturity. Company relative maturity ratings are rounded to 5-day increments.

The Wisconsin Relative Maturity rating system for grain (GRM) and silage (SRM) compares the harvest moisture of a grain or silage hybrid to the average moisture of company ratings using linear regression. Each hybrid is rated within the trial and averaged over all trials in a zone. Maturity ratings (company, GRM, and SRM) can be found in Table 2.

Grain performance index

Three factors—yield, moisture, and standability—are of primary importance in evaluating and selecting corn hybrids. A performance index (PI), which combines these factors in one number, was calculated for multi-location averages for grain trials. This index evaluates yield, moisture, and lodged stalks at a 50 (yield): 35 (moisture): 15 (lodged stalks) ratio.

The PI was computed by converting the yield, moisture (dry matter), and upright stalk values of each hybrid to a percentage of the test average. Then the PI for each hybrid that appears in the tables was calculated as follows:

Performance Index (PI) =
[(Yield x 0.50) + (Dry matter x 0.35) +
(Upright stalks x 0.15)] / 100

Silage performance index

Corn silage quality was analyzed using near infrared spectroscopy equations derived from previous work. Plot samples were dried, ground, and analyzed for crude protein (CP), acid detergent fiber (ADF), neutral detergent fiber (NDF), in-vitro cell wall digestibility (NDFD), in-vitro digestibility (IVD), and starch. Spectral groups and outliers were checked using wet chemistry analysis.

The **MILK2006** silage performance indices, milk per ton and milk per acre, were calculated using an adaptation by Randy Shaver (UW–Madison Department of Dairy Science) of the MILK91 model (Undersander, Howard, and Shaver; Journal Production Agriculture 6:231–235). In MILK2006, the energy content of corn silage was estimated using a modification of a published summative energy equation (Weiss and coworkers, 1992; Animal Feed Science Technology 39:95–110). In the modified summative equation, CP, fat, NDF, starch, and sugar plus organic acid fractions were included along with their corresponding total-tract digestibility coefficients for estimating the energy content of corn silage. Whole-plant dry matter content was normalized to 35% for all hybrids. The sample lab measure of NDFD was used for the NDF digestibility coefficient. Digestibility coefficients used for the CP, fat, and sugar plus organic acid fractions were constants. Dry matter intake was estimated using NDF and NDFD content assuming a 1,350-pound cow consuming a 30% NDF diet. Using National Research Council (NRC, 2001) energy requirements, the intake of energy from corn silage was converted to expected **milk per ton**. **Milk per acre** was calculated using milk per ton and dry matter yield per acre estimates (Schwab, Shaver, Lauer, and Coors, 2003; Animal Feed and Science Technology 109:1–18).

Least significant difference

Variations in yield and other characteristics occur because of variations in soil and growing conditions that lower the precision of the results. Statistical analysis makes it possible to determine, with known probabilities of error, whether a difference is real or whether it might have occurred by chance. Use the appropriate least significant difference (LSD) value at the bottom of the tables to determine true differences.

Least significant differences at the 10% level of probability are shown. Where the difference between two selected hybrids within a column is greater than or equal to the LSD value at the bottom of the column, you can be sure in nine out of ten cases that there is a real difference between the two hybrid averages. If the difference is less than the LSD value, the difference may still be real, but the experiment has produced no evidence of real differences. Hybrids that were not significantly lower in performance than the highest hybrid in a particular test are indicated with an asterisk (*).

HOW TO USE THE RESULTS

The results provide you with an independent, objective evaluation of the performance of unfamiliar hybrids that seed company sales representatives are promoting, as well as a comparison of these unfamiliar hybrids with competitive hybrids. Below are suggested steps to follow for selecting top performing hybrids for next year using these trial results:

1. **Use multi-location average data in shaded areas.** Consider single location results with extreme caution.
2. Begin with trials in the zone(s) nearest you.

3. Compare hybrids with similar maturities within a trial. You will need to divide most trials into at least two and sometimes three groups with similar average harvest moisture—within about a 2% range in moisture.

4. Make a list of five to 10 hybrids with highest 2019 performance index within each maturity group within a trial.

5. **Evaluate the consistency of the performance of the hybrids on your list** over the years and in other zones.

    a. Scan the 2020 results. **Be wary** of any hybrids on your list that had a 2020 PI of 100 or lower. Choose two or three of the remaining hybrids that have relatively high PIs for **both** 2020 and 2019.

    b. Check to see if the hybrids you have chosen were **entered in other zones.** For example, some hybrids entered in the Southern Zone Trials, Tables 7 and 8, are also entered in the South Central Zone Trials, Tables 9 and 10.

    c. **Be wary** of any hybrids with a PI of 100 or lower for 2020 or 2019 in any other zones.

6. Repeat this procedure with about three maturity groups to select top-performing hybrids with a range in maturity in order to spread weather risks and harvest time.

7. Observe the relative performance of the hybrids you have chosen based on these trial results in several other reliable, unbiased trials and be wary of any with inconsistent performance.

8. Consider including the hybrids you have chosen in your own test plot, primarily to evaluate the way hybrids stand after maturity, dry-down rate, grain quality, or ease of combine shelling or picking.

9. Remember that you don't know what weather conditions (rainfall, temperature) will be like next year. Therefore, the most reliable way to choose hybrids with greatest chance to perform best next year on your farm is to consider performance in both 2020 and 2019 over a wide range of locations and climatic conditions.

Note: You are taking a tremendous gamble if you make hybrid selection decisions based on 2020 yield comparisons in only one or two local test plots.

FOR MORE INFORMATION

Current and past versions of *Wisconsin Corn Hybrid Performance Trials* (A3653) are available in Microsoft Excel and Acrobat PDF formats at the Wisconsin Corn Agronomy website: corn.agronomy.wisc.edu. To obtain a printed copy, visit UW-Extension's Learning Store at learningstore.uwex.edu, where the most current version of *Wisconsin Corn Hybrid Performance Trials* (A3653) can be ordered or downloaded. For more information on the Wisconsin Crop Improvement Association, visit: wcia.wisc.edu.

Table 1. Companies included in the 2020 trials.

Brand	Company	Address	City	State	Zip	Website
AgriGold	AgriGold Hybrids	5381 Akin Road	St. Francisville	IL	62460	agrigold.com
Augusta	Augusta Seed Corporation	P.O. Box 899	Verona	VA	24482	augustaseed.com
Beck's	Beck's Hybrids	6767 E. 276th Street	Atlanta	IN	46031	beckshybrids.com
Blue River Organic	Blue River Organic Seed	2326 230th Street	Ames	IA	50014	blueriverorgseed.com
Brunner	Brunner Seed, Inc	W3850 US HWY 10	Durand	WI	54736	brunnerseed.com
Channel	Channel	26011 Gladiola Lane	Lanesboro	MN	55949	channel.com
Cornelius	Cornelius Seed	14760 317th Ave	Bellevue	IA	52031	CorneliusSeed.com
Croplan	Winfield Solutions, LLC	P.O. Box 64589	St. Paul	MN	55164	winfield.com
Dairyland	Dairyland Seed	P.O. Box 958	West Bend	WI	53095	dairylandseed.com
Dekalb	Monsanto	800 N. Lindberg Blvd	St. Louis	MO	63141	monsanto.com
DuPont Pioneer	Pioneer Hi-Bred Int'l, Inc	P.O. Box 1100	Johnston	IA	50131	pioneer.com
Federal Hybrids	Federal Hybrids	209 3rd St.NE	West Bend	IA	50597	federalhybrids.com
Foundation Direct	Foundation Direct Seeds	634 13th Avenue North	Onalaska	WI	54650	foundationorganicseed.com
Foundation Organic	Foundation Organic Seeds	634 13th Avenue North	Onalaska	WI	54650	foundationorganicseed.com
Frontiersmen	Frontiersmen Inc.	210 North Third Street	Kentland	IN	47951	frontiersmen.ag
Golden Harvest	Golden Harvest Seeds	2001 Butterfield Road	Downers Grove	IL	60515	GoldenHarvestSeeds.com
Hi Fidelity	Hi Fidelity Genetics	326 West Geer Street	Durham	NC	27701	hifidelity.genetics.com
FS InVISION	Growmark, Inc	1701 Towanda Ave	Bloomington	IL	61701	fsseeds.com
Jung	Jung Seed Genetics, Inc	800 N. Lindberg Blvd	St. Louis	MO	63141	jungseedgentics.com
Latham	Latham Hi Tech Seed	131 180th Street	Alexander	IA	50420	lathamseeds.com
Legacy Seeds	Legacy Seeds, Inc	P.O. Box 68	Scandinavia	WI	54977	legacyseeds.com
Legend Seeds	Legend Seeds	P.O. Box 241	De Smet	SD	57231	legendseeds.net
LG Seeds	LG Seeds	1122 E 169th Street	Westfield	IN	46074	lgseeds.com
Masters Choice	Masters Choice, Inc	305 West Vienna Street	Anna	IL	62906	seedcorn.com
Mycogen	Mycogen Seeds	9330 Zionsville Rd	Indianapolis	IN	46268	mycogen.com
NK Brand	NK Seeds	2001 Butterfield Road	Downers Grove	IL	60515	syngenta-us.com/seeds/nk.com
O'Brien	O'Brien Farms, Inc	552 Glenway Road	Brooklyn	WI	53521	obrienhybrids.com
Power Plus	Burrus Bros and AssocGrowers	206 N Hughes Rd	Woodstock	IL	60098	burrusseed.com
Prairie Hybrids	Prairie Hybrids Seeds	27445 Hurd Road	Deer Grove	IL	61243	prairiehybrids.com
ProHarvest	Brunner Seed, Inc	W 3850 HWY 10	Durand	WI	54736	brunnerseeds.com
Project Seeds	Project Seeds	634 13th Avenue North	Onalaska	WI	54650	foundationorganicseed.com
Renk	Renk Seed Co.	6809 Wilburn Road	Sun Prairie	WI	53590	renkseed.com
Spectrum	Spectrum Seeds	4105 East 200 South	Lafayette	IN	47905	spectrumseed.com
Thunder Seed	Thunder Seed	806 Center Ave West	Dilworth	MN	56529	thunderseed.com
Tracy Seeds	Tracy Seeds, LLC	1805 S. State RD 140	Janesville	WI	53546	tracyseeds.com
Viking	Albert Lea Seed	P.O. Box 127	Albert Lea	MN	56007	alseed.com
Wyffels	Wyffels Hybrid	13344 US HWY 6	Geneseo	IL	61254	wyffels.com

Table 2. Corn hybrids included in the 2020 trials. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or MILK2006) in one or more zones.

Brand / Hybrid	Technology: Traits †	Maturity Co.	Maturity GRM	Maturity SRM	Seed Trt ‡	Tables
AgriGold						
A619-75-3120EZ	70: CB,LL,RR	89	91		228	11
*A622-65	1: None	92	91		228	11*
A626-08STX	23: CB,LL,RR,RW	96	98	99	53	9,12,18
A627-83VT2RIB	50: CB,RR	97	98		53	9
*A628-16VT2RIB	50: CB,RR	98	99		53	9*
A629-93	1: None	99	99		228	9
*A630-10STX	23: CB,LL,RR,RW	100	99	101	53	9*,16*,18*
A630-31VT2RIBD1	68: CB,DT,RR	100	99		53	9
*A632-35-5222EZ	58: CB,LL,RR,RW	102	104	102	228	7*,10,16
*A633-14VT2PRO	21: CB,RR	103	104	104	53	7,16*
*A634-93	1: None	104	104	104	228	7*,16*
*A635-54VT2RIB	50: CB,RR	105	104	102	53	7*,16*
*A636-11STXRIB	49: CB,LL,RR,RW	106	105	104	53	7,16*
*A636-16VT2RIB	50: CB,RR	106		106	53	14,16*
*A637-56VT2PRO	21: CB,RR	107	109	110	53	8*,17
*A638-74VT2RIB	50: CB,RR	108	109	106	53	8*,14*
*A639-70STXRIB	49: CB,LL,RR,RW	109	109	109	53	8,14*
*A641-06STXRIB	49: CB,LL,RR,RW	111	111	112	53	8,15*
*A641-54VT2RIB	50: CB,RR	111	111	112	53	8,15*
*A642-47STX	23: CB,LL,RR,RW	112	110	112	53	8*,15*
Augusta Seed						
A2054	3: CB,LL,RR	104		104	149	16
A2345	59: CB,LL,RR	95	97		167	12
*A2448	52: CB,LL,RR	98	98	96	149	9,18*
*A2541	6: CB,LL,RR	91	91		175	11*
A2545	57: CB,LL,RR,RW	95	99		167	9
*A2856	59: CB,LL,RR	106	105	105	149	7*,14*,16*
*A3053	58: CB,LL,RR,RW	103	104	104	167	7*,10,19*
*A5162	5: CB,LL,RR,RW	112		110	149	17*
Becks						
*4421Q	75: CB,LL,RR,RW	94	91		229	11*
4844SX	49: CB,LL,RR,RW	98	98		229	12
5113AM	56: CB,LL,RR	101	100		229	9
Blue River Organic						
08B55	1: None	78	89		128	13
14A91	1: None	82	82		128	13
22K32	1: None	86	88		128	13
26B78	1: None	88	90		128	13
38G54	1: None	96	97		128	12
*42C87	1: None	98	99		128	9*,12
48G35	1: None	102	104		128	10
51T59	1: None	103	104		128	10
54C27	1: None	105	105		128	7
*57A30	1: None	107	108		128	8*
*62G22	1: None	110	108		128	8*
Brunner						
2820GT-3110A	6: CB,LL,RR	82	88		175	13
2897GT-3120EZ	3: CB,LL,RR	89	87		175	13
3960-5222EZ	58: CB,LL,RR,RW	96	97		175	12
4010-5222EZ	58: CB,LL,RR,RW	101	101		175	9
*4044	1: None	104	104		175	10*
Channel						
*192-98STXRIB	49: CB,LL,RR,RW	92		94	224	20*
*194-49DGVT2PRIB	68: CB,DT,RR	94		94	224	20*
*195-85DGVT2PRIB	68: CB,DT,RR	95		96	227	18*
*198-98STXRIB	49: CB,LL,RR,RW	98		98	224	18*
203-60TRERIB	76: CB,RR	103		104	227	16
*205-70STXRIB	49: CB,LL,RR,RW	105		104	224	16*
*209-15STXRIB	49: CB,LL,RR,RW	109		108	224	14*
210-98STXRIB	49: CB,LL,RR,RW	110		109	224	14

Brand / Hybrid	Technology: Traits †	Maturity Co.	Maturity GRM	Maturity SRM	Seed Trt ‡	Tables
Cornelius						
6376	1: None	103	103		149	10
*6869	1: None	108	108	109	149	8*,17*
*C349SS	23: CB,LL,RR,RW	102	103		53	10*
*C385DP	50: CB,RR	103	103		149	7*
*C478DP	50: CB,RR	105	103		149	7*,10*
*C575DP	50: CB,RR	109	109	109	149	8,17*
*C577SS	23: CB,LL,RR,RW	109	109	109	53	8*,17*
C6002SS	23: CB,LL,RR,RW	100	100		53	9
*C6042DP	50: CB,RR	100	98		149	9*
*C6209DP	50: CB,RR	102	103		149	10*
C6219SS	23: CB,LL,RR,RW	102	103		53	10
*C6401SS	23: CB,LL,RR,RW	104	104	104	53	7*,10*,16*
C6528-3220	52: CB,LL,RR	105	105		149	10
C6720DP	50: CB,RR	107	109		149	8
*C7004DP	50: CB,RR	110	110		149	8*
*C7125DP	50: CB,RR	111	109	112	149	8*,15*
*C7366DGDP	68: CB,DT,RR	113		112	149	15*
Croplan Genetics						
3899VT2PRIB	50: CB,RR	98	98		212	9
Dairyland						
DS-2068RR	16: RR	80	84		231	13
DS-2220AM	56: CB,LL,RR	82	85		231	13
DS-2350RR	16: RR	83	84		231	13
DS-2505AM	56: CB,LL,RR	85	86		230	13
DS-2716Q	75: CB,LL,RR,RW	87	87		231	13
DS-3030AM	56: CB,LL,RR	90	88		231	13
*DS-3162Q	75: CB,LL,RR,RW	91	90		231	11*
*DS-3193AM	56: CB,LL,RR	91	90		231	11*,13*
*DS-3345AM	56: CB,LL,RR	93	91		231	11*
*DS-3366AM	56: CB,LL,RR	93	88		231	11*,13*
*DS-3519AM	56: CB,LL,RR	96	96	92	231	9*,12,20*
*DS-3550AM	56: CB,LL,RR	95	97		230	9*,12
*DS-3715AM	56: CB,LL,RR	97	97	95	230	9,12,18*,20
*DS-3810Q	75: CB,LL,RR,RW	98	98		231	9,12*
*DS-4014Q	75: CB,LL,RR,RW	100	101		231	7*,9
*DS-4018AM	56: CB,LL,RR	101	100		230	9*
*DS-4310AM	56: CB,LL,RR	103	105		230	7*
*DS-4318AM	56: CB,LL,RR	104	104	105	230	7*,16*,19*
*DS-4440AM	56: CB,LL,RR	104	104		230	7*,10*
*DS-4580Q	75: CB,LL,RR,RW	105	104		230	7*,10*
*DS-4878AM	56: CB,LL,RR	108	109		231	8*
*DS-5018AM	56: CB,LL,RR	110		109	230	17*
*DS-5279Q	75: CB,LL,RR,RW	112		112	231	15*
*HiDF-3044Q	75: CB,LL,RR,RW	91		92	230	20*
*HiDF-3099RA	54: CB,LL,RR,RW	99		97	230	18,20*
*HiDF-3197RA	54: CB,LL,RR,RW	97		94	231	18*,20*
*HiDF-3211RA	54: CB,LL,RR,RW	111		112	231	15*
*HiDF-3407RA	54: CB,LL,RR,RW	107		109	231	14,17*
*HiDF-3802Q	75: CB,LL,RR,RW	102		105	231	16*,19*
HiDF-3808RA	54: CB,LL,RR,RW	108		110	231	14,17
*HiDF-4545Q	75: CB,LL,RR,RW	105		105	231	16*,19*
*HiDF-4999Q	75: CB,LL,RR,RW	109		109	231	14*,17*
*HiDF-5202Q	75: CB,LL,RR,RW	112		112	231	15*
DeKalb						
DKC31-85VT2PRIB	50: CB,RR	81	83	85	232	13,20
DKC33-37VT2PRIB	50: CB,RR	83	85	89	232	13,20
DKC36-86VT2PRIB	50: CB,RR	86	86		232	13
DKC37-50VT2PRIB	50: CB,RR	87	87		233	13
*DKC39-55VT2PRIB	50: CB,RR	89	91		232	11*
*DKC40-45VT2PRIB	50: CB,RR	90	89	92	232	11*,18,20
*DKC43-75VT2PRIB	50: CB,RR	93	91		232	11*
DKC45-95VT2PRIB	50: CB,RR	95	96		232	12
DKC48-95VT2PRIB	50: CB,RR	98	97		232	9,12

† See Table 3 for transgenic technology details. Traits: CB= Corn borer, DT= Drought tolerant, LL= Liberty Link, RR= Roundup Ready, RW= Corn rootworm; Other: bmr= brown midrib, lfy= leafy, ND= Nutri-Dense, w= white, wo= water optimized

‡ See Table 4 for seed treatment details.

Table 2 (continued). Corn hybrids included in the 2020 trials. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or MILK2006) in one or more zones.

Brand / Hybrid	Technology: Traits †	Maturity Co.	Maturity GRM	Maturity SRM	Seed Trt ‡	Tables
DKC49-44SSRIB	49: CB,LL,RR,RW	99	99		233	9,12
*DKC51-98SSRIB	49: CB,LL,RR,RW	101	98		233	9*
DKC52-34SSRIB	49: CB,LL,RR,RW	102	103		233	10
DKC53-27SSRIB	49: CB,LL,RR,RW	103	104		233	10
*DKC54-64SSRIB	49: CB,LL,RR,RW	104	103		233	10*
*DKC55-37SSRIB	49: CB,LL,RR,RW	105		105	233	19*
*DKC56-65SSRIB	49: CB,LL,RR,RW	106	105		233	7*,10
*DKC58-34SSRIB	49: CB,LL,RR,RW	108	108		233	8*
*DKC59-07SSRIB	49: CB,LL,RR,RW	109		109	233	17*
*DKC59-81SSRIB	49: CB,LL,RR,RW	109	109		210	8*
*DKC61-41VT2PRIB	50: CB,RR	111	110		232	8*
*DKC63-91VT2PRIB	50: CB,RR	113	110	109	232	8*,17*
DKC64-44SSRIB	49: CB,LL,RR,RW	114	111		233	8
DuPont Pioneer						
*P0306Q	75: CB,LL,RR,RW	103	103		230	7*
*P0421AM	56: CB,LL,RR	104	104		230	7*,10*
*P8736AM	56: CB,LL,RR	87	89		230	11*
*P9188AM	56: CB,LL,RR	91	91		230	11*
*P9492AM	56: CB,LL,RR	94	94		230	11*
P9608Q	75: CB,LL,RR,RW	96	97		230	9
*P9772AM	56: CB,LL,RR	97	98		230	9*,12
P9880AMXT	61: CB,LL,RR,RW	98	98		230	12
FS InVISION						
FS 3508V RIB	50: CB,RR	85	86		136	13
*FS 37TV1 RIB	50: CB,RR	87	87	89	151	11,13,20*
*FS 4008V RIB	50: CB,RR	90	90	90	136	11*,13,20
*FS 4507V RIB	50: CB,RR	95	96	92	136	12*,20*
*FS 47TV1 RIB	50: CB,RR	97	97	94	147	12,20*
*FS 5098X RIB	49: CB,LL,RR,RW	100	98	99	136	9*,12*,18*
FS 51QX1 RIB	49: CB,LL,RR,RW	101	99	105	136	9,19
*FS 53ZX1 RIB	49: CB,LL,RR,RW	103	104	104	136	10*,19*
*FS 5594X RIB	49: CB,LL,RR,RW	105	104	104	136	7*,10,16*
*FS 55RL1 EZR	59: CB,LL,RR	105	105	103	175	7*,10,16*
FS 5704X RIB	49: CB,LL,RR,RW	107	105	109	136	8,10,17
*FS 5892V RIB	50: CB,RR	108	108	109	136	8,17*
*FS 5909D2A EZR	58: CB,LL,RR,RW	109	109	110	173	8,17*
*FS 60UX1 RIB	49: CB,LL,RR,RW	110	109	109	136	8,14*,17
*FS 6106X RIB	49: CB,LL,RR,RW	111	110	112	136	8*,15*
*FS 6107T	76: CB,RR	111		112	136	15*
*FS 6194V RIB	50: CB,RR	111		112	136	15*
*FS 6395VDG RIB	68: CB,DT,RR	113		112	136	15*
FS 6406X RIB	49: CB,LL,RR,RW	114		112	136	15
Federal Hybrids						
3510VT2P	21: CB,RR	85	85		53	13
3790VT2PRIB	50: CB,RR	87	86		151	13
3810VT2P	21: CB,RR	88	87		53	13
*3880VT2PRIB	50: CB,RR	88	88	91	151	13,20*
4010VT2P	21: CB,RR	90	90		151	11,13
*4160VT2PRIB	50: CB,RR	91	89	92	234	11*,13,20
*4240CONV	1: None	92		93	234	20*
*4300VT2PRIB	50: CB,RR	93	93		151	11*
*4310VT2P	21: CB,RR	93	92		151	11*
4580VT2PRIB	50: CB,RR	95	97		234	9,12
4880VT2PRIB	50: CB,RR	98	98		234	9
*4999VT2PRIB	50: CB,RR	99	97		151	9*
*5005SSRIB	49: CB,LL,RR,RW	100	99		53	9*
*5280VT2PRIB	50: CB,RR	102	103		234	7,10*
5300VT2PRIB	50: CB,RR	103	104		151	7
*5370VT2PRIB	50: CB,RR	103		103	151	16*
5480CONV	1: None	104		103	149	16
*5570VT2PRIB	50: CB,RR	105		103	234	16*
*5690VT2PRIB	50: CB,RR	106	104		234	7*
Foundation Organic						
*EXP95FM	1: None	95	97		170	22*
*ORG7700	1: None	93	95		170	22*
*ORG8305	1: None	106	104		170	21*
*ORG8500	1: None	102	105		170	21*
*ORG8507	1: None	105	107		170	21*
*ORG8650	1: None	100	102		170	21*
*ORG8799	1: None	99	96		170	22*
*ORG8801	1: None	90	94		170	22*
Frontiersmen						
082-S8RR	16: RR	82	90		190	11
096-R8VT2P	50: CB,RR	96	97		190	12
*100-W0VT2P	50: CB,RR	100	98		190	9*
107-A0GENSS	49: CB,LL,RR,RW	107	104		190	10
Golden Harvest						
*G02K39-5122 EZ1	57: CB,LL,RR,RW	102	103	105	167	10,19*
G03R40-5222 EZ1	58: CB,LL,RR,RW	103	104		167	10
*G10D21-3330 EZ1	72: CB,LL,RR	110	110	109	173	8*,17
G10L16-3330A	72: CB,LL,RR,wo	110	110	110	167	8,17
*G12S75-5122 EZ1	57: CB,LL,RR,RW	112		112	173	15*
*G14N11-5222	58: CB,LL,RR,RW	114		112	173	15*
G84J92-3120A-EZ1	70: CB,LL,RR	84	91		167	11
G85Z56-3220 EZ1	59: CB,LL,RR	85	89		167	11
G89A09-5122 EZ1	57: CB,LL,RR,RW	89	92		167	11
*G91V51-3110A	6: CB,LL,RR	91	91	91	167	11*,20*
G95M41-5122 EZ1	57: CB,LL,RR,RW	95	97	94	167	12,20
G96R61-5222 EZ1	58: CB,LL,RR,RW	96		96	167	20
*G97N86-3220 EZ1	59: CB,LL,RR	97	96	94	167	12,20*
G99E68-5122 EZ1	57: CB,LL,RR,RW	98	99	98	167	9,18
Hi Fidelity Genetics						
HFG0951	1: None	95	98		136	9
HFG1001	1: None	100	100		136	9
HFG1051	1: None	106	104		149	10
Jung						
32DP300	50: CB,RR	82	83		232	13
*3316R	16: RR	90	89		190	11*
*36DP310	50: CB,RR	86	88	88	233	13,20*
36DP318	50: CB,RR	86	88		236	13
39DP338	50: CB,RR	89	86		235	13
*40DP401	50: CB,RR	90	89	89	232	11*,20*
*41DP400	50: CB,RR	91	91		232	11*
*46SS428	49: CB,LL,RR,RW	96		94	210	20*
47DP410	50: CB,RR	97	96		232	12
*47DP411	50: CB,RR	97	97		232	12*
*47DP429	50: CB,RR	97	97		236	12*
*48DP420	50: CB,RR	98		98	232	18*
*49DP441	50: CB,RR	99	99		210	9*
*49SS437RIB	49: CB,LL,RR,RW	99		98	210	18*
*4D381RIB	50: CB,RR	94	91		190	11*
51SS500	49: CB,LL,RR,RW	101	100	105	233	9,19
*52SS501	49: CB,LL,RR,RW	102	103	105	233	10,19*
*53DP511	50: CB,RR	103	102	104	232	10*,19*
*53SS521	49: CB,LL,RR,RW	103	104		233	10*
*55DD520	68: CB,DT,RR	105	103	104	232	7*,16*
56SS531	49: CB,LL,RR,RW	106	106		233	7
*56SS538	49: CB,LL,RR,RW	106	105	105	233	7*,14*,16
*57SS530	49: CB,LL,RR,RW	107	107	108	233	8,14*,17
*58SS529	49: CB,LL,RR,RW	108	109		233	8*
*59SS581	49: CB,LL,RR,RW	109	110		233	8*
*7S378RIB	49: CB,LL,RR,RW	94		95	191	20*
LG Seeds						
LG42C63VT2RIB	50: CB,RR	92	87		218	13

† See Table 3 for transgenic technology details. Traits: CB= Corn borer, DT= Drought tolerant, LL= Liberty Link, RR= Roundup Ready, RW= Corn rootworm; Other: bmr= brown midrib, lfy= leafy, ND= Nutri-Dense, w= white, wo= water optimized

‡ See Table 4 for seed treatment details.

Table 2 (continued). Corn hybrids included in the 2020 trials. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or MILK2006) in one or more zones.

Brand Hybrid	Technology: Traits †	Maturity Co.	GRM	SRM	Seed Trt ‡	Tables
*LG44C27VT2RIB	50: CB,RR	94	92	94	218	11,20*
*LG47C77VT2PRO	21: CB,RR	97	97		218	9*
LG51C48VT2RIB	50: CB,RR	101	99		218	9
LG5375VT2RIB	50: CB,RR	85	87		218	13
LG5465VT2RIB	50: CB,RR	97	97		218	12
*LG54C04	1: None	104	103		218	10*
*LG5505VT2RIB	50: CB,RR	100	97	96	218	12,18*,20*
*LG57C33STXRIB	49: CB,LL,RR,RW	107		107	218	17*,19*
LG57C97VT2PRO	21: CB,RR	107	108		218	8
*LG59C66VT2RIB	50: CB,RR	109		108	218	14*,17*
LG59C72VT2RIB	50: CB,RR	109	110		218	8
*LG60C47STXRIB	49: CB,LL,RR,RW	110	109	109	218	8,14*
*LG62C35VT2RIB	50: CB,RR	112		112	218	15*
Latham						
*EX6355GT	16: RR	113		112	151	15*
LH3695VT2PRO	21: CB,RR	86	86	89	151	13,20
*LH3937VT2PRO	21: CB,RR	89	91		151	13*
LH4242VT2PRO	21: CB,RR	92	91	94	151	13,20
*LH4375VT2PRO	21: CB,RR	93	90		151	11*
LH4669SS	23: CB,LL,RR,RW	96	98		136	12
*LH4937VT2PRO	21: CB,RR	99	97		151	12*
LH4989SS	23: CB,LL,RR,RW	109		105	136	19
*LH5047VT2PRO	21: CB,RR	100	98		151	9*
*LH5245VT2PRO	21: CB,RR	102	100	105	151	10,12,16,19*
LH5377VT2PRO	21: CB,RR	103	104		151	10
*LH5487VT2PRO	21: CB,RR	104	103		151	10*
LH5517VT2PRO	21: CB,RR	105	104		151	10
LH5589SS	23: CB,LL,RR,RW	105		104	136	16
*LH5742RR	16: RR	107	104	107	151	10*,17*,19*
*LH5965VT2PRO	21: CB,RR	109		109	151	17*
*LH6285VT2PRO	21: CB,RR	112		112	151	15*
LH6529SS	23: CB,LL,RR,RW	115		112	136	15
Legacy Seeds						
LC-3017VT2P(RIB)	50: CB,RR	90	90		151	13
LC-3048VT2P(RIB)	50: CB,RR	90	89		151	13
LC-3517VT2P(RIB)	50: CB,RR	95	97		151	12
*LC-3537-5222	58: CB,LL,RR,RW	95		95	149	20*
*LC-3718DGVT2P	67: CB,DT,RR	98	98	100	151	9*,12*,18
*LC-4248SSX	23: CB,LL,RR,RW	100	98		174	9*
*LC-5217VT2P(RIB)	50: CB,RR	103	103	104	151	10*,16*,19*
*LC-5319SSX	49: CB,LL,RR,RW	103	104		174	7*,10*
*LC-5438CONV	1: None	104		105	149	16,19*
LC-5819SSX	49: CB,LL,RR,RW	106	104		174	7
LC-7236-5222	58: CB,LL,RR,RW	112		110	149	17
LC351-20VT2P	21: CB,RR	85	85		151	13
*LC413-20-3110	6: CB,LL,RR	91	89	91	149	13,20*
*LC431-20SSX	23: CB,LL,RR,RW	93	92		174	11*
*LC441-20VT2P	21: CB,RR	94	91		151	11*
*LC484-20SSX	23: CB,LL,RR,RW	98	98	97	174	9*,12,18*
*LC533-20-5222	58: CB,LL,RR,RW	103	104	104	149	10,19*
*LC535-20GT	2: RR	104		105	149	16,19*
LC551-20SSX	23: CB,LL,RR,RW	105	104	105	174	7,16
LC634-20SSX	49: CB,LL,RR,RW	113		110	174	17
Legend Seeds						
*40J9192 VIP3110A	6: CB,LL,RR	92	93		164	9*,11*
JSC47J9185 VIP3110	6: CB,LL,RR	85	89		164	11
LR 9004 DC5122EZREF	57: CB,LL,RR,RW	104	106		164	7
LR 9100 Powercore	71: CB,LL,RR	100	98		164	9
*LR 9102-VIP3110	6: CB,LL,RR	102	103		164	7*
*LR 9106 Powercore	71: CB,LL,RR	106	106		164	7*
LR 9109 VIP3220A	59: CB,LL,RR	109	109		164	8
LR 9995 VIP3220EZREF	59: CB,LL,RR	95	98		164	9
Masters Choice						
*MC5790	1: None	107		108	175	14*,17*,19*
*MCT5851	16: RR	108		107	175	14*,17*,19
*MCT6552-3110	6: CB,LL,RR	115		109	175	15*,17,19*
Mycogen						
BMR10B27RA	54: CB,LL,RR,RW,bmr	110		111	149	14,17
*BMR97B37RA	49: CB,LL,RR,RW,bmr	97		98	178	18*,20
NK Brand						
NK0243-5122	57: CB,LL,RR,RW	102	103		167	7,10
*NK0440-3122EZ	60: CB,LL,RR,RW	104	105	105	167	10,16,19*
*NK0472-5222	58: CB,LL,RR,RW	104	104		167	7*,10
*NK0624-5222	58: CB,LL,RR,RW	106	104	104	167	7*,16*,19*
*NK1026-3330	72: CB,LL,RR	110	109	108	173	8*,14*,17
*NK1082-5222A	58: CB,LL,RR,RW,wo	110	110	108	173	8,14*
NK1188-5122	57: CB,LL,RR,RW	111	111	110	173	8,17
*NK1205-3120	70: CB,LL,RR	112		112	173	15*
*NK1239-5122	57: CB,LL,RR,RW	112		111	173	15*,17
*NK1460-5222	58: CB,LL,RR,RW	114		112	173	15*
*NK8519-5222	58: CB,LL,RR,RW	85		93	167	20*
NK8618-3120A	70: CB,LL,RR,wo	86	89		167	13
NK8920-5122	57: CB,LL,RR,RW	89	90		167	11,13
*NK9175-3110A	6: CB,LL,RR,wo	91	90	90	167	11*,13,20*
NK9227-5222A	58: CB,LL,RR,RW,wo	92	92	96	167	11,13,20
NK9535-3220	59: CB,LL,RR	95	91		167	13
*NK9653-5222	58: CB,LL,RR,RW	96	97	96	167	9*,12,18,20
*NK9930-5122	57: CB,LL,RR,RW	99	99	95	167	9,12,18*
*NK9991-5122	57: CB,LL,RR,RW	99	98	101	167	9*,12,16*,18*
*NX10701-5122	57: CB,LL,RR,RW	107		107	167	14*,17*,19*
*NX11003-5122	57: CB,LL,RR,RW	110		110	173	17*
*NX11406-5222	58: CB,LL,RR,RW	114		112	173	15*
O'Brien Hybrids						
OB1103	1: None	103	102		175	12
*OB1109	1: None	110	110		175	8*
OB1177	1: None	107	107	110	175	10,17
*OB1185	1: None	108		108	175	14*
*OB1188	1: None	108	111		175	8*
Organic						
*UW Check G	1: None	96	95		3	22*
*UW Check H	1: None	102	103		3	21*
Power Plus						
*1K18Q	75: CB,LL,RR,RW	100	103		231	7*
*1M78AM	56: CB,LL,RR	103	104		231	7*
*3M62AM	56: CB,LL,RR	107	108		237	8*
*3V14AM	56: CB,LL,RR,wo	106	104		237	7*
*4F71AM	56: CB,LL,RR	109	109		231	8*
Prairie Hybrids						
*1231	1: None	100	102		170	22*
*2741	1: None	102	99		170	22*
*4211	1: None	106	106		170	21*
*4718	1: None	106		104	128	16*,19*
*4850	1: None	107		107	128	17,19*
*5200	1: None	108		107	128	17,19*
*5787	1: None	108		107	128	17*,19*
*6590	1: None	111		111	97	15*,17
*8290	1: None	114		112	128	15*
ProHarvest						
2749VT2PRIB	50: CB,RR	87	87		136	13
*4255RR2	16: RR	92	91		136	11*,13
*4340VT2PRIB	50: CB,RR	93	91		136	11*,13
4545RR2	16: RR	95	97		136	12
4630VT2PRIB	50: CB,RR	96	96		136	12

† See Table 3 for transgenic technology details. Traits: CB= Corn borer, DT= Drought tolerant, LL= Liberty Link, RR= Roundup Ready, RW= Corn rootworm; Other: bmr= brown midrib, lfy= leafy, ND= Nutri-Dense, w= white, wo= water optimized

‡ See Table 4 for seed treatment details.

Table 2 (continued). Corn hybrids included in the 2020 trials. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or MILK2006) in one or more zones.

Brand / Hybrid	Technology: Traits †	Maturity Co.	Maturity GRM	Maturity SRM	Seed Trt ‡	Tables
*4990VT2PRIB	50: CB,RR	99	97		136	9*,12
*6606VT2PRIB	50: CB,RR	105	103		136	10*
6746SXRIB	49: CB,LL,RR,RW	107	108		136	8
*6828VT2PRIB	50: CB,RR	107	107		136	8*
X17315	50: CB,RR	86	87		136	13
X19330	50: CB,RR	90	90		136	11,13
*X19510	50: CB,RR	100	98		136	9*
X20200	50: CB,RR	81	85		136	13
Project Seeds						
*PS20-107	1: None	106	104		128	7*
PS20EXP93GTCBLLBL	4: CB,LL,RW	93	89		128	13
Renk						
RK227VT2P	21: CB,RR	82	84		174	13
RK256GT	2: RR	84	87		149	13
RK278VT2P	50: CB,RR	87	87		174	13
RK287VT2P	50: CB,RR	87	88		174	13
*RK312VT2P	50: CB,RR	90	88		174	13*
*RK315VT2P	21: CB,RR	90	88	88	174	13,20*
RK433VT2P	50: CB,RR	92	92	93	174	11,13,20
*RK499VT2P	21: CB,RR	94	92		174	11*
RK561DGVT2P	68: CB,DT,RR	95	97		174	12
*RK579DGVT2P	68: CB,DT,RR	99	98	96	174	9*,12,20*
*RK593VT2P	50: CB,RR	97	97	97	174	12*,20*
*RK600VT2P	50: CB,RR	100	98	98	174	9*,18*
*RK621VT2P	50: CB,RR	103	103	103	174	10*,19*
RK626SSTX	49: CB,LL,RR,RW	102	104		136	10
*RK642VT2P	50: CB,RR	103	103	105	174	10*,19*
*RK695GTCBLLBL	52: CB,LL,RR	102	103	103	149	10,19*
*RK700SSTX	23: CB,LL,RR,RW	107	109	106	136	8*,19*
*RK710DGVT2P	68: CB,DT,RR	106	104	105	174	10,19*
*RK726H	71: CB,LL,RR	106	105	105	174	7*,19*
*RK765VT2P	50: CB,RR	109	109	105	174	8*,19*
*RK771RR	16: RR	108	108	105	174	8*,19*
RK805VT2P	21: CB,RR	110	110	110	174	8,17
RK807SSTX	50: CB,RR	111	110	110	174	8,17
*RK866DGVT2P	67: CB,DT,RR	112	110	109	174	8*,17*
*RK882SSTX	21: CB,RR	111	111	109	174	8*,17*
*RK937VT2P	50: CB,RR	113	110	109	174	8*,17*
*RK945DGVT2P	68: CB,DT,RR	115		110	174	17*
Spectrum						
*3496	1: None	84	90	92	149	11,18*
4642	1: None	96	96	95	149	12,18
*5706	1: None	107	104	109	149	10,17*
Thunder Seed						
T6085 VT2P	50: CB,RR	85	84		151	13
*T6094 VT2P	50: CB,RR	94	91		151	11*
T6098 VT2P	50: CB,RR	98	97		151	12
T6185 VT2P	50: CB,RR	85	86		151	13
T6190 VT2P	50: CB,RR	90	91		151	11
*T6791 VT2P	50: CB,RR	91	91		151	11*
T6888 VT2P	50: CB,RR	88	88		151	13
T6987 VT2P	50: CB,RR	87	86		151	13
*T6992 VT2P	50: CB,RR	92	91		151	11*
*T6993 VT2P	50: CB,RR	93	91		151	11*
T6996 VT2P	50: CB,RR	96	97		151	12
Tracy Seeds						
*T095-29	6: CB,LL,RR	96	98		204	9*
*T102-31	6: CB,LL,RR	102	103		204	7*,10*
T107-31	57: CB,LL,RR,RW	107	109		133	8
T109-51	58: CB,LL,RR,RW	109	110		133	8
Viking						
*42-92	1: None	92	92	94	225	11,18*,20
44-98	1: None	98	97		225	9,12
46-02	1: None	102	103		225	10
*46-96	1: None	96	97	97	225	12,16*,18*
*48-08	1: None	108	108	108	225	8*,14*,17*
*51-04	1: None	104		104	225	14*,16*
52-00	1: None	100	98		225	9
52-96	1: None	96	97		225	9,12
55-02	1: None	102	103		225	10
*58-11	1: None	111	109	111	225	8*,15*,17*
*80-89	1: None	89	89		225	11*,13*
*84-05	1: None	105	104		225	7*
99-00	1: None	100	99		225	9
*O.18-06UP	1: None	106	104		194	21*
*O.31-91	1: None	91		94	194	18*,20
*O.45-97	1: None	97	100	98	194	14*,20*,21*
*O.45-97UP	1: None	97	100	98	194	16*,18*,22*
*O.46-02P	1: None	102	100		194	22*
*O.48-08P	1: None	108	104		194	21*
*O.51-04P	1: None	104	103		194	21*,22
*O.52-96	1: None	96	95		194	22*
*O.69-01	1: None	101		105	194	16*,19*
*O.74-10	1: None	110		109	194	14*,17
*O.82-14	1: None	114		112	194	15*
*O.84-95UP	1: None	95	95		194	22*
*O.85-00P	1: None	100	99		194	22*
Wyffels						
*W2506RIB	50: CB,RR	101	103		151	7*
*W3018	23: CB,LL,RR,RW	102	103		53	7*
*W4196RIB	50: CB,RR	105	106		53	7*
*W4246	21: CB,RR	105	104		151	7*

† See Table 3 for transgenic technology details. Traits: CB= Corn borer, DT= Drought tolerant, LL= Liberty Link, RR= Roundup Ready, RW= Corn rootworm; Other: bmr= brown midrib, lfy= leafy, ND= Nutri-Dense, w= white, wo= water optimized

‡ See Table 4 for seed treatment details.

Table 3. List of transgenic technologies used in corn hybrids entered in the 2020 UW corn trials.

	Technology †	First Year	Abbreviation	Traits ‡	Grain yield § N	Grain yield § Bu/A	Forage yield § N	Forage yield § T/A
1	Conventional	1930	Conv	None	435	-3.2	360	* -0.13
2	Agrisure® GT	2006	GT	RR	15		15	
3	Agrisure® 3010	2006	3010	CB,LL,RR	14		6	
4	Agrisure® CB/LL/RW	2003	CBLLRW	CB,LL,RW	15			
5	Agrisure® 3000GT	2008	3000GT	CB,LL,RR,RW			6	
6	Agrisure Viptera® 3110	2011	Vip3110	CB,LL,RR	145	-4.2	57	* -0.03
16	Roundup Ready® Corn 2	2000	RR2	RR	106	-5.6	51	* 0.05
21	Genuity™ VT Double Pro™	2008	GENVT2Pro	CB,RR	311	* 3.4	87	-0.28
23	Genuity™ SmartStax™	2008	GENSS	CB,LL,RR,RW	161	* 1.0	87	-0.31
49	Genuity™ SmartStax™ RIB	2013	GENSSRIB	CB,LL,RR,RW	343	-3.2	258	* -0.08
50	Genuity™ VT Double Pro™ RIB	2008	GENVT2ProRIB	CB,RR	1269	* 1.9	369	* 0.10
52	Agrisure Viptera® 3220	2013	Vip3220	CB,LL,RR	23		18	
54	DAS SmartStax™plus RIB	2009	DASSSRIB	CB,LL,RR,RW			84	* -0.17
56	Optimum® AcreMax®	2013	AMRIB	CB,LL,RR	340	* 8.1	66	* 0.33
57	Agrisure Duracade® 5122 E-Z Refuge®	2014	DUR5122RIB	CB,LL,RR,RW	153	-13.3	104	* 0.18
58	Agrisure Duracade® 5222 E-Z Refuge®	2014	DUR5222RIB	CB,LL,RR,RW	165	-10.0	144	* 0.02
59	Agrisure Viptera® 3220 E-Z Refuge®	2014	Vip3220RIB	CB,LL,RR	91	-13.7	30	
60	Agrisure® 3122 E-Z Refuge®	2014	3122RIB	CB,LL,RR,RW	8		15	
61	Optimum® AcreMax® Xtreme	2014	AMXT	CB,LL,RR,RW	12			
67	Genuity™ VT Double Pro™ DroughtGard™	2016	GENVT2ProDG	CB,DT,RR	28		15	
68	Genuity™ VT Double Pro™ DroughtGard™ RIB	2016	GENVT2ProDGRIB	CB,DT,RR	56	* 4.0	66	* 0.40
70	Agrisure® 3120 E-Z Refuge®	2016	3120RIB	CB,LL,RR	39		6	
71	Powercore	2018	PCORE	CB,LL,RR	26		9	
72	Agrisure Viptera® 3330 EZ Refuge	2019	Vip3330	CB,LL,RR	24		24	
75	Qrome®	2019	Q	CB,LL,RR,RW	117	* 3.1	66	* 0.31
76	Trecepta®	2020	TRE	CB,RR			12	
	LSD (0.10)				3896	8.0	1955	0.59

† See Table 2 for specific hybrid transgenic technologies.
‡ Traits: CB= Corn borer, DT= Drought tolerant, LL= Liberty Link, RR= Roundup Ready, RW= Corn rootworm
§ Grain and forage yield of early and late trials are calculated in relation to the trial mean. A minimum of 50 plots was required before inclusion into the analysis.
* Technologies that performed statistically similar to the highest technology in the trial.

Table 4. List of seed treatments used on corn hybrids entered in the 2020 UW corn trials.

Seed	Treatment Mix		Grain yield‡		Forage yield‡	
Trt.†	Biological | Fungicide | Insecticide | Micronutrients | Nematicide | PGR	Brand	N	Bu/A	N	Bu/A
3	Untreated		14			
53	clothianidin | bacillus firmus		240	* -0.3	102	* -0.02
97	azoxystrobin+fludioxonil | thiamethoxam				12	
128	azoxystrobin+fludioxonil+mefenoxam+thiabendazole	Maxim Quattro	156	-4.6	81	* 0.51
133	azoxystrobin+fludioxonil+mefenoxam+thiabendazole l thiamethoxam	Maxim Quattro+Cruiser250	16			
136	ipconazole+mefenoxam+trifloxystrobin | clothianidin | bacillus firmus	Acceleron+Poncho500+VOTiVO	412	* -0.7	141	-0.09
147	mefenoxam+ipconazole+trifloxystrobin | clothianidin | bacillus firmus	Acceleron+Poncho250+VOTiVO	12		12	
149	azoxystrobin+fludioxonil+mefenoxam+thiabendazole | thiamethoxam	CruiserMaxx Corn250	200	-2.3	177	-0.13
151	mefenoxam+ipconazole+trifloxystrobin | clothianidin	Acceleron 250	504	* 2.1	126	-0.10
164	azoxystrobin+fludioxonil+mefenoxam+thiabendazole | thiamethoxam | bacillus amyloliquefaciens+trichoderma virens	CruiserMaxx Corn250+Quickroots	82	-11.0		
167	sedaxane+mefenoxam+azoxystrobin+fludioxonil | thiamethoxam | abamectin	Avicta Complete 250+Vibrance	360	-7.0	212	-0.07
170	humic acid	1R - seed treatment	78			
173	azoxystrobin+fludioxonil+mefenoxam+sedaxane| thiamethoxam | abamectin	Avicta Complete 500+Vibrance	40		84	* 0.17
174	mefenoxam+ipconazole+trifloxystrobin | clothianidin	Acceleron 500	328	* 4.5	168	* 0.30
175	azoxystrobin+fludioxonil +mefenoxam+sedaxane+thiabendazole | thiamethoxam	CruiserMaxx Corn250+Vibrance	121	-3.8	87	* -0.03
178	azoxystrobin+ethaboxam+fludioxonil +mefenoxam+sedaxane+thiabendazole | thiamethoxam	CruiserMaxx500+Intego+Vibrance			21	
190	metalaxyl+fluoxastrobin+prothioconazole | clothianidin		62	-8.8		
191	metalaxyl+fluoxastrobin+prothioconazole | clothianidin | bacillus firmus				12	
194	humic acid+microbials	1R seed treatment+SabrEx	74		87	-1.04
204	azoxystrobin+fludioxonil+mefenoxam+thiabendazole l thiamethoxam | zinc	Maxim Quattro+Cruiser250+Zinc	25			
210	penicillium bilaii+LCO SP104 | metalaxyl+fluoxastrobin+prothioconazole | clothianidin | bacillus firmus		8		21	
212	metalaxyl+fluoxastrobin+prothioconazole | clothianidin | zinc		8			
218	penicillium bilaii+LCO SP104 | metalaxyl+fluoxastrobin+prothioconazole | clothianidin | bacillus firmus		113	-6.1	72	* 0.31
224	metalaxyl+fluoxastrobin+prothioconazole | clothianidin | bacillus firmus				51	* -0.02
225	LCO SP104 | clothianidin | Bacillus firmus	Cruiser250+Sabre Ex+Excalibur	146	-4.1	72	* 0.10
227	LCO SP104 | clothianidin				15	
228		AgriShield Max	58	* 0.8	12	
229		Escalate+Poncho/VOTiVO 2.0	32			
230	azoxystrobin+fludioxonil+mefenoxam+thiabendazole+Ipconazole+ethaboxam | clothianidin | bacillus firmus	Lumigen+Poncho500+Votivo	225	* 6.2	75	* 0.25
231	azoxystrobin+fludioxonil+metalaxyl+mefenoxam+thiabendazole+Ipconazole+ ethaboxam | clothianidin | bacillus firmus	Lumigen+Poncho1250+Votivo	238	* 5.5	129	* 0.37
232	LCO SP104 | metalaxyl+fluoxastrobin+prothioconazole | clothianidin		207	* 6.0	87	-0.28
233	LCO SP104 | metalaxyl+fluoxastrobin+prothioconazole | clothianidin | bacillus firmus		181	-2.5	69	-0.26
234	mefenoxam+ipconazole+trifloxystrobin | clothianidin	Acceleron 250+FederalArmourGuard	81	-3.8	30	
235		Acceleron B-300 SAT+Acceleron B-360 ST | Metalaxyl+Fluoxastrobin+Proth	15			
236	LCO SP104 | metalaxyl+fluoxastrobin+prothioconazole | clothianidin		27			
237	azoxystrobin+ethaboxam+fludioxonil+ipconazole+mefenoxam+thiabendazole +tebuconazole | clothianidin+chlorantraniliprole | bacillus firmus	Powershield	17			
	LSD (0.10)		4080	8.4	1955	0.54

† See Table 2 for specific seed treatments applied to hybrids.
‡ Grain and forage yield are calculated in relation to the trial mean. A minimum of 50 plots was required before inclusion in the analysis.
* Treatments that performed statistically similar to the highest treatment in the trial.

Table 5. 2020 Temperature and Precipitation Summary.

Location	Temperature (Average) Precipitation (Total)	May 30-year Normal	May 2020 Departure	June 30-year Normal	June 2020 Departure	July 30-year Normal	July 2020 Departure	August 30-year Normal	August 2020 Departure	September 30-year Normal	September 2020 Departure
Arlington	Temperature	57.2	-1.7	67.0	1.8	70.5	3.7	68.5	1.1	60.8	-1.3
	Precipitation	4.0	0.3	5.3	-0.9	4.2	1.2	3.8	-0.3	3.3	1.0
Chippewa Falls*	Temperature	57.3	-0.5	66.8	2.4	71.0	1.6	68.9	0.9	61.2	-2.9
(Menomonie)	Precipitation	4.4	0.5	5.1	3.2	3.8	0.6	4.1	-1.9	3.6	-2.2
	Irrigation	0.0		0.5		2.0		2.5		1.0	
Coleman	Temperature	54.7	-0.7	64.8	1.5	68.9	4.1	67.1	2.2	59.5	-1.1
(Oconto)	Precipitation	3.5	4.2	4.0	-0.4	4.1	1.3	3.4	-1.0	3.4	-0.5
Fond du Lac	Temperature	56.7	-0.8	66.7	2.9	70.9	4.0	69.1	3.1	61.6	-0.4
	Precipitation	3.4	-0.2	4.4	1.1	3.7	4.6	3.5	2.0	3.2	-0.3
Galesville	Temperature	59.7	-0.8	69.4	0.7	73.0	2.2	71.0	1.1	63.4	-2.9
(Trempealeau)	Precipitation	4.4	2.2	4.4	2.7	4.6	-0.7	4.2	-1.9	3.9	0.7
Hancock*	Temperature	57.1	-2.5	66.5	0.6	70.3	2.8	68.5	1.3	60.8	-1.9
	Precipitation	4.2	-0.4	5.0	1.3	4.1	-1.6	4.0	-1.3	3.3	-1.4
	Irrigation	0.7		1.5		4.8		4.0		1.4	
Janesville	Temperature	58.8	-1.6	68.6	1.9	72.4	3.0	70.6	0.7	62.9	-2.3
	Precipitation	4.1	1.5	4.9	-0.6	4.3	1.7	4.3	-1.6	3.7	1.8
Marshfield	Temperature	56.3	-2.2	65.8	1.0	69.9	2.1	67.9	0.7	59.7	-2.8
(Wausau)	Precipitation	3.8	-0.8	4.7	2.8	3.9	2.4	4.1	-2.2	3.8	-1.3
Montfort	Temperature	57.9	-2.2	67.6	1.5	71.1	3.1	69.2	1.4	61.7	-2.1
(Lancaster)	Precipitation	4.3	1.2	5.9	1.9	5.0	0.2	3.9	-0.1	4.0	3.3
Seymour	Temperature	56.4	-1.3	66.2	1.9	70.3	3.6	68.3	1.7	60.7	-1.0
(Green Bay)	Precipitation	3.4	2.4	4.1	0.1	3.6	-0.5	3.4	-1.1	3.2	-0.8
Spooner*	Temperature	56.3	-1.5	65.6	1.4	69.7	1.5	67.8	1.0	59.7	-3.9
	Precipitation	4.1	-1.0	4.2	-1.2	4.0	2.1	3.9	-1.5	3.6	-1.5
	Irrigation	0.0		1.0		0.0		0.0		0.0	
Valders	Temperature	53.8	-3.3	63.7	-0.7	69.4	2.3	68.5	0.3	61.6	-1.8
(Manitowoc)	Precipitation	3.4	2.7	4.2	0.1	3.7	4.6	3.4	0.6	2.4	-0.6

* Irrigation applied at Chippewa Falls, Hancock and Spooner Irrigated Trial.

Source: Midwestern Regional Climate Center

Table 6. Individual Trial Information - 2020 Trials.

Location / Soil Series	Cooperators	Previous Crop / Row Width (in) / Planting Date	Harvest Dates	Av. Final Stand (plants/A)	Tillage Operations	Soil Test pH	Soil Test P (ppm)	Soil Test K (ppm)	Nitrogen Fertilizer actual N (lbs/A)	Nitrogen Fertilizer form	Nitrogen Fertilizer time	Insect Control	Weed Control
Arlington	M. Bertram	Alfalfa / 30	Oct-14	G: 33602	Field Cultivator	6.1	60	119	13543 gal	Manure	pre	Force 3G	Resicore 80.0 oz/A
Plano Silt Loam		April-28	Sep-14	S: 34673		OM %: 2.8			113	32-0-0	pre	4.4 lbs/A	
									18	9-11-30-6S-1Zn	plant		
Chippewa Falls	J. Clark	Corn / 30	Oct-13	G: 32326	Spring Chisel	5.5	69	117	10000 gal	Manure	pre	Force 3G	Acuron 3.0 qt/A
Sattre Silt Loam	J. Jensen	May-4		O: 25340	Field Cultivator	OM %: 1.6			11	21-0-0-24S	pre	4.4 lbs/A	
Irrigated			Sep-11	S: 33181					18	9-11-30-6S-1Zn	plant		
									92	46-0-0	post		
Coleman	T. Kuchta	Alfalfa / 30	Oct-19	G: 31657	Disk Chisel	6.5	185	353	5000 gal	Manure	pre	Force 3G	Accent Q 5.0 oz/A
Oconto Sandy Loam		May-6	Sep-16	S: 31876	Field Cultivator	OM %: 3.8			5	18-46-0	pre	4.4 lbs/A	Status 5.0 oz/A
									16	21-0-0-24S	pre		Cavallo 4SC 3.0 oz/A
									92	46-0-0	pre		
									18	9-11-30-6S-1Zn	plant		
Fond du Lac	E. Montsma	Soybean / 30	Sep-18	G: 24867	Strip-Till	6.6	20	117	18	9-11-30-6S-1Zn	plant	Force 3G	Acuron 3.0 qt/A
Virgil Silt Loam		May-5				OM %: 3.0			30	28-0-0	pre	4.4 lbs/A	
			Oct-9						127	32-0-0	post		
Galesville	K. Congdon	Soybean / 30	Oct-13	G: 30626	Field Cultivator	5.2	65	113	100	46-0-0	pre	Force 3G	Dual II Mag 3.0 pt/A
Downs Silt Loam		April-29		O: 26163		OM %: 4.6			21	21-0-0-24S	pre	4.4 lbs/A	Callisto 3.0 oz/A
			Sep-3	S: 32749					18	18-46-0	pre		
									18	9-11-30-6S-1Zn	plant		
Hancock	P. Sytsma	Potato / 30	Oct-9	G: 32314	Soil Finisher	5.7	48	117	11	11-52-0	pre	Force 3G	Prowl 2.0 pt/A
Plainfield Sand		April-30		O: 29002		OM %: 0.9			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	Laudis 3.0 oz/A
Irrigated									32	21-0-0-24S	post		
									106	32-0-0	post		
									58	46-0-0	post		
Janesville	N. Baker	Corn / 30	Oct-8	G: 30823	Spring Chisel	6.0	36	113	18	9-11-30-6S-1Zn	plant	Force 3G	Acuron 3.0 qt/A
Plano Silt Loam		April-27			Field Cultivator	OM %: 3.0			190	28-0-0	pre	4.4 lbs/A	Accent Q 5.0 oz/A
									18	32-0-0	post		Cultivated
Marshfield	J. Baeseman	Soybean / 30	Oct-28	G: 32334		6.9	24	146	25 ton	Manure	pre	Force 3G	Instigate 6.0 oz/A
Fenwood Silt Loam		May-1	Sep-23	S: 31597	Field Cultivator	OM %: 3.3			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	Breakfree 3.8 pt/A
				O: 26654					117	30-0-0-2.6S	post		
Montfort	B. Bender	Soybean / 30	Oct-15	G: 29942	Strip-Till	5.3	10	130	142	32-0-0	pre	Force 3G	Explorer 3.0 oz/A
Dodgeville Silt Loam		April-27		O: 29278		OM %: 3.2			13	12-0-0-26S	pre	4.4 lbs/A	Zidua 3.25 oz/A
			Sep-15	S: 32666					18	9-11-30-6S-1Zn	plant		Atrazine 4L 32.0 oz/A
													Roundup 25.6 oz/A
Seymour	M. Maass	Soybean / 30	Oct-19	G: 30886	Chisel Plow	7.1	20	128	70	46-0-0	pre	Force 3G	Capreno 4.0 oz/A
Onaway Silt Loam		May-4		O: 26748	Field Cultivator	OM %: 2.4			17	11-52-0	pre	4.4 lbs/A	Atrazine 0.75 lb/A
									18	9-11-30-6S-1Zn	plant		
									106	32-0-0	post		
Spooner	P. Holman	Soybean / 30	Oct-12	G:36951	Disk	6.7	53	120	32	13-15-20-8S	plant	None	Dual II Mag 1.0 pt/A
Irrigated		May-6	Sep-9	S: 38062		OM %: 1.7			138	46-0-0	post		Callisto 6.0 oz/A
Cress Sandy Loam													
Silt Loam		Soybean / 30	Oct-12	G: 36806	Spring Chisel	6.6	41	158	20	13-13-18-9S	plant	None	Dual II Mag 1.0 pt/A
Antigo Silt Loam		May-7	Sep-15	S: 37528	Disk	OM %: 2.0			92	46-0-0	post		Callisto 6.0 oz/A
Dryland		Soybean / 30	Oct-12	G: 34979	Disk	6.7	53	120	32	13-15-20-8S	plant	None	Dual II Mag 1.0 pt/A
Cress Sandy Loam		May-6				OM %: 1.7			138	46-0-0	post		Callisto 6.0 oz/A
Valders	D. Wagner	Alfalfa / 30	Oct-16	G: 27312	Chisel Plow	7.1	12	71	10000 gal	Manure	pre	Force 3G	TripleFlex 3.0 pts/A
Kewaunee Clay Loam		May-6	Sep-17	S: 26885	Field Cultivator	OM %: 3.1			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	Realm Q 4.0 oz/A
									142	32-0-0	post		Atrazine 1.0 lb/A

Note: G=Grain, S=Silage, O=Organic.

Table 7. Southern Zone - Early Maturity Grain Trial. (page 1 of 2)

106 day Relative Maturity or earlier based on company rating (Arlington= ARL, Janesville= JAN, Montfort=MON)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	ARL	JAN	MON	Yield (bu/A)	P.I. #	ARL	JAN	MON
Federal Hybrids	5280VT2PRIB	CB,RR	234	97	21.4	55	32	243	236	223	* 263	* 103	* 279	244	266
Cornelius	C385DP	CB,RR	* 249	98	21.7	55	42	275	249	223	* 273	* 105	* 279	250	* 291
Wyffels	W2506RIB	CB,RR	240	* 101	22.1	55	24	253	235	232					
DuPont Pioneer	P0306Q	CB,LL,RR,RW	* 266	* 107	22.5	56	24	279	* 258	* 261					
Cornelius	C478DP	CB,RR	* 254	* 102	22.7	56	27	* 287	244	230	* 250	* 101	* 258	230	264
Legend Seeds	LR 9102-VIP3110	CB,LL,RR	237	* 102	23.2	56	16	241	224	* 247					
Jung	55DD520	CB,DT,RR	* 264	* 105	23.3	55	29	279	248	* 265					
100-DAY HYBRID TRIAL AVERAGE##					23.4										
Power Plus	1K18Q	CB,LL,RR,RW	* 248	* 101	23.5	55	27	266	242	237					
Wyffels	W3018	CB,LL,RR,RW	241	* 100	23.5	55	26	248	237	* 238					
Tracy Seeds	T102-31	CB,LL,RR	233	* 100	23.6	56	25	243	217	* 239					
Dairyland	DS-4014Q	CB,LL,RR,RW	* 245	* 100	23.7	55	27	271	239	225					
NK Brand	NK0243-5122	CB,LL,RR,RW	215	96	23.8	53	21	204	216	224					
Legacy Seeds	LC-5319SSX	CB,LL,RR,RW	* 255	* 104	24.0	55	25	282	234	* 248	* 259	* 103	* 257	249	273
AgriGold	A634-93	None	* 254	* 108	24.1	55	12	275	228	* 258	* 268	* 105	* 278	246	279
Federal Hybrids	5690VT2PRIB	CB,RR	241	* 100	24.1	56	22	260	235	228	* 270	* 105	* 276	245	* 289
Viking	84-05	None	* 258	* 101	24.4	54	37	283	240	* 250	* 272	* 105	* 269	242	* 306
FS InVISION	FS 5594X RIB	CB,LL,RR,RW	* 247	98	24.4	56	40	245	246	* 251	* 249	* 100	* 254	229	263
Federal Hybrids	5300VT2PRIB	CB,RR	228	91	24.5	55	45	225	235	225					
Dairyland	DS-4580Q	CB,LL,RR,RW	237	* 103	24.6	57	11	252	224	236					
Dairyland	DS-4318AM	CB,LL,RR	* 262	* 106	24.7	55	21	* 292	244	* 249	* 250	* 100	242	247	261
Dairyland	DS-4440AM	CB,LL,RR	* 260	* 105	24.7	55	21	282	244	* 255	* 261	* 103	* 259	* 259	266
Cornelius	C6401SS	CB,LL,RR,RW	240	* 102	25.0	56	27	* 285	196	* 240					
Augusta Seed	A3053	CB,LL,RR,RW	* 249	* 102	25.1	55	19	260	240	* 247					
Wyffels	W4196RIB	CB,RR	* 265	* 108	25.1	55	12	* 309	241	* 243	* 268	* 104	* 267	* 253	* 285
Power Plus	1M78AM	CB,LL,RR	* 261	* 107	25.3	56	19	281	234	* 267					
AgriGold	A632-35-5222EZ	CB,LL,RR,RW	* 251	* 100	25.4	55	38	274	230	* 250					
Legacy Seeds	LC551-20SSX	CB,LL,RR,RW	226	89	25.5	55	44	203	254	222					
DuPont Pioneer	P0421AM	CB,LL,RR	* 251	* 105	25.6	54	10	265	237	* 249					
105-DAY HYBRID TRIAL AVERAGE##					25.6										
AgriGold	A635-54VT2RIB	CB,RR	* 264	* 107	25.6	55	13	* 292	249	* 252	* 270	* 105	* 260	251	* 299
NK Brand	NK0624-5222	CB,LL,RR,RW	237	* 100	25.6	53	18	251	235	224					
Project Seeds	PS20-107	None	* 255	* 103	25.6	54	23	* 286	236	* 242					
Wyffels	W4246	CB,RR	* 249	* 101	25.8	54	23	257	247	* 242					
NK Brand	NK0472-5222	CB,LL,RR,RW	* 246	* 99	25.8	56	29	261	234	* 242					

CONTINUED.

Table 7 (continued). Southern Zone - Early Maturity Grain Trial. (page 2 of 2)

106 day Relative Maturity or earlier based on company rating (Arlington= ARL, Janesville= JAN, Montfort=MON)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	ARL	JAN	MON	Yield (bu/A)	P.I. #	ARL	JAN	MON
Legacy Seeds	LC-5819SSX	CB,LL,RR,RW	231	95	25.8	55	29	238	237	219					
Power Plus	3V14AM	CB,LL,RR-wo	* 261	* 100	26.0	55	34	261	* 262	* 260					
AgriGold	A633-14VT2PRO	CB,RR	238	93	26.0	56	40	* 287	240	187					
Augusta Seed	A2856	CB,LL,RR	240	* 99	26.5	54	24	266	226	229					
Dairyland	DS-4310AM	CB,LL,RR	* 256	* 99	26.7	55	37	266	241	* 260					
Blue River Organic	54C27	None	236	94	27.2	53	47	261	213	234					
FS InVISION	FS 55RL1 EZR	CB,LL,RR	239	* 99	27.2	53	25	259	222	236	247	* 99	253	233	255
AgriGold	A636-11STXRIB	CB,LL,RR,RW	243	97	27.3	54	30	268	238	223	241	98	222	* 255	246
Jung	56SS538	CB,LL,RR,RW	* 256	* 99	27.3	55	28	282	255	231	* 271	* 104	* 284	* 254	274
Dekalb	DKC56-65SSRIB	CB,LL,RR,RW	* 251	96	27.4	55	35	224	* 275	* 253					
Renk	RK726H	CB,LL,RR	* 248	* 103	27.6	52	15	269	233	* 243					
Legend Seeds	LR 9106 Powercore	CB,LL,RR	* 262	* 104	28.5	52	16	264	255	* 267					
Jung	56SS531	CB,LL,RR,RW	215	86	29.0	53	51	222	216	206					
Legend Seeds	LR 9004 DC5122EZREF	CB,LL,RR,RW	220	87	29.1	53	54	197	232	232					
MEAN			246	100	25.1	55	27	261	237	239	249	100	247	239	262
LSD(0.10)**			22	9	1.4	1	25	24	17	29	24	6	30	16	24

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 8. Southern Zone - Late Maturity Grain Trial. (page 1 of 2)

107 day Relative Maturity or later based on company rating (Arlington= ARL, Janesville= JAN, Montfort=MON)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	ARL	JAN	MON	Yield (bu/A)	P.I. #	ARL	JAN	MON
FS InVISION	FS 5704X RIB	CB,LL,RR,RW	220	97	26.4	56	25	213	219	227					
Jung	57SS530	CB,LL,RR,RW	226	93	26.4	56	50	210	* 259	210	231	98	215	224	255
ProHarvest	6746SXRIB	CB,LL,RR,RW	217	97	26.5	56	22	202	223	226					
Renk	RK771RR	RR	* 245	* 105	26.6	53	16	243	243	247					
Cornelius	6869	None	* 263	* 108	26.7	53	16	* 284	250	256	* 273	* 108	* 283	246	* 291
ProHarvest	6828VT2PRIB	CB,RR	237	* 99	27.1	55	30	256	244	212	248	* 104	243	239	262
Blue River Organic	57A30	None	* 256	* 106	27.3	54	15	259	248	261					
Dekalb	DKC58-34SSRIB	CB,LL,RR,RW	240	* 101	27.6	55	18	241	246	231	235	100	230	233	241
Viking	48-08	None	* 246	* 107	27.6	52	5	262	249	226	251	* 103	255	236	262
Power Plus	3M62AM	CB,LL,RR	* 245	* 100	28.1	55	33	253	* 276	205					
105-DAY HYBRID TRIAL AVERAGE##					28.5										
Blue River Organic	62G22	None	* 254	* 105	28.7	54	16	236	* 255	* 271					
FS InVISION	FS 5892V RIB	CB,RR	232	97	28.8	54	32	258	214	223					
FS InVISION	FS 60UX1 RIB	CB,LL,RR,RW	234	98	29.2	55	31	230	241	232	* 259	* 104	240	* 254	* 283
LG Seeds	LG57C97VT2PRO	CB,RR	220	96	29.3	53	25	229	211	219					
Cornelius	C577SS	CB,LL,RR,RW	* 263	* 106	29.5	55	17	* 289	* 256	245	* 269	* 107	* 263	* 252	* 290
Cornelius	C575DP	CB,RR	235	98	29.6	53	28	247	* 257	200	* 261	* 106	* 262	243	* 278
LG Seeds	LG60C47STXRIB	CB,LL,RR,RW	234	97	29.7	53	31	276	218	207					
Jung	58SS529	CB,LL,RR,RW	* 247	* 101	29.8	53	27	257	* 259	225	247	102	213	246	* 282
AgriGold	A638-74VT2RIB	CB,RR	* 268	* 108	29.8	56	15	* 321	* 258	226	* 259	* 104	233	245	* 299
Cornelius	C6720DP	CB,RR	217	96	30.1	54	22	218	211	223					
Legend Seeds	LR 9109 VIP3220A	CB,LL,RR	218	91	30.3	54	40	167	* 255	233					
AgriGold	A637-56VT2PRO	CB,RR	* 242	* 102	30.3	54	14	275	211	238					
Renk	RK765VT2P	CB,RR	239	* 103	30.5	54	9	277	246	193	251	* 105	* 270	230	253
Dekalb	DKC59-81SSRIB	CB,LL,RR,RW	* 253	* 102	30.6	55	25	246	* 260	251	239	100	220	* 259	238
Cornelius	C7125DP	CB,RR	* 262	* 106	30.6	53	16	* 298	250	239	* 266	* 104	242	* 256	* 300
Viking	58-11	None	* 260	* 105	30.6	53	20	272	242	* 266					
FS InVISION	FS 5909D2A EZR	CB,LL,RR,RW	226	92	30.7	55	44	196	249	234					
Renk	RK700SSTX	CB,LL,RR,RW	* 247	* 101	31.0	54	23	245	249	248					
Tracy Seeds	T107-31	CB,LL,RR,RW	213	97	31.0	54	10	202	227	211					
NK Brand	NK1026-3330	CB,LL,RR	* 253	* 106	31.1	53	7	266	253	239					
Dairyland	DS-4878AM	CB,LL,RR	* 262	* 105	31.3	54	19	267	231	* 289					
AgriGold	A639-70STXRIB	CB,LL,RR,RW	211	91	31.3	53	33	240	200	193	238	99	188	243	* 285
110-DAY HYBRID TRIAL AVERAGE##					31.4										
Power Plus	4F71AM	CB,LL,RR	* 249	* 102	31.6	54	17	268	238	241					

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Table 8 (continued). Southern Zone - Late Maturity Grain Trial. (page 2 of 2)

107 day Relative Maturity or later based on company rating (Arlington= ARL, Janesville= JAN, Montfort=MON)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	ARL	JAN	MON	Yield (bu/A)	P.I. #	ARL	JAN	MON
Renk	RK937VT2P	CB,RR	* 250	* 100	31.7	54	28	278	* 265	207	241	98	217	247	259
Renk	RK866DGVT2P	CB,DT,RR	* 245	* 100	31.7	54	23	252	252	230					
Dekalb	DKC61-41VT2PRIB	CB,RR	* 268	* 105	31.8	53	23	* 293	* 254	256	* 278	* 108	* 280	* 266	* 288
Golden Harvest	G10D21-3330 EZ1	CB,LL,RR	* 250	* 103	32.0	53	13	237	251	261					
Dekalb	DKC63-91VT2PRIB	CB,RR	* 267	* 105	32.3	53	18	278	* 276	246					
Renk	RK805VT2P	CB,RR	237	97	32.6	55	24	216	246	249					
Jung	59SS581	CB,LL,RR,RW	* 260	* 102	32.7	53	24	* 288	250	242					
AgriGold	A642-47STX	CB,LL,RR,RW	* 244	98	32.7	55	29	250	* 255	228					
Cornelius	C7004DP	CB,RR	* 251	* 102	32.8	54	17	268	237	248					
Tracy Seeds	T109-51	CB,LL,RR,RW	201	84	33.0	53	49	158	220	224					
O'Brien Hybrids	OB1109	None	* 242	* 100	33.2	53	17	254	225	248	252	101	252	224	* 280
FS InVISION	FS 6106X RIB	CB,LL,RR,RW	* 271	* 108	33.4	54	10	* 292	* 265	256					
LG Seeds	LG59C72VT2RIB	CB,RR	232	94	33.5	54	32	257	231	210					
Golden Harvest	G10L16-3330A	CB,LL,RR-wo	235	96	33.5	53	28	223	248	235	208	88	178	230	217
Renk	RK882SSTX	CB,RR	* 270	* 105	34.0	55	15	* 326	* 261	222					
Renk	RK807SSTX	CB,RR	226	96	34.1	55	20	220	238	221	215	91	166	232	246
Dekalb	DKC64-44SSRIB	CB,LL,RR,RW	227	97	34.1	55	13	205	253	223					
NK Brand	NK1082-5222A	CB,LL,RR,RW-wo	236	96	34.2	54	29	223	252	234					
O'Brien Hybrids	OB1188	None	* 262	* 106	34.5	54	8	282	* 254	249					
AgriGold	A641-54VT2RIB	CB,RR	224	95	35.3	54	20	228	230	215	245	100	232	237	266
NK Brand	NK1188-5122	CB,LL,RR,RW	227	93	35.6	55	27	224	232	224					
AgriGold	A641-06STXRIB	CB,LL,RR,RW	228	96	35.7	55	17	220	250	214	234	98	219	227	257
MEAN			242	100	30.9	54	22	249	243	233	243	100	228	238	262
LSD(0.10)**			29	9	1.8	1	20	42	22	26	25	7	34	17	28

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 9. South Central Zone - Early Maturity Grain Trial. (page 1 of 2)

101 day Relative Maturity or earlier based on company rating (Fond du Lac= FON, Galesville= GAL, Hancock= HAN)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	FON	GAL	HAN	Yield (bu/A)	P.I. #	FON	GAL	HAN
Dairyland	DS-3519AM	CB,LL,RR	226	* 101	19.3	57	0	* 219	240	217					
DuPont Pioneer	P9608Q	CB,LL,RR,RW	210	98	19.3	57	2	207	216	206					
LG Seeds	LG47C77VT2PRO	CB,RR	225	* 101	19.7	55	0	* 223	235	216					
Legend Seeds	40J9192 VIP3110A	CB,LL,RR	223	* 101	19.7	55	1	211	237	220					
Augusta Seed	A2448	CB,LL,RR	178	90	19.9	50	3	174	163	197					
Legend Seeds	LR 9995 VIP3220EZREF	CB,LL,RR	181	91	20.0	51	2	159	173	211					
NK Brand	NK9653-5222	CB,LL,RR,RW	227	* 101	20.1	55	0	208	* 274	199					
Viking	44-98	None	211	98	20.1	54	1	216	197	222	204	98	203	208	199
Federal Hybrids	4999VT2PRIB	CB,RR	* 238	* 104	20.4	54	0	* 227	259	230					
Viking	52-96	None	223	100	20.5	55	0	* 220	228	222	213	* 102	211	229	200
Tracy Seeds	T095-29	CB,LL,RR	225	* 101	20.7	56	1	218	235	223	197	97	208	202	181
Dekalb	DKC48-95VT2PRIB	CB,RR	223	100	20.8	55	1	* 222	223	223					
95-DAY HYBRID TRIAL AVERAGE##					20.8										
ProHarvest	4990VT2PRIB	CB,RR	* 244	* 105	20.9	54	0	* 228	* 276	229					
Dairyland	DS-3550AM	CB,LL,RR	228	* 101	21.0	54	0	201	265	217					
Hi Fidelity Genetics	HFG0951	None	214	98	21.1	54	0	200	218	225					
Dairyland	DS-3715AM	CB,LL,RR	219	99	21.1	53	1	186	243	227	211	* 100	* 220	207	206
Renk	RK579DGVT2P	CB,DT,RR	* 246	* 105	21.1	54	0	* 242	261	235	* 232	* 106	210	* 263	223
Federal Hybrids	4580VT2PRIB	CB,RR	223	100	21.3	55	0	* 220	239	211					
Viking	52-00	None	222	100	21.3	53	1	218	227	221					
Frontiersmen	100-W0VT2P	CB,RR	* 242	* 104	21.3	53	0	* 228	254	* 244	* 227	* 104	214	* 257	211
AgriGold	A627-83VT2RIB	CB,RR	224	100	21.4	56	0	201	261	209	218	* 103	195	* 247	212
DuPont Pioneer	P9772AM	CB,LL,RR	228	* 101	21.6	54	0	218	249	215					
Renk	RK600VT2P	CB,RR	* 254	* 107	21.6	53	0	* 219	* 282	* 259					
ProHarvest	X19510	CB,RR	* 252	* 106	21.7	53	0	* 222	* 287	* 247					
FS InVISION	FS 5098X RIB	CB,LL,RR,RW	* 249	* 105	21.7	53	0	* 241	* 272	233	* 234	* 106	* 232	* 255	215
Legacy Seeds	LC-3718DGVT2P	CB,DT,RR	* 235	* 102	21.7	53	0	218	262	225	* 235	* 106	216	* 259	228
Dairyland	DS-3810Q	CB,LL,RR,RW	217	99	21.8	53	1	* 236	194	222					
Federal Hybrids	4880VT2PRIB	CB,RR	206	96	21.8	54	0	189	228	200	195	96	198	204	184
Dekalb	DKC51-98SSRIB	CB,LL,RR,RW	* 231	* 102	21.9	54	1	* 248	228	217					
Croplan Genetics	3899VT2PRIB	CB,RR	221	99	21.9	53	0	* 225	231	206					
Latham	LH5047VT2PRO	CB,RR	* 245	* 105	22.0	54	0	* 230	263	* 242					
Augusta Seed	A2545	CB,LL,RR,RW	221	99	22.0	53	0	200	251	212					
Legend Seeds	LR 9100 Powercore	CB,LL,RR	213	97	22.1	53	1	174	260	204					
AgriGold	A630-10STX	CB,LL,RR,RW	* 245	* 104	22.1	53	0	* 221	* 287	226					

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Table 9 (continued). South Central Zone - Early Maturity Grain Trial. (page 2 of 2)

101 day Relative Maturity or earlier based on company rating (Fond du Lac= FON, Galesville= GAL, Hancock= HAN)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	FON	GAL	HAN	Yield (bu/A)	P.I. #	FON	GAL	HAN
Jung	49DP441	CB,RR	* 250	* 105	22.1	53	0	* 242	* 277	230					
Legacy Seeds	LC484-20SSX	CB,LL,RR,RW	227	* 101	22.3	54	0	* 223	240	218					
Legacy Seeds	LC-4248SSX	CB,LL,RR,RW	* 237	* 103	22.3	53	0	* 238	253	221					
Viking	99-00	None	219	99	22.4	54	1	209	237	212	210	99	195	218	217
AgriGold	A626-08STX	CB,LL,RR,RW	200	94	22.5	55	0	194	202	203					
FS InVISION	FS 51QX1 RIB	CB,LL,RR,RW	219	98	22.5	54	1	199	258	200	199	96	199	216	182
AgriGold	A630-31VT2RIBD1	CB,DT,RR	224	100	22.6	53	0	206	240	225					
AgriGold	A629-93	None	223	99	22.7	55	0	191	257	222					
100-DAY HYBRID TRIAL AVERAGE##					22.7										
Dairyland	DS-4014Q	CB,LL,RR,RW	226	100	22.7	53	1	209	251	219					
Cornelius	C6042DP	CB,RR	* 249	* 105	22.9	53	1	* 223	* 280	* 244					
Golden Harvest	G99E68-5122 EZ1	CB,LL,RR,RW	223	99	23.0	55	1	202	255	212					
NK Brand	NK9991-5122	CB,LL,RR,RW	* 229	100	23.2	54	1	213	257	217					
LG Seeds	LG51C48VT2RIB	CB,RR	227	100	23.3	54	0	204	250	228	* 229	* 103	208	* 254	225
Federal Hybrids	5005SSRIB	CB,LL,RR,RW	* 231	* 101	23.4	53	0	207	256	230					
Dekalb	DKC49-44SSRIB	CB,LL,RR,RW	215	97	24.3	54	1	193	236	217	* 224	* 102	215	240	219
Cornelius	C6002SS	CB,LL,RR,RW	218	98	24.3	53	0	217	233	205					
Dairyland	DS-4018AM	CB,LL,RR	* 230	100	24.5	53	1	197	263	228	210	97	203	219	207
AgriGold	A628-16VT2RIB	CB,RR	* 229	100	24.6	55	1	215	254	219					
Jung	51SS500	CB,LL,RR,RW	224	99	24.8	53	1	* 225	258	190					
Becks	5113AM	CB,LL,RR	226	99	24.9	53	0	200	264	213	217	* 101	203	230	219
NK Brand	NK9930-5122	CB,LL,RR,RW	207	94	25.1	53	1	144	259	217					
Hi Fidelity Genetics	HFG1001	None	213	96	25.5	55	2	186	229	224					
Blue River Organic	42C87	None	* 245	* 102	26.3	52	0	188	* 303	* 244					
Brunner	4010-5222EZ	CB,LL,RR,RW	207	93	26.4	54	0	137	* 278	206					
MEAN			225	100	22.1	54	1	209	247	220	212	100	207	224	205
LSD(0.10)**			25	6	1.5	3	1	29	37	18	21	8	15	33	19

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 10. South Central Zone - Late Maturity Grain Trial. (page 1 of 2)

102 day Relative Maturity or later based on company rating (Fond du Lac= FON, Galesville= GAL, Hancock= HAN)

			2020								2019			
			Average					Yield (bu/A)			Average			
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	FON	GAL	HAN	Yield (bu/A)	P.I. #	FON	HAN
Jung	53DP511	CB,RR	231	* 105	21.4	54	0	* 234	253	207				
Cornelius	C349SS	CB,LL,RR,RW	230	* 103	22.6	54	0	203	* 283	203	* 216	* 104	198	* 233
Latham	LH5487VT2PRO	CB,RR	225	* 102	22.9	54	0	197	271	207				
Cornelius	C6209DP	CB,RR	228	* 103	23.0	54	0	213	246	* 224				
Renk	RK642VT2P	CB,RR	232	* 104	23.0	54	0	208	* 272	216	205	* 101	197	214
Golden Harvest	G02K39-5122 EZ1	CB,LL,RR,RW	214	100	23.1	52	2	193	236	215				
NK Brand	NK0243-5122	CB,LL,RR,RW	219	100	23.5	52	2	185	259	214				
Viking	46-02	None	159	85	23.5	54	0	54	235	189				
Cornelius	C6219SS	CB,LL,RR,RW	221	101	23.6	53	0	199	249	215				
Federal Hybrids	5280VT2PRIB	CB,RR	* 233	* 104	23.6	53	0	192	271	* 237	* 221	* 105	* 209	* 233
Cornelius	6376	None	216	99	23.7	52	1	144	* 280	* 224	* 217	* 105	203	* 232
Dekalb	DKC52-34SSRIB	CB,LL,RR,RW	217	100	24.2	53	0	175	252	* 224				
Legacy Seeds	LC-5217VT2P(RIB)	CB,RR	226	* 102	24.4	54	0	188	268	222	* 218	* 105	* 215	* 222
Latham	LH5245VT2PRO	CB,RR	191	94	24.5	53	0	163	223	187				
Viking	55-02	None	223	101	24.5	55	1	179	262	* 228	205	100	195	* 215
100-DAY HYBRID TRIAL AVERAGE##					24.8									
Cornelius	C478DP	CB,RR	* 245	* 106	25.1	55	0	* 236	269	* 230	* 220	* 103	* 211	* 229
Renk	RK621VT2P	CB,RR	* 236	* 104	25.4	54	0	* 232	265	212	* 210	* 102	* 211	208
Tracy Seeds	T102-31	CB,LL,RR	228	* 102	25.4	54	0	193	268	* 223				
Jung	52SS501	CB,LL,RR,RW	214	98	25.4	53	0	182	252	207				
ProHarvest	6606VT2PRIB	CB,RR	229	* 102	25.5	55	0	212	255	218				
Dekalb	DKC54-64SSRIB	CB,LL,RR,RW	* 236	* 103	25.5	53	0	* 220	* 288	200				
Dairyland	DS-4440AM	CB,LL,RR	* 243	* 105	25.6	54	0	* 224	* 290	214	196	99	193	199
Renk	RK695GTCBLLBL	CB,LL,RR	219	99	25.8	54	0	167	266	* 223				
LG Seeds	LG54C04	None	* 239	* 103	25.9	54	1	213	* 293	209				
FS InVISION	FS 5704X RIB	CB,LL,RR,RW	213	98	25.9	55	0	180	261	199				
Legacy Seeds	LC-5319SSX	CB,LL,RR,RW	* 258	* 108	26.1	53	0	* 241	* 294	* 239	* 218	* 103	* 209	* 226
Dairyland	DS-4580Q	CB,LL,RR,RW	* 235	* 103	26.1	55	1	210	* 280	215				
Cornelius	C6401SS	CB,LL,RR,RW	* 260	* 109	26.1	53	0	* 260	* 283	* 236	* 221	* 104	* 210	* 231
FS InVISION	FS 53ZX1 RIB	CB,LL,RR,RW	229	* 102	26.2	53	0	* 219	254	215	* 214	* 103	* 208	* 219
FS InVISION	FS 5594X RIB	CB,LL,RR,RW	219	99	26.4	54	0	173	263	220	* 214	* 102	* 210	* 218
Brunner	4044	None	* 242	* 105	26.6	52	0	* 237	* 273	216	* 208	* 101	* 212	205
Latham	LH5517VT2PRO	CB,RR	226	101	26.8	54	0	202	255	221				
105-DAY HYBRID TRIAL AVERAGE##					26.8									
Jung	53SS521	CB,LL,RR,RW	* 236	* 103	26.9	52	0	* 222	* 282	206				

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Table 10 (continued). South Central Zone - Late Maturity Grain Trial. (page 2 of 2)

102 day Relative Maturity or later based on company rating (Fond du Lac= FON, Galesville= GAL, Hancock= HAN)

			2020								2019			
			Average					Yield (bu/A)			Average			
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	FON	GAL	HAN	Yield (bu/A)	P.I. #	FON	HAN
Augusta Seed	A3053	CB,LL,RR,RW	199	94	27.1	54	0	134	258	206				
Latham	LH5742RR	RR	* 243	* 104	27.3	52	0	205	* 284	* 240				
Renk	RK710DGVT2P	CB,DT,RR	226	100	27.3	53	0	200	265	213	206	100	199	212
Renk	RK626SSTX	CB,LL,RR,RW	215	98	27.3	52	2	201	234	210	* 213	* 103	199	* 227
AgriGold	A632-35-5222EZ	CB,LL,RR,RW	198	93	27.4	54	0	111	* 281	203				
Dekalb	DKC53-27SSRIB	CB,LL,RR,RW	230	101	27.4	52	0	213	267	211	198	99	195	202
NK Brand	NK0472-5222	CB,LL,RR,RW	214	97	27.4	54	0	181	260	201				
Hi Fidelity Genetics	HFG1051	None	229	101	27.4	52	0	185	* 280	222				
Latham	LH5377VT2PRO	CB,RR	224	99	27.4	52	0	190	* 280	202				
DuPont Pioneer	P0421AM	CB,LL,RR	* 238	* 103	27.5	52	0	* 221	* 290	204				
Golden Harvest	G03R40-5222 EZ1	CB,LL,RR,RW	196	92	27.7	54	1	139	255	193				
Legacy Seeds	LC533-20-5222	CB,LL,RR,RW	204	94	27.9	54	0	146	263	204				
Frontiersmen	107-A0GENSS	CB,LL,RR,RW	208	95	28.0	54	0	151	268	206				
Spectrum	5706	None	219	98	28.2	50	0	184	254	218				
FS InVISION	FS 55RL1 EZR	CB,LL,RR	218	98	28.3	52	0	188	267	198	182	93	166	197
Cornelius	C6528-3220	CB,LL,RR	231	101	29.0	52	0	208	* 278	207				
Blue River Organic	48G35	None	232	100	29.2	52	1	195	* 278	221				
Blue River Organic	51T59	None	230	100	29.3	53	1	200	* 291	198				
Dekalb	DKC56-65SSRIB	CB,LL,RR,RW	212	95	29.5	53	0	158	* 274	205				
NK Brand	NK0440-3122 EZ	CB,LL,RR,RW	214	96	29.5	52	0	154	267	221	201	98	188	213
O'Brien Hybrids	OB1177	None	198	89	36.3	53	0	172	247	175				
MEAN			223	100	26.2	53	0	191	267	212	203	100	198	209
LSD(0.10)**			27	7	2.1	1	1	46	22	17	16	4	15	18

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 11. North Central Zone - Early Maturity Grain Trial. (page 1 of 2)

94 day Relative Maturity or earlier based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Seymour= SEY, Valders= VAL)

			2020									2019				
			Average					Yield (bu/A)				Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	CHP	MAR	SEY	VAL	Yield (bu/A)	P.I. #	CHP	SEY	VAL
Jung	3316R	RR	199	* 100	18.1	55	4	223	* 206	171	197					
FS InVISION	FS 37TV1 RIB	CB,RR	181	95	18.4	55	0	221	199	128	176	164	94	181	170	142
Jung	40DP401	CB,RR	205	* 101	18.6	54	1	241	* 210	* 180	189					
Legend Seeds	JSC47J9185 VIP3110	CB,LL,RR	186	96	18.6	56	1	223	191	146	183					
Dairyland	DS-3366AM	CB,LL,RR	* 218	* 104	18.7	56	0	* 280	* 219	149	* 225					
DuPont Pioneer	P8736AM	CB,LL,RR	204	* 101	18.7	54	2	254	199	158	203					
Dekalb	DKC40-45VT2PRIB	CB,RR	* 208	* 102	18.8	55	2	236	* 206	171	* 217					
Golden Harvest	G85Z56-3220 EZ1	CB,LL,RR	190	97	18.9	56	1	249	195	140	177					
85-DAY HYBRID TRIAL AVERAGE##					18.9											
Spectrum	3496	None	187	96	19.1	56	2	225	187	153	182					
Frontiersmen	082-S8RR	RR	146	86	19.1	53	0	193	186	63	145					
Latham	LH4375VT2PRO	CB,RR	* 217	* 104	19.3	55	1	* 264	* 218	166	* 220					
Dairyland	DS-3162Q	CB,LL,RR,RW	* 217	* 104	19.4	54	1	* 267	* 212	* 193	199					
Federal Hybrids	4160VT2PRIB	CB,RR	* 208	* 102	19.5	53	0	228	201	* 177	* 226	* 204	* 104	* 219	* 205	187
Dekalb	DKC39-55VT2PRIB	CB,RR	* 207	* 101	19.6	55	1	244	* 210	173	199					
Viking	80-89	None	206	* 100	19.7	55	2	* 271	* 205	145	205					
DuPont Pioneer	P9188AM	CB,LL,RR	* 208	* 101	19.7	55	2	247	195	159	* 230					
Thunder Seed	T6190 VT2P	CB,RR	183	95	19.8	54	1	220	189	145	178					
Thunder Seed	T6791 VT2P	CB,RR	* 212	* 103	19.8	54	1	245	193	* 201	* 208	189	99	197	197	173
Becks	4421Q	CB,LL,RR,RW	* 210	* 102	19.8	54	1	256	195	156	* 234					
Legend Seeds	40J9192 VIP3110A	CB,LL,RR	* 207	* 101	19.9	55	2	251	193	171	* 215					
NK Brand	NK9175-3110A	CB,LL,RR-wo	* 213	* 103	19.9	55	1	257	* 214	169	* 211	180	95	* 219	168	152
Thunder Seed	T6993 VT2P	CB,RR	* 213	* 102	19.9	55	1	249	* 204	160	* 239	* 203	101	212	* 213	184
Golden Harvest	G84J92-3120A-EZ1	CB,LL,RR	193	97	20.0	57	2	255	195	139	185					
ProHarvest	X19330	CB,RR	184	96	20.0	55	1	220	193	146	180					
Jung	4D381RIB	CB,RR	202	* 100	20.0	55	1	244	* 204	162	198	194	100	216	* 202	164
FS InVISION	FS 4008V RIB	CB,RR	* 208	* 101	20.0	54	1	252	190	* 187	201					
Legacy Seeds	LC441-20VT2P	CB,RR	* 219	* 104	20.0	52	2	261	* 210	173	* 230					
Golden Harvest	G91V51-3110A	CB,LL,RR	202	* 100	20.0	55	2	240	195	173	198					
Dekalb	DKC43-75VT2PRIB	CB,RR	* 220	* 104	20.1	55	1	* 265	* 214	* 181	* 219	* 213	* 106	* 224	* 208	* 208
Dairyland	DS-3345AM	CB,LL,RR	* 209	* 102	20.1	57	2	257	* 216	176	189					
90-DAY HYBRID TRIAL AVERAGE##					20.1											
AgriGold	A622-65	None	* 211	* 102	20.1	54	2	248	* 216	162	* 219					
Jung	41DP400	CB,RR	* 221	* 105	20.1	55	2	255	* 212	* 194	* 222	199	101	208	193	* 195
Thunder Seed	T6094 VT2P	CB,RR	203	* 100	20.1	55	1	252	* 206	166	189	* 206	* 103	* 220	* 200	* 196

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Table 11 (continued). North Central Zone - Early Maturity Grain Trial. (page 2 of 2)

94 day Relative Maturity or earlier based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Seymour= SEY, Valders= VAL)

			2020									2019				
			Average					Yield (bu/A)				Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	CHP	MAR	SEY	VAL	Yield (bu/A)	P.I. #	CHP	SEY	VAL
Federal Hybrids	4010VT2P	CB,RR	181	94	20.2	54	2	222	196	138	168					
AgriGold	A619-75-3120EZ	CB,LL,RR	194	97	20.3	55	2	* 272	192	148	164					
Augusta Seed	A2541	CB,LL,RR	202	* 100	20.4	54	0	247	201	* 181	177					
Thunder Seed	T6992 VT2P	CB,RR	203	* 100	20.4	54	1	257	* 208	173	175	198	102	203	* 218	174
95-DAY HYBRID TRIAL AVERAGE##					20.4											
Federal Hybrids	4310VT2P	CB,RR	* 219	* 104	20.7	52	1	* 272	* 207	* 177	* 220					
DuPont Pioneer	P9492AM	CB,LL,RR	* 207	* 101	20.7	54	0	247	* 211	173	197	* 212	* 105	* 240	* 210	186
Golden Harvest	G89A09-5122 EZ1	CB,LL,RR,RW	195	97	20.7	55	1	255	191	150	183					
NK Brand	NK8920-5122	CB,LL,RR,RW	186	95	20.8	54	1	261	183	123	175					
Renk	RK499VT2P	CB,RR	* 214	* 103	20.8	52	1	247	* 205	* 184	* 222					
Dairyland	DS-3193AM	CB,LL,RR	* 211	* 101	20.9	54	2	259	* 209	169	205					
Viking	42-92	None	199	98	21.1	54	2	242	196	160	198	193	100	212	* 200	167
Renk	RK433VT2P	CB,RR	200	99	21.3	54	1	224	199	* 177	200	188	99	197	197	169
LG Seeds	LG44C27VT2RIB	CB,RR	200	99	21.4	53	1	237	189	* 196	178	202	102	216	* 207	182
ProHarvest	4255RR2	RR	* 214	* 102	21.5	53	2	239	* 206	* 189	* 220					
NK Brand	NK9227-5222A	CB,LL,RR,RW-wo	195	97	21.6	54	2	* 268	187	140	185					
Legacy Seeds	LC431-20SSX	CB,LL,RR,RW	* 224	* 105	21.6	53	1	261	* 209	* 192	* 232					
ProHarvest	4340VT2PRIB	CB,RR	* 207	* 101	21.7	54	0	250	191	176	* 211					
Federal Hybrids	4300VT2PRIB	CB,RR	205	* 100	22.0	54	1	* 262	197	* 179	180					
MEAN			203	100	20.0	54	1	247	201	164	199	193	100	209	195	175
LSD(0.10)**			17	5	1.0	2	2	18	16	24	33	15	4	23	18	26

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 12. North Central Zone - Late Maturity Grain Trial. (page 1 of 2)

95 day Relative Maturity or later based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Seymour= SEY, Valders= VAL)

			2020									2019				
			Average					Yield (bu/A)				Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	CHP	MAR	SEY	VAL	Yield (bu/A)	P.I. #	CHP	SEY	VAL
FS InVISION	FS 4507V RIB	CB,RR	223	* 103	20.7	55	1	266	201	181	* 243					
Dekalb	DKC45-95VT2PRIB	CB,RR	222	102	21.2	53	0	265	195	175	* 253					
Dairyland	DS-3519AM	CB,LL,RR	218	101	21.3	56	1	261	199	180	232	* 199	* 104	* 229	210	* 159
Federal Hybrids	4580VT2PRIB	CB,RR	215	101	21.5	54	0	252	194	171	* 243	* 200	* 102	* 245	199	156
Spectrum	4642	None	185	94	21.6	55	3	220	184	160	176					
NK Brand	NK9653-5222	CB,LL,RR,RW	212	100	21.7	55	0	261	181	177	231					
Jung	47DP410	CB,RR	212	100	21.7	53	0	252	188	164	* 244					
Golden Harvest	G97N86-3220 EZ1	CB,LL,RR	207	98	21.7	54	1	* 272	184	153	220					
Dairyland	DS-3715AM	CB,LL,RR	216	101	21.9	51	1	259	196	180	231	* 204	* 103	* 232	* 223	157
Viking	52-96	None	213	100	21.9	54	1	252	188	180	234	* 206	* 105	* 241	209	* 169
Thunder Seed	T6996 VT2P	CB,RR	216	101	22.0	54	0	256	187	176	* 244	* 199	* 102	* 235	207	157
ProHarvest	4545RR2	RR	211	99	22.0	53	1	255	185	176	228					
LG Seeds	LG5505VT2RIB	CB,RR	213	100	22.1	55	1	259	167	* 194	233					
ProHarvest	4630VT2PRIB	CB,RR	220	101	22.2	54	0	267	198	174	240	* 198	* 102	* 233	208	153
Legacy Seeds	LC-3517VT2P(RIB)	CB,RR	213	100	22.3	54	1	258	187	174	232	* 194	* 101	* 229	207	146
Viking	46-96	None	209	98	22.3	53	6	240	166	188	* 243					
Renk	RK561DGVT2P	CB,DT,RR	215	100	22.3	53	1	252	195	186	227	* 196	* 102	* 234	198	155
Dekalb	DKC48-95VT2PRIB	CB,RR	223	102	22.4	53	2	261	* 213	182	235					
Jung	47DP411	CB,RR	* 233	* 104	22.4	52	0	* 288	202	185	* 255					
95-DAY HYBRID TRIAL AVERAGE##					22.4											
Frontiersmen	096-R8VT2P	CB,RR	211	99	22.4	54	1	249	185	173	237	* 204	* 103	* 250	207	155
Augusta Seed	A2345	CB,LL,RR	202	97	22.5	53	1	262	183	168	193	* 197	* 103	* 247	191	154
Brunner	3960-5222EZ	CB,LL,RR,RW	196	95	22.5	54	1	239	179	146	219					
FS InVISION	FS 47TV1 RIB	CB,RR	219	101	22.7	53	1	269	196	181	229	185	98	212	192	152
ProHarvest	4990VT2PRIB	CB,RR	223	102	22.7	54	0	* 273	* 208	185	228					
LG Seeds	LG5465VT2RIB	CB,RR	212	99	22.8	54	1	265	188	178	218	* 201	* 104	219	202	* 181
Jung	47DP429	CB,RR	* 243	* 107	22.9	54	1	271	* 220	* 209	* 272					
Renk	RK593VT2P	CB,RR	* 231	* 104	22.9	53	1	* 280	201	189	* 253	* 204	* 103	223	213	* 175
Latham	LH4937VT2PRO	CB,RR	* 243	* 107	23.0	53	0	* 277	* 208	* 212	* 274					
Golden Harvest	G95M41-5122 EZ1	CB,LL,RR,RW	199	96	23.2	53	1	259	189	157	192					
Legacy Seeds	LC-3718DGVT2P	CB,DT,RR	227	* 103	23.2	53	1	268	* 206	* 192	239	* 204	* 102	* 238	198	* 176
AgriGold	A626-08STX	CB,LL,RR,RW	206	98	23.2	54	1	236	181	181	228					
Viking	44-98	None	222	102	23.3	52	0	248	193	* 194	* 253	183	97	215	180	155
Dairyland	DS-3550AM	CB,LL,RR	225	102	23.4	53	1	* 282	197	172	* 249					
Thunder Seed	T6098 VT2P	CB,RR	199	97	23.5	53	1	233	183	188	194	180	97	195	191	153

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Table 12 (continued). North Central Zone - Late Maturity Grain Trial. (page 2 of 2)

95 day Relative Maturity or later based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Seymour= SEY, Valders= VAL)

			2020									2019				
			Average					Yield (bu/A)				Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	CHP	MAR	SEY	VAL	Yield (bu/A)	P.I. #	CHP	SEY	VAL
Blue River Organic	38G54	None	193	94	23.6	53	2	239	165	169	200					
Renk	RK579DGVT2P	CB,DT,RR	226	102	23.6	53	1	269	* 204	171	* 260	* 208	* 103	* 233	* 225	* 166
Legacy Seeds	LC484-20SSX	CB,LL,RR,RW	221	101	23.7	53	1	255	199	175	* 256					
Dairyland	DS-3810Q	CB,LL,RR,RW	* 231	* 103	23.8	52	0	* 284	202	187	* 250					
Latham	LH4669SS	CB,LL,RR,RW	219	100	24.0	53	1	262	194	188	232					
100-DAY HYBRID TRIAL AVERAGE##					24.0											
FS InVISION	FS 5098X RIB	CB,LL,RR,RW	* 233	* 104	24.3	53	1	269	202	* 198	* 263					
DuPont Pioneer	P9772AM	CB,LL,RR	225	102	24.3	53	1	* 283	190	* 192	235					
Dekalb	DKC49-44SSRIB	CB,LL,RR,RW	214	99	24.3	53	0	255	181	190	228	185	95	* 232	191	132
Becks	4844SX	CB,LL,RR,RW	225	102	24.3	53	1	258	202	184	* 257					
NK Brand	NK9991-5122	CB,LL,RR,RW	203	96	24.4	54	1	267	180	171	193					
DuPont Pioneer	P9880AMXT	CB,LL,RR,RW	227	102	25.5	53	1	* 292	192	* 197	229					
Blue River Organic	42C87	None	213	98	25.6	50	1	263	166	169	* 253					
Latham	LH5245VT2PRO	CB,RR	192	94	25.6	53	1	234	172	178	185					
NK Brand	NK9930-5122	CB,LL,RR,RW	196	93	26.7	52	2	* 279	164	158	182					
O'Brien Hybrids	OB1103	None	224	98	30.7	51	3	264	182	* 195	* 255					
MEAN			216	100	23.1	53	1	261	190	180	233	192	100	224	196	155
LSD(0.10)**			15	4	1.5	1	2	20	16	21	32	17	5	26	17	22

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 13. Northern Zone Grain Trial. (page 1 of 2)

(Coleman= COL, Marshfield= MAR, Spooner dryland sand= SPD, Spooner irrigated sand= SPI, Spooner dryland silt loam= SPS)

			2020											2019					
			Average					Yield (bu/A)						Average		Yield (bu/A)			
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	COL	MAR	SPD	SPI	SPS		Yield (bu/A)	P.I. #	COL	SPD	SPI	SPS
Blue River Organic	14A91	None	178	93	17.3	55	6	182	189	182	170	167							
DeKalb	DKC31-85VT2PRIB	CB,RR	204	100	17.6	56	1	214	213	199	210	186							
Jung	32DP300	CB,RR	205	100	17.9	56	0	223	207	196	214	184		176	101	197	167	155	186
Dairyland	DS-2350RR	RR	209	100	18.0	54	6	217	206	210	213	198							
Dairyland	DS-2068RR	RR	198	98	18.1	56	0	188	187	216	207	190							
Renk	RK227VT2P	CB,RR	212	101	18.1	55	0	244	200	215	216	187							
Thunder Seed	T6085 VT2P	CB,RR	203	99	18.4	56	1	198	202	224	210	181		161	96	181	150	139	173
Dekalb	DKC33-37VT2PRIB	CB,RR	195	97	18.7	56	1	192	204	207	200	175							
80-DAY HYBRID TRIAL AVERAGE##					18.8														
Legacy Seeds	LC351-20VT2P	CB,RR	208	100	18.9	54	1	210	212	211	* 220	186							
Dairyland	DS-2220AM	CB,LL,RR	204	99	18.9	56	2	203	193	222	213	191		174	100	190	156	178	172
Federal Hybrids	3510VT2P	CB,RR	223	103	19.0	54	1	238	* 227	230	* 218	* 200							
ProHarvest	X20200	CB,RR	197	97	19.1	54	1	214	182	213	198	181							
Thunder Seed	T6185 VT2P	CB,RR	206	100	19.2	54	1	185	* 222	224	210	192							
Federal Hybrids	3790VT2PRIB	CB,RR	209	100	19.2	55	1	208	205	214	* 226	192		172	98	195	164	154	175
FS InVISION	FS 3508V RIB	CB,RR	220	103	19.3	54	1	239	* 221	216	* 221	* 202							
Dairyland	DS-2505AM	CB,LL,RR	211	100	19.3	56	1	239	186	* 232	209	188							
Thunder Seed	T6987 VT2P	CB,RR	210	100	19.4	55	0	217	* 219	203	* 221	188		180	101	190	163	* 192	176
Latham	LH3695VT2PRO	CB,RR	214	101	19.4	55	0	219	215	212	* 232	193							
FS InVISION	FS 37TV1 RIB	CB,RR	196	97	19.5	55	0	169	202	218	213	179		180	101	197	157	* 186	179
Dekalb	DKC36-86VT2PRIB	CB,RR	217	102	19.5	54	0	231	* 219	225	213	198							
Jung	39DP338	CB,RR	223	103	19.6	54	1	242	215	* 244	215	198		188	102	189	* 189	172	* 204
85-DAY HYBRID TRIAL AVERAGE##					19.7														
Dairyland	DS-2716Q	CB,LL,RR,RW	197	97	19.9	53	1	177	181	226	213	186							
ProHarvest	2749VT2PRIB	CB,RR	195	96	19.9	54	1	166	207	222	201	177		185	102	* 218	170	169	182
Renk	RK278VT2P	CB,RR	209	100	19.9	55	0	219	* 216	208	216	188		180	101	193	166	182	178
Dekalb	DKC37-50VT2PRIB	CB,RR	219	102	19.9	54	1	229	215	228	* 223	197		183	101	* 211	168	163	190
LG Seeds	LG5375VT2RIB	CB,RR	181	93	20.0	56	1	151	187	199	190	177		185	* 103	198	168	* 185	190
Brunner	2897GT-3120EZ	CB,LL,RR	224	103	20.1	55	1	246	200	* 241	* 232	* 200		183	101	183	* 184	179	188
Renk	RK256GT	RR	212	100	20.1	56	2	228	205	217	* 217	192							
Dairyland	DS-3366AM	CB,LL,RR	* 231	* 105	20.1	55	1	251	* 230	* 239	* 223	* 213							
Federal Hybrids	3810VT2P	CB,RR	215	101	20.2	53	0	241	197	231	213	193							
LG Seeds	LG42C63VT2RIB	CB,RR	220	102	20.3	53	1	* 267	209	218	214	193							
ProHarvest	X17315	CB,RR	218	102	20.3	54	0	246	201	* 234	* 220	190		179	100	181	168	171	* 198
Jung	36DP310	CB,RR	207	99	20.4	55	1	201	* 221	211	214	186		169	97	173	168	150	185

CONTINUED.

Table 13 (continued). Northern Zone Grain Trial. (page 2 of 2)

(Coleman=COL, Spooner dryland sand = SPD, Spooner irrigated sand = SPI, Spooner dryland silt loam = SPS)

			2020											2019					
			Average					Yield (bu/A)					Average		Yield (bu/A)			
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	COL	MAR	SPD	SPI	SPS	Yield (bu/A)	P.I. #	COL	SPD	SPI	SPS
Brunner	2820GT-3110A	CB,LL,RR	188	95	20.4	56	1	177	187	204	204	170						
Dairyland	DS-3030AM	CB,LL,RR	209	99	20.6	54	1	190	* 216	231	213	193	* 205	* 108	* 223	* 194	* 197	* 204
Thunder Seed	T6888 VT2P	CB,RR	215	101	20.6	54	0	251	199	224	* 217	186	188	102	198	168	* 191	* 196
Renk	RK287VT2P	CB,RR	212	100	20.7	54	0	244	199	218	210	188	184	101	182	176	* 185	193
Renk	RK312VT2P	CB,RR	* 230	* 104	20.7	54	0	* 275	* 223	231	* 225	194	182	100	188	163	* 191	187
Federal Hybrids	4160VT2PRIB	CB,RR	221	102	20.7	52	0	* 265	202	229	* 223	185	184	99	181	175	* 187	193
Blue River Organic	22K32	None	200	96	20.7	53	5	238	181	201	208	175						
Federal Hybrids	3880VT2PRIB	CB,RR	222	102	20.8	53	1	* 264	205	* 243	203	195						
Dairyland	DS-3193AM	CB,LL,RR	* 241	* 107	20.8	54	1	* 282	* 231	* 245	* 235	* 210						
Renk	RK315VT2P	CB,RR	205	99	20.9	54	0	205	197	222	211	192						
Jung	36DP318	CB,RR	211	99	20.9	54	2	211	210	* 237	214	181	190	* 103	206	170	* 187	* 197
Viking	80-89	None	* 227	103	21.1	54	2	* 257	211	* 252	* 224	190						
FS InVISION	FS 4008V RIB	CB,RR	223	102	21.1	53	1	* 255	211	* 232	* 227	189						
Legacy Seeds	LC413-20-3110	CB,LL,RR	221	102	21.2	55	1	240	202	* 243	* 222	197						
NK Brand	NK8618-3120A	CB,LL,RR-wo	222	102	21.2	55	0	251	* 218	225	* 222	192						
Federal Hybrids	4010VT2P	CB,RR	207	99	21.2	53	1	221	199	224	207	184						
90-DAY HYBRID TRIAL AVERAGE##					21.3													
Project Seeds	PS20EXP93GTCBLL	CB,LL,RW	212	100	21.3	54	0	* 256	202	217	200	186						
ProHarvest	X19330	CB,RR	209	99	21.3	53	0	221	208	224	216	176						
NK Brand	NK8920-5122	CB,LL,RR,RW	211	99	21.3	52	1	240	187	* 235	210	180						
Blue River Organic	08B55	None	169	89	21.4	57	8	172	153	176	173	171						
95-DAY HYBRID TRIAL AVERAGE##					21.5													
NK Brand	NK9175-3110A	CB,LL,RR-wo	220	101	21.5	54	2	241	193	* 244	211	* 209	* 198	* 104	* 226	* 189	172	* 204
ProHarvest	4340VT2PRIB	CB,RR	226	103	21.5	53	0	* 279	208	229	* 219	193	* 202	* 104	* 230	178	* 191	* 209
Legacy Seeds	LC-3048VT2P(RIB)	CB,RR	215	100	21.6	54	1	* 257	205	205	208	* 200	191	102	202	173	181	* 210
Blue River Organic	26B78	None	218	100	22.1	54	6	247	203	223	* 221	194						
Legacy Seeds	LC-3017VT2P(RIB)	CB,RR	224	102	22.2	53	0	243	* 219	226	* 229	* 201						
ProHarvest	4255RR2	RR	214	100	22.3	53	2	* 255	210	214	202	191						
NK Brand	NK9227-5222A	CB,LL,RR,RW-wo	217	100	22.6	52	1	* 278	183	229	209	184						
Latham	LH4242VT2PRO	CB,RR	218	101	22.6	53	0	243	213	226	215	194						
Latham	LH3937VT2PRO	CB,RR	* 230	103	22.8	53	0	* 267	* 224	* 238	* 230	189						
Renk	RK433VT2P	CB,RR	214	100	22.8	53	0	236	197	231	213	193	191	* 103	198	176	* 197	194
NK Brand	NK9535-3220	CB,LL,RR	197	95	22.9	54	3	200	180	229	194	180						
MEAN			211	100	20.3	54	1	227	204	222	213	189	180	100	193	168	172	187
LSD(0.10)**			14	3	0.8	1	2	29	15	20	18	14	14	5	27	15	22	14

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 14. Southern Zone - Early Maturity Silage Trial.

110 day Relative Maturity or earlier based on company rating (Arlington= ARL, Montfort=MON)

			2020									2019				
			Average									Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)		Yield	Milk per		Yield (T/A)	
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	ARL	MON	(T/A)	Ton	Acre	ARL	MON
Viking	O.45-97	None	8.1	* 3250	26200	63.7	37	57	32	8.3	7.8					
Viking	51-04	None	* 12.0	* 3260	* 39200	64.1	37	59	32	12.4	* 11.7	* 11.4	* 3210	* 36500	* 11.2	* 11.5
Augusta Seed	A2856	CB,LL,RR	10.4	* 3290	* 34100	65.2	38	61	31	11.3	9.5					
AgriGold	A638-74VT2RIB	CB,RR	* 13.2	* 3080	* 40900	65.7	39	55	29	* 15.2	11.3					
Jung	56SS538	CB,LL,RR,RW	* 11.6	* 3240	* 37500	65.8	35	58	33	12.6	10.6					
LG Seeds	LG59C66VT2RIB	CB,RR	* 12.1	* 3020	* 36400	65.9	40	56	27	* 14.0	10.2	* 11.6	2960	* 34600	* 10.2	* 12.9
Masters Choice	MC5790	None	* 11.8	* 3100	* 36400	66.7	38	58	29	12.0	11.5	* 11.7	* 3240	* 37800	* 11.1	* 12.2
Masters Choice	MCT5851	RR	* 11.3	* 3070	* 34600	66.9	41	56	28	11.8	10.7					
NK Brand	NK1026-3330	CB,LL,RR	10.7	* 3170	* 34000	67.1	40	57	29	11.6	9.8					
105-DAY HYBRID TRIAL AVERAGE##						67.2										
Viking	48-08	None	11.0	* 3130	* 34600	67.7	39	57	29	11.3	10.8	* 10.9	* 3200	* 35200	* 11.0	* 10.8
Dairyland	HiDF-3407RA	CB,LL,RR,RW	10.9	2790	30700	68.2	41	54	25	10.3	11.5	* 10.8	2740	29500	* 10.8	10.7
Viking	O.74-10	None	10.8	* 3260	* 35200	68.3	38	59	30	11.0	10.6					
Jung	57SS530	CB,LL,RR,RW	10.3	* 2970	30600	68.3	39	57	26	11.5	9.1					
O'Brien Hybrids	OB1185	None	* 11.8	* 3090	* 36500	68.6	40	58	28	12.5	11.1	* 12.1	* 3160	* 38100	* 12.0	* 12.1
NK Brand	NX10701-5122	CB,LL,RR,RW	* 11.9	* 3050	* 36400	68.7	39	57	27	* 14.2	9.5					
FS InVISION	FS 60UX1 RIB	CB,LL,RR,RW	10.8	* 3130	* 33600	68.8	38	57	29	11.4	10.1	* 10.4	* 3260	* 33700	9.2	* 11.6
110-DAY HYBRID TRIAL AVERAGE##						68.8										
Channel	209-15STXRIB	CB,LL,RR,RW	10.7	* 3210	* 35100	68.9	38	60	29	11.9	9.6	8.1	* 3250	26300	5.7	10.6
NK Brand	NK1082-5222A	CB,LL,RR,RW-wo	* 11.4	* 3130	* 35800	69.3	38	58	29	11.8	11.1					
AgriGold	A639-70STXRIB	CB,LL,RR,RW	10.9	* 3170	* 34500	69.6	40	59	28	12.0	9.7	9.2	* 3140	28500	7.3	* 11.0
LG Seeds	LG60C47STXRIB	CB,LL,RR,RW	10.1	* 3230	* 32600	70.1	40	58	29	11.4	8.7					
AgriGold	A636-16VT2RIB	CB,RR	10.3	2900	30100	70.5	42	53	25	11.5	9.1					
Dairyland	HiDF-4999Q	CB,LL,RR,RW	* 12.5	2920	* 36900	70.5	38	60	25	11.7	* 13.4					
Channel	210-98STXRIB	CB,LL,RR,RW	10.8	2750	29800	70.6	44	56	22	10.6	11.0	10.3	2870	29500	* 9.9	10.7
Dairyland	HiDF-3808RA	CB,LL,RR,RW	11.0	2820	30900	70.7	44	53	23	11.9	10.1					
Mycogen	BMR10B27RA	CB,LL,RR,RW-bmr	8.8	2860	25700	72.9	42	66	21	7.9	9.7					
MEAN			11.0	3070	33900	68.1	39	58	28	11.7	10.3	10.6	3090	33000	10.1	11.2
LSD(0.10)**			2.0	320	8600	2.9	4	3	6	2.1	1.8	1.8	210	6500	2.6	2.1

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 15. Southern Zone - Late Maturity Silage Trial.

111 day Relative Maturity or later based on company rating (Arlington= ARL, Montfort=MON)

			2020									2019				
			Average							Yield (T/A)		Average			Yield (T/A)	
			Yield	Milk per		Moist	NDF	NDFD	Starch			Yield	Milk per			
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	ARL	MON	(T/A)	Ton	Acre	ARL	MON
Cornelius	C7125DP	CB,RR	* 11.6	* 3150	* 36700	66.1	39	58	29	* 12.5	* 10.7	* 11.7	* 3250	* 38200	* 11.2	* 12.3
Latham	LH6285VT2PRO	CB,RR	* 11.6	* 3050	* 35400	67.2	39	57	28	* 13.9	9.3	* 11.6	* 2980	* 34900	* 10.9	* 12.4
NK Brand	NX11406-5222	CB,LL,RR,RW	* 12.4	* 3110	* 38500	67.4	41	55	28	* 13.3	* 11.5					
NK Brand	NK1239-5122	CB,LL,RR,RW	* 12.1	* 2960	* 35800	67.8	41	57	26	* 13.4	* 10.8					
Prairie Hybrids	8290	None	* 12.6	* 3080	* 38600	68.0	39	59	28	* 14.4	* 10.9					
Cornelius	C7366DGDP	CB,DT,RR	10.8	* 3150	* 33800	68.2	38	59	29	11.5	* 10.1	* 11.5	* 3050	* 35100	* 12.1	10.9
Prairie Hybrids	6590	None	* 11.6	* 3090	* 35800	68.5	39	57	28	* 13.7	9.5					
FS InVISION	FS 6395VDG RIB	CB,DT,RR	* 11.6	* 3040	* 35400	68.7	40	58	27	* 13.6	9.7					
Golden Harvest	G14N11-5222	CB,LL,RR,RW	* 11.3	* 3040	* 34300	68.7	40	55	28	11.3	* 11.2					
NK Brand	NK1460-5222	CB,LL,RR,RW	10.9	* 3030	* 33200	68.7	41	55	27	11.2	* 10.7					
LG Seeds	LG62C35VT2RIB	CB,RR	* 11.6	* 3070	* 35800	68.9	41	56	28	* 12.8	* 10.4					
Viking	58-11	None	10.7	* 2950	31700	68.9	42	56	26	12.1	9.3					
FS InVISION	FS 6194V RIB	CB,RR	* 11.2	* 2970	* 33400	69.1	39	58	27	11.0	* 11.3	* 11.3	* 3080	* 35000	* 10.8	* 11.9
NK Brand	NK1205-3120	CB,LL,RR	* 11.7	* 3190	* 37300	69.2	38	60	29	* 13.0	* 10.5	* 12.3	* 3150	* 38700	* 12.0	* 12.5
FS InVISION	FS 6106X RIB	CB,LL,RR,RW	* 12.4	* 3080	* 38500	69.3	38	58	29	* 14.1	* 10.8					
115-DAY HYBRID TRIAL AVERAGE##						69.3										
Dairyland	DS-5279Q	CB,LL,RR,RW	* 11.3	* 3150	* 35400	69.4	39	60	28	11.9	* 10.6					
Viking	O.82-14	None	* 11.5	* 3140	* 36300	69.4	40	59	28	* 12.7	* 10.3					
110-DAY HYBRID TRIAL AVERAGE##						69.4										
AgriGold	A641-54VT2RIB	CB,RR	10.8	* 3050	* 33300	69.6	41	55	27	12.1	9.6	* 10.8	* 3020	* 32500	* 10.7	10.8
Latham	LH6529SS	CB,LL,RR,RW	10.0	2880	28800	69.9	42	54	25	9.8	* 10.2					
Golden Harvest	G12S75-5122 EZ1	CB,LL,RR,RW	* 11.7	2870	* 33700	69.9	42	57	24	* 12.4	* 11.0					
AgriGold	A641-06STXRIB	CB,LL,RR,RW	10.8	* 2940	* 31800	70.3	42	57	24	11.2	* 10.5	* 10.2	* 3130	* 31900	* 9.3	11.1
Masters Choice	MCT6552-3110	CB,LL,RR	* 11.2	* 2950	* 33300	70.7	40	56	26	11.1	* 11.4	* 12.0	* 3070	* 36800	* 10.4	* 13.5
FS InVISION	FS 6107T	CB,RR	10.6	* 3110	* 32800	70.8	39	57	28	* 12.5	8.8					
AgriGold	A642-47STX	CB,LL,RR,RW	9.9	* 3110	30900	70.9	41	57	27	11.0	8.8					
FS InVISION	FS 6406X RIB	CB,LL,RR,RW	10.5	2840	29600	71.3	43	54	24	* 12.2	8.9					
Latham	EX6355GT	RR	* 11.6	2890	* 33200	71.4	42	57	24	* 12.9	* 10.3					
Dairyland	HiDF-3211RA	CB,LL,RR,RW	* 11.2	2880	* 32500	72.2	43	56	24	11.8	* 10.7					
Dairyland	HiDF-5202Q	CB,LL,RR,RW	10.2	* 2950	29900	72.2	40	59	25	11.0	9.4					
MEAN			11.3	3030	34100	69.4	40	57	27	12.3	10.3	10.5	3050	32200	10.1	10.9
LSD(0.10)**			1.7	270	6800	2.7	3	3	5	2.2	1.7	2.6	280	9300		2.3

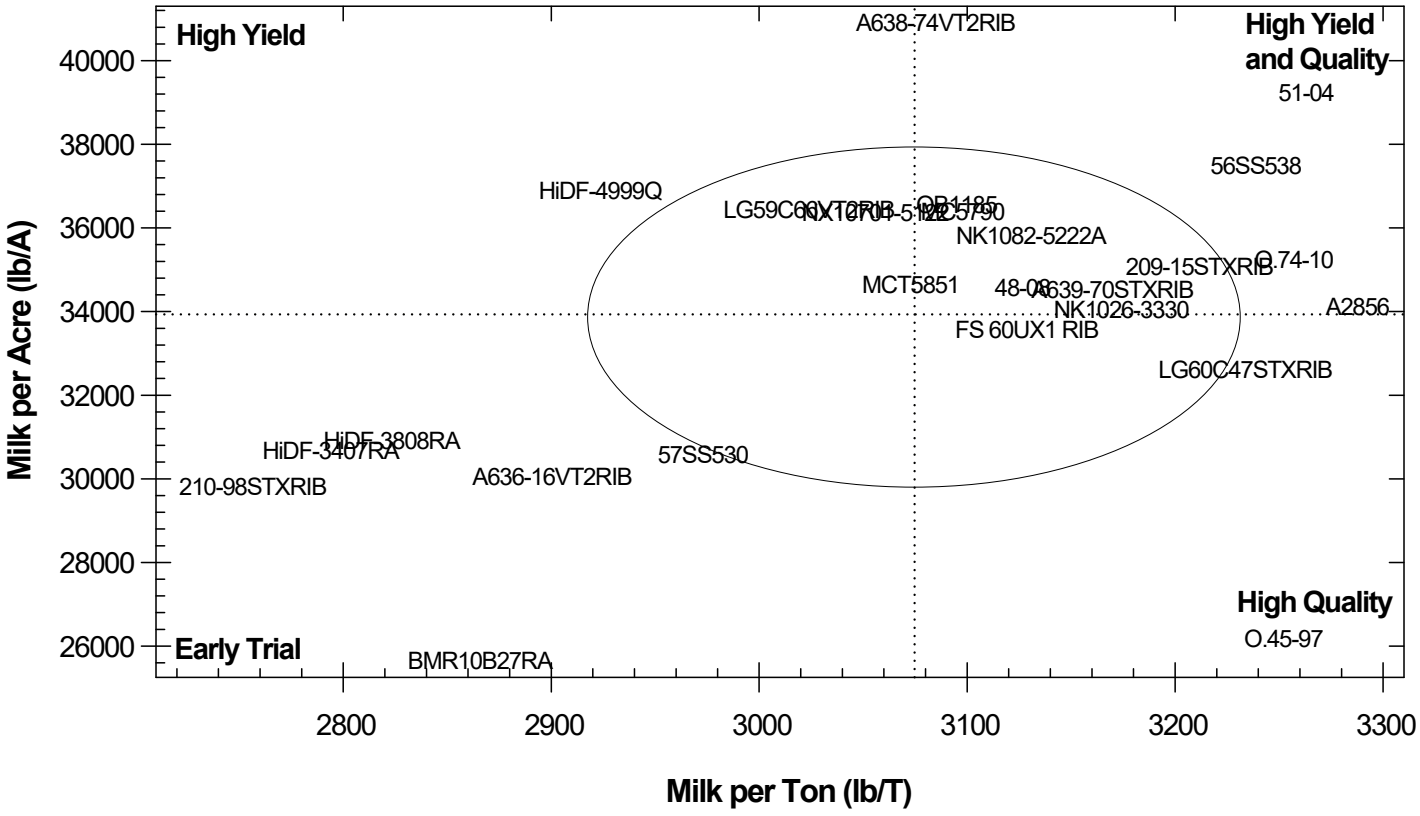
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Figure 2. Relationship between Milk per Acre and Milk per Ton of corn hybrids in Southern Wisconsin during 2020.



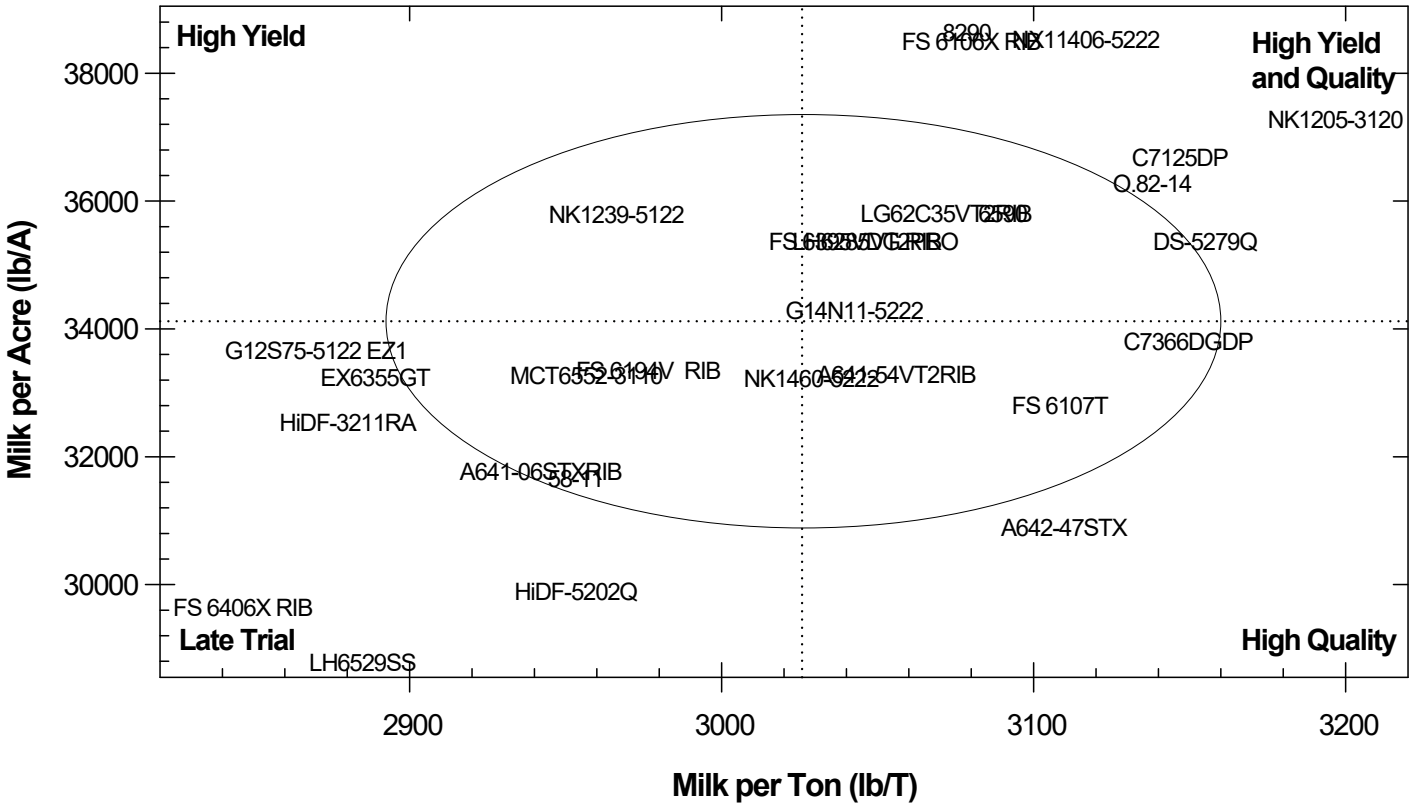


Table 16. South Central Zone - Early Maturity Silage Trial. (page 1 of 2)

106 day Relative Maturity or earlier based on company rating (Arlington= ARL, Fond du Lac= FON, Galesville= GAL)

			2020									2019				
			Average									Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)		Yield	Milk per		Yield (T/A)	
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	GAL	ARL	(T/A)	Ton	Acre	FON	ARL
AgriGold	A635-54VT2RIB	CB,RR	* 12.6	* 3310	* 41700	64.4	36	59	33	* 12.8	12.4	* 11.7	* 3140	* 36800	10.8	* 12.6
Viking	O.45-97UP	None	8.9	* 3280	29400	64.8	36	58	33	8.4	9.4	9.5	* 3170	30300	9.4	9.7
AgriGold	A632-35-5222EZ	CB,LL,RR,RW	11.8	3060	36200	65.7	40	57	28	* 12.7	10.9					
Viking	46-96	None	9.6	* 3140	30100	66.1	38	58	30	9.2	9.9					
Federal Hybrids	5570VT2PRIB	CB,RR	10.3	* 3310	34300	66.1	37	58	32	10.4	10.3					
Federal Hybrids	5370VT2PRIB	CB,RR	10.8	* 3160	34800	66.7	38	56	30	10.6	11.1					
Legacy Seeds	LC-5217VT2P(RIB)	CB,RR	12.1	* 3170	38500	67.0	37	58	31	11.4	* 12.9	* 10.3	* 3150	32500	* 11.0	9.7
FS InVISION	FS 55RL1 EZR	CB,LL,RR	11.0	* 3270	36100	67.1	38	62	30	* 12.1	9.9	* 10.4	* 3250	* 33900	9.6	11.2
Federal Hybrids	5480CONV	None	12.3	3060	37800	67.5	38	57	29	* 12.9	11.8					
Viking	51-04	None	11.5	* 3170	36500	67.6	37	58	30	* 12.1	11.0	* 10.6	* 3160	* 33500	10.6	10.6
Prairie Hybrids	4718	None	12.3	* 3230	* 39700	67.6	37	59	31	* 12.9	11.7	* 12.3	* 3300	* 40500	* 11.6	* 13.0
Dairyland	DS-4318AM	CB,LL,RR	* 13.6	* 3260	* 44300	67.6	37	59	31	* 14.1	* 13.1	* 11.3	* 3070	* 34900	10.6	* 12.0
NK Brand	NK0624-5222	CB,LL,RR,RW	11.4	* 3150	35700	67.7	40	59	28	11.5	11.3					
Dairyland	HiDF-3802Q	CB,LL,RR,RW	* 12.8	* 3270	* 41700	68.0	37	61	31	* 12.7	* 12.8					
Viking	O.69-01	None	9.2	* 3220	29800	68.0	39	60	29	10.4	8.0	* 11.4	3020	* 34500	* 10.9	* 11.9
Augusta Seed	A2856	CB,LL,RR	10.9	* 3320	36300	68.0	37	61	31	11.6	10.3					
FS InVISION	FS 5594X RIB	CB,LL,RR,RW	10.9	* 3150	34300	68.1	38	58	30	11.4	10.4	* 10.7	* 3150	* 33900	10.4	11.1
NK Brand	NK9991-5122	CB,LL,RR,RW	10.8	* 3130	33800	68.2	37	56	30	10.8	10.7					
AgriGold	A634-93	None	10.7	* 3240	34700	68.2	38	57	31	10.8	10.6	* 11.9	* 3290	* 39300	* 11.0	* 12.8
100-DAY HYBRID TRIAL AVERAGE##						68.2										
AgriGold	A636-16VT2RIB	CB,RR	12.1	* 3110	37700	68.3	39	56	29	* 12.9	11.4					
105-DAY HYBRID TRIAL AVERAGE##						68.4										
AgriGold	A633-14VT2PRO	CB,RR	11.3	* 3230	36600	68.5	37	56	31	11.6	11.1					
AgriGold	A630-10STX	CB,LL,RR,RW	11.6	* 3290	38100	68.5	36	58	32	* 11.9	11.2					
Channel	203-60TRERIB	CB,RR	11.6	3040	35500	68.8	40	56	28	* 12.3	11.0					
AgriGold	A636-11STXRIB	CB,LL,RR,RW	12.1	* 3160	38500	68.8	38	59	30	11.6	* 12.5	* 10.7	2980	31900	10.8	10.6
Jung	55DD520	CB,DT,RR	11.5	* 3180	36700	68.9	37	59	30	11.5	11.4					
Augusta Seed	A2054	CB,LL,RR	11.4	3100	35700	69.0	39	59	27	10.9	12.0					
NK Brand	NK0440-3122 EZ	CB,LL,RR,RW	12.2	3070	37500	69.4	40	58	27	* 12.4	12.0	* 10.5	* 3080	32500	* 11.1	9.9
Jung	56SS538	CB,LL,RR,RW	11.0	3090	33900	69.5	39	57	29	11.3	10.7	* 10.8	* 3100	* 33600	10.2	* 11.5
Latham	LH5589SS	CB,LL,RR,RW	11.3	3050	34800	69.6	40	57	27	11.5	11.1					
Cornelius	C6401SS	CB,LL,RR,RW	10.5	* 3140	33600	69.6	39	58	28	10.1	11.0					
Legacy Seeds	LC-5438CONV	None	11.6	2920	33800	69.7	42	56	24	11.5	11.7					
Channel	205-70STXRIB	CB,LL,RR,RW	10.5	* 3210	33800	69.8	37	59	30	10.7	10.2					
Dairyland	HiDF-4545Q	CB,LL,RR,RW	* 13.4	3100	* 41500	70.0	38	59	28	* 13.0	* 13.8					

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Table 16 (continued). South Central Zone - Early Maturity Silage Trial. (page 2 of 2)

106 day Relative Maturity or earlier based on company rating (Arlington= ARL, Fond du Lac= FON, Galesville= GAL)

			2020									2019				
			Average									Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)		Yield	Milk per		Yield (T/A)	
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	GAL	ARL	(T/A)	Ton	Acre	FON	ARL
Legacy Seeds	LC535-20GT	RR	11.4	2970	34400	70.4	41	57	26	11.0	11.9					
Legacy Seeds	LC551-20SSX	CB,LL,RR,RW	10.6	3030	32200	70.6	40	57	27	10.1	11.1					
Latham	LH5245VT2PRO	CB,RR	8.7	2970	26000	71.0	40	57	26	9.6	7.7	* 10.3	* 3160	32800	9.5	11.2
MEAN			11.3	3150	35700	68.2	38	58	29	11.5	11.1	10.5	3110	32900	10.6	10.5
LSD(0.10)**			1.2	210	5300	2.0	3	2	4	2.4	1.4	2.0	240	7100	0.8	1.8

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 17. South Central Zone - Late Maturity Silage Trial. (page 1 of 2)

107 day Relative Maturity or later based on company rating (Arlington= ARL, Fond du Lac= FON, Galesville= GAL)

			2020									2019				
			Average									Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)		Yield	Milk per		Yield (T/A)	
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	GAL	ARL	(T/A)	Ton	Acre	FON	ARL
Viking	58-11	None	* 13.1	* 3220	* 42400	65.9	36	61	31	* 14.0	* 12.3					
Viking	48-08	None	* 11.9	* 3210	* 38200	66.2	37	58	31	* 12.9	11.0					
Cornelius	C575DP	CB,RR	* 11.7	* 3220	* 37700	67.1	38	58	30	* 11.5	* 11.9	* 11.0	* 3140	* 34600	10.2	* 11.8
Latham	LH5965VT2PRO	CB,RR	* 12.3	* 3210	* 39700	67.1	37	57	32	* 12.8	* 11.8					
Cornelius	C577SS	CB,LL,RR,RW	10.9	* 3160	34500	67.2	39	59	29	10.7	11.1	* 10.5	* 3230	* 33900	10.2	* 10.8
Cornelius	6869	None	* 12.5	* 3160	* 39500	67.2	39	56	30	* 13.6	* 11.4	* 11.1	* 3150	* 34900	* 10.5	* 11.6
Spectrum	5706	None	10.4	* 3140	31900	67.2	38	57	30	11.2	9.5					
Prairie Hybrids	5787	None	* 12.6	3120	* 39300	67.4	39	57	29	* 14.0	11.3	* 10.8	* 3220	* 35100	10.3	* 11.3
Jung	57SS530	CB,LL,RR,RW	11.4	2950	33700	67.5	39	58	26	11.2	* 11.6	* 10.5	* 3080	* 32600	9.9	* 11.1
FS InVISION	FS 5892V RIB	CB,RR	* 11.8	3090	* 36900	67.6	41	57	28	* 13.5	10.1					
Renk	RK882SSTX	CB,RR	* 11.8	* 3210	* 38000	67.6	38	58	31	* 12.9	10.7					
Latham	LH5742RR	RR	* 11.6	* 3150	* 36700	67.7	38	57	30	* 11.9	* 11.4	* 10.9	* 3190	* 34800	10.1	* 11.6
Renk	RK937VT2P	CB,RR	* 12.2	2950	36000	67.8	41	57	26	* 12.4	* 12.0	* 11.6	2840	* 33100	* 10.9	* 12.4
Masters Choice	MCT5851	RR	11.2	* 3190	36000	67.8	39	58	29	* 11.5	11.0					
Dekalb	DKC59-07SSRIB	CB,LL,RR,RW	* 11.6	* 3170	* 36600	67.9	38	58	30	* 13.6	9.5					
LG Seeds	LG59C66VT2RIB	CB,RR	* 11.5	2890	33500	67.9	41	54	26	10.7	* 12.3	* 11.3	* 2990	* 33900	* 11.0	* 11.7
Renk	RK866DGVT2P	CB,DT,RR	* 12.6	3030	* 38400	68.1	38	59	28	* 13.3	* 12.0					
Dairyland	DS-5018AM	CB,LL,RR	10.9	* 3260	35600	68.1	37	60	31	10.8	11.0	* 10.2	2950	* 30200	* 10.9	9.4
NK Brand	NK1026-3330	CB,LL,RR	10.7	3090	33200	68.3	40	57	27	10.4	11.1					
Dekalb	DKC63-91VT2PRIB	CB,RR	* 11.7	* 3320	* 39200	68.4	37	59	32	* 13.0	10.5					
NK Brand	NX10701-5122	CB,LL,RR,RW	* 12.6	2930	* 36800	68.5	40	56	26	* 12.4	* 12.9					
Prairie Hybrids	5200	None	10.7	3040	32600	68.5	39	57	28	9.7	* 11.6	* 10.4	2970	* 30900	* 10.5	* 10.3
Masters Choice	MC5790	None	* 11.7	* 3190	* 37500	68.6	38	59	29	* 12.5	11.0	* 11.1	* 3180	* 35400	9.7	* 12.5
Legacy Seeds	LC634-20SSX	CB,LL,RR,RW	11.4	2990	34500	68.8	41	56	26	* 12.3	10.5					
110-DAY HYBRID TRIAL AVERAGE##						68.8										
Prairie Hybrids	6590	None	10.0	2810	30200	68.9	43	55	24	9.1	11.0					
FS InVISION	FS 5704X RIB	CB,LL,RR,RW	10.2	3060	31400	68.9	38	57	29	10.8	9.6					
Viking	O.74-10	None	10.6	3100	32900	69.0	40	58	28	* 11.4	9.8					
105-DAY HYBRID TRIAL AVERAGE##						69.0										
Dairyland	HiDF-3407RA	CB,LL,RR,RW	* 11.6	2900	33700	69.0	42	55	25	* 12.2	11.0	* 10.6	2870	* 31000	9.5	* 11.7
LG Seeds	LG57C33STXRIB	CB,LL,RR,RW	* 12.3	3020	* 37300	69.1	39	57	27	* 13.1	* 11.6					
Golden Harvest	G10D21-3330 EZ1	CB,LL,RR	10.7	2990	31900	69.1	42	56	26	10.8	10.5					
FS InVISION	FS 60UX1 RIB	CB,LL,RR,RW	11.2	3100	34700	69.2	39	58	28	11.3	11.0	9.4	* 3070	29100	* 10.5	8.2
115-DAY HYBRID TRIAL AVERAGE##						69.3										
NK Brand	NK1188-5122	CB,LL,RR,RW	10.8	3000	32700	69.3	40	58	26	10.0	* 11.6					

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Table 17 (continued). South Central Zone - Late Maturity Silage Trial. (page 2 of 2)

107 day Relative Maturity or later based on company rating (Arlington= ARL, Fond du Lac= FON, Galesville= GAL)

			2020									2019				
			Average									Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)		Yield	Milk per		Yield (T/A)	
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	GAL	ARL	(T/A)	Ton	Acre	FON	ARL
Renk	RK807SSTX	CB,RR	11.0	2760	30700	69.5	42	55	23	10.3	* 11.6	9.3	2910	27000	* 10.8	7.8
Renk	RK805VT2P	CB,RR	10.9	2980	32700	69.5	42	56	25	* 11.4	10.5					
Augusta Seed	A5162	CB,LL,RR,RW	* 12.1	2930	35300	69.8	41	57	26	* 11.7	* 12.4					
Prairie Hybrids	4850	None	11.1	3000	33600	69.9	41	56	26	11.2	11.1					
FS InVISION	FS 5909D2A EZR	CB,LL,RR,RW	* 11.7	3070	* 36400	69.9	40	57	28	10.8	* 12.7					
NK Brand	NK1239-5122	CB,LL,RR,RW	11.3	2840	32300	70.0	43	57	23	11.1	* 11.5					
NK Brand	NX11003-5122	CB,LL,RR,RW	* 12.5	* 3170	* 39700	70.0	38	58	30	* 12.5	* 12.5					
Renk	RK945DGVT2P	CB,DT,RR	* 12.0	* 3190	* 38300	70.0	38	59	29	* 12.2	* 11.8	* 11.4	2980	* 34200	* 10.5	* 12.3
AgriGold	A637-56VT2PRO	CB,RR	10.4	3020	31500	70.4	40	55	27	10.6	10.2					
Legacy Seeds	LC-7236-5222	CB,LL,RR,RW	11.1	2980	33000	70.6	41	55	26	11.2	11.0					
Golden Harvest	G10L16-3330A	CB,LL,RR-wo	10.6	3020	32000	70.8	40	57	27	* 11.4	9.8					
Dairyland	HiDF-4999Q	CB,LL,RR,RW	* 12.3	2870	35200	71.0	39	59	25	* 12.1	* 12.5					
Dairyland	HiDF-3808RA	CB,LL,RR,RW	11.1	2750	30900	71.3	45	53	22	10.6	* 11.6	9.3	2550	23800	10.1	8.5
Masters Choice	MCT6552-3110	CB,LL,RR	11.1	2960	33600	71.4	40	56	26	10.1	* 12.2					
O'Brien Hybrids	OB1177	None	10.3	2780	29000	72.4	44	54	23	10.2	10.5					
Mycogen	BMR10B27RA	CB,LL,RR,RW-bmr	8.1	2770	22800	74.9	44	65	19	7.4	8.8					
MEAN			11.4	3040	34800	68.9	40	57	27	11.6	11.2	10.4	3030	31600	10.3	10.5
LSD(0.10)**			1.7	190	6200	2.4	3	2	3	2.7	1.5	1.7	240	6900	0.8	2.4

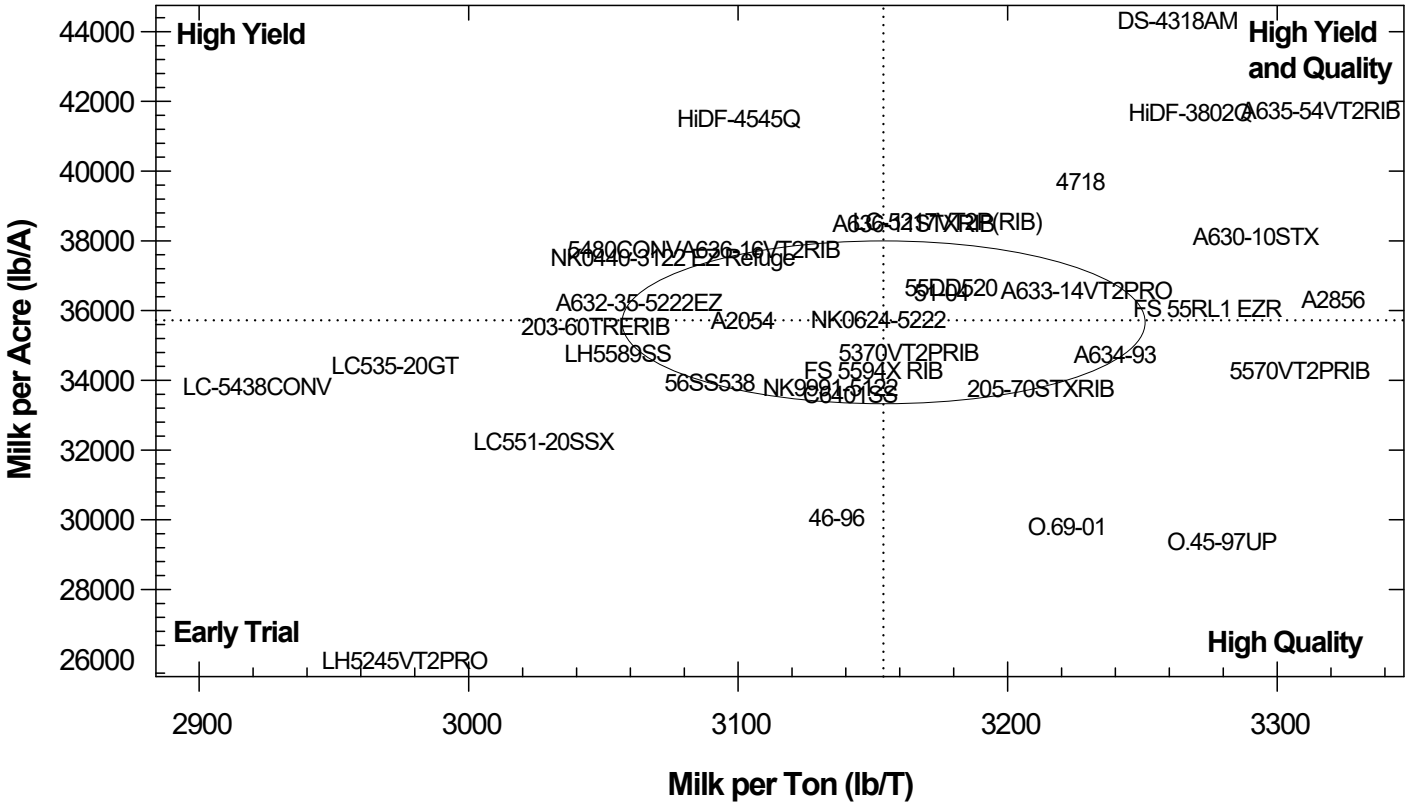
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Figure 3. Relationship between Milk per Acre and Milk per Ton of corn hybrids in South Central Wisconsin during 2020.



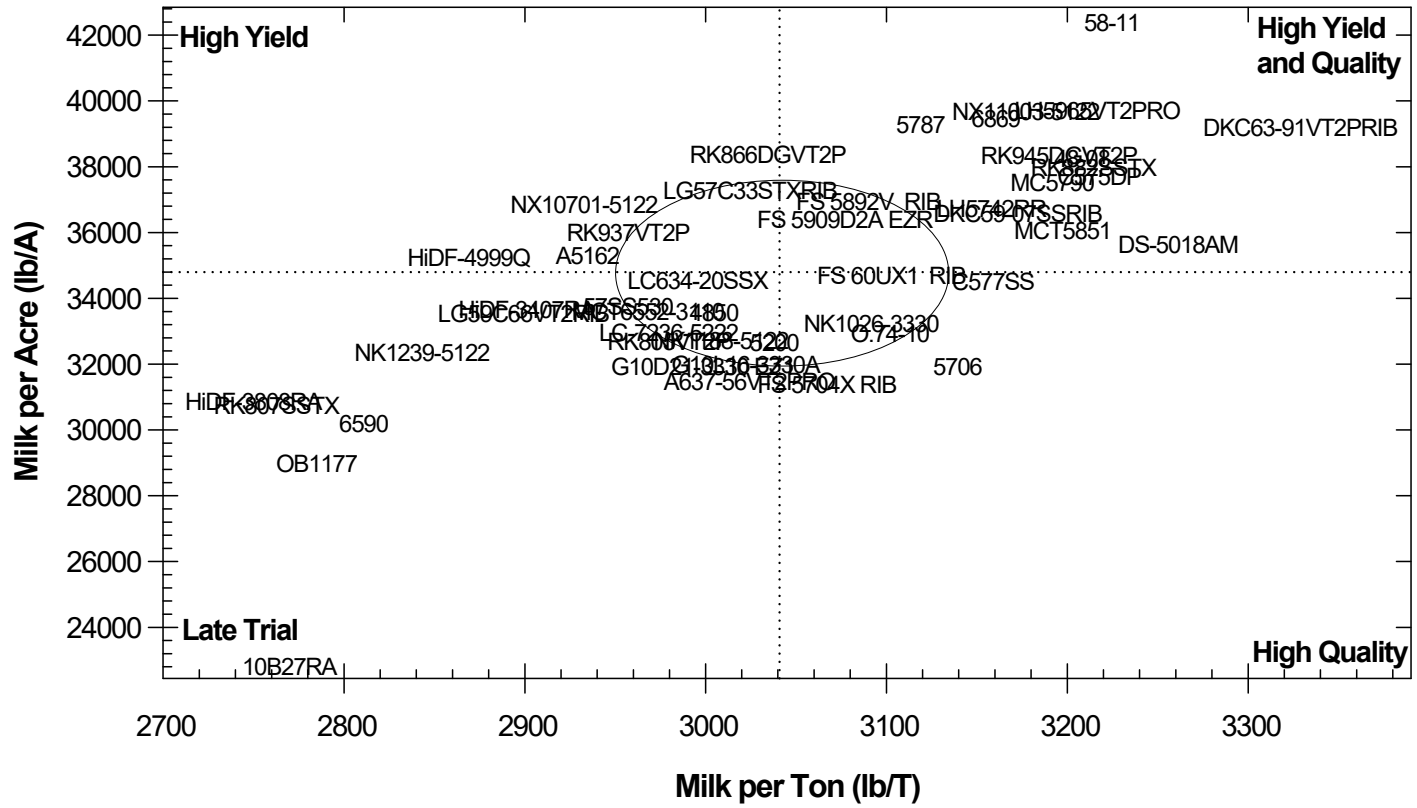


Table 18. North Central Zone - Early Maturity Silage Trial.

100 day Relative Maturity or earlier based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Valders= VAL)

			2020										2019				
			Average										Average				
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)			Yield	Milk per			
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	CHP	MAR	VAL	(T/A)	Ton	Acre	CHP	VAL
Spectrum	3496	None	9.6	* 3200	30600	57.6	37	59	33	9.4	9.2	* 10.2					
Viking	46-96	None	9.5	* 3270	31100	57.6	35	61	35	9.7	* 9.6	* 9.2					
Dekalb	DKC40-45VT2PRIB	CB,RR	9.3	2990	27900	58.3	38	56	31	10.0	9.0	8.9					
90-DAY HYBRID TRIAL AVERAGE##						60.4											
Viking	42-92	None	9.3	* 3170	29600	60.5	37	59	32	9.1	9.1	* 9.8	8.0	* 3220	25800	8.2	7.8
Spectrum	4642	None	9.0	3100	28100	61.4	36	58	32	10.2	8.6	8.4					
NK Brand	NK9930-5122	CB,LL,RR,RW	* 9.9	* 3190	* 31700	62.4	39	59	31	* 11.1	* 9.8	8.8					
Viking	O.31-91	None	9.1	* 3210	29100	62.5	37	63	31	* 11.0	8.8	7.6					
Augusta Seed	A2448	CB,LL,RR	9.0	* 3230	29100	62.8	36	56	33	9.8	9.1	8.1					
Channel	195-85DGVT2PRIB	CB,DT,RR	* 10.2	* 3130	* 32100	63.4	37	59	31	10.6	* 9.6	* 10.5					
Viking	O.45-97UP	None	9.0	* 3160	28600	63.5	37	59	32	9.8	7.3	* 9.8	8.3	* 3290	27500	* 9.2	7.4
95-DAY HYBRID TRIAL AVERAGE##						63.8											
NK Brand	NK9653-5222	CB,LL,RR,RW	9.7	3060	29900	64.4	38	58	30	* 11.0	8.7	* 9.5					
Legacy Seeds	LC484-20SSX	CB,LL,RR,RW	* 10.3	* 3130	* 32300	64.4	37	60	31	* 11.4	9.2	* 10.2					
Dairyland	DS-3715AM	CB,LL,RR	9.0	* 3250	29300	64.6	37	58	32	10.0	8.8	8.3	8.6	* 3290	28100	* 8.9	8.3
Dairyland	HiDF-3197RA	CB,LL,RR,RW	* 10.9	* 3140	* 34200	64.8	40	59	29	* 12.3	* 9.9	* 10.4	8.9	* 3220	28700	* 9.2	8.6
Jung	49SS437RIB	CB,LL,RR,RW	* 10.0	* 3120	31100	65.5	37	58	30	9.9	* 10.1	* 9.9	* 9.9	* 3280	* 32500	* 9.7	* 10.1
Channel	198-98STXRIB	CB,LL,RR,RW	* 9.9	2960	29600	65.7	40	58	27	* 11.0	* 10.4	8.3	8.8	3150	27800	* 8.8	8.8
100-DAY HYBRID TRIAL AVERAGE##						65.9											
Jung	48DP420	CB,RR	* 10.0	* 3200	* 32100	65.9	38	59	31	10.2	9.3	* 10.6					
Renk	RK600VT2P	CB,RR	* 10.9	* 3170	* 34900	66.0	38	59	31	* 12.4	* 10.4	* 10.1					
Golden Harvest	G99E68-5122 EZ1	CB,LL,RR,RW	9.7	3080	30200	66.3	38	58	29	10.1	9.1	* 9.9					
FS InVISION	FS 5098X RIB	CB,LL,RR,RW	* 10.4	3000	* 31500	66.4	39	57	28	10.7	* 10.2	* 10.4					
LG Seeds	LG5505VT2RIB	CB,RR	9.8	* 3180	* 31300	66.4	38	59	30	10.7	9.0	* 9.7					
AgriGold	A626-08STX	CB,LL,RR,RW	8.9	3090	27700	66.8	40	59	28	10.3	7.7	8.7					
NK Brand	NK9991-5122	CB,LL,RR,RW	* 10.0	* 3120	* 31200	66.9	37	57	30	10.0	* 10.3	* 9.7					
Dairyland	HiDF-3099RA	CB,LL,RR,RW	9.7	3080	29900	67.2	40	57	29	10.6	* 10.5	8.1	9.0	* 3360	* 30200	* 9.2	8.7
Mycogen	BMR97B37RA	CB,LL,RR,RW-bmr	8.2	* 3230	26500	67.5	38	64	30	8.4	8.5	7.8	7.0	3120	22000	7.7	6.4
AgriGold	A630-10STX	CB,LL,RR,RW	* 10.3	3020	* 31200	67.7	40	58	28	* 11.3	* 10.2	* 9.4					
Legacy Seeds	LC-3718DGVT2P	CB,DT,RR	9.8	3070	30300	68.2	38	58	29	9.8	9.1	* 10.6	* 9.1	* 3320	* 30200	* 8.8	* 9.3
MEAN			9.7	3130	30400	64.3	38	59	30	10.4	9.3	9.4	8.4	3240	27200	8.7	8.0
LSD(0.10)**			1.0	150	3700	3.2	2	2	3	1.4	1.2	1.5	0.8	180	3600	1.0	1.1

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 19. North Central Zone - Late Maturity Silage Trial.

101 day Relative Maturity or later based on company rating (Chippewa Falls= CHP, Marshfield= MAR, Valders= VAL)

			2020										2019					
			Average										Average					
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)			Yield	Milk per		Yield (T/A)		
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	CHP	MAR	VAL	(T/A)	Ton	Acre	CHP	MAR	VAL
Renk	RK621VT2P	CB,RR	*10.7	*3170	*34200	62.6	37	61	32	11.8	*11.2	*9.2	7.6	3020	*23400	9.4	*6.0	7.5
Renk	RK695GTCBLLBL	CB,LL,RR	9.1	*3140	28600	62.7	38	58	31	11.7	*10.2	5.4						
Augusta Seed	A3053	CB,LL,RR,RW	9.3	*3120	28800	63.6	39	59	29	10.9	*10.1	6.9						
Legacy Seeds	LC533-20-5222	CB,LL,RR,RW	*9.8	*3120	*30700	63.8	40	58	29	11.2	*10.3	7.8						
Jung	53DP511	CB,RR	8.9	*3250	29200	64.7	38	60	31	9.3	8.5	*9.0						
Legacy Seeds	LC-5217VT2P(RIB)	CB,RR	9.3	*3240	*30200	65.1	36	59	32	10.4	9.9	7.5	*8.1	3020	*24800	9.3	*7.5	7.5
FS InVISION	FS 53ZX1 RIB	CB,LL,RR,RW	9.1	*3210	29300	65.3	36	60	32	10.1	9.9	7.2	6.9	3020	21100	8.3	5.8	6.4
Latham	LH5245VT2PRO	CB,RR	8.6	*3160	27300	66.1	37	62	30	10.0	8.4	7.4	7.5	*3040	22800	8.5	*6.7	7.1
Renk	RK642VT2P	CB,RR	*9.7	*3140	*30700	66.1	38	59	30	11.5	9.3	*8.4						
FS InVISION	FS 51QX1 RIB	CB,LL,RR,RW	9.5	3070	29200	66.2	38	58	29	10.4	8.8	*9.2	7.2	2990	21700	8.1	*7.0	6.6
Renk	RK765VT2P	CB,RR	9.3	*3120	29100	66.2	39	59	29	11.0	9.5	7.3	7.6	3030	*23300	9.0	*7.2	6.6
NK Brand	NK0624-5222	CB,LL,RR,RW	8.7	*3260	28500	66.3	39	61	30	10.6	8.3	7.2						
Latham	LH4989SS	CB,LL,RR,RW	9.5	2970	28200	66.4	39	55	28	9.7	9.8	*9.0						
Renk	RK710DGVT2P	CB,DT,RR	*9.7	3080	*30300	66.5	40	59	28	11.2	9.8	*8.1	*8.2	3020	*24900	9.1	*7.9	7.6
Renk	RK726H	CB,LL,RR	*10.0	*3270	*32900	66.6	39	60	31	11.3	9.5	*9.3						
Prairie Hybrids	5787	None	*10.0	*3230	*32300	66.6	37	62	31	11.3	9.6	*9.0	*7.8	*3210	*25500	*9.9	*7.1	6.5
105-DAY HYBRID TRIAL AVERAGE##						66.8												
NK Brand	NK0440-3122 EZ	CB,LL,RR,RW	*9.8	*3280	*31900	66.8	38	61	31	*13.0	*10.4	6.1	7.4	*3120	23000	8.1	*6.3	7.7
Dairyland	DS-4318AM	CB,LL,RR	*10.1	*3160	*32300	67.1	39	58	30	11.7	8.9	*9.8	7.7	3020	*23400	9.1	*8.1	5.8
100-DAY HYBRID TRIAL AVERAGE##						67.2												
Latham	LH5742RR	RR	*9.8	*3100	*30700	67.3	39	59	29	11.4	*10.2	*8.0						
110-DAY HYBRID TRIAL AVERAGE##						67.3												
Renk	RK771RR	RR	9.1	*3150	28700	67.5	38	60	30	11.3	9.5	6.6						
NK Brand	NX10701-5122	CB,LL,RR,RW	*10.8	3020	*32700	67.5	40	57	28	*13.0	*10.7	*8.6						
Jung	52SS501	CB,LL,RR,RW	*9.7	*3120	*30500	67.6	38	59	29	11.3	9.4	*8.5						
Prairie Hybrids	4850	None	*9.7	3040	29500	67.7	41	56	28	11.9	9.3	7.8						
Legacy Seeds	LC-5438CONV	None	*9.7	3090	*30200	67.8	40	61	28	*12.5	9.1	7.6						
Dekalb	DKC55-37SSRIB	CB,LL,RR,RW	9.5	*3110	29500	67.9	38	57	30	11.1	8.9	*8.3						
Golden Harvest	G02K39-5122 EZ1	CB,LL,RR,RW	9.1	*3150	28700	68.0	40	60	28	10.3	9.7	7.4						
Jung	51SS500	CB,LL,RR,RW	9.2	3040	28400	68.1	41	59	27	11.6	9.2	6.9	7.0	*3050	21600	7.9	*6.0	7.2
Masters Choice	MC5790	None	*9.8	3000	*29700	68.3	40.1	59	27.1	11.8	9.2	*8.5	*8.7	3000	*26300	9.6	*8.4	*8.2
Renk	RK700SSTX	CB,LL,RR,RW	*10.0	3060	*30600	68.4	39.3	59	27.5	10.6	10.0	*9.4						
Legacy Seeds	LC535-20GT	RR	*9.7	3060	*29800	68.5	39.1	60	28.3	11.2	9.5	*8.5						
Viking	O.69-01	None	6.9	*3210	22200	68.5	39.9	61	28.4	8.7	6.4	5.6	*8.5	*3090	*26300	*9.8	*8.1	7.5
Prairie Hybrids	5200	None	*10.0	*3160	*31600	68.6	37.9	60	29.7	11.9	9.9	*8.3	*7.9	3000	*24100	8.8	*7.2	7.8
Masters Choice	MCT5851	RR	9.4	3030	28700	68.6	41.6	57	26.8	10.3	9.4	*8.5						
Prairie Hybrids	4718	None	9.4	*3140	29600	68.6	38.1	60	29.6	10.6	*10.7	6.9	*8.3	*3150	*26300	9.0	*8.0	7.9
LG Seeds	LG57C33STXRIB	CB,LL,RR,RW	*10.2	2940	*30400	69.4	40.2	59	25.9	12.1	9.8	*8.6						
Masters Choice	MCT6552-3110	CB,LL,RR	*9.6	*3120	*30200	69.5	37.4	59	29.3	11.8	9.9	7.2						
Dairyland	HiDF-4545Q	CB,LL,RR,RW	*10.1	3080	*31900	69.6	39.4	62	27.5	*13.7	8.8	7.8						
Dairyland	HiDF-3802Q	CB,LL,RR,RW	9.0	*3140	28500	70.1	40	61	28	10.8	9.7	6.6						
MEAN			9.5	3130	29900	67.0	39	59	29	11.2	9.5	7.9	7.6	3020	23200	9.0	6.6	7.1
LSD(0.10)**			1.2	180	4500	1.8	2	2	3	1.5	1.1	1.9	0.9	170	3400	1.0	2.5	1.3

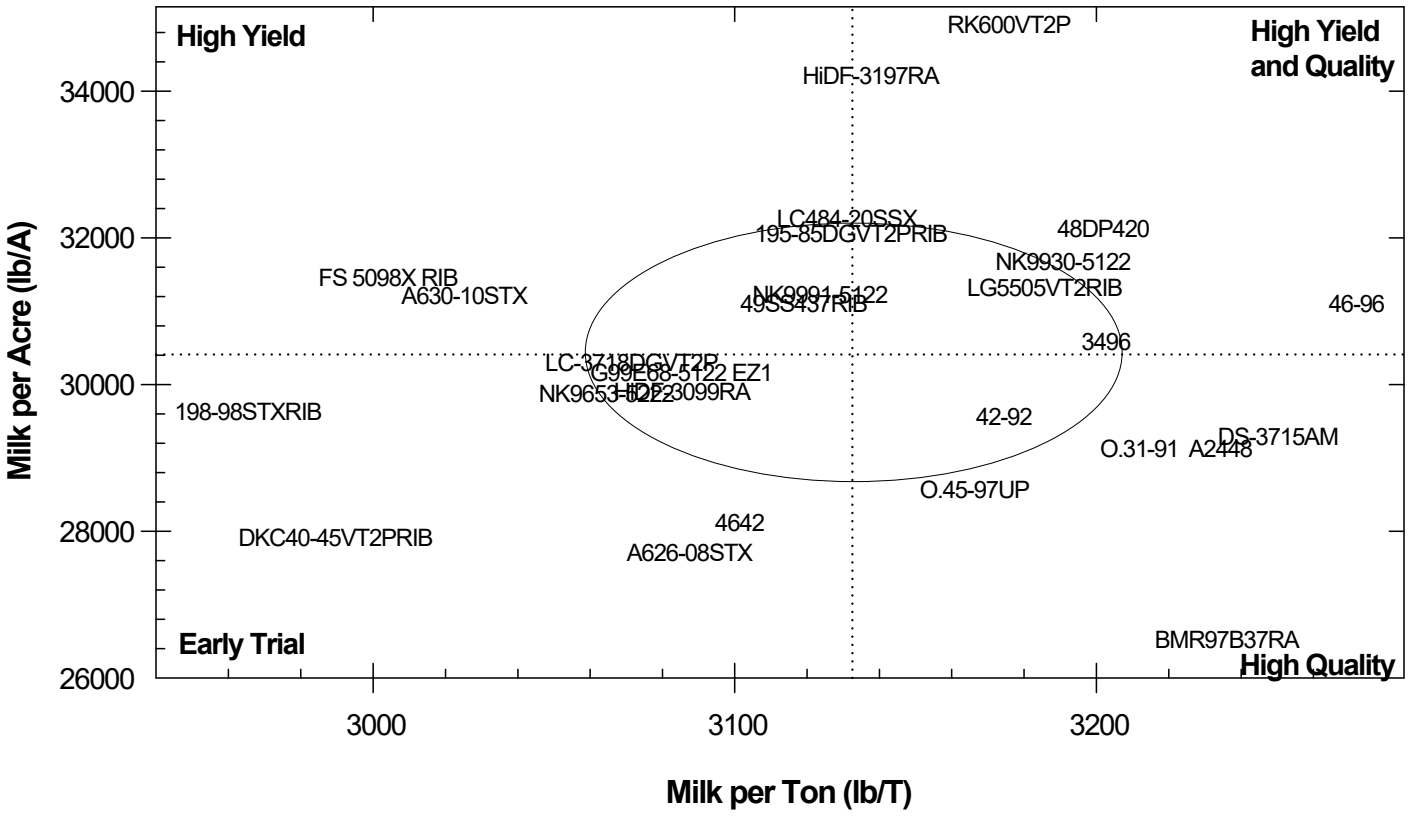
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Figure 4. Relationship between Milk per Acre and Milk per Ton of corn hybrids in North Central Wisconsin during 2020.



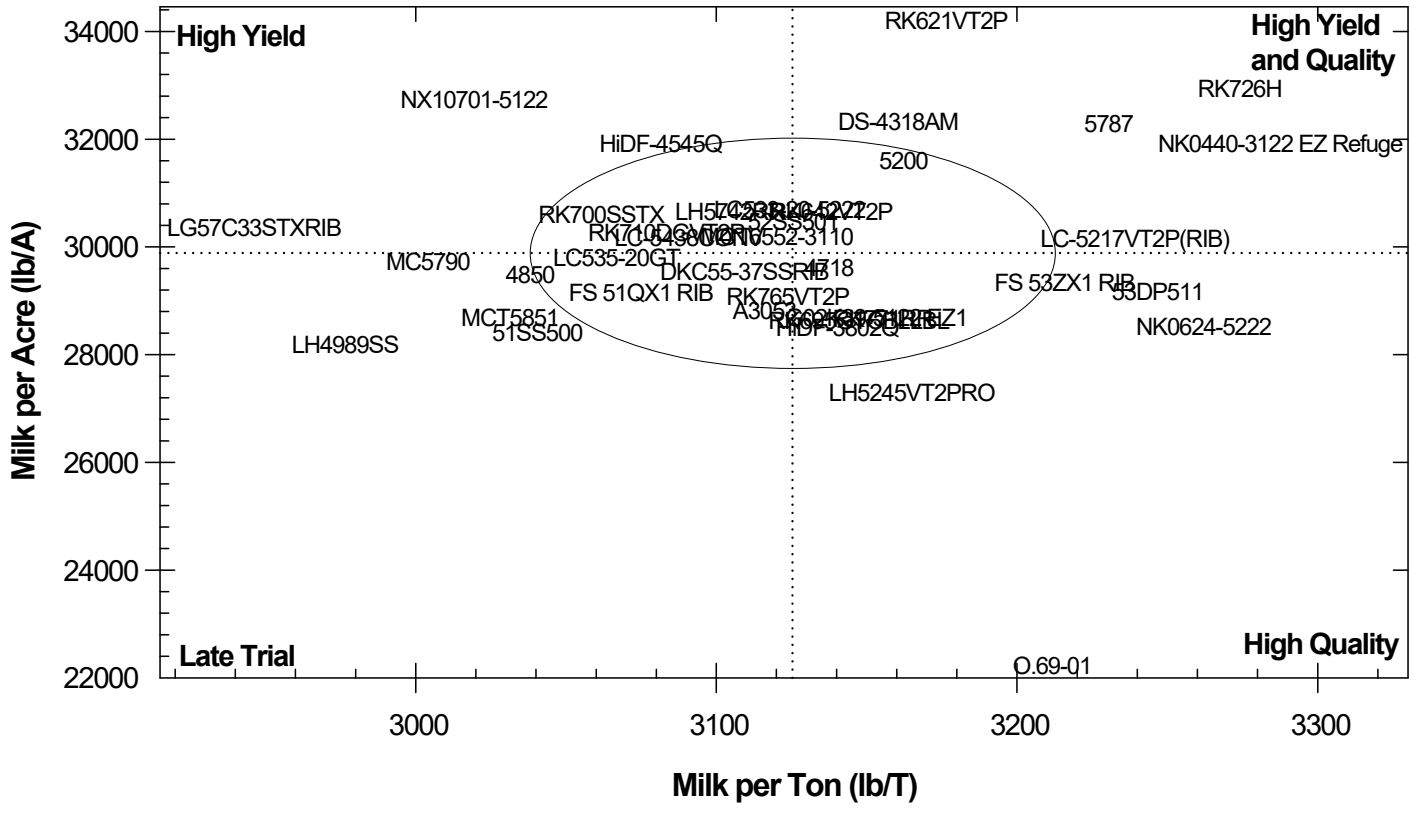


Table 20. Northern Zone Silage Trial. (page 1 of 2)

(Coleman= COL, Marshfield= MAR Spooner irrigated sand= SPI, Spooner dryland silt loam= SPS)

			2020											2019					
			Average											Average					
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)				Yield	Milk per		Yield (T/A)		
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	COL	MAR	SPI	SPS	(T/A)	Ton	Acre	COL	SPI	SPS
DeKalb	DKC31-85VT2PRIB	CB,RR	8.8	3130	27500	52.3	36	59	33	9.8	8.4	9.2	7.7						
Jung	36DP310	CB,RR	8.1	* 3220	25900	56.0	36	61	34	8.0	9.1	8.4	6.8	7.6	* 3410	* 26000	7.7	7.6	7.6
Renk	RK315VT2P	CB,RR	8.6	* 3220	27600	57.1	36	59	34	9.1	8.2	8.9	8.1						
Latham	LH3695VT2PRO	CB,RR	9.3	3170	29300	57.3	37	59	32	10.1	9.3	9.4	8.2						
Jung	40DP401	CB,RR	9.5	* 3310	* 31600	57.8	35	61	35	10.9	9.1	* 9.9	8.1						
Dekalb	DKC33-37VT2PRIB	CB,RR	8.2	3110	25600	57.9	38	60	31	8.1	8.3	8.8	7.6						
FS InVISION	FS 37TV1 RIB	CB,RR	8.5	* 3200	27200	57.9	36	60	33	8.7	8.0	9.3	7.9	* 8.5	3190	* 27100	8.4	9.0	8.1
85-DAY HYBRID TRIAL AVERAGE##						58.4													
FS InVISION	FS 4008V RIB	CB,RR	9.4	3180	30100	59.0	37	60	32	11.1	9.2	9.4	8.2						
NK Brand	NK9175-3110A	CB,LL,RR-wo	9.3	* 3220	29900	59.0	37	60	33	9.1	* 10.3	9.3	8.4	* 9.1	* 3260	* 29700	8.3	9.0	* 10.0
Golden Harvest	G91V51-3110A	CB,LL,RR	9.2	* 3200	30000	59.9	38	58	32	10.1	8.7	* 9.7	8.5						
Dekalb	DKC40-45VT2PRIB	CB,RR	9.2	3060	28400	60.0	38	57	31	10.7	8.3	9.5	8.4						
Legacy Seeds	LC413-20-3110	CB,LL,RR	9.9	* 3220	* 31900	60.1	37	59	33	10.7	9.3	* 10.3	* 9.3						
Federal Hybrids	3880VT2PRIB	CB,RR	9.8	* 3230	* 31600	60.8	38	60	32	* 11.5	* 9.8	9.0	* 8.9						
Dairyland	HiDF-3044Q	CB,LL,RR,RW	9.2	* 3250	29900	60.9	36	62	33	10.4	8.1	* 9.7	8.6						
FS InVISION	FS 4507V RIB	CB,RR	9.5	* 3190	* 30400	61.0	38	60	32	10.7	8.5	* 9.8	* 9.1						
Federal Hybrids	4160VT2PRIB	CB,RR	9.4	3150	29900	61.0	38	60	31	10.3	8.9	* 10.0	8.5	7.8	3040	24500	4.9	8.6	* 9.9
90-DAY HYBRID TRIAL AVERAGE##						61.1													
Dairyland	HiDF-3197RA	CB,LL,RR,RW	* 10.3	3140	* 32300	61.3	40	60	29	11.1	* 10.4	* 10.5	* 9.0	* 8.7	3120	* 27300	* 9.1	7.8	* 9.3
Dairyland	DS-3519AM	CB,LL,RR	9.9	3060	* 30500	61.4	39	58	29	* 11.5	* 10.0	9.6	* 8.7	* 9.2	3180	* 29200	* 9.2	8.6	* 9.6
Viking	O.31-91	None	9.2	3140	28900	61.8	38	63	30	9.9	8.5	* 10.2	8.3						
Federal Hybrids	4240CONV	None	9.3	* 3210	29900	62.3	38	61	31	10.5	8.5	9.1	* 9.1						
Dairyland	DS-3715AM	CB,LL,RR	9.7	3070	29700	62.4	39	58	29	11.0	9.1	* 10.0	* 8.7	* 9.4	* 3260	* 30500	* 10.0	8.8	* 9.4
Renk	RK433VT2P	CB,RR	9.5	3180	30100	62.5	38	60	31	9.7	9.3	* 10.4	8.4	* 8.6	3070	* 26600	7.8	9.0	* 9.1
NK Brand	NK8519-5222	CB,LL,RR,RW	8.0	* 3230	25800	63.0	39	60	30	7.9	8.3	8.1	7.6						
Viking	42-92	None	9.6	3130	30300	63.0	39	61	29	11.1	9.0	* 9.9	8.5	* 9.1	3210	* 29200	* 9.2	8.9	* 9.1
Channel	194-49DGVT2PRIB	CB,DT,RR	9.9	3080	* 30500	63.2	40	60	28	* 11.4	* 9.9	* 9.8	8.4						
FS InVISION	FS 47TV1 RIB	CB,RR	9.9	* 3190	* 31700	63.3	39	61	30	10.9	9.0	* 10.6	* 9.1						
LG Seeds	LG44C27VT2RIB	CB,RR	9.8	3170	* 31200	63.5	39	61	29	* 11.6	* 9.7	* 9.7	8.0	* 9.3	3140	* 29300	* 8.9	* 10.0	* 9.1
Latham	LH4242VT2PRO	CB,RR	9.6	3110	29800	63.5	40	59	29	10.6	* 9.9	9.4	8.6	* 9.3	3150	* 29200	* 9.6	* 9.3	* 9.0
Viking	O.45-97	None	8.8	* 3210	28500	63.7	38	62	30	10.4	7.8	8.7	8.4						
Golden Harvest	G95M41-5122 EZ1	CB,LL,RR,RW	9.0	3180	28800	64.0	39	60	30	10.3	8.6	9.1	8.0						
Channel	192-98STXRIB	CB,LL,RR,RW	9.7	* 3270	* 31900	64.1	38	62	31	10.6	* 10.5	* 9.8	8.1	* 9.2	3110	* 28700	8.3	* 9.5	* 9.8
95-DAY HYBRID TRIAL AVERAGE##						64.1													
Jung	46SS428	CB,LL,RR,RW	9.8	* 3250	* 31800	64.3	37	62	31	10.6	* 10.1	* 10.0	8.4	6.8	2970	21500	2.9	8.7	8.9

CONTINUED.

Table 20 (continued). Northern Zone Silage Trial. (page 2 of 2)

(Coleman= COL, Marshfield= MAR Spooner irrigated sand= SPI, Spooner dryland silt loam= SPS)

			2020											2019					
			Average											Average					
			Yield	Milk per		Moist	NDF	NDFD	Starch	Yield (T/A)				Yield	Milk per		Yield (T/A)		
Brand	Hybrid	Traits†	(T/A)	Ton	Acre	%	%	%	%	COL	MAR	SPI	SPS	(T/A)	Ton	Acre	COL	SPI	SPS
Golden Harvest	G97N86-3220 EZ1	CB,LL,RR	9.7	3140	* 30800	64.3	39	59	29	* 12.0	8.8	9.6	8.5						
LG Seeds	LG5505VT2RIB	CB,RR	* 10.1	3140	* 31700	64.5	39	61	29	* 11.9	* 9.7	* 9.8	* 9.0						
Legacy Seeds	LC-3537-5222	CB,LL,RR,RW	9.6	3180	* 30500	64.9	37	60	30	10.4	* 10.7	9.1	8.1						
Dairyland	HiDF-3099RA	CB,LL,RR,RW	* 10.6	3060	* 32600	65.2	41	59	27	* 12.4	* 10.9	9.6	* 9.5						
Jung	7S378RIB	CB,LL,RR,RW	9.8	3120	* 30700	65.4	38	61	29	11.0	9.3	* 10.3	* 8.7	8.3	3050	25200	8.2	8.3	8.3
100-DAY HYBRID TRIAL AVERAGE##						65.4													
NK Brand	NK9227-5222A	CB,LL,RR,RW-wo	9.8	3060	30100	65.5	40	58	28	10.5	9.3	* 10.8	* 8.7						
NK Brand	NK9653-5222	CB,LL,RR,RW	9.5	2980	28300	65.6	41	59	26	10.2	9.0	* 10.3	8.5						
Golden Harvest	G96R61-5222 EZ1	CB,LL,RR,RW	9.7	3070	30000	65.9	39	59	28	10.7	9.1	* 10.6	8.5						
Renk	RK579DGVT2P	CB,DT,RR	* 10.6	3120	* 33100	66.5	39	60	29	* 12.5	* 10.4	* 10.3	* 9.2	* 9.1	3010	* 27300	* 8.9	8.5	* 9.8
Mycogen	BMR97B37RA	CB,LL,RR,RW-bmr	8.3	3060	25600	67.8	39	66	26	9.7	8.2	8.0	7.4	7.0	2660	18700	7.1	6.6	7.3
Renk	RK593VT2P	CB,RR	* 10.3	3020	* 31200	67.8	40	61	27	* 11.8	* 10.5	9.5	* 9.4	* 9.2	2950	* 27100	* 9.4	* 9.2	* 9.0
MEAN			9.4	3150	29800	62.1	38	60	30	10.5	9.2	9.6	8.4	8.4	3140	26600	8.2	8.3	8.8
LSD(0.10)**			0.7	120	2700	2.3	2	2	2	1.3	1.3	1.1	0.9	1.3	180	4600	1.4	1.3	1.0

† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

Average whole plant moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Figure 5. Relationship between Milk per Acre and Milk per Ton of corn hybrids in Northern Wisconsin during 2020.

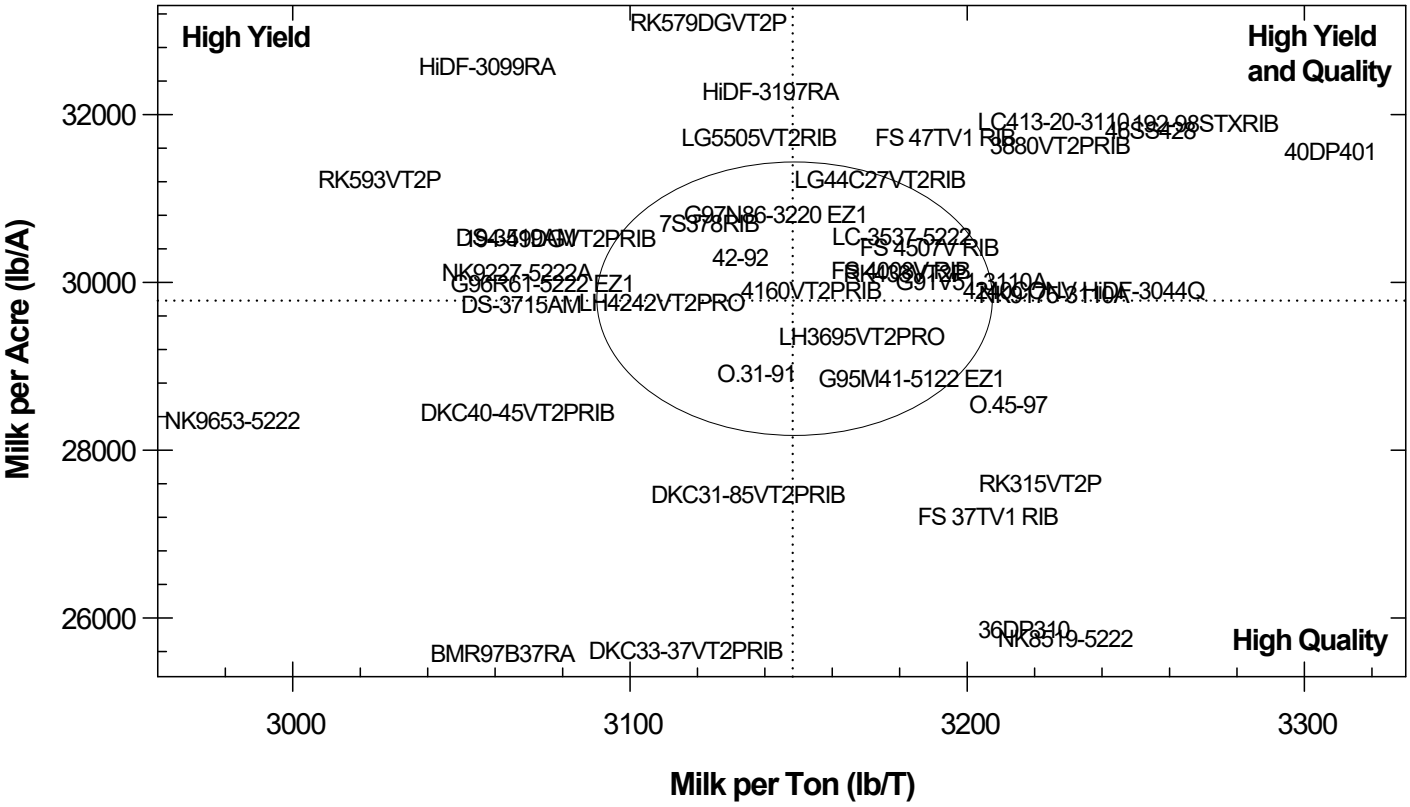


Table 21. South Central Zone - Organic Grain Trial.

(Fond du Lac= FON, Galesville= GAL, Hancock= HAN)

			2020										
			Average							Average			
			Yield	P.I.	Moist	Test	Lodge	Yield (bu/A)		Yield	P.I.	Yield (bu/A)	
Brand	Hybrid	Traits†	(bu/A)	#	%	Wt.	%	GAL	HAN	(bu/A)	#	FON	HAN
Viking	O.45-97	None	* 182	* 99	20.3	55	2	237	209				
Foundation Organic	ORG8650	None	* 209	* 105	22.3	55	2	* 279	* 240	* 209	* 109	* 204	213
Organic	UW Check H	None	* 182	* 101	24.4	55	1	228	173				
Foundation Organic	ORG8305	None	* 211	* 106	26.0	52	0	* 272	218				
Viking	O.18-06UP	None	* 196	* 105	26.4	55	0	221	200				
Viking	O.51-04P	None	* 201	* 100	27.2	53	1	* 267	* 225	* 210	* 108	* 203	216
Viking	O.48-08P	None	* 196	* 101	27.7	52	0	* 267	190				
105-DAY HYBRID TRIAL AVERAGE##					28.5								
Foundation Organic	ORG8500	None	* 176	94	28.6	51	1	248	185	* 225	* 112	* 198	* 251
Prairie Hybrids	4211	None	* 191	* 97	29.4	52	1	249	209	* 205	* 105	* 187	* 224
Foundation Organic	ORG8507	None	* 188	* 96	33.2	52	1	* 268	184	180	97	* 191	169
MEAN			193	101	26.6	53	1	254	203	181	100	184	178
LSD(0.10)**			39	10	2.6	2	2	20	21	37	11	18	28

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 22. North Central Zone - Organic Grain Trial.

(Chippewa Falls= CHP, Marshfield= MAR, Seymour= SEY, Valders= VAL)

			2020								2019				
			Average					Yield (bu/A)			Average		Yield (bu/A)		
Brand	Hybrid	Traits†	Yield (bu/A)	P.I. #	Moist %	Test Wt.	Lodge %	CHP	MAR	SEY	Yield (bu/A)	P.I. #	CHP	SEY	VAL
Foundation Organic	ORG8801	None	* 191	* 104	22.0	56	4	* 260	* 184	* 188	* 179	* 101	197	* 201	* 136
Viking	O.84-95UP	None	* 172	* 98	22.2	55	1	225	166	* 186	* 187	* 103	209	* 193	* 154
Foundation Organic	ORG7700	None	* 181	* 101	22.3	55	3	212	* 194	* 199	169	* 100	185	* 195	* 130
Organic	UW Check G	None	* 186	* 104	22.5	55	1	229	* 191	182					
Foundation Organic	ORG8799	None	* 179	* 100	23.0	53	1	240	* 195	178					
95-DAY HYBRID TRIAL AVERAGE##					23.2										
Viking	O.52-96	None	* 179	* 100	23.2	54	1	234	* 184	181					
Foundation Organic	EXP95FM	None	* 175	* 98	23.6	53	3	* 253	* 181	173					
Viking	O.85-00P	None	* 184	* 102	24.5	52	3	245	172	170					
Viking	O.45-97UP	None	* 200	* 107	25.4	51	2	* 252	167	* 196					
100-DAY HYBRID TRIAL AVERAGE##					25.5										
Viking	O.46-02P	None	* 184	* 101	26.1	54	2	* 251	166	180					
Prairie Hybrids	2741	None	* 174	95	26.6	53	2	242	* 186	183	* 194	* 102	* 254	182	* 148
Prairie Hybrids	1231	None	* 188	* 99	27.2	54	1	* 270	* 190	* 202	* 184	* 100	228	177	* 151
Viking	O.51-04P	None	168	92	28.8	52	4	* 255	162	178					
MEAN			182	100	24.4	54	2	244	180	184	177	100	208	183	140
LSD(0.10)**			28	11	2.0	1	2	20	19	17	18	6	18	18	26

Average grain moisture of all hybrids in the trial as rated by the participating company maturity rating systems. Ratings are rounded to 5 day increments.

* Hybrids that performed statistically similar to the highest hybrid in the trial.

Shaded results provide the best estimate of relative hybrid performance.

Table 23. Comparisons over time of all hybrids tested between 2020 and 2018. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or Milk2006) in one or more zones.

Brand		Brand		Brand		Brand	
Hybrid	Year(s) tested	Hybrid	Year(s) tested	Hybrid	Year(s) tested	Hybrid	Year(s) tested
AgriGold		*21B11	19*	*C508	18*	*DS-5018AM	20*,19*,18*
A618-90VT2RIB	18	22K32	20	C555-3010	18	*DS-5279Q	20*
A619-75-3120EZ	20	*26B78	20,19*	C564DP	18	*DS-5329AM	19*,18*
A621-77STXRIB	19,18	*27B16	18*,17*	C564SS	18	*DS-562XRR	18*
*A622-65	20*	*33A16	19,17*,16*	C568	18	*DS-7004RA	19*
A624-06VT2PRO	19	*33ND10	18*,17*	C5713SS	19	*DS-7215	18*
A624-113220AEZ	18	*38G54	20,19,18*,17*	C573DP	18	*DS-7294a	18*
*A625-78VT2RIB	19*,18	*42C87	20*	*C575DP	20*,19*	*DS-7603PE	18*
A626-08STX	20	*48G35	20,19*,18*,17*,16*	*C577SS	20*,19*	*DS-7909PE	18*
*A627-83VT2RIB	20,19*	*51T59	20,19,18*,17*,16*	C6002SS	20	DS-9508RA	18,17,16
*A628-16VT2RIB	20*	54C27	20	*C6042DP	20*	*DS-9510RA	18*,17
*A628-20VT2RIB	19,18*,17*	*57A30	20*,19*,18*	*C6209DP	20*	*DS-9599	18*,17*,16
*A629-12VT2PRO	19*	*62G22	20*,19*,18*,17	C6219SS	20	DS-9686	18,17,16
*A629-22STXRIB	19*,18*			*C633DP	19,18,17*	DS-9713RA	18,17
A629-93	20	**Brunner**		*C6401SS	20*,19*	DS-9804RA	18,17
*A630-10STX	20*	2820GT-3110A	20	C6528-3220	20	*EXP-08508AMXT	19*
A630-31VT2RIBD1	20	2865GTA	18,16	C667SS	18	*EXP-10206	18*
A631-38VT2PRO	18	*2897GT-3120EZ	20,19,18,17*	C6720DP	20	*EXP-10411	18*
*A632-07STX	19*	*3915GT-3110	18,17*,16	*C7004DP	20*	EXP-10617	18
*A632-35-5222EZ	20*	3960-5222EZ	20	*C7125DP	20*,19*	EXP-10813	18
*A633-14VT2PRO	20*	4010-5222EZ	20	*C7366DGDP	20*,19*	*EXP-11014	18*
A633-94STX	18	*4044	20*,19*,18,17*,16	*C7551SS	19*	*EXP-11016	18*
*A634-93	20*,19*	*EXP102	19*			*EXP-11113	18*
*A635-54VT2RIB	20*,19*,18*,17*	EXP105A	18	**Croplan Genetics**		*EXP-11315	18*
*A636-11STXRIB	20*,19*	*EXP109	19*	3899VT2PRIB	20,18	*EXP-11316	18*
*A636-16VT2RIB	20*	*EXP95A	19*,18*	3909SSRIB	18	*HiDF-3044Q	20*
A636-55VT2RIB	18,17			4099SSRIB	18	*HiDF-3099RA	20*,19*,18*,17*
*A636-56STXRIB	18*,17*	**Burrus**		*4188VT2P	19*	*HiDF-3188-6	18*
*A637-55VT2RIB	19*,18*	*4T46SS	19*			*HiDF-3197RA	20*,19*,18*,17*,16
*A637-56VT2PRO	20*			**Dairyland**		*HiDF-3202PE	18*
*A638-44DGVT2PRO	19*	**Channel**		DS-2068RR	20	*HiDF-3211RA	20*,19,18,17
*A638-74VT2RIB	20*,19*,18*	185-30VT2PRIB	19	DS-2220AM	20,19	*HiDF-3308AM	19*
*A638-84	19*	*192-98STXRIB	20*,19*,18*	DS-2350RR	20	*HiDF-3397RA	19*
*A638-94STX	18*	*194-49DGVT2PRIB	20*	DS-2505AM	20	*HiDF-3407RA	20*,19*,18*,17
*A639-40VT2RIB	19*,18*,17*	*195-85DGVT2PRIB	20*	DS-2716Q	20	*HiDF-3413SSX	18,17*
*A639-70STXRIB	20*,19*	*198-98STXRIB	20*,19,18,17*,16*	DS-2918AM	18	*HiDF-3510SSX	18*,17*,16*
*A640-77STXRIB	18*	*199-11STXRIB	19*	*DS-3030AM	20,19*	*HiDF-3605RA	18*,17*,16*
*A640-77VT2RIB	19*,17	*202-81STXRIB	18*	*DS-3162Q	20*	*HiDF-3802AMXT	19*
*A641-06STXRIB	20*,19*,18	203-60TRERIB	20	*DS-3193AM	20*	*HiDF-3802Q	20*
*A641-54VT2RIB	20*,19*	*204-74VT2PRIB	19*,18*,17*	*DS-3345AM	20*	*HiDF-3808RA	20,19,18*,17,16*
*A641-78STXRIB	18,17*	*205-70STXRIB	20*	*DS-3366AM	20*	*HiDF-4545Q	20*
*A642-47STX	20*	*206-11STXRIB	18*,17*	DS-3370YHR	19	*HiDF-4999Q	20*
		*207-27STXRIB	19*,17*,16*	*DS-3518AMXT	19,18*	*HiDF-5202Q	20*
Augusta Seed		*209-15STXRIB	20*,19*,18*,17*	*DS-3519AM	20*,19*,18*	*HiDF3290-9	18*,17*,16*
A2039-3120GTEZ	19	210-98STXRIB	20,19,18	*DS-3550AM	20*	*HiDF3702-9	18*,17,16*
A2054	20			*DS-3550YHR	19*		
*A2345	20,19*	**Cornelius**		*DS-3715AM	20*,19*,18*	**DeKalb**	
*A2448	20*	5695VT2P	18	*DS-3750YHR	19*	DKC31-85VT2PRIB	20
*A2541	20*	6035VT2P	18	*DS-3810Q	20*	DKC26-40RIB	18,17
A2545	20	*6325VT2P	18*	*DS-3810YHR	19*	DKC31-10RIB	18
*A2856	20*	*6376	20,19*,18*	*DS-4014Q	20*	DKC32-12RIB	19,17,16
*A3053	20*	*6438DP	19*	*DS-4018AM	20*,19*,18	DKC33-37VT2PRIB	20
A3054-3010GT	19	*6869	20*,19*	*DS-4019AM	19*,18*	DKC36-86VT2PRIB	20
*A5162	20*	6963	18	*DS-4310AM	20*	*DKC37-50VT2PRIB	20,19*,18
		7228SS	18	*DS-4310YHR	19*	*DKC39-55VT2PRIB	20*
Beck's		C271DP	18	*DS-4317AM	19*,18*	*DKC40-45VT2PRIB	20*
5765AMXT	19	C324DP	18,16	*DS-4318AM	20*,19*,18*	*DKC40-77RIB	18,17,16*
*5829A4	19*,17*,16*	*C349SS	20*,19*	*DS-4329AM	19*,18*	*DKC41-99RIB	19,17*
*4421Q	20*	*C385DP	20*,19*	*DS-4440AM	20*,19*	DKC42-04RIB	19
4844SX	20	*C385SS	19*,18*	*DS-4580CYXR	19*	DKC42-05RIB	18
*5113AM	20,19*	*C408DP	18,17*,16*	*DS-4580Q	20*	*DKC43-75VT2PRIB	20*,19*
		C457DP	18	*DS-4816AM	19*,18*	*DKC44-80RIB	19*
Blue River Organic		*C461SS	19*,18*,17*	*DS-4840AM	19*	DKC45-95VT2PRIB	20
08B55	20	*C478DP	20*,19*,18*	*DS-4878AM	20*	*DKC46-79RIB	18*,17*,16*
14A91	20	C495SS	18	*DS-499AM	18*	*DKC47-54RIB	19*

Table 23 (continued). Comparisons over time of all hybrids tested between 2020 and 2018. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or Milk2006) in one or more zones.

Brand Hybrid	Year(s) tested
DKC48-95VT2PRIB	20
*DKC49-44SSRIB	20,19*
*DKC50-08RIB	18,17*
*DKC51-38RIB	18,17*
*DKC51-91RIB	18*
*DKC51-98SSRIB	20*
DKC52-34SSRIB	20
*DKC52-35RIB	19*
*DKC52-68RIB	18*,17*,16*
*DKC53-27SSRIB	20,19*
*DKC54-64SSRIB	20*
*DKC54-65RIB	19*
*DKC55-37SSRIB	20*,19*
*DKC55-53RIB	19*
*DKC55-84RIB	18*,17*
*DKC56-65SSRIB	20*
*DKC58-06RIB	19,18*,17*,16*
*DKC58-34SSRIB	20*,19,18
*DKC59-07SSRIB	20*,19*,18
*DKC59-81SSRIB	20*,19
*DKC60-67RIB	19,16*
*DKC60-87RIB	18*,17*
*DKC61-41VT2PRIB	20*,19*
*DKC62-20RIB	19*,17*
*DKC63-60RIB	18,17*
*DKC63-90RIB	19*
*DKC63-91VT2PRIB	20*
*DKC64-34RIB	19*
DKC64-44SSRIB	20
DuPont Pioneer	
*P0157AMX	18*,16
*P0306AM	19,18*
*P0306Q	20*
*P0421AM	20*
*P0574AMXT	19,18*
*P0783XR	18*
*P8736AM	20*
*P9188AM	20*,18,16*
*P9492AM	20*,19*,18*
P9608Q	20
*P9772AM	20*
P9880AMXT	20
*P9998AMXT	19*,18*
P0389	19
FS InVISION	
FS 3508V RIB	20
*FS 35SV1 RIB	19,18*,17
*FS 37TV1 RIB	20*,19*,18*
*FS 4008V RIB	20*
*FS 41TV1 RIB	19*,18*
*FS 43RA1 EZR	18*
*FS 4507V RIB	20*
FS 45SV1 RIB	19,18
*FS 46RL0 EZR	18,17*
*FS 47TV1 RIB	20*,19*,18
*FS 5098X RIB	20*,19*
*FS 51QX1 RIB	20,19,18*
*FS 52RL0 EZR	18*,17*
*FS 53ZX1 RIB	20*,19*,18*
*FS 54A00	18*
*FS 5594X RIB	20*,19*
*FS 55RL1 EZR	20*,19*
*FS 55TX1 RIB	18,17*

Brand Hybrid	Year(s) tested
FS 5704X RIB	20
*FS 57ZX1 RIB	19*,18
*FS 5892V RIB	20*
*FS 58G00	18*
FS 58R49	18
*FS 58RL1 EZR	19*
*FS 5909D2A EZR	20*
*FS 59VL1 EZR	19*,17*
*FS 60UX1 RIB	20*,19*,18*
*FS 6106X RIB	20*
*FS 6107T	20*
*FS 6194V RIB	20*,19*
*FS 6299L2 EZR	19*
*FS 62RL1 EZR	18*
*FS 62ZX1 RIB	19*,18
*FS 6395VDG RIB	20*
*FS 63ZX1 RIB	19,18,17,16*
FS 6406X RIB	20
*FS 64SX1 RIB	19*,18*,17,16
*FS 6595V RIB	19*
Federal Hybrids	
3190VT2P	18
3510VT2P	20
3570VT2PRIB	19,18,17
3660GT3011A	19,18,17,16
3790VT2PRIB	20,19,18
3810VT2P	20
*3880VT2PRIB	20*,18,17
3890VT2P	18
4010VT2P	20
*4160VT2PRIB	20*,19*,18*,17*,16
	*
*4190VT2PRIB	19,18*
*4240CONV	20*
*4240VT2PRIB	19*,16
*4300VT2PRIB	20*
*4310VT2P	20*
4470VT2PRIB	18,17,16
*4580VT2PRIB	20,19*,18*,17*
*4680VT2PRIB	19*,18*,17*
*4700SS	19*
*4780VT2P	18*
4880VT2PRIB	20,19
4990SS	18
4990VT2PRIB	19
*4999SS	18*
*4999VT2PRIB	20*,19*
*5000VT2P	19*
*5005SSRIB	20*
5060SSRIB	18
*5280SSRIB	18*,17
*5280VT2PRIB	20*,19*
5300VT2PRIB	20
*5370SSRIB	18,17,16*
*5370VT2PRIB	20*
5480CONV	20
*5570SSRIB	18*,17*
*5570VT2PRIB	20*
*5690VT2PRIB	20*,19*
5700SS	19
Foundation Direct	
*8500	19*,18*
8749	18
8830	18

Brand Hybrid	Year(s) tested
8855	19,18,17
8885GTCBLLBL	19
8972	18,16
8978GT	19,18
EXP095	18
Foundation Organic	
8749UNT	18
*8749UT	19*,18
*8855UT	18*,17
*EXP103	18*
*EXP95FM	20*
EXP98-80	19
HDC106	18
*ORG7700	20*,19*
*ORG8305	20*,19*
*ORG8500	20*,19*,18*,17*
*ORG8507	20*,19,18*,17,16*
ORG8513	19
*ORG8650	20*,19*
*ORG8700	18,17,16*
*ORG8799	20*,19
*ORG8801	20*,19*,18*,17*,16
	*
Frontiersmen	
081-Y0-3110A	19
082-S8RR	20
087-E7VT2P	19
*090-H8VT2P	19,18*
094-D7	18,17
*096-R8VT2P	20,19*,18*
*100-W0VT2P	20*,19*
103-E8	18
107-A0GENSS	20
Golden Harvest	
G00H12-3010	19
G02K39-3120 EZ	19
*G02K39-5122 EZ1	20*
*G03C84-3120 EZ1	18,17*
*G03R40-3110	19*
G03R40-5222 EZ1	20
*G04S19-3010	18*
*G04S19-3122 EZ	19*
G05K08-3010	19
G06Q68-3220 EZ1	18
G07A24-3010	18
*G08M20-3120 EZ	19*
*G09Y24-3220A EZ	19*,18*
*G10D21-3330 EZ1	20*
G10L16-3330A	20,19
*G10T63-3120 EZ	19*,18*,17*,16*
*G12S75-5122 EZ1	20*
*G12W66-3000GT	18*,17,16*
*G12W66-3122 EZ	19*
*G14N11-5222	20*
G84J92-3120A-EZ1	20
G85Z56-3220 EZ1	20
G89A09-5122 EZ1	20
*G90Y04-3220A	18*,17*,16*
*G91V51-3110A	20*
*G95D32-3220 EZ	19*,18*
G95M41-5122 EZ1	20
G96R61-5222 EZ1	20
*G96V99-3120 EZ1	18,17*,16

Brand Hybrid	Year(s) tested
*G97N86-3110	18*,17*
*G97N86-3220 EZ1	20*,19
G99E68-5122 EZ1	20
Great Harvest Organics	
*47N2	18*
*52F3	18*
*55E4	18*
*55G3	18*
Hi Fidelity Genetics	
HFG0951	20
HFG1001	20
HFG1051	20
Jung	
31DP308	19,18,17
32DP300	20,19
*3316R	20*
*36DP310	20*,19*
*36DP318	20,19*,18,17
37SS328	19,18
*39DP338	20,19,18*
*40DP401	20*
*41DP400	20*,19
*42DP419	19,18*
*46SS427RIB	19,18*,17*
*46SS428	20*,19,18*
*47DP410	20,19*
*47DP411	20*
*47DP429	20*,19,18*
*48DP420	20*,19*
48SS420	19
48SS439	18
*49DP441	20*
*49SS437RIB	20*,19*,18*,17*,16
*4D178RIB	19,18*,17*,16
*4D331RIB	18*,17,16
*4D381RIB	20*,19,18,17
*51SS500	20,19*
*51SS509	19*,18*
*52SS501	20*
*52SS507RIB	19*,18,17*
*53DP511	20*
*53SS517RIB	19,18,17*
*53SS521	20*
*54SS528	19*,18,17*
*55DD520	20*
56SS531	20
*56SS538	20*,19*,18*
*57SS530	20*,19*
*58SS529	20*,19,18
*58SS537RIB	19*,18,17,16
*59SS581	20*
61SS608	19,18,17
7S331RIB	18
*7S378RIB	20*,19,18
*7S522RIB	19,18,17*
*7S744RIB	19*,18,17*
HDS36R22	19,18
*HDS76S76RIB	19*
LG Seeds	
LG30C02VT2RIB	19,18
*LG38C18VT2RIB	19*,18*

Table 23 (continued). Comparisons over time of all hybrids tested between 2020 and 2018. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or Milk2006) in one or more zones.

Brand Hybrid	Year(s) tested
LG42C63VT2RIB	20,19
*LG44C27VT2RIB	20*,19*,18*
*LG44C34-3110	18*
*LG47C77VT2PRO	20*
*LG51C48VT2RIB	20,19*
LG5370VT2RIB	19,18
*LG5375VT2RIB	20,19*,18,16
*LG5410VT2RIB	19*,18,17,16*
*LG5465VT2RIB	20,19*,18*,17*
*LG5494VT2RIB	19*,18*,17*
*LG5499STXRIB	18,17*,16*
LG5499VT2RIB	18
*LG54C04	20*,19*
*LG5505STXRIB	19*,18*
*LG5505VT2RIB	20*,19,18
*LG5525VT2RIB	19*,18*
*LG5548STXRIB	19,18*,17,16*
*LG5565STXRIB	18*,16*
*LG5590VT2P	19*,17
*LG5606STXRIB	18*
LG57C28VT2PRO	18
*LG57C33STXRIB	20*,19
LG57C97VT2PRO	20
*LG58C77VT2RIB	19*,18*
*LG59C66VT2RIB	20*,19*,18*
LG59C72VT2RIB	20
LG60C33VT2PRO	19
*LG60C47STXRIB	20*
LG62C02STX	18
*LG62C02VT2RIB	19*,18*
*LG62C35VT2RIB	20*,19
Latham	
3755VT2PRO	18
*4517VT2PRO	19*
4692RR	19
*5495-3122EZR	18*,17*,16
*5885VT2PRO	18*
*6045VT2PRO	18*
6143-3010A	19
*6224-3120EZR	18*,17*
6477VT2PRO	18
*EX103VT2PRO	18*
*EX6355GT	20*
*LH3695VT2PRO	20,17*
*LH3937VT2PRO	20*
*LH4242VT2PRO	20,19*,18*,16*
*LH4375VT2PRO	20*,19*
LH4669SS	20
*LH4937VT2PRO	20*
LH4989SS	20
*LH5047VT2PRO	20*
*LH5245VT2PRO	20*,19*
LH5377VT2PRO	20
*LH5487VT2PRO	20*
LH5517VT2PRO	20
LH5589SS	20
*LH5742RR	20*,19*,18*,17*
*LH5965VT2PRO	20*
*LH6175VT2PRO	19*,16*
*LH6285VT2PRO	20*,19*,18
LH6529SS	20
Legacy Seeds	
L2347VT2P(RIB)	19
L2817(RIB)	18
L2847	18,17
L2918VT2P	19
L2937(3120EZ)	18
L3115	18
L3117	18
*L3419VT2P	19*
*L3537	18*
*L3537-3220	19*
L3617VT2P(RIB)	19,18
*L4118VT2P(RIB)	19*
L4433(3122EZ)	18
*L5217	18*
*L5350	18,17*
L5418	18
*L5438-3010	19*
*L5516	18,17*,16*
*L5519DGVT2P	19*
*L6047SSX	19*
L6838	18
L6918	18
L6937	18
*L7236	18,17*
*LC-3017VT2P(RIB)	20,18*,17*
LC-3048VT2P(RIB)	20,19
*LC-3517VT2P(RIB)	20,19*,18*
*LC-3537-5222	20*
*LC-3718DGVT2P	20*,19*,18*
*LC-4248SSX	20*
*LC-4248VT2P	19*
*LC-5217VT2P(RIB)	20*,19*
*LC-5319SSX	20*,19*
*LC-5438CONV	20*
LC-5819SSX	20
LC-7236-5222	20
LC351-20VT2P	20
*LC413-20-3110	20*
*LC431-20SSX	20*
*LC441-20VT2P	20*
*LC484-20SSX	20*
*LC533-20-5222	20*
*LC535-20GT	20*
LC551-20SSX	20
LC634-20SSX	20
Legend Seeds	
*40J9192 VIP3110A	20*
JSC30J711	18
JSC40J684RR	18
JSC40J704RR	18
JSC47J086 VIP3220	19
JSC47J104-3122	18,17
JSC47J9185 VIP3110	20
*JSC47J988-3120	18*
LR 9004	20
DC5122EZREF	
*LR 9004GT	19*
LR 9008GENSSRIB	19
LR 9100 Powercore	20
*LR 9102-VIP3110	20*
*LR 9106 Powercore	20*
LR 9109 VIP3220A	20
*LR 94A01-3011A	19*,18*,17*,16*
LR 9600GENSSRIB	18
*LR 9691VT2PRIB	18*,16*
LR 9701GENSSRIB	19,18,16
*LR 9804GENSSRIB	18*,17*
*LR 9809VT2PRIB	19*,18*,17
LR 9811VT2PRIB	18
LR 9882VT2PRIB	18
LR 9886VT2PRIB	19
*LR 9895VT2PRIB	19*,18,17*
*LR 9897VT2PRIB	19*,18
*LR 9903GENSSRIB	19*
*LR 9905 VIP3220	19*
LR 9907GENSSRIB	18
LR 9910GENSSRIB	18
*LR 9912GENSSRIB	19*,18
*LR 9913 VIP3120	19*
LR 9993GENSSRIB	19
*LR 9995	20,19*
VIP3220EZREF	
LR 9996-3120	18
LR 9999VT2PRIB	18
LR 99A09-3220	19
Masters Choice	
*MC5790	20*,19*,18*
*MCT2552-3110	19*,18*,17
*MCT3393-3000GT	19*
*MCT3891GT	19*,18,17,16*
*MCT4572 VIP3110	18,17*,16
*MCT4572-3010	19*
*MCT4632 VIP3110	18*,17*,16*
MCT4934 VIP3111	18
*MCT5454-3111	19*,18*,17*,16*
*MCT5851	20*
*MCT6552-3110	20*,19*,18
Munson	
4417GT	18
*4821RR	18*
*4830-3120EZ	18*
*5016VT2P	18*,17,16*
5204-3010	18,17
5359-3110A	18,16
*5456VT2P	18*
*5695VT2P	18*,17*
*5710VT2P	18*,17*
*6035VT2P	18*
Mycogen	
BMR10B27RA	20
*BMR97B37RA	20*,19
*F2F712	19*
NK Brand	
*N27P-3110A	18*,17*,16*
*N40L-3000GT	18*,17*,16*
*NK0243-3120-EZ1	19*
NK0243-5122	20
*NK0330-3120	18*
*NK0440-3010	18*
*NK0440-3122 EZ Refuge	20*,19*
*NK0472-3110	19*
*NK0472-5222	20*
*NK0602-3010	18*
*NK0624-3220-EZ1	19*,18*
*NK0624-5222	20*
NK0763-3010	18
NK0886-3120-EZ1	19
*NK1026-3330	20*
*NK1066-3122-EZ1	19,18*
*NK1082-3330A-EZ1	19*
*NK1082-5222A	20*
NK1188-5122	20
*NK1205-3120	20*,19*
*NK1239-5122	20*
*NK1284-3122-EZ1	19*
*NK1284-3220	18*
*NK1460-3110	19*
*NK1460-5222	20*
*NK8519-3220-EZ1	19*
*NK8519-5222	20*
NK8618-3011A	18
NK8618-3120A	20
*NK8881-3010A	19*,18
*NK8920-3120-EZ1	19,17*
NK8920-5122	20
*NK9175-3110A	20*,19*
*NK9227-3220A-EZ1	19*,18
NK9227-5222A	20
*NK9505-3110	18*
NK9535-3220	20,18
*NK9610-3010	19*
*NK9653-5222	20*
*NK9738-3110	18*,17*
*NK9738-3220-EZ1	19*
NK9813-3000GT	18
NK9852-3010	18
*NK9930-3010	19*
*NK9930-5122	20*
*NK9991-5122	20*
*NX10701-5122	20*
*NX11003-5122	20*
*NX11406-5222	20*
O'Brien Hybrids	
OB1101	18
OB1103	20
*OB1104	18,16*
*OB1105	19*,16
*OB1106	19*
*OB1109	20*,19*,18
OB1177	20
*OB1185	20*,19*
*OB1188	20*
OBX1106	18
OBX1107	18
Organic	
*UW Check D	18*,17*
*UW Check D-HW	18*,17*
*UW Check E	19*
*UW Check E-HW	19*
*UW Check F-HW	19*
*UW Check G	20*
*UW Check H	20*
PIP	
3888	18
*4693	18,16*
4796	18,17
*4894	18,17*
4897	18
*5708(3220EZ)	18*

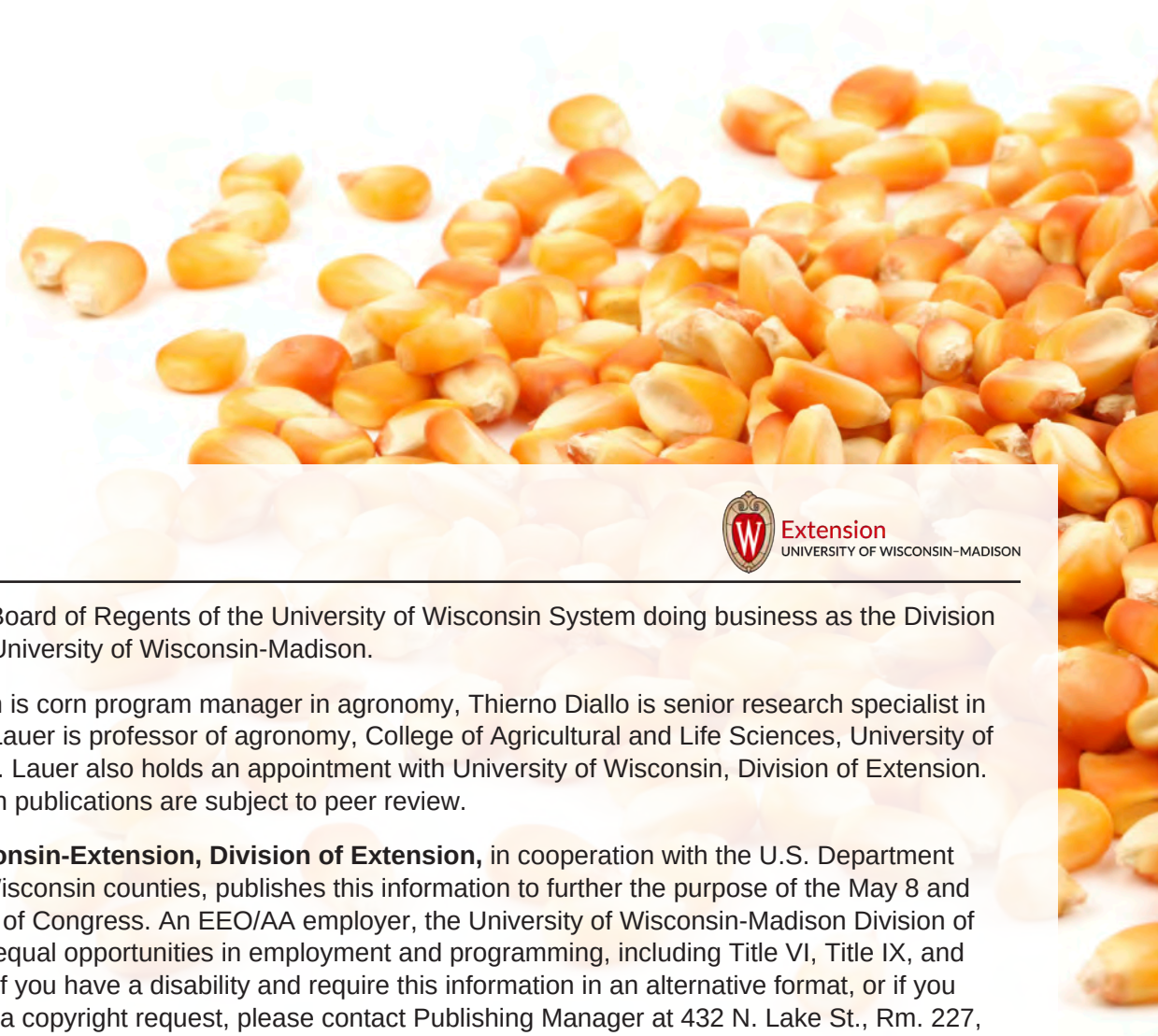
Table 23 (continued). Comparisons over time of all hybrids tested between 2020 and 2018. A star (*) indicates that the hybrid performed statistically similar to the highest hybrid for yield or performance index (P.I. or Milk2006) in one or more zones.

Brand Hybrid	Year(s) tested
*5803	18*
5805	18
5806	18
Power Plus	
*1K18Q	20*
*1M78AM	20*
*1N07AMXT	18*
*2V15AMXT	19*
*2Y06AM	19*,18*,17,16*
*3M62AM	20*
*3V14AM	20*
*4A67AMXT	18*
*4F71AM	20*
*4Y34AM	19*
6G34VT2P	19
*7W63AM	19*
9U13AM	18
Prairie Hybrids	
*1231	20*,19*
*2741	20*,19*
3081	18
*3415	18*,17*,16*
*418	19*,18*
*4211	20*,19*
*4711	19*,18*
*4718	20*,19*,18*,17*
*4850	20*
*5200	20*,19*,18*,17*,16*
*5787	20*,19*
*6212	18*,17*
*6590	20*
*7355	19*,18*
*7781 ORG	19*
*8290	20*
*8759	19*,18*
*EX0094	19*
ProHarvest	
2225VT2PRIB	19
2749VT2PRIB	20,19,18
*4255RR2	20*,17,16*
*4255STAXRIB	19,18,16*
4255VT2PRIB	19
*4340VT2PRIB	20*,19*,18*
4545RR2	20,18
4545VT2PRIB	19
*4630VT2PRIB	20,19*,18*,17*
4825SXRIB	19,18,17,16
*4990VT2PRIB	19*,18*
*4990VT2PRIB	20*
6030VT2RIB	18
6333STAXRIB	18,16
6420SXRIB	19,18,17
*6606VT2PRIB	20*
6746SXRIB	20
*6828VT2PRIB	20*,19*
X17315	20,19
X17320	19
X18550	19

Brand Hybrid	Year(s) tested
X19330	20
*X19473	19*
*X19510	20*
*X19560	19*
*X19652	19*
X20200	20
Project Seeds	
PS1885GT	19
PS1893GT	19
*PS1898GT	19*
*PS20-107	20*
PS20EXP93GTCBLLB	20
L	
*PS8823GTCBLL	18*
PS8922GT	18
PS90	18
PS96	18
*PS98GT	18*
Renk	
*7-726SSTX	18*
*8-536VT2P	18*
*8-593SSTX	18*
*9S-104-3010	19*
9S-108	19
9S-109-3220	19
*9S-113	19*
RK227VT2P	20
RK256GT	20
RK264RR	19,18
RK278VT2P	20,19
*RK287VT2P	20,19,18*,17
*RK312VT2P	20*,19
*RK315VT2P	20*
*RK408VT2P	18,16*
*RK433RR	18*,17*
*RK433VT2P	20,19*,16*
*RK499VT2P	20*
*RK561DGVT2P	20,19*
*RK579DGVT2P	20*,19*,18*
RK587VT2P	19,18
*RK593VT2P	20*,19*
*RK600VT2P	20*
*RK604SSTX	18*
*RK608DGVT2P	18,17*,16*
*RK621VT2P	20*,19*
*RK626SSTX	20,19*
*RK642SSTX	18,17*
*RK642VT2P	20*,19*
*RK695GTCBLLBL	20*
*RK700SSTX	20*
*RK710DGVT2P	20*,19*,18*
*RK717SSTX	19,18*,17*,16*
*RK724RR	19*,17*,16*
*RK726H	20*
*RK737SSTX	19*,18*
RK763VT2P	18
*RK765VT2P	20*,19*
*RK771RR	20*
RK779SSTX	19,18
RK805VT2P	20

Brand Hybrid	Year(s) tested
RK807SSTX	20,19
*RK842SSTX	19*,18,17
*RK859DGVT2P	18*
*RK866DGVT2P	20*
RK877DGVT2P	18
*RK882SSTX	20*
*RK937VT2P	20*,19*
*RK945DGVT2P	20*,19*
*RK965VT2P	19*
Spectrum	
*3496	20*
3617	18
*4046	18,17*
4642	20
*5706	20*
*6105	18,17*
Stine	
*R9428-32	19*
Thunder Seed	
T6085 VT2P	20,19
T6090 3120	19
*T6094 VT2P	20*,19*
T6098 VT2P	20,19
T6185 VT2P	20
T6190 VT2P	20
T6595 VT2P	19
*T6791 VT2P	20*,19
T6888 VT2P	20,19
T6986 VT2P	19
T6987 VT2P	20,19
*T6992 VT2P	20*,19
*T6993 VT2P	20*,19*
*T6996 VT2P	20,19*
Tracy Seeds	
T086-26A	18,17,16
T089-29(3220)	19,18
T090-27	18
T093-26A	19,18,17,16
T094-31	19
*T095-29	20*,19*,18*
*T102-14(3011A)	19*,18
T102-29 (3000GT)	18
T102-29 (3122EZ)	19
*T102-31	20*
*T104-13 (3000GT)	19*,18*,17*,16
T104-14(Vip3122EZ)	18
*T104-26 (3122EZ)	19*,18*,17*
T106-11	18
T107-31	20
*T108-26 (3111)	18,17,16*
T109-31	19
T109-51	20
T111-E2	18
Viking	
42-05	18
*42-92	20*,19*,18*,17
44-98	20,19,18

Brand Hybrid	Year(s) tested
46-02	20
*46-96	20*,18
*48-08	20*,19*,18*
*51-04	20*,19*,18*
52-00	20
*52-96	20,19*
*53-12GS	19*,18*
55-02	20,19,18
*58-11	20*
*71-90GS	19*,18*
*80-89	20*
*84-05	20*,19*
99-00	20,19
*O.18-06UP	20*
*O.31-91	20*
*O.45-97	20*
*O.45-97UP	20*,19*
*O.46-02P	20*
*O.48-08P	20*,19*
*O.51-04P	20*,19*
*O.52-96	20*
O.55-02UP	19
O.58-85UP	18
*O.68-06P	18*
*O.69-01	20*,19*
*O.69-99	18,17*
*O.71-90UP	18*
*O.74-10	20*
*O.74-10GS	19*,18,17
O.79-00P	18
*O.82-14	20*
*O.82-95GS	19*,18*,17
*O.82-95P	19*
*O.84-95UP	20*,19*,18*,17*
*O.85-00P	20*
*O.98-98P	19*
Wyffels	
*W2506	18*
*W2506RIB	20*
*W3018	20*
W3078RIB	18,17
*W3488	18*
*W4196RIB	20*,19*,18*,17*
*W4246	20*
W4358RIB	19
W4638	19
*W5086	19*
W5518RIB	19,18



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