A3653

Wisconsin Corn Hybrid Performance Trials

Grain • Silage • Specialty • Organic

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2018

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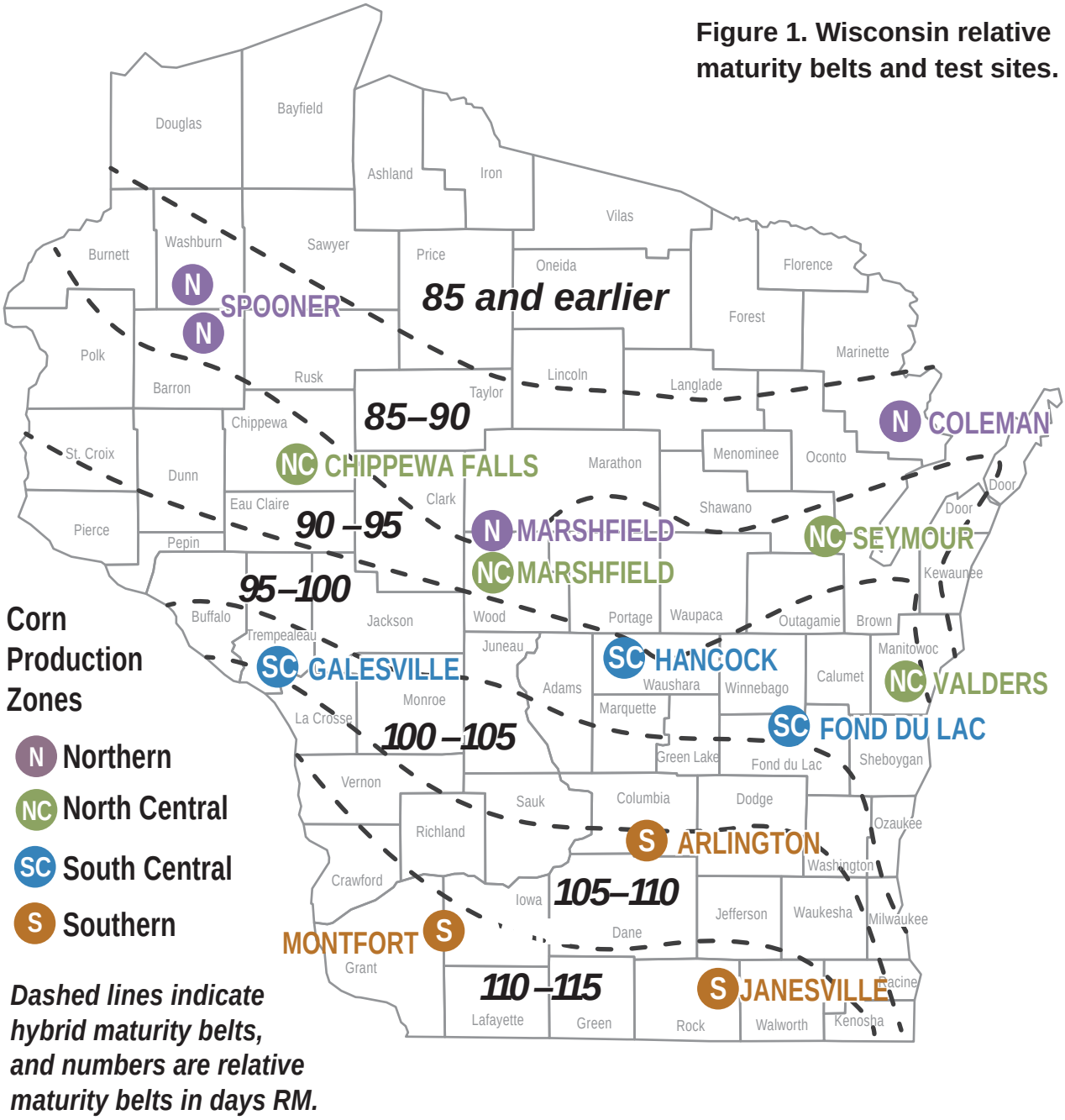

Trait references

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 2018, 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 2018 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 2018 is shown in Table 3. A summary of seed treatment performance in 2018 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 2018

Seasonal precipitation and temperature at the trial sites are shown in Table 5. The 2018 growing season was warmer and wetter than the 30-year normal for most of the season, especially in southern Wisconsin. Warm weather during May accelerated early growth of plantings before May 20. Planting was delayed in NE Wisconsin due to wet field conditions. Most trial plots were established by early May, except for the Coleman, Fond du Lac, and Valders sites. Stand establishment was excellent at all locations. Pollination conditions were above average and ear size was greater than normal. Significant storms in late August caused some flooding and standing water in the plots and surrounding area. The fall killing frost was later than normal. An exceptionally warm and wet fall made harvest difficult. Grain moisture was typical. Tar spot, Phyllachora maydis, was significant at Montfort and disease ratings of all hybrids were obtained. Little disease and insect pressure was observed in other trials. Lodging was significant at Arlington.

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 2018. Yield data for both 2017 and 2018 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 2017 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 2018 results. **Be wary** of any hybrids on your list that had a 2018 PI of 100 or lower. Choose two or three of the remaining hybrids that have relatively high PIs for **both** 2018 and 2017.

    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 2018 or 2017 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 2018 and 2017 over a wide range of locations and climatic conditions.

Note: You are taking a tremendous gamble if you make hybrid selection decisions based on 2018 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 2018 trials.

Brand	Company	Address	City	State	Zip	Website
AgriGold	AgriGold Hybrids	5381 Akin Road	St. Francisville	IL	62460	agrigold.com
Blue River Organic Seed	Blue River Organic Seed	2326 230th Street	Ames	IA	50014	blueriverorgseed.com
Brunner	Brunner Seed, Inc	W. 3850 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	PO Box 64589	St. Paul	MN	55164	winfield.com
Dairyland	Dairyland Seed	P.O. Box 958	West Bend	WI	53095	dairylandseed.com
Dekalb	Monsanto	W. 4211 CTY RD H	Pine River	WI	54965	monsanto.com
DuPont Pioneer	Pioneer Hi-Bred Int'l, Inc	P.O. Box 1100	Johnston	IA	50131	pioneer.com
Federal Hybrids	Federal Hybrids	P.O. Box 17	West Bend	IA	50597	federalhybrids.com
Foundation Direct	Foundation Direct Seeds	634 13th Avenue North	Onalaska	WI	54650	foundationorganicseed.co
Foundation Organic	Foundation Organic Seeds	634 13th Avenue North	Onalaska	WI	54650	foundationorganicseed.co
Frontiersmen	Frontiersmen Inc.	210 North Third Street	Kentland	IN	47951	frontiersmen.ag
Golden Harvest	Syngenta	11055 Wayzata Blvd	Minnetonka	MN	55305	syngenta.com
Great Harvest	Great Harvest Organics	6767 E 276th Street	Atlanta	IN	46031	greatharvestorganics.com
InVision	Growmark, Inc	1701 Towanda Ave	Bloomington	IL	61701	fsseeds.com
Jung	Jung Seed Genetics, Inc	618 Warner Street	Randolph	WI	53956	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	22827 Shissler Road	Elmwood	IL	61529	lgseeds.com
Masters Choice	Masters Choice, Inc	305 West Vienna Street	Anna	IL	62906	seedcorn.com
Munson	Munson Hybrids	1262 Knox Rd 100 E	Galesburg	IL	61401	munsonhybrids.com
NK Brand	Syngenta	11055 Wayzata Blvd	Minnetonka	MN	55305	syngenta.com
O'Brien	O'Brien Farms, Inc	552 Glenway Road	Brooklyn	WI	53521	obrienhybrids.com
PIP	Partners in Production, LLC	P.O Box 777	Sun Prairie	WI	53594	pipseeds.com
Power Plus	Burrus Bros and AssocGrowers	826 Arenzville Rd	Arenzville	IL	62611	hugheshybrids.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.co
Renk	Renk Seed Co.	6809 Wilburn Road	Sun Prairie	WI	53590	renkseed.com
Spectrum	Spectrum Ag Holdings	P.O. Box 7	Linden	IN	47955	spectrumseed.com
Tracy Seeds	Tracy Seeds, LLC	1805 S. State RD 140	Janesville	WI	53546	tracyseeds.com
Viking	Albert Lea Seed	1414 W. Main St./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 2018 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
AgriGold						
A61890VT2RIB	50: CB,RR	88	91		53	11
A62177STXRIB	49: CB,LL,RR,RW	91	93		53	11
A624113220AEZ	59: CB,LL,RR	94	95	101	53	9,11,16
A62578VT2PRO	21: CB,RR	95	97	100	53	9,16
*A62820VT2RIB	50: CB,RR	98	100	100	53	7,9*,16*
*A62922STXRIB	49: CB,LL,RR,RW	99	98	104	53	9,16*
A63138VT2PRO	21: CB,RR	101	101	102	53	7,9,16
A63394STX	23: CB,LL,RR,RW	103	103	103	53	7,10,16
*A63554VT2RIB	50: CB,RR	105	104	101	53	7*,10*,16*
A63655VT2RIB	50: CB,RR	106	103		53	7
*A63656STXRIB	49: CB,LL,RR,RW	106	104	103	53	7*,16
*A63755VT2PRO	21: CB,RR	107	109	108	53	8,17*
*A63874VT2PRO	21: CB,RR	108	109	108	53	8*,17*
*A63894STX	23: CB,LL,RR,RW	108	108	108	53	8,14,17*
*A63940VT2RIB	50: CB,RR	109	110	108	53	8,14,17*
*A64077STXRIB	49: CB,LL,RR,RW	110	110	109	53	8,14*
A64106STX	23: CB,LL,RR,RW	111	111	112	53	8,15
A64178STXRIB	49: CB,LL,RR,RW	111	110	112	53	8,15
Blue River Organic Seed						
*27B16	1: None	88	91		170	22*
*33ND10	1: None	92		95	54	18*
*38G54	1: None	96	92		170	22*
*48G35	1: None	102	102		170	22*
*51T59	1: None	103	101	104	170	19*,22*
*57A30	1: None	107		109	54	17*
*62G22	1: None	110		110	54	17*
Brunner						
2865GTA	2: RR,wo	86	86		149	13
2897GT-3010	3: CB,LL,RR	89	88		149	13
3915GT-3110	6: CB,LL,RR	91	90		149	11,13
4044	1: None	104	103		149	10
EXP105A	59: CB,LL,RR	105	105		149	10
*EXP95A	59: CB,LL,RR	95	96		149	12*
Channel						
*192-98STXRIB	49: CB,LL,RR,RW	92		93	203	20*
198-98STXRIB	49: CB,LL,RR,RW	98		94	192	20
*202-81STXRIB	49: CB,LL,RR,RW	102		104	192	19*
*204-74VT2PRIB	50: CB,RR	104		103	203	19*
*206-11STXRIB	49: CB,LL,RR,RW	106		104	192	16*
*209-15STXRIB	49: CB,LL,RR,RW	109		109	203	14,17*
210-98STXRIB	49: CB,LL,RR,RW	110		111	192	14
Cornelius						
5695VT2P	50: CB,RR	96	98		190	9
6035VT2P	21: CB,RR	100	98		190	9
*6325VT2P	21: CB,RR	103	103	101	190	7*,10*,16*
*6376	1: None	103	104		190	10*
6963	1: None	109	108	108	190	8,17
7228SS	49: CB,LL,RR,RW	112		112	191	15
C271DP	50: CB,RR	97	98		97	9
C324DP	21: CB,RR	101	98		190	9
*C385SS	50: CB,RR	103	103	104	53	7*,10*,16
C408DP	22: CB,RR,RW	104	103	101	97	7,10,16
C457DP	50: CB,RR	106	105		190	7
*C461SS	23: CB,LL,RR,RW	107	107	108	53	8,17*
*C478DP	50: CB,RR	105	104		190	7*,10*
C495DP	21: CB,RR	106	104		190	7
*C508	1: None	107	104	108	97	10,17*
C555-3010	3: CB,LL,RR	108	108	106	97	8,14
C564DP	50: CB,RR	108	109		190	8
C564SS	23: CB,LL,RR,RW	108	109	108	53	8,14
C568	1: None	109	109	108	97	8,14
C573DP	21: CB,RR	108	108		97	8
C633DP	50: CB,RR	110	109	109	97	8,14
C667SS	23: CB,LL,RR,RW	112	110	112	53	8,15
Croplan Genetics						
3899VT2PRIB	50: CB,RR	98	98		190	9,12
3909SSRIB	49: CB,LL,RR,RW	99	99		191	7,9
4099SSRIB	49: CB,LL,RR,RW	100	99		202	7,9,12
Dairyland						
*DS7215	24: CB,LL,RR,RW	115		112	189	15*
*DS7294a	52: CB,LL,RR	94	92		189	11*,13
*DS7603PE	71: CB,LL,RR	103	103		189	7*,10,12*
*DS7909PE	71: CB,LL,RR	109	110	109	189	8*,14*,17*
DS9508RA	54: CB,LL,RR,RW	108	109		189	8
*DS9510RA	54: CB,LL,RR,RW	110	110		189	8*
*DS9599	5: CB,LL,RR,RW	99	97		189	9*,12
DS9686	5: CB,LL,RR,RW	86	88		189	11,13
DS9713RA	54: CB,LL,RR,RW	110		110	189	14,17
DS9804RA	54: CB,LL,RR,RW	104	101		189	7,10,12
*EXP-10206	56: CB,LL,RR	102	104		200	7*,10
*EXP-10411	56: CB,LL,RR	104	106		201	7*,10*
EXP-10617	56: CB,LL,RR	106		104	200	16
EXP-10813	56: CB,LL,RR	108	108		201	8,10
*EXP-11014	56: CB,LL,RR	110	109	109	200	8*,17*
*EXP-11016	56: CB,LL,RR	110	107	109	200	8*,10*,14*,17*
*EXP-11113	56: CB,LL,RR	111	112		200	8*
*EXP-11315	56: CB,LL,RR	113		111	200	15,17*
*EXP-11316	56: CB,LL,RR	113		112	201	15*
*HiDF3099RA	54: CB,LL,RR,RW	99		100	189	16,18*
*HiDF3188-6	16: RR	88		88	189	18*,20*
*HiDF3197RA	54: CB,LL,RR,RW	97		93	189	18*,20
*HiDF3202PE	71: CB,LL,RR	102		103	189	16,19*
HiDF3211RA	54: CB,LL,RR,RW	111		111	189	15,17
*HiDF3290-9	5: CB,LL,RR,RW	90		91	189	18*,20*
*HiDF3407RA	54: CB,LL,RR,RW	107		109	189	14*,17*

† 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 2018 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
HiDF3413SSX	24: CB,LL,RR,RW	113		113	189	15
*HiDF3510SSX	24: CB,LL,RR,RW	110		110	189	14*,17*
*HiDF3605RA	54: CB,LL,RR,RW	105		104	189	16*,19
*HiDF3702-9	5: CB,LL,RR,RW	102		105	189	16*,19*
*HiDF3808RA	54: CB,LL,RR,RW	108		109	189	14*,17*
RPM-2918AM	56: CB,LL,RR	85	86		201	13
*RPM-3518AM	56: CB,LL,RR	96	98	95	201	9*,12*,18*
*RPM-3519AM	56: CB,LL,RR	96	97	94	201	9,12,18*
*RPM-3715AM	56: CB,LL,RR	96	97	93	200	9*,12*,18*
RPM-4018AM	56: CB,LL,RR	101	97		201	12
*RPM-4019AM	56: CB,LL,RR	99	101		201	7*,9*,12*
*RPM-4317AM	56: CB,LL,RR	103	103		200	7*,10*
*RPM-4318AM	56: CB,LL,RR	104	104	103	200	7*,10,16*,19*
*RPM-4329AM	56: CB,LL,RR	104	103	103	201	7*,10*,16*,19*
*RPM-4816AM	56: CB,LL,RR	108	107	109	200	8,10*,14*,17*
*RPM-499AM	56: CB,LL,RR	97	99		201	9*,12*
*RPM-5018AM	56: CB,LL,RR	109	108		201	8,10*
*RPM-5329AM	56: CB,LL,RR	113		112	201	15*
*RPM-562XRR	56: CB,LL,RR	106		105	200	16*
Dekalb						
DKC31-10RIB	50: CB,RR	81	82		136	13
DKC37-50RIB	50: CB,RR	87	86		203	13
DKC40-77RIB	49: CB,LL,RR,RW	90	91		136	11
DKC42-05RIB	50: CB,RR	92		92	203	20
*DKC46-79RIB	49: CB,LL,RR,RW	96		93	186	18*
DKC50-08RIB	49: CB,LL,RR,RW	100	99		192	9
DKC51-38RIB	49: CB,LL,RR,RW	101	99		136	9
*DKC51-91RIB	49: CB,LL,RR,RW	101		104	136	19*
*DKC52-68RIB	50: CB,RR	102	103	103	203	10,16*
*DKC55-84RIB	49: CB,LL,RR,RW	105		103	192	16*
*DKC58-06RIB	49: CB,LL,RR,RW	108	107	105	191	8*,10,17*
DKC58-34RIB	49: CB,LL,RR,RW	108	109		192	8
DKC59-07RIB	49: CB,LL,RR,RW	109	108	108	192	8,14
*DKC60-87RIB	49: CB,LL,RR,RW	110		108	192	14*
DKC63-60RIB	49: CB,LL,RR,RW	113	111	112	191	8,15
DuPont Pioneer						
*P0157AMX	40: CB,LL,RR,RW,wo	101	102		196	7*,9*
*P0306AM	56: CB,LL,RR	103	103		199	7*,10
P9188AM	56: CB,LL,RR	91	89		196	11,13
*P0574AMXT	61: CB,LL,RR,RW	105	105		197	7*
*P0783XR	13: CB,LL,RR,RW,bmr	107		106	197	14*,17*,19*
*P9492AM	56: CB,LL,RR	94	91		197	11*,13*
*P9998AMXT	61: CB,LL,RR,RW,wo	99	98		197	9,12*
Federal Hybrids						
3190VT2P	21: CB,RR	81	82		174	13
3570VT2PRIB	50: CB,RR	83	86		174	13
3660GT3011A	66: CB,LL,RR,RW,wo	86	86		149	13
3790VT2P	21: CB,RR	87	87		174	11,13
3880VT2PRIB	50: CB,RR	88	89		174	11,13
3890VT2P	21: CB,RR	89	88		174	11,13
*4160VT2PRIB	50: CB,RR	91	91	93	174	11*,13,20*
*4190VT2P	21: CB,RR	91	90	91	174	11,13,20*
4470VT2PRIB	50: CB,RR	94	91		174	11
*4580VT2PRIB	50: CB,RR	95	97		174	12*
*4680VT2PRIB	50: CB,RR	96	97	94	174	12*,18,20
*4780VT2P	21: CB,RR	97	97	95	174	12,18*
4990SS	23: CB,LL,RR,RW	99	98		149	9,12
*4999SS	23: CB,LL,RR,RW	99	98	98	149	9*,18
5060SSRIB	49: CB,LL,RR,RW	100	99		149	9
*5280SSRIB	49: CB,LL,RR,RW	102	103		149	7*,10
5370SSRIB	49: CB,LL,RR,RW	103	103		149	10
*5570SSRIB	49: CB,LL,RR,RW	105	103	104	149	7,10,19*
Foundation Direct						
*8500	1: None	104		103	128	19*
8749	1: None	96	98		128	12
8830	1: None	90	90		128	11
8855	1: None	92	89		128	11
8972	1: None	85	87		128	13
EXP095	1: None	88	94		128	13
Foundation Organic						
8749UNT	1: None	96	99		170	21
8749UT	1: None	96	97		170	22
*8855UT	1: None	92	92		170	22*
*EXP103	1: None	104	101		170	21*
HDC106	1: None	106	106		170	21
*ORG8500	1: None	103	101		170	21*
*ORG8507	1: None	102	105		170	21*
ORG8700	1: None	96	98		170	21
*ORG8801	1: None	90	91		170	22*
Frontiersmen						
*090-H8	50: CB,RR	90	92		7	11*
094-D7	50: CB,RR	94	91		7	11
*096-R8	21: CB,RR	96	97		7	9*
103-E8	49: CB,LL,RR,RW	103	103		139	7
Golden Harvest						
G03C84-3120 EZ1	70: CB,LL,RR	103	104		167	7
*G04S19-3010	3: CB,LL,RR	104		104	167	16*
G06Q68-3220 EZ1	59: CB,LL,RR	106	104		167	7
G07A24-3010	3: CB,LL,RR	107	107		167	8
*G09Y24-3220A EZ1	59: CB,LL,RR,wo	109		109	173	14*,17*
*G10T63-3122 EZ1	60: CB,LL,RR,RW	111	110	111	173	8,15,17*
*G12W66-3000GT	5: CB,LL,RR,RW	112	110	111	173	8*,15*
*G90Y04-3220A	52: CB,LL,RR,wo	92	92	93	167	13,18*,20*
*G95D32-3220 EZ1	59: CB,LL,RR	95	99	102	167	9,16*
G96V99-3120 EZ1	70: CB,LL,RR	96	98	100	167	9,16

† 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 2018 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
*G97N86-3110	6: CB,LL,RR	101	97		167	9*
Great Harvest Organics						
*47N2	1: None	97	100		66	21*
*52F3	1: None	102	99		66	21*
*55E4	1: None	105	101		66	21*
*55G3	1: None	105	103		66	21*
InVision						
*FS 35SV1 RIB	50: CB,RR	85	87	89	151	11,13,20*
*FS 37TV1	21: CB,RR	87	87	88	147	11,13,20*
*FS 41TV1	21: CB,RR	91	91	90	147	11,13*,20
*FS 43RA1 EZR	59: CB,LL,RR	93	93	95	151	11*,20
FS 45SV1 RIB	50: CB,RR	95	95	90	151	12,20
FS 46RL0 EZR	70: CB,LL,RR	96	98	97	149	9,18
FS 47TV1 RIB	50: CB,RR	97	98	96	151	9,18
*FS 51QX1 RIB	49: CB,LL,RR,RW	101	101	103	136	7,9,16*,19
*FS 52RL0 EZR	70: CB,LL,RR	102	103	103	151	7,10,16*,19*
*FS 53ZX1 RIB	49: CB,LL,RR,RW	103	104	103	136	7,10,16*,19*
*FS 54A00	1: None	104	104	103	151	7,10,16*,19*
FS 55TX1 RIB	49: CB,LL,RR,RW	105	104	102	136	7,10,16
FS 57ZX1 RIB	49: CB,LL,RR,RW	107	107	108	136	8,17
*FS 58G00	1: None	108	109	108	151	8,17*
FS 58R49	7: CB,LL,RR,RW	108	109	109	173	8,17
*FS 60UX1	23: CB,LL,RR,RW	110	109	109	136	8,14*,17*
*FS 62RL1 EZR	59: CB,LL,RR	112		112	151	15*
FS 62ZX1 RIB	49: CB,LL,RR,RW	112		112	136	15
FS 63ZX1 RIB	49: CB,LL,RR,RW	113		112	136	15
*FS 64SX1 RIB	49: CB,LL,RR,RW	114		112	136	15*
Jung						
31DP308	50: CB,RR	82	83	85	192	13,20
36DP318	50: CB,RR	86	88		203	13
37DP328	50: CB,RR	87	85		192	13
*39DP338	50: CB,RR	89	87		192	13*
*42DP419	50: CB,RR	92	91	91	190	11*,20
*46SS427RIB	49: CB,LL,RR,RW	96	96		192	12*
*46SS428	49: CB,LL,RR,RW	96		93	192	20*
*47DP429	50: CB,RR	97	98		203	9*
48SS439	49: CB,LL,RR,RW	98	98	96	192	9,18
*49SS437RIB	49: CB,LL,RR,RW	99		98	192	18*
*4D178RIB	50: CB,RR	84	86	91	190	13,20*
*4D331RIB	50: CB,RR	92	91		190	11*
4D381RIB	50: CB,RR	94	92		190	11
*51SS509	49: CB,LL,RR,RW	101	100	104	192	9,19*
52SS507RIB	49: CB,LL,RR,RW	102	104		192	7,10
53SS517RIB	49: CB,LL,RR,RW	103	104	104	192	7,19
54SS528	49: CB,LL,RR,RW	104	103		192	7
*56SS538	49: CB,LL,RR,RW	106	105	103	192	7,16*
58SS529	49: CB,LL,RR,RW	108	109	109	192	8,14,17
58SS537RIB	49: CB,LL,RR,RW	108	108	108	192	8,17
61SS608	49: CB,LL,RR,RW	111	112		192	8
7S331RIB	49: CB,LL,RR,RW	92	90		191	11
7S378RIB	49: CB,LL,RR,RW	94		95	191	20
7S522RIB	49: CB,LL,RR,RW	102	103		191	10
7S744RIB	49: CB,LL,RR,RW	111		112	191	15
HDS36R22	16: RR	102		103	190	19
LG Seeds						
LG30C02VT2RIB	50: CB,RR	80	87		136	13
*LG38C18VT2RIB	50: CB,RR	88	87	93	136	13,20*
*LG44C27VT2PRO	21: CB,RR	94	91	93	136	11*,18*,20*
*LG44C34-3110	6: CB,LL,RR	94	91	94	136	11*,18*,20*
LG5370VT2RIB	50: CB,RR	84	83		136	13
LG5375VT2RIB	50: CB,RR	85	84		136	13
LG5410VT2RIB	50: CB,RR	91	92	92	136	11,20
*LG5465VT2RIB	50: CB,RR	97	97	95	136	9,12*,18*
*LG5494VT2RIB	50: CB,RR	99	98	95	136	9,12*,18*
LG5499STXRIB	49: CB,LL,RR,RW	102		102	136	16
LG5499VT2RIB	50: CB,RR	102	103		136	7,10
*LG5505STXRIB	49: CB,LL,RR,RW	100		104	136	16*,19
LG5505VT2RIB	50: CB,RR	100	98		136	9
*LG5525VT2RIB	50: CB,RR	105	104	101	136	7,10,16*
*LG5548STXRIB	49: CB,LL,RR,RW	109	109	109	136	8,14,17*
*LG5565STXRIB	49: CB,LL,RR,RW	108	108	109	136	8,17*
*LG5606STXRIB	49: CB,LL,RR,RW	111	110	112	136	8,15*
LG57C28VT2PRO	21: CB,RR	107	108	108	136	8,17
*LG58C77VT2PRO	21: CB,RR	108	109	109	136	8,17*
*LG59C66VT2PRO	21: CB,RR	109	108	107	136	8,14*,17*
LG62C02STX	23: CB,LL,RR,RW	112		112	136	15
*LG62C02VT2PRO	21: CB,RR	112	111		136	8*
Latham						
3755VT2PRO	21: CB,RR	87		90	151	20
*4242VT2PRO	21: CB,RR	92		92	151	20*
*5495-3122EZR	60: CB,LL,RR,RW	104		104	151	19*
*5742RR	16: RR	107		106	151	17*,19*
*5885VT2PRO	21: CB,RR	108		108	151	17*
*6045VT2PRO	50: CB,RR	110		108	151	14,17*
*6224-3120EZR	70: CB,LL,RR	112		112	151	15*
6285VT2PRO	21: CB,RR	112		112	151	15
6477VT2PRO	21: CB,RR	114		112	151	15
*EX103VT2PRO	21: CB,RR	103		103	151	19*
Legacy Seeds						
L2817(RIB)	50: CB,RR	86	86		206	13
L2847	50: CB,RR	88	88	91	206	13,20
L2937(3120EZ)	70: CB,LL,RR	89	89	92	175	13,20
*L3017	50: CB,RR	90	91		206	11*,13*
L3115	23: CB,LL,RR,RW	93	93		209	11
L3117	21: CB,RR	91	90		174	11,13
*L3517(RIB)	50: CB,RR	95	97		206	12*

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Table 2 (continued). Corn hybrids included in the 2018 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
*L3537	6: CB,LL,RR	95		94	175	18*,20
L3617	50: CB,RR	97	97		206	9,12
*L3718	67: CB,DT,RR	98	98		174	9*,12*
L4433(3122EZ)	60: CB,LL,RR,RW	101		104	208	19
*L5217	23: CB,LL,RR,RW	103	104	103	174	7,10,16*,19*
L5350	60: CB,LL,RR,RW	104		104	208	16,19
L5418	23: CB,LL,RR,RW	104	103		174	7,10
L5516	49: CB,LL,RR,RW	106	104		209	7,10
L6838	3: CB,LL,RR	108		105	175	17,19
L6918	23: CB,LL,RR,RW	108	109		174	8
L6937	7: CB,LL,RR,RW	109		109	175	14,17
L7236	5: CB,LL,RR,RW	112		113	208	15
Legend Seeds						
JSC30J711	1: None	111		112	164	15
JSC40J684RR	16: RR	84	86	93	164	13,18
JSC40J704RR	16: RR	104	104		164	7,10
JSC47J104-3122	60: CB,LL,RR,RW	104		104	164	16,19
*JSC47J988-3120	70: CB,LL,RR	88	91	94	164	11*,18*
*LR94A01-3011A	66: CB,LL,RR,RW,wo	101		103	164	19*
LR9600GENSSRIB	49: CB,LL,RR,RW	100	99		164	9
*LR9691VT2PRIB	50: CB,RR	91	91		164	11*
LR9701GENSSRIB	49: CB,LL,RR,RW	101	99		164	9
*LR9804GENSSRIB	49: CB,LL,RR,RW	104	104		164	7,10*
*LR9809VT2PRIB	50: CB,RR	109		108	164	14,17*
LR9811VT2PRIB	50: CB,RR	111	109		164	8
LR9882VT2PRIB	50: CB,RR	82	84		164	13
LR9895VT2PRIB	50: CB,RR	95	97		164	12
LR9897VT2PRIB	50: CB,RR	97	98		164	9
LR9907GENSSRIB	50: CB,RR	107	107		164	8,10
LR9910GENSSRIB	49: CB,LL,RR,RW	110	110		164	8
LR9912GENSSRIB	49: CB,LL,RR,RW	112		112	164	15
LR9996-3120	70: CB,LL,RR	96	97		164	12
LR9999VT2PRIB	50: CB,RR	99		96	164	18
Masters Choice						
*MC5790	1: None	107	109	107	149	14*,17,19,21*
*MCT2552 VIP3110	6: CB,LL,RR	75		83	167	20*
MCT3891 GT	2: RR	88		87	167	18,20
MCT4572 VIP3110	6: CB,LL,RR	95		93	167	18,20
*MCT4632 VIP3110	6: CB,LL,RR	96		95	167	18*
MCT4934 VIP3111	7: CB,LL,RR,RW	99		99	167	14,16,18
*MCT5454 VIP3111	7: CB,LL,RR,RW	104		104	167	14,16,19*
MCT6552 VIP3110	6: CB,LL,RR	115		112	167	15
Munson						
4417GT	2: RR	84	86		190	13
*4821RR	16: RR	88	89	93	190	11,13,18*
*4830-3120EZ	70: CB,LL,RR	88	89	93	190	13,18*
*5016VT2P	50: CB,RR	90	90		190	11*,13
5204-3010	3: CB,LL,RR	92	92		190	11
5359-3110A	6: CB,LL,RR,wo	93	91		190	11
*5456VT2P	21: CB,RR	94	94	94	190	11,13*,18*
*5695VT2P	50: CB,RR	96	96		190	12*
*5710VT2P	21: CB,RR	97	97	96	190	12*,18*
*6035VT2P	21: CB,RR	100	98		190	12*
NK Brand						
*N27P-3110A	6: CB,LL,RR,wo	92	91	93	167	11*,13,20
*N40L-3000GT	5: CB,LL,RR,RW	98	96		167	12*
*NK0330-3120	70: CB,LL,RR	103	103	103	167	10,19*
*NK0440-3010	3: CB,LL,RR	104		104	167	14*,16*,19*
*NK0602-3010	3: CB,LL,RR	106	103		167	7*
*NK0624-3220	59: CB,LL,RR	106	105	104	167	7,14,16*
NK0763-3010	3: CB,LL,RR	107	108		167	8
*NK1066-3122	60: CB,LL,RR,RW	110		110	173	14*
*NK1284-3220	59: CB,LL,RR	112		112	173	15*
NK8618-3011A	2: RR,wo	88		85	167	20
NK8881-3010A	3: CB,LL,RR,wo	88	87	89	167	13,18,20
NK9227-3220A	59: CB,LL,RR,wo	92		94	167	20
*NK9505-3110	6: CB,LL,RR	95	97	93	167	12,18*,20
NK9535-3220EZ1	59: CB,LL,RR	95		94	167	18
*NK9738-3110	6: CB,LL,RR	97		100	167	16*
NK9813-3000GT	5: CB,LL,RR,RW	98		100	167	16
NK9852-3010	3: CB,LL,RR	98	96	99	167	12,16
O'Brien Hybrids						
OB1101	1: None	101	98		54	12
OB1104	1: None	104	106	106	149	10,16
OB1109	1: None	109	111	110	54	8,14
OBX1106	1: None	105	106	103	54	10,16
OBX1107	1: None	107	106	109	54	10,17
Organic						
*UW Check D	1: None	94	94		3	21,22*
*UW Check D-HW	1: None	94	95		3	21,22*
PIP						
3888	3: CB,LL,RR	88	87		149	13
4693	6: CB,LL,RR	93	92		149	11
4796	70: CB,LL,RR	96	98		149	9
4894	6: CB,LL,RR	94	98		149	9
4897	59: CB,LL,RR	97	98	95	149	9,18
*5708(3220EZ)	59: CB,LL,RR	108		109	149	14*
*5803	3: CB,LL,RR	103		104	149	16*
5805	59: CB,LL,RR	105	105		149	7
5806	3: CB,LL,RR	106	106		149	7
Power Plus						
*1N07AMXT	63: CB,LL,RR,RW,wo	100	103		196	7*
*2Y06AM	56: CB,LL,RR	104	104		198	7*
*4A67AMXT	61: CB,LL,RR,RW	109	109	109	198	8*,14*

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Table 2 (continued). Corn hybrids included in the 2018 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
9U13AM	55: CB,LL,RR	98	102		196	7
Prairie Hybrids						
3081	1: None	104	101		170	21
*3415	1: None	104		100	113	19*
*418	1: None	97		93	51	18,20*
*4711	1: None	106	104		170	21,22*
*4718	1: None	106		105	113	14*,16*,19*
*5200	1: None	108		107	51	14*,17*,19*
*6212	1: None	111		111	51	15,17*
*7355	1: None	112		111	113	15*,17
*8759	1: None	114		112	7	15*
ProHarvest						
4255STAXRIB	49: CB,LL,RR,RW	92	91		136	11,13
*4340VT2P	21: CB,RR	93	90		191	13*
4545RR	16: RR	95	97		191	12
4825SXRIB	49: CB,LL,RR,RW	98	98		191	12
6030VT2RIB	50: CB,RR	98	98		191	9
6333STAXRIB	49: CB,LL,RR,RW	103	103		186	10
6420SXRIB	49: CB,LL,RR,RW	104	105		191	10
*X17451VT2P	21: CB,RR	96	96		192	12*
X18320	1: None	87	86		186	13
*X18473VT2P	21: CB,RR	100	99		192	9*,12*
Project Seeds						
8978GT	2: RR	86	86		128	13
*PS8823GTCBLL	3: CB,LL,RR	88	91		128	11*
PS8922GT	2: RR	85	86		128	13
PS90	1: None	90	90		128	11
PS96	1: None	96	97		128	12
*PS98GT	2: RR	98		94	128	18*
Renk						
*7-726SSTX	23: CB,LL,RR,RW	107		108	136	17*
*8-536VT2P	21: CB,RR	94	93		151	11*
*8-593SSTX	23: CB,LL,RR,RW	99	98		136	12*
RK264RR	16: RR	85	86		151	13
*RK287VT2P	50: CB,RR	87	88		151	13*
RK408VT2P	50: CB,RR	90	91		151	11,13
*RK433RR	16: RR	92	91		151	11*
*RK579DGVT2P	67: CB,DT,RR	98	98		151	12*
RK587VT2P	50: CB,RR	97	98		151	12
*RK604SSTX	23: CB,LL,RR,RW	102	103		136	10*
RK608DGVT2P	68: CB,DT,RR	100	97		151	12
RK642SSTX	23: CB,LL,RR,RW	103	104	104	136	10,19
*RK710DGVT2P	67: CB,DT,RR	106	104	104	151	10*,19
*RK717SSTX	49: CB,LL,RR,RW	105	104	103	136	7,10,19*
*RK737SSTX	23: CB,LL,RR,RW	106	104	103	136	10*,19*
RK763VT2P	50: CB,RR	108	108	108	151	8,17
RK779SSTX	23: CB,LL,RR,RW	108	108		136	8
RK842SSTX	49: CB,LL,RR,RW	112	111	109	136	8,17
*RK859DGVT2P	67: CB,DT,RR	112		109	151	17*
RK877DGVT2P	68: CB,DT,RR	112	110		151	8
Spectrum						
3617	1: None	86	90		149	13
4046	1: None	90		96	149	18
6105	1: None	111		112	149	15
Tracy Seeds						
T086-26A	66: CB,LL,RR,RW,wo	86	91		184	11
T089-29	3: CB,LL,RR	89	90		175	11
T090-27	2: RR	91	91		204	11
T093-26A	6: CB,LL,RR,wo	93	91		184	11
*T095-29	59: CB,LL,RR	95	98	96	133	9*,12,18*
T102-14(3011A)	66: CB,LL,RR,RW,wo	101	99	103	149	9,19
T102-29	2: RR	102	103		149	7,10
*T104-13 (3000GT)	5: CB,LL,RR,RW	104		104	184	19*
T104-14(Vip3122EZ)	60: CB,LL,RR,RW	105		104	133	19
*T104-26 (3122EZ)	60: CB,LL,RR,RW	104	104		133	7*,10
T106-11	7: CB,LL,RR,RW	106	105		184	7
T108-26 (3111)	7: CB,LL,RR,RW	108	109		184	8
T111-E2	3: CB,LL,RR	111	110		121	8
Viking						
42-05	1: None	105	106		205	7,10
*42-92	1: None	92	91	93	205	11*,18*,20*
44-98	1: None	98	97		205	9,12
46-96	1: None	96	97		205	9,12
*48-08GS	1: None	108	109	107	205	8*,14
*51-04GS	1: None	104	104	104	205	10,14*,16*
*53-12GS	1: None	112	109	112	205	8*,15*
55-02	1: None	102	104		175	10
*71-90GS	1: None	90		91	205	18*,20*
O.58-85UP	1: None	85	91		194	22
*O.68-06P	1: None	106	105		194	21*
O.69-99	1: None	99	101		194	21
*O.71-90UP	1: None	90	92		194	22*
O.74-10GS	1: None	110		109	195	14
O.79-00P	1: None	100	98	102	194	16,21
*O.82-95	1: None	95		95	195	18*
*O.84-95UP	1: None	95	94		194	21,22*
Wyffels						
*W2506	21: CB,RR	101	102		53	7*
W3078RIB	49: CB,LL,RR,RW	106	103		53	7
*W3488	23: CB,LL,RR,RW	104	104		53	7*
*W4196RIB	50: CB,RR	105	104		53	7*
W5518	23: CB,LL,RR,RW	109	109		53	8

† 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 2018 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	341	-4.4	342	-0.01
2	Agrisure® GT	2006	GT	RR	88	-18.5	41	
3	Agrisure® 3010	2006	3010	CB,LL,RR	144	-3.1	81	0.12
5	Agrisure® 3000GT	2008	3000GT	CB,LL,RR,RW	79	* 5.0	69	0.16
6	Agrisure Viptera® 3110	2011	Vip3110	CB,LL,RR	142	0.1	129	-0.40
7	Agrisure Viptera® 3111	2010	Vip3111	CB,LL,RR,RW	27		60	-0.73
13	Herculex® XTRA plus Roundup Ready® Corn	2006	RR2HXT	CB,LL,RR,RW			21	
16	Roundup Ready® Corn 2	2000	RR2	RR	99	-1.9	63	-0.11
21	Genuity™ VT Double Pro™	2008	GENVT2Pro	CB,RR	453	2.4	189	0.09
22	Genuity™ VT Triple Pro™	2010	GENVT3Pro	CB,RR,RW	18		6	
23	Genuity™ SmartStax™	2008	GENSS	CB,LL,RR,RW	223	0.8	108	-0.41
24	DAS SmartStax™	2009	DASSS	CB,LL,RR,RW			24	
40	Optimum® AcreMax® Xtra	2012	AMX	CB,LL,RR,RW	18			
49	Genuity™ SmartStax™ RIB	2013	GENSSRIB	CB,LL,RR,RW	606	-2.8	366	-0.11
50	Genuity™ VT Double Pro™ RIB	2008	GENVT2ProRIB	CB,RR	975	-2.5	264	0.00
52	Agrisure Viptera® 3220	2013	Vip3220	CB,LL,RR	53	* 4.9	21	
54	DAS SmartStax™plus RIB	2009	DASSSRIB	CB,LL,RR,RW	48		99	0.23
55	Optimum® Intrasect®	2006	YGCBHX1LLRR2	CB,LL,RR	8			
56	Optimum® AcreMax®	2013	AMRIB	CB,LL,RR	418	* 11.2	123	* 0.73
59	Agrisure Viptera® 3220 E-Z Refuge®	2014	Vip3220RIB	CB,LL,RR	120	0.8	105	-0.01
60	Agrisure® 3122 E-Z Refuge®	2014	3122RIB	CB,LL,RR,RW	26		75	-0.03
61	Optimum® AcreMax® Xtreme	2014	AMXT	CB,LL,RR,RW	38		6	
63	Optimum® Intrasect®Xtra	2014	YGCB,HXX,LL,RR2	CB,LL,RR,RW	9			
66	Agrisure® 3011	2008	3011	CB,LL,RR,RW	36		18	
67	Genuity™ VT Double Pro™ DroughtGard™	2016	GENVT2ProDG	CB,DT,RR	42		15	
68	Genuity™ VT Double Pro™ DroughtGard™ RIB	2016	GENVT2ProDGRIB	CB,DT,RR	21			
70	Agrisure® 3120 E-Z Refuge®	2016	3120RIB	CB,LL,RR	115	-5.2	75	-0.15
71	Powercore	2018	PCORE	CB,LL,RR	39		27	
	LSD(0.10)					8.7		0.42

† 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 2018 UW corn trials.

Seed	Treatment Mix		Grain yield‡		Forage yield‡	
Trt.†	Biological | Fungicide | Insecticide | Micronutrients | Nematicide | PGR	Brand	N	Bu/A	N	T/A
3	Untreated		42			
7	Poncho 250		32		6	
51	MaximXL | Lorsban				54	* 0.58
53	Poncho500 | VOTiVO		315	1.0	126	-0.21
54	ApronXL+Maxim		39		39	
66	Unknown		36			
97	Dynasty+MaximXL | Cruiser250		80	-4.3	30	
113	Dynasty+MaximXL | Lorsban				51	0.17
121	ApronXL+Dynasty+MaximXL | Cruiser | Avicta	Avicta Complete Corn	9			
128	Apron+Dynasty+Maxim+TBZ	Maxim Quattro	131	-4.5	18	
133	Apron+Dynasty+Maxim+TBZ l Cruiser250	Maxim Quattro+Cruiser250	38		18	
136	Apron+Stratego+Vortex | Poncho500 | VOTiVO	Acceleron+Poncho500+VOTiVO	462	-0.9	285	-0.03
139	Poncho 500		9			
147	Apron+Stratego+Vortex | Poncho250 | VOTiVO	Acceleron+Poncho250+VOTiVO	54	* 5.9	24	
149	Maxim Quattro | Cruiser 5FS	CruiserMaxx Corn250	326	-3.7	99	0.00
151	Apron+Stratego+Vortex | Poncho250	Acceleron 250	246	-3.1	201	0.00
164	Maxim Quattro | Cruiser 5FS | Quickroots	CruiserMaxx Corn250+Quickroots	176	-4.2	75	-0.34
167	Vibrance+ApronXL+Dynasty+MaximXL | Cruiser | Avicta	Avicta Complete 250+Vibrance	219	0.0	296	-0.31
170	Humic Acid	1r - seed treatment	167	0.3	9	
173	ApronXL+Dynasty+MaximXL+Vibrance | Cruiser | Avicta	Avicta Complete 500+Vibrance	27		54	0.18
174	Apron+Stratego+Vortex | Poncho500	Acceleron 500	304	-3.8	69	-0.19
175	Maxim Quattro+Vibrance | Cruiser 5FS	CruiserMaxx Corn250+Vibrance	36		60	-0.14
184	Cruiser 5FS l Maxim Quattro | Wuxal Terios Zn+	CruiserMaxx Corn 250+Wuxal Terios Zn+	42		9	
186	Ipcanazole+Metalaxyl+Trilex | Poncho500 | VOTiVO		24		9	
189	Intego+Maxim Quattro | Cruiser 5FS | Myconate	CruiserMaxx500+Intego+Myconate	159	* 7.8	207	* 0.27
190	Metalaxyl+Fluoxastrobin+Prothioconazole | Poncho250		338	3.4	81	0.20
191	Metalaxyl+Fluoxastrobin+Prothioconazole | Poncho500 | VOTiVO		131	-3.4	42	
192	Acceleron B-300 SAT | Metalaxyl+Fluoxastrobin+Prothioconazole | Poncho		206	-2.1	135	-0.17
194	Humic Acid+Microbials	1R seed treatment+SabrEx	70	-9.8	6	
195	Cruiser | SabrEx				15	
196	Raxil | Poncho1250 | VOTiVO		62	* 5.1		
197	Raxil | Poncho1250+Lumivia | VOTiVO		57	* 15.0	21	
198	Maxim Quattro | Cruiser 5FS+Lumivia	CruiserMaxx Corn250+Lumivia	17		6	
199	Raxil | Cruiser500+Lumivia		18			
200	Maxim Quattro+Ethaboxam+Raxil | Poncho500 | Votivo		129	* 14.5	78	* 0.74
201	Maxim Quattro+Ethaboxam+Raxil | Cruiser250+Lumivia		210	* 8.1	45	
202	Ipcanazole+Metalaxyl+Trilex | Poncho500 | VOTiVO | Zinc		30			
203	Acceleron B-300 SAT | Metalaxyl+Fluoxastrobin+Prothioconazole | Poncho		67	-9.4	51	-0.09
204	Apron+Dynasty+Maxim+TBZ l Cruiser250 | Wuxal Terios Zn+	Maxim Quattro+Cruiser250	12			
205	Maxim Quattro+Vibrance | Cruiser 5FS | SabrEx	CruiserMaxx Corn250+Vibrance+Sabre Ex	95	1.3	66	0.22
206	Apron+Stratego+Vortex | Poncho250 | Wuxal Terios Zn+ | SabrEx	Acceleron 250+ Zinc+Sabre Ex	90	4.8	12	
208	Maxim Quattro+Vibrance | Cruiser 5FS | Wuxal Terios | Zn+	CruiserMaxx Corn250+Vibrance + Zinc			30	
209	Poncho500 | VOTiVO | Zn | SabrEx		29			
	LSD(0.10)			9.9		0.47

† 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. 2018 Temperature and Precipitation Summary.

Location	Temperature (Average) Precipitation (Total)	May 30-year Normal	May 2018 Departure	June 30-year Normal	June 2018 Departure	July 30-year Normal	July 2018 Departure	August 30-year Normal	August 2018 Departure	September 30-year Normal	September 2018 Departure
Arlington	Temperature	55.7	8.3	65.6	3.1	69.4	2.0	67.3	3.6	59.3	4.3
	Precipitation	3.7	3.4	4.7	0.6	4.2	-1.8	3.9	5.5	3.5	0.9
Chippewa Falls*	Temperature	57.6	6.2	66.9	3.0	71.6	-0.6	69.3	0.4	60.2	1.7
(Eau Claire)	Precipitation	3.5	-0.4	4.1	0.0	3.9	-2.3	4.5	1.2	3.7	1.1
	Irrigation	0.0		1.0		2.0		1.0		0.0	
Coleman	Temperature	54.2	6.0	64.0	1.7	68.4	1.8	66.7	3.4	58.5	3.0
(Oconto)	Precipitation	3.4	-0.8	3.6	-1.6	3.8	-1.0	3.5	0.5	3.3	0.0
Fond du Lac	Temperature	56.3	6.8	66.0	0.7	70.4	0.8	68.6	1.1	60.7	1.5
	Precipitation	3.1	3.9	3.9	-1.3	3.5	0.1	3.5	6.1	3.4	-0.2
Galesville	Temperature	59.3	7.9	68.5	4.9	72.7	1.8	70.5	3.0	62.1	3.9
(Trempealeau)	Precipitation	3.7	3.3	3.8	1.8	4.4	-1.1	4.5	-1.0	3.8	2.5
Hancock*	Temperature	56.8	6.7	66.5	1.0	70.3	1.0	68.3	1.6	60.0	2.5
	Precipitation	3.7	2.6	4.5	1.0	4.4	-0.4	4.2	2.9	3.4	2.4
	Irrigation	0.0		1.5		5.9		3.4		0.4	
Janesville	Temperature	58.7	3.0	68.6	-2.1	72.5	-3.0	70.8	-1.5	62.9	-0.6
(Beloit)	Precipitation	3.8	0.6	4.7	4.7	3.9	-1.6	4.3	2.0	3.7	3.8
Marshfield	Temperature	56.1	6.4	65.8	1.3	70.1	0.4	68.1	0.7	59.1	2.2
	Precipitation	3.7	0.4	4.5	1.0	4.0	-1.4	4.3	0.2	3.9	1.0
Montfort	Temperature	57.3	7.4	66.9	2.7	70.8	0.9	69.0	1.8	60.8	3.2
(Lancaster)	Precipitation	4.1	2.3	5.3	1.1	4.3	1.1	4.2	4.9	3.1	9.0
Seymour	Temperature	56.2	6.1	65.5	2.2	69.8	1.9	68.5	1.6	59.8	3.1
(Green Bay)	Precipitation	2.9	0.7	3.9	0.9	3.5	-0.4	3.4	3.0	3.0	1.9
Spooner*	Temperature	55.7	7.3	64.9	2.2	69.3	0.5	67.3	1.2	58.3	2.1
	Precipitation	3.5	-0.4	4.0	1.1	4.1	-1.2	4.2	-1.2	3.8	0.8
	Irrigation	0.4		0.0		1.6		2.2		0.0	
Valders	Temperature	53.5	3.5	63.7	-0.3	69.2	-2.0	68.3	1.6	60.7	0.0
(Manitowoc)	Precipitation	3.1	1.3	3.5	0.8	3.4	1.0	3.6	2.9	3.1	-0.8

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

Source: Wisconsin State Climatology Office

Table 6. Individual Trial Information - 2018 Trials.

Location		Previous Crop /		Av. Final		Soil Test			Nitrogen Fertilizer				
		Row Width (in)	Harvest	Stand	Tillage	pH	P	K	actual N	form	time	Insect	
Soil Series	Cooperators	Planting Date	Dates	(plants/A)	Operations		--(ppm)--		(lbs/A)			Control	Weed Control
Arlington	M. Bertram	Alfalfa / 30	Oct-9	G: 32628	Disk Chisel	6.2	37	106	13235 gal	Manure	pre	Force 3G	Resicore 80.0 oz/A
Plano Silt Loam		May-1	Sep-7	S: 34374	Field Cultivator	OM %: 3.5			115	46-0-0	pre	4.4 lbs/A	Simazine 4L 16.0 oz/A
									18	9-11-30-6S-1Zn	plant		
Chippewa Falls	J. Clark	Corn / 30	Oct-4	G: 30266	Spring Chisel	6.3	34	146	10000 gal	Manure	pre	Force 3G	Acuron 3.0 qt/A
Sattre Silt Loam	J. Jensen	May-2		O:29184	Field Cultivator	OM %: 2.5			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	
Irrigated			Aug-30	S:31741					100	28-0-0	post		Cultivated
Coleman	T. Kuchta	Wheat / 30	Oct-15	G: 33221	Fall Chisel	6.0	57	132	5000 gal	Manure	pre	Force 3G	Acuron 3.0 qt/A
Oconto Sandy Loam		May-17	Sep-6	S: 34870	Field Cultivator	OM %: 1.3			5	18-46-0	pre	4.4 lbs/A	
									16	21-0-0-24S	pre/post		
									92	46-0-0	pre/post		
									18	9-11-30-6S-1Zn	plant		
Fond du Lac	E. Montsma	Soybean / 30	Oct-18	G: 32852	Fall Chisel	6.5	21	110	180	46-0-0	pre	Force 3G	Acuron 3.0 qt/A
Virgil Silt Loam		May-24		O: 31983	Field Cultivator	OM %: 2.5			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	
			Sep-14	S: 34118									
Galesville	K. Congdon	Soybean / 30	Oct-4	G: 32693	Field Cultivator	5.2	27	149	100	46-0-0	pre	Force 3G	DiFlexx 1.0 pt/A
Downs Silt Loam		April-30		O: 29770		OM %: 3.2			21	21-0-0-24S	pre	4.4 lbs/A	Laudis 3.0 oz/A
			Sep-10	S: 32873					18	18-46-0	pre		
									18	9-11-30-6S-1Zn	plant		
Hancock	P. Sytsma	Corn / 30	Oct-11	G: 31073	Spring Disk	5.7	62	106	18	9-11-30-6S-1Zn	plant	Force 3G	Prowl 2.0 pt/A
Plainfield Sand		May-3		O: 29591		OM %: 0.9			32	21-0-0-24S	post	4.4 lbs/A	Laudis 3.0 oz/A
Irrigated									39	11-52-0	post		
									106	32-0-0	post		
Janesville	N. Baker	Corn / 30	Sep-28	G: 32601	Spring Chisel	6.0	29	93	18	9-11-30-6S-1Zn	plant	Force 3G	Acuron 3.0 qt/A
Plano Silt Loam		May-1			Field Cultivator	OM %: 3.0			200	28-0-0	post	4.4 lbs/A	
Marshfield	J. Cavadini	Soybean / 30	Oct-18	G: 30853	Vertical Till	6.0	30	91	18	9-11-30-6S-1Zn	plant	Force 3G	Me-too-lachlor 1.7 pt/A
Withee Silt Loam		May-8		O: 26677		OM %: 2.8			119	28-0-0	post	4.4 lbs/A	Hornet WDG 3.0 oz/A
			Sep-12	S: 31508									Accent 1.0 oz/A
Montfort	B. Bender	Soybean / 30	Sep-27	G: 32348	Strip-Till	6.8	41	162	21	21-0-0-24S	fall	Force 3G	Compadre 2.6 oz/A
Dodgeville Silt Loam		April-28	Aug-31	S: 32787		OM %: 2.9			6	11-52-0	fall	4.4 lbs/A	Atrazine 4L 28.8 oz/A
									18	9-11-30-6S-1Zn	plant		Callisto 3.0 oz/A
									185	32-0-0	pre		Zidua 2.0 oz/A
Seymour	M. Maass	Soybean / 30	Oct-16	G: 33453	Chisel Plow	6.9	25	146	70	46-0-0	pre	Force 3G	Roundup 30.0 oz/A
Onaway Silt Loam		May-17		O: 33053	Field Cultivator	OM %: 2.3			17	11-52-0	pre	4.4 lbs/A	Capreno 4.0 oz/A
									18	9-11-30-6S-1Zn	plant		Atrazine 0.75 lb/A
									71	32-0-0	post		
Spooner	P. Holman	Soybean / 30	Oct-16	G: 35698	Disk	6.6	53	101	23	9-23-30	pre	None	Dual II Mag 1.0 pt/A
Irrigated		May-11	Sep-7	S: 35936		OM %: 1.3			26	13-13-17-9S	plant		Hornet 4.0 oz/A
Cress Sandy Loam									88	44-0-0	post		
									46	46-0-0	post		
Silt Loam		Soybean / 30	Oct-17	G: 35624	Spring Chisel	6.3	30	220	23	9-23-30	pre	None	Dual II Mag 1.0 pt/A
Antigo Silt Loam		May-14	Sep-18	S: 37717	Disk	OM %: 2.1			26	13-13-17-9S	plant		Hornet 4.0 oz/A
									73	44-0-0	post		Status 5.0 oz/A
									39	46-0-0	post		
Dryland		Wheat / 30	Oct-17	G: 30675	Disk	6.2	42	170	23	9-23-30	pre	None	Dual II Mag 1.0 pt/A
Cress Sandy Loam		May-9				OM %: 1.4			26	13-13-17-9S	plant		Hornet 4.0 oz/A
									88	44-0-0	post		Status 5.0 oz/A
									46	46-0-0	post		
Valders	D. Wagner	Alfalfa / 30	Oct-15	G: 32632	Chisel Plow	7.2	29	97	10000 gal	Manure	pre	Force 3G	Realm Q 4.0 oz/A
Kewaunee Clay Loam		May-23		O: 32196	Field Cultivator	OM %: 2.9			18	9-11-30-6S-1Zn	plant	4.4 lbs/A	Atrazine 1.0 lb/A
			Sep-13	S: 33594					51	28-0-0-5	post		

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)

			2018								2017				
			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
Croplan Genetics	3909SSRIB	CB,LL,RR,RW	234	99	19.2	54	2	260	217	226					
AgriGold	A62820VT2RIB	CB,RR	238	100	20.0	54	3	265	224	225					
Croplan Genetics	4099SSRIB	CB,LL,RR,RW	230	98	20.1	55	1	246	233	210					
Cornelius	C408DP	CB,RR,RW	231	98	20.2	56	1	254	227	212	258	* 103	265	* 261	248
Dairyland	RPM-4317AM	CB,LL,RR	* 262	* 105	20.2	55	2	281	* 263	* 242					
Cornelius	C385SS	CB,RR	253	* 103	20.4	54	2	277	* 240	* 241					
Power Plus	9U13AM	CB,LL,RR	244	100	20.4	59	5	268	* 240	225					
Wyffels	W2506	CB,RR	257	* 104	20.5	55	1	282	* 242	* 248					
InVision	FS 51QX1 RIB	CB,LL,RR,RW	239	100	20.8	56	2	263	233	220					
LG Seeds	LG5499VT2RIB	CB,RR	238	99	20.9	56	6	255	222	237					
Cornelius	6325VT2P	CB,RR	* 260	* 104	20.9	56	3	279	* 260	* 240					
Power Plus	1N07AMXT	CB,LL,RR,RW-wo	250	* 102	21.1	55	1	275	236	* 240					
InVision	FS 52RL0 EZR	CB,LL,RR	228	97	21.1	55	8	226	231	228	239	99	236	235	248
100-DAY HYBRID TRIAL AVERAGE##					21.1										
AgriGold	A63138VT2PRO	CB,RR	226	97	21.2	57	5	248	204	226					
Frontiersmen	103-E8	CB,LL,RR,RW	243	100	21.3	56	3	271	* 241	217					
Federal Hybrids	5280SSRIB	CB,LL,RR,RW	256	* 103	21.3	56	1	* 297	* 241	229	250	100	265	240	245
Legacy Seeds	L5418	CB,LL,RR,RW	236	99	21.4	56	2	266	225	217					
InVision	FS 53ZX1 RIB	CB,LL,RR,RW	229	98	21.4	56	2	244	225	219					
Jung	52SS507RIB	CB,LL,RR,RW	240	100	21.4	54	2	258	* 245	218	260	* 102	260	* 252	* 270
Legend Seeds	LR9804GENSSRIB	CB,LL,RR,RW	247	101	21.4	56	2	263	231	* 248	253	* 102	270	* 247	241
DuPont Pioneer	P0306AM	CB,LL,RR	259	* 104	21.4	55	1	286	* 257	234					
Dairyland	DS9804RA	CB,LL,RR,RW	244	101	21.5	53	1	263	234	234	233	97	232	228	240
Dairyland	RPM-4329AM	CB,LL,RR	256	* 102	21.6	55	6	267	* 244	* 257					
Renk	RK717SSTX	CB,LL,RR,RW	236	99	21.6	56	2	270	227	212	254	* 102	268	* 243	250
Legacy Seeds	L5217	CB,LL,RR,RW	218	95	21.7	55	2	248	202	204					
AgriGold	A63394STX	CB,LL,RR,RW	226	97	21.7	55	2	258	217	204					
Federal Hybrids	5570SSRIB	CB,LL,RR,RW	230	98	21.9	54	1	247	233	210	250	101	* 272	235	244
Wyffels	W3078RIB	CB,LL,RR,RW	238	99	21.9	56	2	254	237	222					
Legacy Seeds	L5516	CB,LL,RR,RW	231	98	21.9	56	1	253	236	205	257	101	* 289	238	243
AgriGold	A63655VT2RIB	CB,RR	240	99	21.9	58	4	269	227	223					
InVision	FS 55TX1 RIB	CB,LL,RR,RW	236	98	22.0	55	2	259	235	213	251	100	270	237	246
Jung	54SS528	CB,LL,RR,RW	243	100	22.0	56	2	265	234	228	260	* 103	* 272	* 244	* 263
NK Brand	NK0602-3010	CB,LL,RR	252	* 102	22.1	54	1	276	236	* 245					
Dairyland	RPM-4019AM	CB,LL,RR	255	* 102	22.2	54	2	274	* 251	* 240					

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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)

			2018								2017				
			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
Golden Harvest	G03C84-3120 EZ1	CB,LL,RR	242	99	22.2	54	9	241	* 242	* 241	255	* 102	249	* 261	256
DuPont Pioneer	P0157AMX	CB,LL,RR,RW-wo	252	* 102	22.2	56	4	281	* 250	226					
Cornelius	C495SS	CB,LL,RR,RW	240	99	22.3	55	1	255	* 250	214					
Wyffels	W3488	CB,LL,RR,RW	255	* 102	22.3	55	2	280	* 254	231					
Wyffels	W4196RIB	CB,RR	252	* 102	22.3	56	0	* 291	* 248	216	* 273	* 105	* 281	* 255	* 284
AgriGold	A63554VT2RIB	CB,RR	252	* 102	22.3	56	1	281	* 242	231	* 275	* 105	* 286	* 253	* 287
Tracy Seeds	T104-26 (3122EZ)	CB,LL,RR,RW	256	* 103	22.5	52	2	266	* 252	* 250	255	101	* 275	* 255	235
105-DAY HYBRID TRIAL AVERAGE##					22.5										
Tracy Seeds	T102-29	RR	231	97	22.5	56	2	249	228	216					
Power Plus	2Y06AM	CB,LL,RR	258	* 102	22.5	56	8	* 288	* 243	* 245	255	101	269	240	256
Jung	53SS517RIB	CB,LL,RR,RW	228	96	22.6	54	3	267	191	227	* 262	* 103	* 276	* 254	255
AgriGold	A63656STXRIB	CB,LL,RR,RW	253	* 102	22.7	55	3	277	* 249	232					
Dairyland	RPM-4318AM	CB,LL,RR	256	* 102	22.8	55	4	270	* 253	* 245					
Cornelius	C478DP	CB,RR	* 264	* 104	22.9	57	1	287	* 260	* 246					
LG Seeds	LG5525VT2RIB	CB,RR	245	100	22.9	56	1	282	238	215					
Dairyland	EXP-10206	CB,LL,RR	* 261	* 103	22.9	53	2	276	* 257	* 249					
Legend Seeds	JSC40J704RR	RR	244	100	23.0	53	4	254	* 244	234					
Dairyland	DS7603PE		253	* 102	23.0	53	1	273	* 242	* 245					
Golden Harvest	G06Q68-3220 EZ1	CB,LL,RR	252	101	23.4	54	3	274	* 248	235					
NK Brand	NK0624-3220	CB,LL,RR	252	101	23.6	54	4	264	* 254	238					
InVision	FS 54A00	None	238	97	23.6	53	8	266	208	* 240					
PIP	5805	CB,LL,RR	244	99	23.7	54	3	266	* 248	217					
Cornelius	C457DP	CB,RR	227	96	23.8	54	1	263	224	195					
Jung	56SS538	CB,LL,RR,RW	245	99	23.9	55	3	276	* 245	214					
Tracy Seeds	T106-11	CB,LL,RR,RW	233	96	24.1	54	9	252	228	219					
Viking	42-05	None	223	94	24.4	55	5	253	200	218					
Dupont Pioneer	P0574AMXT	CB,LL,RR,RW	* 261	* 102	24.9	54	2	* 302	* 254	226					
Dairyland	EXP-10411	CB,LL,RR	* 274	* 105	25.2	52	1	* 306	* 262	* 255					
PIP	5806	CB,LL,RR	227	94	26.1	53	10	239	226	217					
MEAN			244	100	22.1	55	3	267	237	228	246	100	258	237	244
LSD(0.10)**			14	3	1.2	1	3	18	23	17	14	3	18	19	27

† 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)

			2018								2017				
			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
Cornelius	C461SS	CB,LL,RR,RW	241	102	21.5	56	5	262	245	217	260	* 104	270	* 256	253
InVision	FS 57ZX1 RIB	CB,LL,RR,RW	237	101	21.5	55	3	275	230	206					
Golden Harvest	G07A24-3010	CB,LL,RR	230	99	22.2	57	6	239	219	233					
NK Brand	NK0763-3010	CB,LL,RR	226	99	22.4	56	2	241	215	222					
105-DAY HYBRID TRIAL AVERAGE##					22.6										
Legend Seeds	LR9907GENSSRIB	CB,RR	221	97	22.7	53	1	235	212	215					
LG Seeds	LG5565STXRIB	CB,LL,RR,RW	243	101	23.0	57	9	262	238	229					
Cornelius	6963	None	214	94	23.0	56	11	223	212	207					
Renk	RK763VT2P	CB,RR	223	97	23.1	54	5	243	221	204					
Cornelius	C555-3010	CB,LL,RR	225	97	23.3	55	8	229	231	214					
LG Seeds	LG57C28VT2PRO	CB,RR	223	97	23.3	56	2	248	217	203					
LG Seeds	LG59C66VT2PRO	CB,RR	247	102	23.6	57	2	* 285	236	220					
Dekalb	DKC58-06RIB	CB,LL,RR,RW	249	* 103	23.6	57	1	277	239	230	249	101	263	235	248
Cornelius	C573DP	CB,RR	241	101	23.7	54	1	258	237	228					
Renk	RK779SSTX	CB,LL,RR,RW	225	98	23.8	56	1	246	228	200					
Power Plus	4A67AMXT	CB,LL,RR,RW	* 265	* 106	23.9	54	3	* 304	* 270	222					
AgriGold	A63894STX	CB,LL,RR,RW	245	102	23.9	56	1	278	240	218					
Dekalb	DKC59-07RIB	CB,LL,RR,RW	229	98	24.1	55	1	250	229	208					
Jung	58SS537RIB	CB,LL,RR,RW	244	101	24.1	55	3	267	* 257	207	252	99	263	242	252
Tracy Seeds	T108-26 (3111)	CB,LL,RR,RW	246	101	24.3	55	5	251	238	248	242	99	242	233	251
Legend Seeds	LR9811VT2PRIB	CB,RR	242	100	24.4	56	4	277	237	213					
Dekalb	DKC58-34RIB	CB,LL,RR,RW	231	98	24.5	56	6	262	238	194					
Cornelius	C564DP	CB,RR	246	101	24.6	55	2	282	239	217					
Dairyland	EXP-11016	CB,LL,RR	* 259	* 103	24.7	57	9	282	* 255	240					
AgriGold	A63874VT2PRO	CB,RR	* 258	* 104	24.7	56	0	* 306	238	230					
Dairyland	DS9508RA	CB,LL,RR,RW	236	100	24.7	53	0	252	223	233					
Viking	53-12GS	None	* 258	* 104	24.7	55	5	282	231	260					
Dairyland	RPM-4816AM	CB,LL,RR	248	102	24.7	55	3	* 287	* 252	206					
LG Seeds	LG5548STXRIB	CB,LL,RR,RW	250	102	24.8	55	4	* 289	233	228	258	101	268	238	* 267
Legacy Seeds	L6918	CB,LL,RR,RW	242	99	24.8	57	9	273	248	206					
AgriGold	A63755VT2PRO	CB,RR	226	97	24.8	54	5	252	217	208					
InVision	FS 58R49	CB,LL,RR,RW	240	100	24.8	53	3	253	227	239					
Cornelius	C633DP	CB,RR	246	101	24.9	55	6	268	239	229	254	101	257	242	* 263
InVision	FS 60UX1	CB,LL,RR,RW	251	102	24.9	56	5	268	* 254	231					
InVision	FS 58G00	None	237	99	25.0	53	4	269	216	228					

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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)

			2018								2017				
			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
Jung	58SS529	CB,LL,RR,RW	248	102	25.1	54	1	282	243	220					
Cornelius	C564SS	CB,LL,RR,RW	243	101	25.2	56	2	282	233	215					
LG Seeds	LG58C77VT2PRO	CB,RR	220	96	25.2	54	3	239	217	204					
Cornelius	C568	None	245	101	25.3	53	5	* 288	209	239					
110-DAY HYBRID TRIAL AVERAGE##					25.4										
Viking	48-08GS	None	* 257	* 103	25.5	54	5	275	230	265					
Dairyland	EXP-10813	CB,LL,RR	236	99	25.6	53	3	276	231	201					
Dairyland	DS7909PE		* 276	* 108	25.6	60	1	284	* 258	* 285					
Wyffels	W5518	CB,LL,RR,RW	245	100	25.6	53	6	256	250	230					
Dairyland	EXP-11014	CB,LL,RR	* 260	* 104	25.6	55	5	280	230	* 271					
Dairyland	RPM-5018AM	CB,LL,RR	251	102	25.7	54	1	* 294	246	211					
Dairyland	DS9510RA	CB,LL,RR,RW	* 263	* 105	25.8	53	1	* 288	* 253	247	252	100	265	242	250
Golden Harvest	G12W66-3000GT	CB,LL,RR,RW	* 257	* 103	25.9	55	2	* 286	233	254					
AgriGold	A63940VT2RIB	CB,RR	240	99	26.2	54	3	274	224	221	255	101	* 286	231	247
Renk	RK877DGVT2P	CB,DT,RR	220	95	26.3	54	5	240	223	198					
Legend Seeds	LR9910GENSSRIB	CB,LL,RR,RW	240	99	26.3	55	4	255	* 263	203					
AgriGold	A64178STXRIB	CB,LL,RR,RW	233	96	26.5	56	10	279	237	182	256	100	248	* 248	* 272
LG Seeds	LG5606STXRIB	CB,LL,RR,RW	247	100	26.6	56	8	276	241	224					
Tracy Seeds	T111-E2	CB,LL,RR	227	95	26.8	55	15	206	240	234					
AgriGold	A64077STXRIB	CB,LL,RR,RW	250	100	26.9	56	7	* 285	* 256	209					
Cornelius	C667SS	CB,LL,RR,RW	244	99	27.2	56	8	265	245	220					
Golden Harvest	G10T63-3122 EZ1	CB,LL,RR,RW	247	100	27.5	56	6	265	240	234					
LG Seeds	LG62C02VT2PRO	CB,RR	* 257	102	27.6	55	1	283	* 254	235					
Dekalb	DKC63-60RIB	CB,LL,RR,RW	250	100	27.7	56	4	* 288	244	219	* 267	* 103	263	* 263	* 275
O'Brien Hybrids	OB1109	None	215	93	27.7	52	9	259	155	231					
Renk	RK842SSTX	CB,LL,RR,RW	246	99	27.9	55	6	269	244	226	256	99	271	232	* 265
AgriGold	A64106STX	CB,LL,RR,RW	234	97	28.7	55	2	255	244	202					
Jung	61SS608	CB,LL,RR,RW	231	95	29.1	55	9	265	238	190	255	99	259	245	* 261
Dairyland	EXP-11113	CB,LL,RR	* 257	101	29.3	55	2	* 286	233	250					
MEAN			242	100	25.1	55	4	267	235	223	250	100	260	237	252
LSD(0.10)**			22	5	1.7	2	7	21	18	18	13	3	20	19	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 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)

			2018								2017				
			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
AgriGold	A62578VT2PRO	CB,RR	214	97	21.3	55	3	213	219	209					
AgriGold	A62820VT2RIB	CB,RR	235	* 102	21.4	54	1	223	234	247	* 257	* 104	* 258	* 278	236
Frontiersmen	096-R8	CB,RR	* 240	* 103	21.5	56	1	228	217	* 274					
Golden Harvest	G97N86-3110	CB,LL,RR	* 242	* 103	21.6	55	1	221	241	* 265	* 255	* 105	* 252	258	* 255
Dairyland	RPM-3715AM	CB,LL,RR	* 247	* 104	21.6	57	1	229	* 267	244					
Legacy Seeds	L3617	CB,RR	230	101	21.7	55	0	232	230	226					
LG Seeds	LG5465VT2RIB	CB,RR	232	101	21.8	55	1	223	219	* 253	* 250	* 103	* 255	260	234
Croplan Genetics	3909SSRIB	CB,LL,RR,RW	222	99	21.8	53	2	220	212	235					
LG Seeds	LG5505VT2RIB	CB,RR	231	101	21.9	55	0	* 240	232	222					
Cornelius	5695VT2P	CB,RR	229	100	21.9	55	1	216	225	247					
LG Seeds	LG5494VT2RIB	CB,RR	228	100	22.0	54	1	221	243	222	* 252	* 103	* 256	* 266	233
Jung	48SS439	CB,LL,RR,RW	221	98	22.0	56	2	218	217	229					
Cornelius	C271DP	CB,RR	229	100	22.1	55	1	218	226	243					
Croplan Genetics	3899VT2PRIB	CB,RR	228	100	22.1	54	2	226	238	221					
Golden Harvest	G96V99-3120 EZ1	CB,LL,RR	226	99	22.1	55	6	220	237	222	* 244	* 102	238	255	241
Dairyland	RPM-3519AM	CB,LL,RR	228	100	22.1	54	1	206	* 251	228					
PIP	4894	CB,LL,RR	220	98	22.2	55	2	206	222	233					
PIP	4796	CB,LL,RR	226	98	22.2	55	8	216	247	216	239	100	238	256	223
AgriGold	A624113220AEZ	CB,LL,RR	231	100	22.2	55	3	214	238	240					
Viking	44-98	None	220	98	22.2	54	3	195	234	232					
Croplan Genetics	4099SSRIB	CB,LL,RR,RW	224	99	22.3	54	1	220	221	232					
Dairyland	DS9599	CB,LL,RR,RW	237	* 102	22.4	55	1	224	* 255	233	* 249	* 103	* 256	250	242
Viking	46-96	None	213	96	22.4	53	3	204	209	228					
ProHarvest	6030VT2RIB	CB,RR	220	98	22.5	55	1	211	215	233					
95-DAY HYBRID TRIAL AVERAGE##					22.5										
Jung	47DP429	CB,RR	238	* 102	22.6	55	2	229	246	240					
PIP	4897	CB,LL,RR	224	98	22.6	56	2	205	243	223					
InVision	FS 46RL0 EZR	CB,LL,RR	230	99	22.8	55	8	221	234	233	* 249	* 102	243	* 265	240
Cornelius	C324DP	CB,RR	233	100	22.9	54	2	230	222	247					
InVision	FS 47TV1 RIB	CB,RR	222	98	22.9	53	3	223	199	244					
Federal Hybrids	4999SS	CB,LL,RR,RW	* 244	* 103	23.0	55	1	* 240	236	* 256					
AgriGold	A62922STXRIB	CB,LL,RR,RW	236	101	23.0	55	1	* 238	231	238					
Cornelius	6035VT2P	CB,RR	235	101	23.1	55	1	223	236	246					
100-DAY HYBRID TRIAL AVERAGE##					23.1										
Legend Seeds	LR9897VT2PRIB	CB,RR	212	96	23.2	53	2	214	207	214					

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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)

			2018								2017				
			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
Tracy Seeds	T095-29	CB,LL,RR	* 242	* 102	23.3	56	1	215	* 249	* 263					
InVision	FS 51QX1 RIB	CB,LL,RR,RW	237	101	23.3	55	2	231	231	* 249					
Legacy Seeds	L3718	CB,DT,RR	* 247	* 103	23.3	55	0	* 248	236	* 257					
Tracy Seeds	T102-14(3011A)	CB,LL,RR,RW-wo	228	99	23.4	55	1	221	232	232					
AgriGold	A63138VT2PRO	CB,RR	234	100	23.4	56	1	218	242	240					
ProHarvest	X18473VT2P	CB,RR	* 253	* 105	23.4	54	1	* 252	244	* 262					
Dekalb	DKC50-08RIB	CB,LL,RR,RW	222	98	23.5	55	2	225	217	224	* 250	* 102	250	* 269	230
Federal Hybrids	4990SS	CB,LL,RR,RW	215	96	23.5	56	3	219	212	213					
Legend Seeds	LR9701GENSSRIB	CB,LL,RR,RW	226	99	23.7	54	1	230	215	233					
Golden Harvest	G95D32-3220 EZ1	CB,LL,RR	234	100	23.8	56	1	222	239	240					
Dupont Pioneer	P9998AMXT	CB,LL,RR,RW-wo	230	99	23.9	54	1	221	235	235					
Dairyland	RPM-499AM	CB,LL,RR	* 245	* 103	23.9	52	0	231	* 261	243					
Legend Seeds	LR9600GENSSRIB	CB,LL,RR,RW	231	100	23.9	53	1	219	228	247					
Dairyland	RPM-3518AM	CB,LL,RR	* 249	* 104	23.9	53	1	* 237	* 263	247					
Federal Hybrids	5060SSRIB	CB,LL,RR,RW	226	98	24.1	54	1	224	226	228					
Dekalb	DKC51-38RIB	CB,LL,RR,RW	224	98	24.4	53	0	232	236	203					
DuPont Pioneer	P0157AMX	CB,LL,RR,RW-wo	* 241	101	24.7	55	1	* 235	242	245					
Jung	51SS509	CB,LL,RR,RW	227	98	24.8	53	1	213	244	223					
Dairyland	RPM-4019AM	CB,LL,RR	* 255	* 104	25.1	53	1	* 238	* 269	* 259					
MEAN			231	100	22.8	54	2	223	233	237	237	100	241	246	224
LSD(0.10)**			16	3	1.2	1	3	17	21	25	15	3	15	16	15

† 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)

			2018								2017				
			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
ProHarvest	6333STAXRIB	CB,LL,RR,RW	208	95	23.2	55	2	197	213	212					
Cornelius	6325VT2P	CB,RR	249	* 104	23.2	56	3	245	233	* 268					
Renk	RK717SSTX	CB,LL,RR,RW	234	100	23.5	55	2	228	246	227	* 248	* 102	* 257	253	235
LG Seeds	LG5499VT2RIB	CB,RR	240	102	23.8	56	2	239	237	243					
Renk	RK604SSTX	CB,LL,RR,RW	249	* 103	23.9	55	5	* 256	246	244					
Tracy Seeds	T102-29	RR	212	96	23.9	56	1	212	195	230					
Federal Hybrids	5370SSRIB	CB,LL,RR,RW	243	102	24.0	57	1	239	* 251	238					
Federal Hybrids	5570SSRIB	CB,LL,RR,RW	221	98	24.0	54	1	234	218	211					
Brunner	4044	None	238	101	24.0	52	2	237	245	232	* 247	* 101	240	251	251
Cornelius	C408DP	CB,RR,RW	226	99	24.1	54	1	227	220	230	* 259	* 104	* 260	259	* 260
Cornelius	C385SS	CB,RR	248	* 103	24.2	54	1	240	* 250	253					
Jung	7S522RIB	CB,LL,RR,RW	218	97	24.3	55	2	221	201	231	243	* 102	* 252	247	230
Dairyland	RPM-4329AM	CB,LL,RR	* 251	* 104	24.3	56	4	240	* 253	* 260					
NK Brand	NK0330-3120	CB,LL,RR	223	98	24.3	54	3	210	223	235					
AgriGold	A63394STX	CB,LL,RR,RW	231	99	24.4	55	6	244	228	222					
Dairyland	EXP-10206	CB,LL,RR	243	102	24.5	54	3	243	229	256					
Dairyland	RPM-4317AM	CB,LL,RR	245	* 103	24.5	55	2	252	245	239					
Cornelius	6376	None	* 266	* 106	24.7	54	5	* 270	* 268	* 259					
Dairyland	DS9804RA	CB,LL,RR,RW	219	96	24.7	53	3	226	203	227	220	97	233	220	207
InVision	FS 52RL0 EZR	CB,LL,RR	222	97	24.8	53	4	224	223	219	230	99	227	244	219
100-DAY HYBRID TRIAL AVERAGE##					24.9										
DuPont Pioneer	P0306AM	CB,LL,RR	240	101	25.0	55	3	234	246	240					
Legend Seeds	LR9804GENSSRIB	CB,LL,RR,RW	246	* 103	25.2	54	0	* 255	243	240	* 256	* 103	* 269	260	240
Federal Hybrids	5280SSRIB	CB,LL,RR,RW	243	102	25.2	55	1	241	236	251					
Renk	RK710DGVT2P	CB,DT,RR	* 252	* 104	25.3	54	1	* 256	* 253	247					
Cornelius	C478DP	CB,RR	* 255	* 104	25.3	55	1	243	* 263	* 261					
Dairyland	RPM-4318AM	CB,LL,RR	243	101	25.3	55	3	247	224	257					
Cornelius	C508	None	227	98	25.3	56	4	225	229	229					
Legacy Seeds	L5418	CB,LL,RR,RW	221	97	25.4	55	3	226	219	218					
InVision	FS 55TX1 RIB	CB,LL,RR,RW	230	99	25.4	56	3	223	233	234	* 250	* 102	242	267	242
Viking	51-04GS	None	237	100	25.4	53	5	248	234	228					
Renk	RK642SSTX	CB,LL,RR,RW	229	99	25.4	55	1	239	223	226	* 254	* 103	* 253	266	244
Renk	RK737SSTX	CB,LL,RR,RW	250	* 103	25.4	56	2	242	241	* 266					
Legend Seeds	JSC40J704RR	RR	237	100	25.5	53	3	248	238	225					
105-DAY HYBRID TRIAL AVERAGE##					25.5										

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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)

			2018								2017				
			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
Tracy Seeds	T104-26 (3122EZ)	CB,LL,RR,RW	217	96	25.5	51	3	216	216	218	243	* 101	233	249	248
Jung	52SS507RIB	CB,LL,RR,RW	241	101	25.7	54	1	239	243	240	* 251	* 101	* 253	252	249
InVision	FS 54A00	None	234	99	25.7	53	3	243	241	218					
Legacy Seeds	L5516	CB,LL,RR,RW	227	98	25.8	55	3	224	238	220	* 250	* 101	246	* 277	227
Legacy Seeds	L5217	CB,LL,RR,RW	234	99	25.9	55	1	245	238	218					
Viking	55-02	None	235	100	26.0	55	2	238	214	253					
InVision	FS 53ZX1 RIB	CB,LL,RR,RW	238	100	26.0	55	1	236	235	242					
LG Seeds	LG5525VT2RIB	CB,RR	243	101	26.1	54	1	246	232	252					
AgriGold	A63554VT2RIB	CB,RR	250	* 103	26.1	54	2	252	244	253					
ProHarvest	6420SXRIB	CB,LL,RR,RW	229	99	26.1	55	1	230	224	234					
Brunner	EXP105A	CB,LL,RR	218	95	26.4	54	9	223	194	237					
Dairyland	DS7603PE		240	100	27.0	53	2	238	247	234					
Dekalb	DKC58-06RIB	CB,LL,RR,RW	247	102	27.4	57	1	245	* 256	239					
Dekalb	DKC52-68RIB	CB,RR	233	99	27.4	53	2	239	230	230	* 255	* 103	243	252	* 270
Dairyland	RPM-4816AM	CB,LL,RR	* 252	102	27.7	55	2	* 255	* 253	250					
O'Brien Hybrids	OB1104	None	234	99	27.7	53	2	236	246	221					
Legend Seeds	LR9907GENSSRIB	CB,RR	236	99	27.7	54	1	234	* 253	223					
O'Brien Hybrids	OBX1106	None	204	92	28.2	53	3	219	171	222					
Dairyland	EXP-10411	CB,LL,RR	* 259	* 103	28.5	53	6	* 261	247	* 271					
110-DAY HYBRID TRIAL AVERAGE##					28.6										
Viking	42-05	None	244	100	28.7	55	4	222	* 258	252					
Dairyland	EXP-11016	CB,LL,RR	* 263	* 104	28.7	57	3	* 264	* 265	* 261					
O'Brien Hybrids	OBX1107	None	199	91	29.1	52	1	201	210	185					
Dairyland	RPM-5018AM	CB,LL,RR	* 265	* 104	29.3	54	2	* 258	* 265	* 273					
Dairyland	EXP-10813	CB,LL,RR	249	101	29.7	54	2	253	245	251					
MEAN			237	100	25.7	54	2	237	235	238	239	100	240	246	232
LSD(0.10)**			15	3	1.4	1	4	15	20	15	17	4	18	20	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)

			2018									2017				
			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
InVision	FS 37TV1	CB,RR	206	99	20.1	54	3	210	168	217	* 229					
InVision	FS 35SV1 RIB	CB,RR	184	94	20.4	54	4	173	169	195	199	195	94	196	208	180
Federal Hybrids	3790VT2P	CB,RR	207	99	20.6	56	4	213	181	206	* 228					
85-DAY HYBRID TRIAL AVERAGE##					21.1											
Foundation Direct	8855	None	205	98	21.3	56	10	220	173	205	222	226	100	226	219	* 232
Federal Hybrids	3890VT2P	CB,RR	212	101	21.4	54	1	216	195	218	220					
Dairyland	DS9686	CB,LL,RR,RW	202	98	21.5	56	4	225	176	196	210	216	97	200	241	206
Project Seeds	PS90	None	212	100	21.9	53	5	244	190	190	224					
Tracy Seeds	T089-29	CB,LL,RR	215	101	22.0	55	2	221	190	214	* 236					
Foundation Direct	8830	None	216	101	22.2	53	3	231	194	201	* 237					
Federal Hybrids	3880VT2PRIB	CB,RR	209	99	22.2	54	2	216	187	204	* 227					
Jung	7S331RIB	CB,LL,RR,RW	200	98	22.3	54	0	193	192	195	221					
Munson	4821RR	RR	219	101	22.4	56	9	241	* 202	212	223					
NK Brand	N27P-3110A	CB,LL,RR-wo	* 223	* 102	22.4	55	3	* 260	177	207	* 246					
Viking	42-92	None	221	* 102	22.5	54	2	232	198	216	* 237					
Jung	4D331RIB	CB,RR	218	* 102	22.5	55	1	233	197	219	224	233	101	236	238	* 224
Brunner	3915GT-3110	CB,LL,RR	214	100	22.5	53	4	221	186	214	* 234	233	101	238	* 252	209
Legacy Seeds	L3117	CB,RR	202	98	22.5	53	1	208	181	206	215					
Federal Hybrids	4160VT2PRIB	CB,RR	220	* 102	22.5	53	2	230	* 207	216	* 228	236	101	* 248	* 257	202
Project Seeds	PS8823GTCBLL	CB,LL,RR	* 223	* 102	22.7	55	1	* 246	185	209	* 251					
Legend Seeds	JSC47J988-3120	CB,LL,RR	* 223	* 102	22.7	54	3	236	191	* 228	* 236					
Federal Hybrids	4190VT2P	CB,RR	203	98	22.7	53	3	205	186	201	218					
90-DAY HYBRID TRIAL AVERAGE##					22.8											
Tracy Seeds	T090-27	RR	187	92	22.9	53	17	187	164	189	209					
Munson	5359-3110A	CB,LL,RR-wo	218	101	22.9	55	1	* 248	191	203	* 231					
Tracy Seeds	T086-26A	CB,LL,RR,RW-wo	171	90	22.9	56	4	174	134	179	197	225	100	224	* 255	197
Munson	5016VT2P	CB,RR	219	* 102	22.9	53	1	229	* 206	217	* 226	235	101	* 249	241	215
AgriGold	A61890VT2RIB	CB,RR	194	96	23.0	52	3	179	172	208	218					
Renk	RK433RR	RR	221	* 102	23.0	54	1	223	* 204	225	* 233	* 247	* 104	244	* 264	* 232
DuPont Pioneer	P9188AM	CB,LL,RR	213	99	23.0	53	9	213	190	214	* 234					
Jung	42DP419	CB,RR	* 228	* 104	23.0	53	0	241	200	220	* 251					
Legend Seeds	LR9691VT2PRIB	CB,RR	222	* 102	23.1	54	1	235	* 212	212	* 227					
Tracy Seeds	T093-26A	CB,LL,RR-wo	205	98	23.1	55	3	228	173	202	218	227	100	230	242	208
LG Seeds	LG44C27VT2PRO	CB,RR	* 230	* 104	23.2	53	2	* 247	* 207	* 235	* 233					
Dekalb	DKC40-77RIB	CB,LL,RR,RW	195	96	23.2	55	2	181	183	201	216	212	96	204	234	199

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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)

			2018									2017				
			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
Legacy Seeds	L3017	CB,RR	* 223	* 103	23.2	53	1	240	201	* 237	214	* 240	102	245	* 256	* 218
Renk	RK408VT2P	CB,RR	214	100	23.3	54	1	222	193	219	221					
Frontiersmen	094-D7	CB,RR	204	98	23.3	52	1	210	163	217	224					
InVision	FS 41TV1	CB,RR	217	101	23.3	54	4	231	* 203	207	* 226					
Federal Hybrids	4470VT2PRIB	CB,RR	204	98	23.3	52	3	212	200	194	212					
LG Seeds	LG44C34-3110	CB,LL,RR	* 227	* 103	23.4	53	1	* 250	189	217	* 250					
Munson	5204-3010	CB,LL,RR	219	101	23.4	55	2	234	180	225	* 234	236	101	244	* 253	210
Jung	4D381RIB	CB,RR	220	101	23.5	53	5	233	200	225	221					
ProHarvest	4255STAXRIB	CB,LL,RR,RW	214	101	23.6	53	0	215	* 204	224	214					
Frontiersmen	090-H8	CB,RR	222	* 102	23.7	53	3	235	* 202	220	* 231					
Dupont Pioneer	P9492AM	CB,LL,RR	* 236	* 105	23.8	52	4	238	* 212	* 246	* 248					
LG Seeds	LG5410VT2RIB	CB,RR	214	100	24.0	53	3	217	* 205	208	* 227	236	101	* 252	* 255	202
95-DAY HYBRID TRIAL AVERAGE##					24.0											
PIP	4693	CB,LL,RR	206	98	24.2	55	2	237	163	206	219					
Dairyland	DS7294a	CB,LL,RR	* 223	* 102	24.3	54	3	* 264	189	214	* 226					
InVision	FS 43RA1 EZR	CB,LL,RR	* 223	* 102	24.5	54	2	236	193	220	* 242					
AgriGold	A624113220AEZ	CB,LL,RR	208	98	24.6	54	3	218	176	208	* 231					
Legacy Seeds	L3115	CB,LL,RR,RW	214	100	24.8	53	1	210	200	220	225					
AgriGold	A62177STXRIB	CB,LL,RR,RW	219	101	24.8	53	1	226	* 205	208	* 239					
Renk	8-536VT2P	CB,RR	* 225	* 102	25.2	52	4	232	198	220	* 249					
Munson	5456VT2P	CB,RR	217	100	25.8	52	5	205	* 219	222	223					
MEAN			213	100	23.0	54	3	223	190	212	227	228	100	229	242	213
LSD(0.10)**			13	3	1.1	1	6	19	17	18	25	17	4	23	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.

‡ All plots of this hybrid sustained herbicide damage in the Seymour trial. The hybrid was dropped from the multi-location average analysis.

* 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)

			2018									2017				
			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
InVision	FS 45SV1 RIB	CB,RR	202	97	23.3	53	2	201	183	190	234					
Brunner	EXP95A	CB,LL,RR	227	* 103	23.6	54	1	* 260	203	222	224					
Jung	46SS427RIB	CB,LL,RR,RW	220	* 101	24.5	54	1	218	* 210	213	239	251	* 101	246	263	243
ProHarvest	X17451VT2P	CB,RR	222	* 101	24.8	53	1	232	* 215	212	230	253	* 102	247	259	* 253
Dairyland	RPM-3715AM	CB,LL,RR	232	* 102	24.8	56	8	242	* 206	220	* 263					
NK Brand	NK9852-3010	CB,LL,RR	208	98	24.8	53	2	214	192	195	233					
Munson	5695VT2P	CB,RR	223	* 101	24.9	54	3	239	* 212	212	230	* 260	* 102	* 266	257	* 257
Federal Hybrids	4580VT2PRIB	CB,RR	227	* 102	25.2	54	1	248	* 215	214	232	255	* 101	* 265	262	237
Dairyland	RPM-3519AM	CB,LL,RR	222	100	25.2	53	4	236	190	214	247					
Dairyland	RPM-4018AM	CB,LL,RR	206	96	25.2	54	6	220	203	194	208					
Dairyland	DS9599	CB,LL,RR,RW	220	100	25.5	53	3	227	204	217	231	* 260	* 102	* 265	267	* 248
Legacy Seeds	L3517(RIB)	CB,RR	230	* 102	25.6	54	1	233	* 206	219	* 265					
NK Brand	NK9505-3110	CB,LL,RR	211	98	25.7	54	1	224	192	211	215					
95-DAY HYBRID TRIAL AVERAGE##					25.7											
Legend Seeds	LR9996-3120	CB,LL,RR	209	97	25.7	54	9	210	201	211	216					
Munson	5710VT2P	CB,RR	228	* 101	25.8	53	4	229	* 213	219	* 248	253	* 101	253	255	* 252
ProHarvest	4545RR	RR	211	98	25.9	53	2	206	* 211	215	211					
Federal Hybrids	4680VT2PRIB	CB,RR	229	* 102	25.9	54	2	* 253	* 212	213	237	256	* 102	* 269	252	246
Project Seeds	PS96	None	204	95	25.9	53	12	215	* 212	193	196					
LG Seeds	LG5465VT2RIB	CB,RR	233	* 103	25.9	54	1	237	* 214	218	* 263					
Viking	46-96	None	204	96	25.9	52	4	209	199	195	215					
Renk	RK608DGVT2P	CB,DT,RR	221	100	26.0	52	2	228	* 216	207	231	254	* 101	248	256	* 259
Tracy Seeds	T095-29	CB,LL,RR	218	99	26.0	54	2	227	199	210	235					
Legend Seeds	LR9895VT2PRIB	CB,RR	215	99	26.0	54	0	239	* 205	202	215	256	* 102	* 257	262	* 250
Viking	44-98	None	216	99	26.0	52	2	198	* 208	221	236					
Legacy Seeds	L3617	CB,RR	223	100	26.0	53	3	228	* 216	218	231					
Federal Hybrids	4780VT2P	CB,RR	219	100	26.1	52	2	227	* 205	207	240					
Croplan Genetics	4099SSRIB	CB,LL,RR,RW	218	100	26.2	53	1	229	* 219	216	209					
LG Seeds	LG5494VT2RIB	CB,RR	228	* 101	26.3	52	1	249	201	217	245					
Croplan Genetics	3899VT2PRIB	CB,RR	222	100	26.4	53	1	234	* 211	219	223					
ProHarvest	4825SXRIB	CB,LL,RR,RW	223	100	26.6	54	0	234	197	226	232					
100-DAY HYBRID TRIAL AVERAGE##					26.8											
Renk	RK579DGVT2P	CB,DT,RR	227	* 101	26.8	53	2	230	* 212	224	242					
Renk	RK587VT2P	CB,RR	216	99	26.8	52	1	212	* 208	219	225					
Federal Hybrids	4990SS	CB,LL,RR,RW	220	99	26.8	55	3	226	* 206	211	236					

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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)

			2018									2017				
			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
NK Brand	N40L-3000GT	CB,LL,RR,RW	233	* 102	26.8	53	3	247	197	211	* 276	* 276	* 105	* 279	* 295	* 254
Foundation Direct	8749	None	207	94	27.0	52	15	211	203	190	224					
Dairyland	RPM-3518AM	CB,LL,RR	233	* 102	27.1	51	3	240	198	* 233	* 263					
Munson	6035VT2P	CB,RR	229	* 101	27.2	55	3	247	* 212	208	* 249					
Dupont Pioneer	P9998AMXT	CB,LL,RR,RW-wo	232	* 102	27.4	54	3	235	* 208	* 233	* 253					
Renk	8-593SSTX	CB,LL,RR,RW	* 239	* 104	27.6	53	0	240	* 209	* 252	* 257					
Dairyland	DS9804RA	CB,LL,RR,RW	228	100	27.8	52	3	233	* 215	219	243					
Legacy Seeds	L3718	CB,DT,RR	227	* 101	27.8	53	1	222	200	224	* 264					
ProHarvest	X18473VT2P	CB,RR	* 242	* 104	27.8	53	1	* 261	* 215	* 237	* 255					
O'Brien Hybrids	OB1101	None	213	97	27.9	52	2	232	191	196	235					
Dairyland	RPM-499AM	CB,LL,RR	* 235	* 102	28.6	51	1	* 257	* 206	224	* 254					
Dairyland	RPM-4019AM	CB,LL,RR	* 239	* 102	29.5	53	1	* 264	* 213	217	* 263					
Dairyland	DS7603PE		* 247	* 103	32.5	53	1	* 275	204	* 244	* 265					
MEAN			223	100	26.3	53	3	232	206	215	238	246	100	241	255	243
LSD(0.10)**			13	3	1.6	1	6	22	14	20	28	17	4	25	15	27

† 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.

‡ All plots of this hybrid sustained herbicide damage in the Seymour trial. The hybrid was dropped from the multi-location average analysis.

* 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)

			2018										2017				
			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. #	SPD	SPI	SPS
Dekalb	DKC26-40RIB	CB,RR	ǂ	ǂ	ǂ	ǂ	ǂ	171	128	ǂ	143	161	140	87	162	161	98
Federal Hybrids	3190VT2P	CB,RR	172	95	19.6	57	3	208	161	160	155	178					
Dekalb	DKC31-10RIB	CB,RR	176	96	19.8	56	5	215	156	164	150	195					
Jung	31DP308	CB,RR	166	94	20.0	57	2	201	134	157	159	179	179	97	201	187	150
LG Seeds	LG5370VT2RIB	CB,RR	184	98	20.1	57	2	196	167	183	177	196					
Legend Seeds	LR9882VT2PRIB	CB,RR	170	94	20.6	56	4	197	161	155	158	177					
80-DAY HYBRID TRIAL AVERAGE##					20.6												
LG Seeds	LG5375VT2RIB	CB,RR	184	98	21.0	56	2	200	150	184	189	198					
InVision	FS 35SV1 RIB	CB,RR	185	97	21.6	55	5	204	170	165	187	199					
Jung	37DP328	CB,RR	201	102	21.7	55	2	230	180	197	201	199					
Federal Hybrids	3790VT2P	CB,RR	202	101	21.7	56	8	229	197	178	198	207					
InVision	FS 37TV1	CB,RR	198	101	21.8	56	2	224	171	194	197	203					
Federal Hybrids	3570VT2PRIB	CB,RR	181	96	21.9	56	4	214	168	162	179	179	174	95	180	195	148
Jung	4D178RIB	CB,RR	190	99	22.0	55	1	219	162	182	177	207	182	97	198	199	149
ProHarvest	X18320	None	197	100	22.1	55	3	213	180	179	185	* 226					
Dairyland	RPM-2918AM	CB,LL,RR	189	97	22.1	53	10	231	167	160	174	214					
Brunner	2865GTA	RR-wo	184	97	22.2	56	3	192	172	176	174	207					
Project Seeds	8978GT	RR	188	98	22.2	57	3	214	168	167	197	196					
Legacy Seeds	L2817(RIB)	CB,RR	192	99	22.3	56	4	220	177	185	175	204					
85-DAY HYBRID TRIAL AVERAGE##					22.3												
Project Seeds	PS8922GT	RR	179	96	22.3	57	2	192	172	162	177	192					
Legend Seeds	JSC40J684RR	RR	198	99	22.3	56	12	207	186	194	200	204					
Federal Hybrids	3660GT3011A	CB,LL,RR,RW-wo	185	97	22.3	56	3	208	176	163	180	198	196	101	212	211	166
Renk	RK264RR	RR	185	97	22.4	55	3	226	161	177	161	199					
Munson	4417GT	RR	180	96	22.5	56	4	177	172	170	185	194					
Dekalb	DKC37-50RIB	CB,RR	196	100	22.6	54	2	227	178	178	207	193					
Dairyland	DS9686	CB,LL,RR,RW	193	99	22.8	56	3	223	179	177	191	196	202	102	219	222	165
LG Seeds	LG38C18VT2RIB	CB,RR	192	99	22.8	54	1	233	173	195	150	209					
LG Seeds	LG30C02VT2RIB	CB,RR	187	98	22.9	56	2	201	163	183	196	193					
NK Brand	NK8881-3010A	CB,LL,RR-wo	210	103	23.0	54	2	242	* 200	170	208	* 230					
Federal Hybrids	3890VT2P	CB,RR	206	103	23.1	54	0	223	* 206	195	206	203					
Foundation Direct	8972	None	203	101	23.1	57	6	222	175	192	200	* 227					
Jung	39DP338	CB,RR	* 227	* 108	23.2	54	0	242	* 211	* 217	* 221	* 246					
Brunner	2897GT-3010	CB,LL,RR	202	101	23.2	55	2	224	177	176	* 218	213	208	* 104	222	210	* 193
PIP	3888	CB,LL,RR	198	100	23.2	56	0	* 244	188	170	186	203					

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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)

			2018											2017				
			Average											Average				
			Yield	P.I.	Moist	Test	Lodge	Yield (bu/A)						Yield	P.I.	Yield (bu/A)		
Brand	Hybrid	Traits†	(bu/A)	#	%	Wt.	%	COL	MAR	SPD	SPI	SPS		(bu/A)	#	SPD	SPI	SPS
Federal Hybrids	3880VT2PRIB	CB,RR	196	100	23.2	54	1	218	197	194	179	192		202	101	209	* 229	167
DuPont Pioneer	P9188AM	CB,LL,RR	204	102	23.3	56	4	229	* 211	167	204	209						
Munson	4821RR	RR	205	101	23.4	56	6	237	* 200	196	178	215						
Legacy Seeds	L2847	CB,RR	210	103	23.4	55	0	238	* 205	189	197	219		201	101	211	219	172
Jung	36DP318	CB,RR	196	100	23.5	55	1	217	171	196	194	200		185	98	198	192	166
Renk	RK287VT2P	CB,RR	* 220	* 106	23.8	54	1	* 244	195	* 198	* 232	* 229		199	100	210	227	160
NK Brand	N27P-3110A	CB,LL,RR-wo	209	103	23.8	55	2	* 248	* 199	* 200	191	207		* 222	* 107	* 231	* 242	* 194
Federal Hybrids	4190VT2P	CB,RR	196	100	24.0	54	1	220	188	176	200	195						
Brunner	3915GT-3110	CB,LL,RR	193	99	24.0	54	2	217	184	175	177	213		* 218	* 105	* 238	* 239	176
Legacy Seeds	L3117	CB,RR	194	99	24.1	54	0	216	192	189	185	186						
90-DAY HYBRID TRIAL AVERAGE##					24.1													
Munson	4830-3120EZ	CB,LL,RR	199	100	24.2	55	1	211	189	187	197	211						
Legacy Seeds	L2937(3120EZ)	CB,LL,RR	196	99	24.3	54	1	237	178	187	169	211						
Golden Harvest	G90Y04-3220A	CB,LL,RR-wo	207	102	24.3	55	1	* 248	192	188	200	206						
Munson	5016VT2P	CB,RR	207	102	24.5	53	1	230	* 208	194	189	216		207	102	220	* 232	170
InVision	FS 41TV1	CB,RR	* 223	* 106	24.8	54	0	* 260	* 210	* 208	* 215	221						
Spectrum	3617	None	205	101	24.9	55	8	223	* 204	* 204	181	214						
Renk	RK408VT2P	CB,RR	206	102	24.9	53	1	236	* 205	184	190	215						
ProHarvest	4255STAXRIB	CB,LL,RR,RW	213	103	24.9	54	1	* 255	* 199	* 198	195	216						
DuPont Pioneer	P9492AM	CB,LL,RR	* 219	104	25.1	54	4	* 255	* 214	196	* 211	219						
Federal Hybrids	4160VT2PRIB	CB,RR	214	104	25.2	53	1	241	194	* 204	208	223		* 210	103	* 231	* 229	170
ProHarvest	4340VT2P	CB,RR	* 218	* 105	25.2	54	0	* 265	* 201	* 216	182	225						
Legacy Seeds	L3017	CB,RR	* 215	104	25.8	54	1	* 248	* 206	* 212	205	201		* 212	103	* 226	* 232	* 178
95-DAY HYBRID TRIAL AVERAGE##					26.0													
Dairyland	DS7294a	CB,LL,RR	204	100	26.2	53	2	* 251	* 199	179	168	222						
Foundation Direct	EXP095	None	207	101	27.5	55	3	232	* 199	192	193	220						
Munson	5456VT2P	CB,RR	* 219	104	27.5	53	1	225	* 208	* 205	* 220	* 239						
MEAN			198	100	23.2	55	3	224	183	184	188	206		195	100	210	212	164
LSD(0.10)**			12	3	0.8	1	3	22	15	19	23	20		12	3	16	17	17

† 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.

‡ All plots of this hybrid sustained wildlife damage in the Spooner Dryland trial. The hybrid was dropped from the multi-location average analysis.

* 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. (page 1 of 2)

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

			2018									2017				
			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
Masters Choice	MCT4934 VIP3111	CB,LL,RR,RW	9.2	3270	30000	55.7	36	57	37	9.1	9.3					
Cornelius	C555-3010	CB,LL,RR	10.3	3320	34100	58.8	37	58	34	10.2	10.3					
NK Brand	NK0624-3220	CB,LL,RR	11.1	3370	37600	58.9	37	61	34	12.2	10.0					
LG Seeds	LG59C66VT2PRO	CB,RR	* 12.4	3220	39900	59.2	38	55	33	* 13.4	* 11.4					
Viking	51-04GS	None	* 11.5	3280	37800	60.2	38	59	33	12.1	10.9					
Prairie Hybrids	4718	None	* 11.6	* 3390	39300	60.4	36	59	35	12.2	10.9					
DuPont Pioneer	P0783XR	CB,LL,RR,RW-bmr	10.0	* 3410	34100	60.6	37	63	33	11.0	8.9					
AgriGold	A63894STX	CB,LL,RR,RW	10.5	3290	34600	61.0	37	58	33	11.0	10.0					
Masters Choice	MCT5454 VIP3111	CB,LL,RR,RW	10.8	3230	34800	61.4	39	54	33	11.3	10.3					
Viking	48-08GS	None	11.2	3310	37200	61.5	37	58	33	* 12.8	9.6					
AgriGold	A63940VT2RIB	CB,RR	11.3	3240	36700	61.8	39	58	31	11.8	10.9	10.9	3160	34400	* 12.1	9.7
105-DAY HYBRID TRIAL AVERAGE##						61.8										
Latham	6045VT2PRO	CB,RR	11.4	3240	36800	61.8	39	56	32	11.8	10.9					
NK Brand	NK0440-3010	CB,LL,RR	* 12.6	* 3410	* 43000	62.2	37	59	34	* 13.1	* 12.0					
Prairie Hybrids	5200	None	* 12.1	3310	39900	63.3	38	58	32	* 12.4	* 11.7	* 12.2	3170	* 39000	* 13.1	* 11.4
Jung	58SS529	CB,LL,RR,RW	10.6	3300	34800	63.3	39	59	31	11.5	9.6					
Cornelius	C564SS	CB,LL,RR,RW	11.0	3350	37100	63.7	38	58	33	11.9	10.2					
Legacy Seeds	L6937	CB,LL,RR,RW	10.7	3250	34800	63.7	40	58	30	11.3	10.1					
Legend Seeds	LR9809VT2PRIB	CB,RR	11.4	3290	37300	63.8	39	57	32	12.2	10.5	10.8	3140	33900	11.4	10.2
Dekalb	DKC59-07RIB	CB,LL,RR,RW	10.5	3380	35600	64.1	37	59	33	11.6	9.5					
Dekalb	DKC60-87RIB	CB,LL,RR,RW	* 11.7	3290	38700	64.2	37	57	32	* 13.5	9.9	11.3	3170	35700	11.8	* 10.7
Cornelius	C568	None	10.9	3280	36000	64.2	39	57	31	11.3	10.6					
110-DAY HYBRID TRIAL AVERAGE##						64.5										
Power Plus	4A67AMXT	CB,LL,RR,RW	* 11.9	3370	40100	64.6	37	58	33	* 12.7	* 11.0					
Viking	O.74-10GS	None	11.4	3380	38700	64.7	38	60	32	11.3	* 11.5	11.0	3180	35100	* 12.4	9.6
Cornelius	C633DP	CB,RR	11.2	3350	37700	64.7	36	58	34	12.0	10.5	* 11.9	* 3350	* 39800	* 12.7	* 11.0
Golden Harvest	G09Y24-3220A EZ1	CB,LL,RR-wo	10.9	* 3470	37900	64.8	37	62	33	9.9	* 12.0					
Dairyland	DS7909PE		* 12.5	3290	* 41100	64.8	37	58	32	* 12.8	* 12.1					
PIP	5708(3220EZ)	CB,LL,RR	* 11.6	3340	39100	65.1	38	58	32	* 12.4	10.9					
Masters Choice	MC5790	None	* 11.5	3240	37200	65.4	38	60	30	11.9	* 11.1					

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Table 14 (continued). Southern Zone - Early Maturity Silage Trial. (page 2 of 2)

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

			2018									2017				
			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
InVision	FS 60UX1	CB,LL,RR,RW	11.1	* 3410	37700	65.5	37	58	34	11.2	10.9					
AgriGold	A64077STXRIB	CB,LL,RR,RW	* 11.5	3330	38500	65.5	38	57	33	12.1	10.9					
Dairyland	HiDF3407RA	CB,LL,RR,RW	* 11.8	3210	37900	65.6	40	56	30	* 12.7	10.9	10.9	3010	32900	11.6	10.2
Dairyland	EXP-11016	CB,LL,RR	* 12.8	* 3530	* 45300	65.8	36	63	34	* 14.0	* 11.7					
LG Seeds	LG5548STXRIB	CB,LL,RR,RW	10.8	3350	36200	66.2	37	60	32	11.1	10.5	10.8	3200	34500	11.4	10.1
Dairyland	HiDF3808RA	CB,LL,RR,RW	* 12.5	3240	* 40500	66.3	40	57	29.8	* 13.0	* 12.0	11.1	2860	31800	11.8	10.3
Dairyland	RPM-4816AM	CB,LL,RR	* 11.6	* 3460	40200	66.3	37	61	32.9	12.1	* 11.0					
O'Brien Hybrids	OB1109	None	10.1	3250	33100	66.3	40	58	30.3	9.3	10.9					
NK Brand	NK1066-3122	CB,LL,RR,RW	* 12.4	3230	40000	66.5	40	56	30.3	* 13.0	* 11.8					
Channel	209-15STXRIB	CB,LL,RR,RW	10.8	3360	37000	67.2	40	60	30.0	11.1	10.5	10.7	* 3300	35200	10.6	* 10.7
Dairyland	HiDF3510SSX	CB,LL,RR,RW	* 12.0	3290	39600	68.3	41	58	29.8	* 12.4	* 11.7	* 11.6	2900	33600	* 12.1	* 11.0
Channel	210-98STXRIB	CB,LL,RR,RW	10.3	3030	31300	68.4	42	57	25.7	9.9	10.7					
Dairyland	DS9713RA	CB,LL,RR,RW	10.7	3250	34600	69.0	41	58	29.2	11.1	10.2	10.6	3160	33400	11.5	9.6
MEAN			11.3	3310	37400	63.8	38	58	32	11.8	10.7	10.7	3140	33700	11.6	9.8
LSD(0.10)**			1.3	140	4800	2.9	2	2	2	1.8	1.2	0.9	120	3600	1.1	1.2

† 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. (page 1 of 2)

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

			2018									2017				
			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
Jung	7S744RIB	CB,LL,RR,RW	10.8	3290	35600	64.3	38	57	32	12.1	9.5	* 11.1	3140	* 34800	* 12.3	9.9
Prairie Hybrids	7355	None	11.8	* 3370	39700	64.7	38	58	33	12.6	10.9					
NK Brand	NK1284-3220	CB,LL,RR	12.0	* 3500	* 42100	65.1	37	60	34	13.0	11.1					
Legend Seeds	JSC30J711	None	10.2	3280	33100	65.2	40	59	30	10.5	9.9					
InVision	FS 63ZX1 RIB	CB,LL,RR,RW	12.1	3270	39600	65.6	38	57	31	* 13.4	10.8	9.8	2970	29100	10.7	8.9
Cornelius	C667SS	CB,LL,RR,RW	11.2	3270	36700	65.8	40	58	30	11.8	10.5					
LG Seeds	LG5606STXRIB	CB,LL,RR,RW	* 12.6	* 3320	* 42100	65.8	38	57	32	* 14.2	11.0					
Masters Choice	MCT6552 VIP3110	CB,LL,RR	10.8	3180	34400	65.8	40	56	29	11.3	10.2					
Prairie Hybrids	8759	None	12.4	* 3360	41700	65.9	40	59	31	12.8	* 12.1					
Latham	6224-3120EZR	CB,LL,RR	11.7	* 3330	39100	66.0	39	58	31	11.8	* 11.7	10.8	3060	* 33100	11.3	* 10.3
InVision	FS 62ZX1 RIB	CB,LL,RR,RW	11.3	3200	36200	66.1	40	58	29	12.2	10.3					
AgriGold	A64178STXRIB	CB,LL,RR,RW	11.2	3200	36200	66.3	40	57	30	11.5	10.9	* 11.1	3080	* 34200	11.2	* 11.0
Latham	6285VT2PRO	CB,RR	11.9	3110	37000	66.4	41	57	28	13.1	10.8					
Dekalb	DKC63-60RIB	CB,LL,RR,RW	11.0	3270	36100	66.5	38	57	32	11.8	10.2					
110-DAY HYBRID TRIAL AVERAGE##						66.7										
Latham	6477VT2PRO	CB,RR	10.6	3070	32900	66.9	41	56	27	11.7	9.5					
Prairie Hybrids	6212	None	11.9	3290	39200	66.9	39	58	30	12.9	10.9	* 11.4	2980	* 34100	* 12.3	* 10.5
Legend Seeds	LR9912GENSSRIB	CB,LL,RR,RW	11.1	3180	35300	66.9	41	57	28	11.8	10.4					
InVision	FS 62RL1 EZR	CB,LL,RR	12.0	* 3380	40400	67.1	39	59	32	12.7	11.2					
Cornelius	7228SS	CB,LL,RR,RW	10.9	3130	34100	67.2	41	58	27	11.4	10.5					
InVision	FS 64SX1 RIB	CB,LL,RR,RW	10.9	* 3370	36800	67.4	38	60	31	12.1	9.8	10.2	3130	31900	11.2	9.2
Viking	53-12GS	None	11.7	* 3360	39600	67.4	39	59	32	12.4	11.1					
Spectrum	6105	None	11.4	3290	37600	67.5	40	58	30	12.3	10.5	* 11.3	2960	* 33500	11.9	* 10.7
115-DAY HYBRID TRIAL AVERAGE##						67.5										
Golden Harvest	G10T63-3122 EZ1	CB,LL,RR,RW	11.3	3210	36300	67.5	41	56	29	12.0	10.7					
Golden Harvest	G12W66-3000GT	CB,LL,RR,RW	11.8	* 3380	40000	67.9	39	59	32	12.3	11.4	10.6	3100	32900	11.0	* 10.2
LG Seeds	LG62C02STX	CB,LL,RR,RW	10.8	3170	34200	67.9	42	59	27	10.9	10.7					
Dairyland	HiDF3211RA	CB,LL,RR,RW	10.8	3160	34300	68.0	41	57	28	12.1	9.5	10.6	3000	31800	11.9	9.3
Dairyland	EXP-11315	CB,LL,RR	12.3	3220	39700	68.1	39	57	30	13.0	* 11.6					
AgriGold	A64106STX	CB,LL,RR,RW	10.7	3200	34300	68.2	40	59	28	11.5	10.0					

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Table 15. (continued). Southern Zone - Late Maturity Silage Trial. (page 2 of 2)

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

			2018									2017				
			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
Dairyland	EXP-11316	CB,LL,RR	* 13.7	* 3380	* 46300	68.3	38	60	31	* 15.0	* 12.5					
Dairyland	RPM-5329AM	CB,LL,RR	11.0	* 3320	36600	69.0	40	59	29	10.7	11.2					
Dairyland	DS7215	CB,LL,RR,RW	* 12.6	3300	41600	69.0	41	59	29	* 13.4	* 11.8					
Legacy Seeds	L7236	CB,LL,RR,RW	11.0	3240	35800	69.3	40	58	30	10.6	11.4	* 10.9	2970	32200	10.9	* 10.8
Dairyland	HiDF3413SSX	CB,LL,RR,RW	11.1	3210	35500	70.4	41	57	28	11.5	10.7	* 11.7	2820	* 33100	* 12.3	* 11.2
MEAN			11.5	3270	37600	67.0	40	58	30	12.2	10.8	10.6	3040	32400	11.4	9.9
LSD(0.10)**			1.1	180	4500	2.3	2.6	2	3	1.7	1.1	1.0	140	3500	1.2	1.0

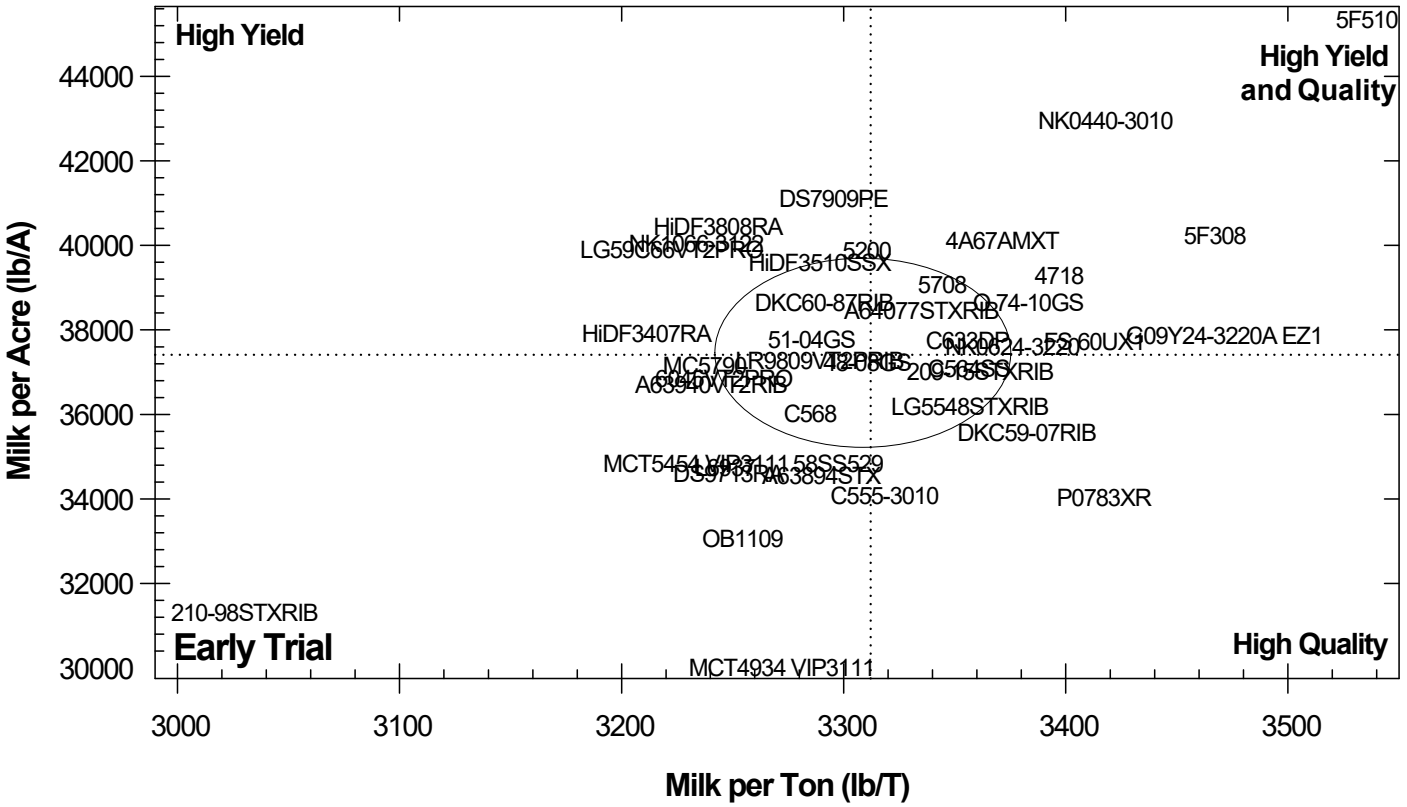
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

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 2. Relationship between Milk per Acre and Milk per Ton of corn hybrids in Southern Wisconsin during 2018.



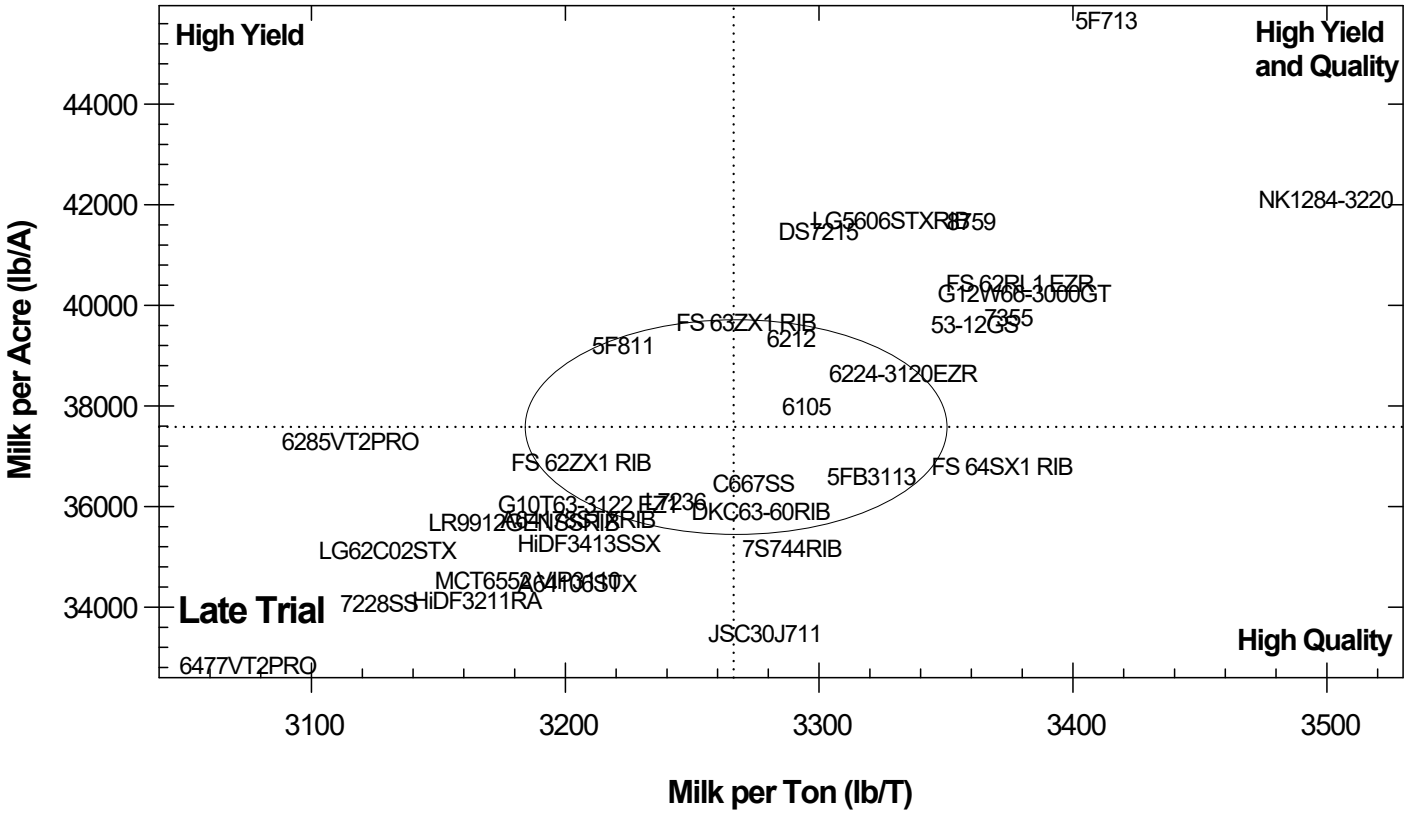


Table 16. South Central Zone - Early Maturity Silage Trial. (page 1 of 2)

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

			2018									2017				
			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	%	%	%	%	FON	GAL	(T/A)	Ton	Acre	FON	GAL
NK Brand	NK9852-3010	CB,LL,RR	9.9	3110	30800	54.3	35	54	37	9.8	10.0					
AgriGold	A62578VT2PRO	CB,RR	9.1	3100	28200	56.6	38	55	34	8.8	9.4					
Golden Harvest	G96V99-3120 EZ1	CB,LL,RR	10.0	3130	31400	56.7	36	54	35	9.9	10.1					
NK Brand	NK9813-3000GT	CB,LL,RR,RW	9.6	3100	29800	57.3	37	55	34	9.9	9.3					
AgriGold	A62820VT2RIB	CB,RR	* 11.0	3180	35100	57.4	36	55	36	* 10.6	11.5	* 10.2	3170	* 32300	9.0	* 11.4
Masters Choice	MCT4934 VIP3111	CB,LL,RR,RW	9.5	3170	30000	57.6	37	54	34	9.0	9.9					
NK Brand	NK9738-3110	CB,LL,RR	10.1	* 3270	33200	57.7	35	55	37	9.5	10.8					
95-DAY HYBRID TRIAL AVERAGE##						58.2										
Cornelius	6325VT2P	CB,RR	* 11.6	3090	* 35900	58.2	36	58	33	* 11.7	11.5					
Cornelius	C408DP	CB,RR,RW	9.8	3130	30700	58.7	38	56	33	9.7	9.9	* 10.2	3160	* 32200	8.5	* 11.8
Dairyland	HiDF3202PE		10.3	3170	32600	58.9	37	57	34	10.4	10.1					
AgriGold	A624113220AEZ	CB,LL,RR	10.1	3110	31400	59.1	38	53	33	10.2	10.0					
LG Seeds	LG5525VT2RIB	CB,RR	* 11.0	* 3220	35400	59.2	35	58	35	* 10.5	11.5					
InVision	FS 54A00	None	* 11.2	* 3310	* 37100	59.5	35	59	36	* 11.4	10.9					
AgriGold	A63554VT2RIB	CB,RR	* 11.0	* 3220	35400	59.6	35	59	35	10.2	* 11.7					
InVision	FS 52RL0 EZR	CB,LL,RR	10.6	* 3350	35500	60.6	35	57	36	9.8	11.4					
Viking	O.79-00P	None	9.4	3130	29300	60.9	40	54	32	9.2	9.5					
LG Seeds	LG5499STXRIB	CB,LL,RR,RW	10.7	3190	34300	60.9	36	56	34	* 10.7	10.8					
Golden Harvest	G95D32-3220 EZ1	CB,LL,RR	10.7	* 3210	34300	60.9	36	54	35	10.1	11.3					
NK Brand	NK0624-3220	CB,LL,RR	10.3	* 3290	33800	61.0	38	59	33	9.6	11.0					
100-DAY HYBRID TRIAL AVERAGE##						61.0										
Viking	51-04GS	None	10.8	* 3250	35200	61.0	37	57	35	10.0	* 11.7					
Dairyland	RPM-4318AM	CB,LL,RR	* 11.5	* 3330	* 38100	61.2	35	60	35	* 11.7	11.2					
InVision	FS 55TX1 RIB	CB,LL,RR,RW	10.5	3170	33400	61.3	36	56	33	10.1	10.9	* 10.9	3000	* 32700	* 10.0	* 11.8
Masters Choice	MCT5454 VIP3111	CB,LL,RR,RW	10.4	3200	33200	61.3	37	54	33	10.2	10.6	* 10.9	3020	* 32800	* 9.8	* 12.0
AgriGold	A63138VT2PRO	CB,RR	9.9	3170	31500	62.1	37	57	32	10.2	9.7					
Dairyland	HiDF3099RA	CB,LL,RR,RW	10.6	3160	33500	62.4	39	53	32	10.0	11.2	9.6	3130	30300	* 9.8	9.4
O'Brien Hybrids	OBX1106	None	10.2	3110	31900	62.5	40	57	30	* 10.6	9.9					
InVision	FS 51QX1 RIB	CB,LL,RR,RW	10.1	* 3220	32500	62.6	36	56	33	10.1	10.1					
Legacy Seeds	L5217	CB,LL,RR,RW	10.5	* 3280	34400	62.6	35	59	34	10.4	10.6					
Jung	56SS538	CB,LL,RR,RW	10.8	* 3350	* 36300	62.8	34	58	36	* 11.1	10.5					
AgriGold	A63394STX	CB,LL,RR,RW	10.1	3190	32400	62.9	37	58	32	9.7	10.6					
105-DAY HYBRID TRIAL AVERAGE##						63.0										
NK Brand	NK0440-3010	CB,LL,RR	* 12.0	* 3290	* 39500	63.0	38	59	33	* 11.2	* 12.8					
Dairyland	RPM-4329AM	CB,LL,RR	* 11.3	* 3310	* 37500	63.3	36	56	35	* 11.0	11.6					

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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 (Fond du Lac= FON, Galesville= GAL)

			2018									2017				
			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	%	%	%	%	FON	GAL	(T/A)	Ton	Acre	FON	GAL
AgriGold	A63656STXRIB	CB,LL,RR,RW	10.1	3170	32200	63.4	36	57	33	9.5	10.7					
Dekalb	DKC55-84RIB	CB,LL,RR,RW	10.5	* 3240	34000	63.8	38	58	32	10.2	10.8					
InVision	FS 53ZX1 RIB	CB,LL,RR,RW	10.3	* 3370	34700	63.9	35	58	36	9.1	11.5					
Dekalb	DKC52-68RIB	CB,RR	10.3	* 3290	33900	64.1	36	58	33	9.8	10.8	* 10.5	* 3360	* 35200	* 9.6	* 11.4
Legend Seeds	JSC47J104-3122	CB,LL,RR,RW	9.8	3020	29700	64.2	38	57	29	9.8	9.9	9.3	3100	28900	8.3	10.2
LG Seeds	LG5505STXRIB	CB,LL,RR,RW	10.3	* 3260	33500	64.3	36	57	33	10.4	10.2					
Cornelius	C385SS	CB,RR	10.9	3200	35000	64.3	36	58	33	10.4	11.5					
PIP	5803	CB,LL,RR	* 11.3	* 3310	* 37400	64.4	38	58	32	10.1	* 12.5					
Prairie Hybrids	4718	None	10.7	* 3230	34600	64.4	37	57	33	9.8	11.6					
AgriGold	A62922STXRIB	CB,LL,RR,RW	9.7	* 3210	31100	64.5	37	57	32	10.2	9.2					
Golden Harvest	G04S19-3010	CB,LL,RR	* 11.5	* 3260	* 37500	64.8	39	58	31	* 10.8	* 12.3					
Channel	206-11STXRIB	CB,LL,RR,RW	10.4	* 3360	35000	65.1	36	61	33	9.6	11.2					
Legacy Seeds	L5350	CB,LL,RR,RW	10.5	2990	31300	65.5	39	57	28	9.9	11.0	* 10.3	2990	30700	* 9.7	* 10.9
Dairyland	HiDF3605RA	CB,LL,RR,RW	* 11.3	3020	34100	66.0	40	54	28	* 11.0	* 11.7	* 10.6	2980	* 31600	* 10.8	10.4
Dairyland	EXP-10617	CB,LL,RR	10.8	3150	34000	66.3	37	57	31	* 10.9	10.7					
Dairyland	RPM-562XRR	CB,LL,RR	* 12.0	* 3260	* 39200	66.3	36	61	31	* 11.4	* 12.7					
Dairyland	HiDF3702-9	CB,LL,RR,RW	10.6	* 3250	34700	66.8	39	59	31	* 10.5	10.8	9.7	3170	31000	9.1	10.3
O'Brien Hybrids	OB1104	None	10.9	3190	34900	68.2	40	56	30	10.1	* 11.7					
MEAN			10.5	3210	33800	61.9	37	57	33	10.2	10.9	10.2	3150	32100	9.4	10.9
LSD(0.10)**			1.0	160	3600	3.3	3	3	3	1.3	1.1	1.1	160	4300	1.2	1.5

† 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 (Fond du Lac= FON, Galesville= GAL)

			2018									2017				
			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	%	%	%	%	FON	GAL	(T/A)	Ton	Acre	FON	GAL
DuPont Pioneer	P0783XR	CB,LL,RR,RW-bmr	9.5	* 3330	31800	61.2	36	64	33	9.3	9.8					
Cornelius	C508	None	* 10.8	3130	33700	61.5	38	54	32	9.6	11.9					
Legacy Seeds	L6838	CB,LL,RR	10.4	3240	33900	61.8	37	57	34	9.9	10.9					
AgriGold	A63755VT2PRO	CB,RR	* 10.9	* 3380	* 36900	61.9	34	62	35	10.3	11.5					
Cornelius	6963	None	10.4	3190	33200	62.2	37	56	32	9.7	11.1					
Renk	RK763VT2P	CB,RR	10.2	3240	33000	62.7	38	60	31	10.1	10.3					
LG Seeds	LG59C66VT2PRO	CB,RR	* 11.5	3180	* 36700	63.1	38	56	31	* 10.8	12.3					
AgriGold	A63874VT2PRO	CB,RR	* 11.5	3160	* 36900	63.1	38	56	31	9.2	* 13.9					
Cornelius	C461SS	CB,LL,RR,RW	10.1	* 3270	33200	63.3	37	56	34	* 10.7	9.6	* 11.4	* 3130	* 35700	10.4	* 12.3
Dekalb	DKC58-06RIB	CB,LL,RR,RW	* 11.0	* 3300	* 36300	63.4	35	58	34	10.0	12.0	* 10.9	3070	33300	10.0	* 11.8
Jung	58SS537RIB	CB,LL,RR,RW	10.6	3220	34100	63.8	36	58	32	9.7	11.5	10.4	3000	31300	9.6	* 11.3
Renk	7-726SSTX	CB,LL,RR,RW	9.4	* 3280	30800	63.9	37	56	34	9.6	9.2					
InVision	FS 58G00	None	10.6	* 3280	* 34700	64.0	36	59	33	* 10.6	10.6					
Legend Seeds	LR9809VT2PRIB	CB,RR	* 10.9	* 3320	* 36200	64.1	36	59	33	* 10.6	11.2					
InVision	FS 57ZX1 RIB	CB,LL,RR,RW	9.3	3130	29200	64.2	40	54	30	9.8	8.8					
105-DAY HYBRID TRIAL AVERAGE##						64.3										
Latham	6045VT2PRO	CB,RR	* 10.7	3170	33900	64.3	38	57	31	10.0	11.4					
Latham	5885VT2PRO	CB,RR	* 11.4	* 3340	* 38100	64.4	36	61	33	* 10.5	12.4					
AgriGold	A63940VT2RIB	CB,RR	* 10.9	* 3290	* 35800	64.9	37	60	32	* 10.9	10.9	* 11.0	* 3140	* 34600	* 10.5	* 11.5
LG Seeds	LG57C28VT2PRO	CB,RR	10.3	3170	32800	64.9	39	55	31	9.7	11.0					
AgriGold	A63894STX	CB,LL,RR,RW	10.4	* 3370	* 35100	65.0	36	58	34	9.1	11.6					
InVision	FS 58R49	CB,LL,RR,RW	9.8	3180	31100	65.3	39	58	30	9.5	10.1					
O'Brien Hybrids	OBX1107	None	8.8	3180	28100	65.4	40	56	29	8.3	9.4					
Masters Choice	MC5790	None	10.1	3250	33000	65.5	37	61	31	9.3	10.9					
Dairyland	DS7909PE		* 11.5	3070	* 35500	65.5	40	57	29	* 11.3	11.8					
Prairie Hybrids	6212	None	* 11.6	3110	* 36000	65.6	39	57	29	* 11.0	12.1					
110-DAY HYBRID TRIAL AVERAGE##						65.8										
Dairyland	EXP-11014	CB,LL,RR	* 11.2	3240	* 36300	65.9	38	60	30	* 10.8	11.5					
Latham	5742RR	RR	* 10.7	* 3300	* 35400	65.9	37	58	33	9.5	11.8	10.1	* 3260	32900	9.9	10.2
Prairie Hybrids	5200	None	* 11.7	* 3320	* 39100	65.9	36	59	32	10.2	* 13.2	9.9	3060	30300	9.9	9.9
LG Seeds	LG5548STXRIB	CB,LL,RR,RW	* 11.1	* 3300	* 36600	66.1	36	61	33	* 10.5	11.6					
Legacy Seeds	L6937	CB,LL,RR,RW	10.5	3190	33600	66.1	39	58	30	10.0	11.0					
Blue River Organic Seed	57A30	None	* 11.2	* 3340	* 37400	66.5	38	60	32	* 11.0	11.4					
Renk	RK842SSTX	CB,LL,RR,RW	10.5	3190	33500	66.5	38	58	30	10.0	11.0	10.7	2860	30700	10.1	* 11.4
Channel	209-15STXRIB	CB,LL,RR,RW	10.4	* 3410	* 35400	66.6	37	62	32	10.3	10.5					

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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 (Fond du Lac= FON, Galesville= GAL)

			2018									2017				
			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	%	%	%	%	FON	GAL	(T/A)	Ton	Acre	FON	GAL
Dairyland	HiDF3808RA	CB,LL,RR,RW	* 10.7	3030	32500	66.7	41	54	28	* 10.8	10.7	9.9	2710	26700	9.8	10.0
Renk	RK859DGVT2P	CB,DT,RR	10.3	* 3290	33800	66.7	38	57	32	9.5	11.1					
LG Seeds	LG58C77VT2PRO	CB,RR	10.5	* 3260	34300	66.9	38	59	31	* 10.5	10.5					
Dairyland	RPM-4816AM	CB,LL,RR	10.1	* 3340	33700	67.0	37	61	32	9.8	10.3					
Dairyland	HiDF3407RA	CB,LL,RR,RW	* 10.8	3020	32700	67.2	40	57	28	10.1	11.5	10.0	2770	27900	9.1	* 11.0
InVision	FS 60UX1	CB,LL,RR,RW	10.3	* 3260	33500	67.3	37	60	31	9.6	10.9					
LG Seeds	LG5565STXRIB	CB,LL,RR,RW	* 10.7	3230	34500	67.3	37	60	31	10.4	10.9					
Dairyland	HiDF3510SSX	CB,LL,RR,RW	* 10.9	3000	32900	67.5	42	56	27	10.0	11.8	10.3	2810	29500	9.6	* 11.0
Jung	58SS529	CB,LL,RR,RW	10.2	3250	33300	67.7	38	59	31	9.4	11.0					
Dairyland	EXP-11315	CB,LL,RR	* 11.5	3030	* 35000	67.9	40	55	28	* 11.3	11.8					
Dairyland	EXP-11016	CB,LL,RR	* 11.9	* 3320	* 39400	68.0	37	62	31	* 10.9	* 12.8					
Golden Harvest	G09Y24-3220A EZ1	CB,LL,RR-wo	10.2	* 3270	33300	68.1	39	59	31	10.0	10.4					
Prairie Hybrids	7355	None	10.4	3160	32800	68.2	40	57	29	10.4	10.3					
Dairyland	HiDF3211RA	CB,LL,RR,RW	10.2	3190	32700	68.3	39	60	29	10.4	10.1	9.8	2990	29300	9.8	9.8
Golden Harvest	G10T63-3122 EZ1	CB,LL,RR,RW	* 10.9	3130	34200	68.4	39	58	29	10.4	11.4					
Dairyland	DS9713RA	CB,LL,RR,RW	10.5	3170	33200	68.6	40	56	30	9.8	11.1	10.4	3050	31800	9.3	* 11.6
Blue River Organic Seed	62G22	None	* 11.2	3080	34500	69.0	41	57	28	10.4	12.1					
MEAN			10.6	3220	34300	65.5	38	58	31	10.1	11.1	10.3	3020	31100	9.7	10.9
LSD(0.10)**			1.2	150	4700	2.8	3	3	3	0.8	1.3	0.9	140	3300	1.0	1.7

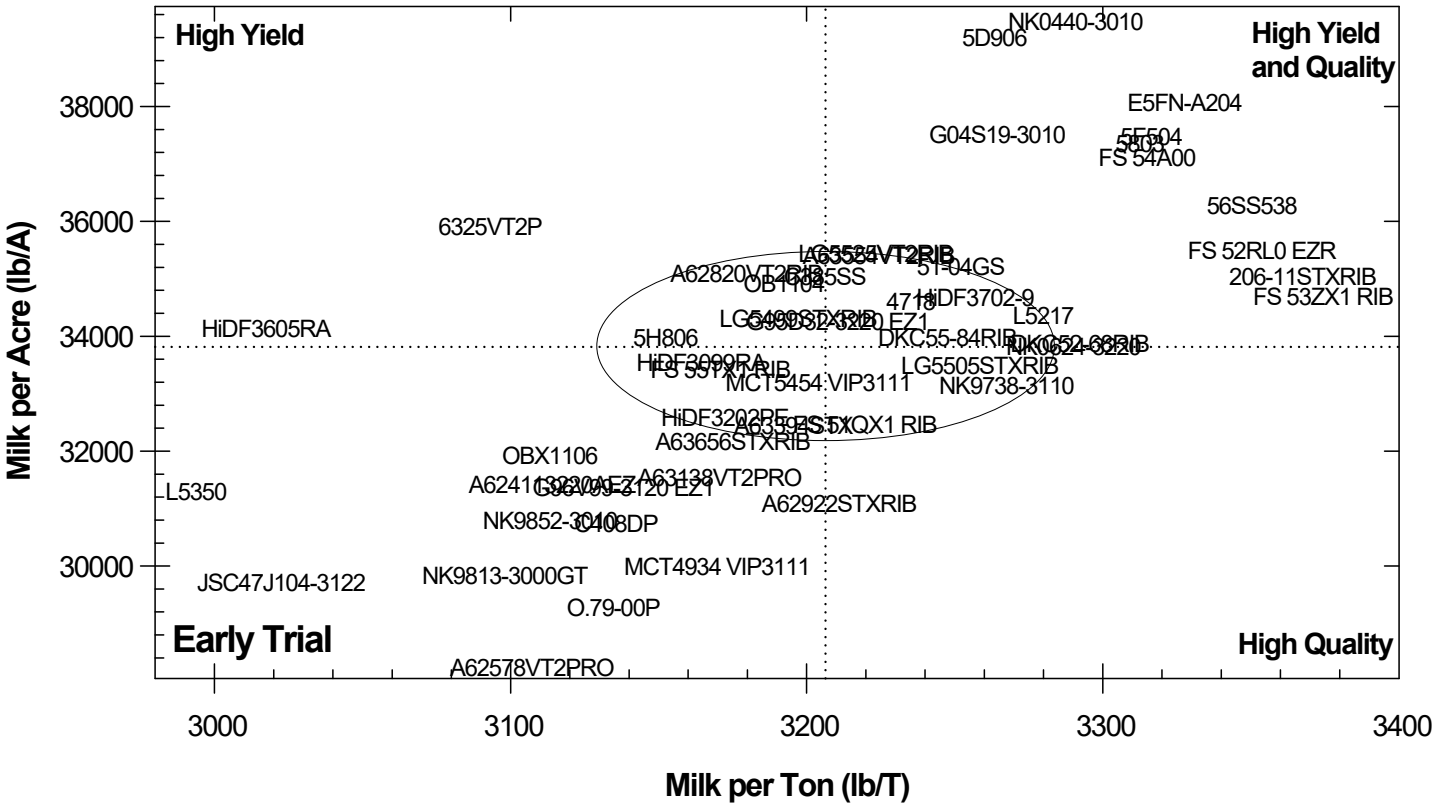
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

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 2018.



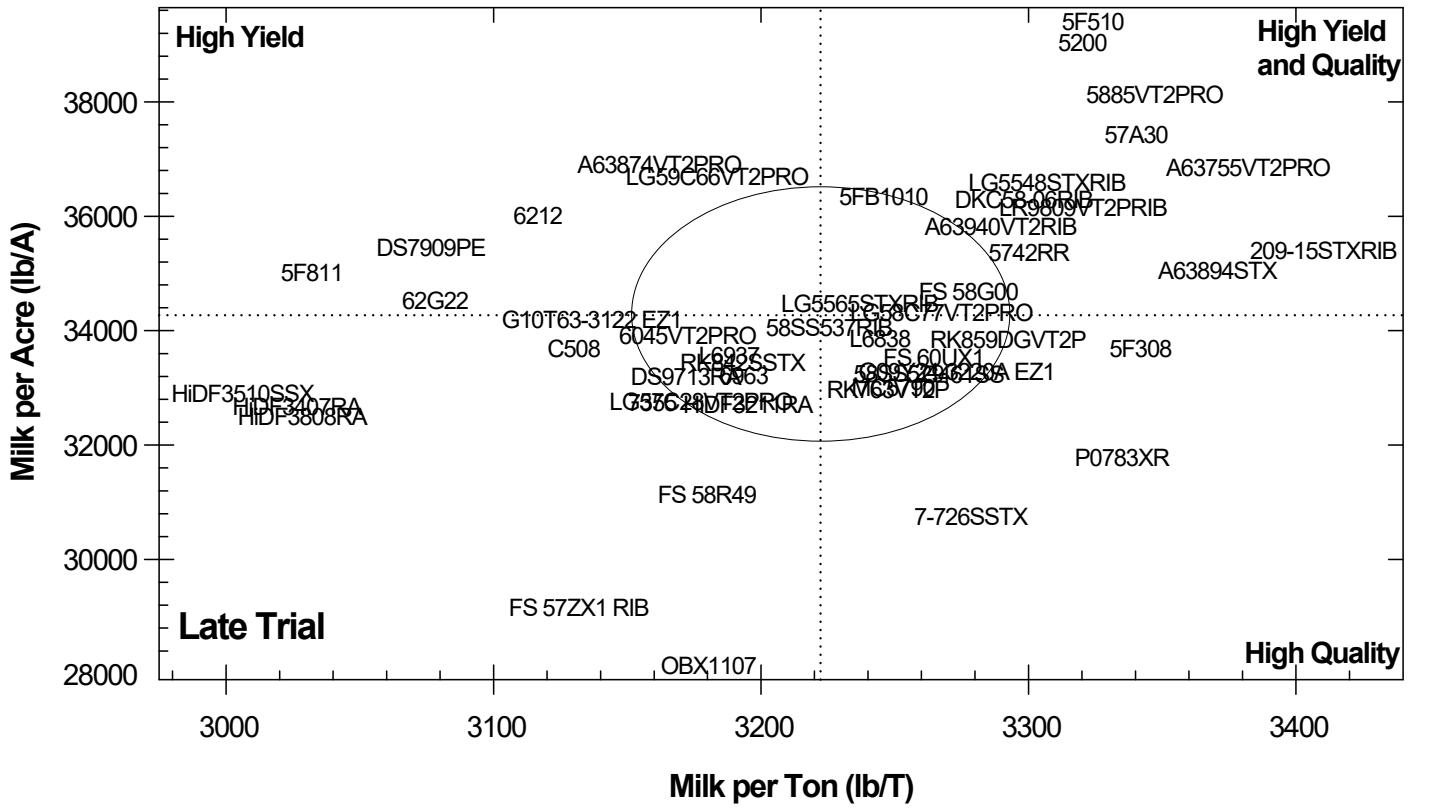


Table 18. North Central Zone - Early Maturity Silage Trial. (page 1 of 2)

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

			2018										2017				
			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
Masters Choice	MCT3891 GT	RR	8.6	3120	26900	55.8	37	58	32	8.2	8.6	9.1	8.9	3230	28600	9.0	* 8.7
Dairyland	HiDF3188-6	RR	9.1	* 3240	29500	57.3	37	59	34	8.7	8.8	9.9					
Dairyland	HiDF3290-9	CB,LL,RR,RW	* 10.0	* 3180	* 31900	57.7	38	58	33	* 10.3	8.9	* 11.0	* 10.2	3240	* 33000	* 10.5	* 9.8
NK Brand	NK8881-3010A	CB,LL,RR-wo	9.3	3110	28800	57.8	37	56	33	9.6	8.8	9.4					
Viking	71-90GS	None	9.1	* 3260	29600	59.7	37	60	34	9.1	8.5	9.7					
90-DAY HYBRID TRIAL AVERAGE##						60.0											
Munson	4821RR	RR	* 9.9	* 3180	* 31500	60.1	37	61	32	* 10.4	7.9	* 11.4					
Munson	4830-3120EZ	CB,LL,RR	9.4	* 3240	* 30700	60.2	36	59	33	* 10.3	8.5	9.5					
Legend Seeds	JSC40J684RR	RR	8.8	3150	27900	60.2	36	58	33	9.4	8.2	9.0					
NK Brand	NK9535-3220EZ1	CB,LL,RR	9.4	3090	29000	60.5	37	56	32	9.6	9.0	9.6					
Prairie Hybrids	418	None	9.2	3130	29000	60.9	36	59	32	* 10.2	8.4	9.1					
Dairyland	RPM-3519AM	CB,LL,RR	* 9.9	* 3180	* 31500	60.9	37	60	32	* 10.7	8.2	* 10.8					
Dairyland	RPM-3715AM	CB,LL,RR	* 10.3	3140	* 32200	61.0	36	59	32	* 11.1	8.8	* 10.9					
LG Seeds	LG44C27VT2PRO	CB,RR	9.3	* 3170	29300	61.1	37	59	32	* 10.1	8.8	8.9					
Dekalb	DKC46-79RIB	CB,LL,RR,RW	* 10.0	* 3170	* 31900	61.1	38	59	31	9.8	9.1	* 11.2	9.5	* 3420	* 32400	9.7	* 9.3
Golden Harvest	G90Y04-3220A	CB,LL,RR-wo	9.3	* 3250	30400	61.3	36	57	34	9.5	* 9.5	9.1	* 10.2	* 3410	* 34700	* 10.9	* 9.5
Federal Hybrids	4780VT2P	CB,RR	9.5	* 3230	* 30700	61.6	36	59	33	* 10.4	8.6	9.5					
Legend Seeds	JSC47J988-3120	CB,LL,RR	9.4	* 3220	* 30500	61.7	37	58	32	* 10.6	8.4	9.2					
Viking	42-92	None	* 9.7	* 3200	* 31200	61.8	38	58	32	* 10.3	8.9	10.0	9.0	3300	29800	9.7	8.3
Legacy Seeds	L3537	CB,LL,RR	* 10.1	* 3210	* 32600	61.8	37	57	33	* 10.9	8.5	* 10.8					
Munson	5456VT2P	CB,RR	* 10.1	3090	* 31200	61.8	37	58	31	* 10.4	* 10.0	9.9					
NK Brand	NK9505-3110	CB,LL,RR	* 9.9	3010	29700	62.0	38	57	30	* 10.4	8.6	* 10.7					
Project Seeds	PS98GT	RR	* 10.1	3150	* 31900	62.1	37	59	31	9.6	* 9.6	* 11.3					
Masters Choice	MCT4572 VIP3110	CB,LL,RR	8.9	3160	28400	62.2	37	57	32	9.4	7.7	9.8	* 9.9	3330	* 33200	10.2	* 9.6
Dairyland	RPM-3518AM	CB,LL,RR	* 10.2	3110	* 31600	62.3	37	59	30	* 11.1	8.9	* 10.5					
95-DAY HYBRID TRIAL AVERAGE##						62.3											
LG Seeds	LG5494VT2RIB	CB,RR	* 9.8	* 3180	* 31400	62.3	37	58	32	* 10.3	8.6	* 10.7					
Blue River Organic See	33ND10	None	* 9.8	* 3310	* 32600	62.4	36	60	33	* 10.1	9.0	* 10.4					
LG Seeds	LG5465VT2RIB	CB,RR	* 10.2	* 3270	* 33600	62.4	35	59	34	* 11.1	8.9	* 10.7	9.6	3270	* 31600	10.2	* 9.1
Viking	O.82-95	None	8.4	* 3250	27400	62.5	37	62	31	7.9	8.0	9.4					
Dairyland	HiDF3197RA	CB,LL,RR,RW	* 10.2	* 3230	* 32700	62.6	39	59	31	* 11.6	9.0	9.8	9.5	3180	30100	10.0	* 9.0
LG Seeds	LG44C34-3110	CB,LL,RR	9.5	* 3200	* 30600	62.6	36	59	32	9.4	8.5	* 10.8					
PIP	4897	CB,LL,RR	9.2	3130	28900	62.8	37	57	31	9.3	8.6	9.7					
Masters Choice	MCT4934 VIP3111	CB,LL,RR,RW	8.6	3110	26700	62.8	38	57	30	9.3	7.0	9.3					
Masters Choice	MCT4632 VIP3110	CB,LL,RR	8.6	* 3270	28600	62.9	37	61	32	8.9	8.0	8.9	9.0	* 3560	* 32300	9.4	* 8.7

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Table 18 (continued). North Central Zone - Early Maturity Silage Trial. (page 2 of 2)

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

			2018										2017				
			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
Legend Seeds	LR9999VT2PRIB	CB,RR	9.5	3080	29400	63.6	38	60	30	8.1	* 9.5	* 10.8					
Tracy Seeds	T095-29	CB,LL,RR	* 9.7	3140	* 30600	63.7	37	56	31	* 10.5	8.8	10.0					
Federal Hybrids	4680VT2PRIB	CB,RR	9.2	3150	29000	63.8	39	58	30	8.9	8.9	9.7					
InVision	FS 47TV1 RIB	CB,RR	9.2	3150	29100	63.8	37	58	31	9.4	9.0	9.3					
Munson	5710VT2P	CB,RR	* 9.9	3140	* 31200	64.0	38	58	30	* 10.6	8.9	10.3	9.5	3260	31200	9.4	* 9.7
100-DAY HYBRID TRIAL AVERAGE##						64.3											
Spectrum	4046	None	9.0	3110	27900	64.4	38	57	30	8.7	8.5	9.7	9.7	3280	* 31900	* 10.6	* 8.8
Jung	48SS439	CB,LL,RR,RW	9.4	2990	28200	64.6	38	57	28	9.4	8.7	10.1					
InVision	FS 46RL0 EZR	CB,LL,RR	9.5	3130	30000	65.2	38	57	30	9.7	7.8	* 11.0	9.6	3300	* 31700	10.3	* 8.9
Jung	49SS437RIB	CB,LL,RR,RW	* 10.4	2950	* 30600	65.9	38	57	28	* 10.5	* 9.9	* 10.7	9.5	3130	29800	9.6	* 9.4
Dairyland	HiDF3099RA	CB,LL,RR,RW	* 10.0	3130	* 31500	66.3	39	58	29	* 10.5	8.8	* 10.7	* 10.1	3210	* 32500	* 10.5	* 9.6
Federal Hybrids	4999SS	CB,LL,RR,RW	9.3	3150	29500	66.5	37	60	30	9.6	9.0	9.4					
MEAN			9.5	3160	30200	62.0	37	58	32	9.9	8.7	10.0	9.4	3290	30900	9.7	9.0
LSD(0.10)**			0.8	140	3100	3.1	2	2	2	1.5	0.9	1.0	0.8	150	3700	1.2	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.

Table 19. North Central Zone - Late Maturity Silage Trial. (page 1 of 2)

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

			2018										2017				
			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
Latham	EX103VT2PRO	CB,RR	9.7	* 3200	30900	63.2	38	61	31	* 10.3	* 8.8	9.9					
Legend Seeds	LR94A01-3011A	CB,LL,RR,RW-wo	9.7	* 3130	30400	63.4	38	58	31	* 10.3	* 8.9	9.9	7.3	* 3190	23300	7.7	7.0
NK Brand	NK0330-3120	CB,LL,RR	9.4	* 3170	30200	64.5	39	59	29	9.8	* 8.5	9.9					
Tracy Seeds	T102-14(3011A)	CB,LL,RR,RW-wo	9.1	3090	28200	64.9	38	59	29	9.9	8.2	9.3					
Renk	RK717SSTX	CB,LL,RR,RW	9.5	* 3140	29700	65.1	38	57	30	9.3	* 8.8	10.3					
Jung	HDS36R22	RR	9.0	3030	27600	65.2	41	58	27	8.0	* 8.8	10.2					
Prairie Hybrids	3415	None	9.4	* 3210	30000	65.3	39	59	30	9.8	* 9.2	9.0	* 9.7	* 3310	* 32400	* 10.1	* 9.3
Channel	204-74VT2PRIB	CB,RR	9.3	* 3250	30100	65.3	37	60	31	9.2	* 8.5	10.2	9.1	* 3290	* 29800	9.4	* 8.7
InVision	FS 53ZX1 RIB	CB,LL,RR,RW	9.1	* 3270	29600	65.3	36	62	32	9.3	* 8.6	9.3					
Foundation Direct	8500	None	9.5	* 3160	30300	65.4	37	63	30	9.8	* 8.6	10.2					
Masters Choice	MCT5454 VIP3111	CB,LL,RR,RW	8.9	* 3140	27900	65.6	39	58	30	9.0	8.0	9.6					
Legacy Seeds	L4433(3122EZ)	CB,LL,RR,RW	9.1	3090	28200	66.1	38	58	29	9.3	8.2	9.9					
Renk	RK737SSTX	CB,LL,RR,RW	9.5	* 3160	30100	66.1	37	60	31	9.6	* 8.8	10.0					
NK Brand	NK0440-3010	CB,LL,RR	9.8	* 3250	* 31800	66.2	38	62	30	* 10.5	* 8.8	10.0					
Dairyland	RPM-4329AM	CB,LL,RR	* 10.1	* 3230	* 32800	66.2	37	60	31	* 11.2	* 8.7	* 10.5					
InVision	FS 52RL0 EZR	CB,LL,RR	9.0	* 3220	29000	66.3	39	58	30	9.9	7.9	9.1	8.6	* 3350	28900	9.6	7.6
Dairyland	RPM-4318AM	CB,LL,RR	* 10.1	* 3250	* 33000	66.3	37	61	30	* 10.9	* 8.7	* 10.8					
Dairyland	HiDF3202PE		9.2	* 3160	29100	66.6	38	61	29	9.7	* 8.7	9.2					
100-DAY HYBRID TRIAL AVERAGE##						66.7											
Tracy Seeds	T104-13 (3000GT)	CB,LL,RR,RW	9.7	* 3200	30900	66.7	38	60	30	9.8	* 9.0	10.2	9.1	* 3230	29500	* 10.2	7.9
Prairie Hybrids	4718	None	9.7	* 3220	31500	66.7	37	61	31	9.8	8.3	* 11.1	* 9.7	* 3320	* 32400	* 10.1	* 9.4
Jung	53SS517RIB	CB,LL,RR,RW	9.8	3050	29800	66.7	38	59	28	9.5	* 9.2	* 10.5					
105-DAY HYBRID TRIAL AVERAGE##						66.8											
Channel	202-81STXRIB	CB,LL,RR,RW	8.9	* 3210	28400	67.0	39	60	29	9.4	8.2	9.0					
InVision	FS 54A00	None	9.1	* 3210	29300	67.2	38	61	30	9.7	8.2	9.5					
Latham	5742RR	RR	* 10.1	* 3240	* 32800	67.2	38	61	31	* 11.3	* 8.7	10.3					
DuPont Pioneer	P0783XR	CB,LL,RR,RW-bmr	8.8	* 3220	28600	67.2	38	63	29	8.9	* 8.6	9.0					
Dekalb	DKC51-91RIB	CB,LL,RR,RW	9.1	* 3160	28800	67.3	39	60	29	9.4	* 8.4	9.6					
Legacy Seeds	L5217	CB,LL,RR,RW	9.1	* 3180	29000	67.3	37	60	30	9.2	* 8.7	9.5					
Renk	RK710DGVT2P	CB,DT,RR	10.0	3040	30100	67.5	40	59	27	10.2	* 8.9	* 10.9					
LG Seeds	LG5505STXRIB	CB,LL,RR,RW	8.8	3060	27200	67.6	39	60	28	8.8	8.2	9.3					
Federal Hybrids	5570SSRIB	CB,LL,RR,RW	9.7	* 3140	30400	67.6	38	59	29	* 10.4	* 8.4	10.3	* 9.4	3130	* 29700	* 10.4	* 8.4
Legacy Seeds	L6838	CB,LL,RR	9.2	3100	28400	67.7	40	59	28	9.9	7.6	10.0					
Blue River Organic See	51T59	None	9.7	* 3160	30800	67.7	39	60	29	9.8	* 8.9	10.4					
Jung	51SS509	CB,LL,RR,RW	7.7	* 3110	24200	68.0	38	60	29	7.8	7.5	8.0					

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Table 19 (continued). North Central Zone - Late Maturity Silage Trial. (page 2 of 2)

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

			2018										2017				
			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
InVision	FS 51QX1 RIB	CB,LL,RR,RW	9.2	3050	27900	68.1	40	58	27	9.8	* 8.5	9.2					
Legend Seeds	JSC47J104-3122	CB,LL,RR,RW	8.4	3090	25900	68.1	39	59	28	8.6	6.8	9.7					
Latham	5495-3122EZR	CB,LL,RR,RW	8.9	* 3140	28000	68.3	39	60	29	9.7	* 8.4	8.5	* 9.7	3170	* 30800	* 10.9	* 8.5
Tracy Seeds	T104-14(Vip3122EZ)	CB,LL,RR,RW	9.7	2890	28100	68.4	40	59	25	* 10.8	* 8.8	9.5					
Prairie Hybrids	5200	None	* 10.8	* 3220	* 34600	68.4	38	61	30	* 11.9	* 9.0	* 11.4	* 9.6	3070	* 29800	* 10.5	* 8.6
Renk	RK642SSTX	CB,LL,RR,RW	9.0	3100	28000	68.4	39	60	28	9.2	7.7	10.0	8.3	3070	25400	9.0	7.5
Legacy Seeds	L5350	CB,LL,RR,RW	9.7	3010	29200	68.4	40	58	27	* 11.0	* 8.5	9.6	* 9.5	* 3200	* 30600	* 10.8	8.1
Dairyland	HiDF3605RA	CB,LL,RR,RW	10.0	3010	30200	69.1	41	57	26	* 11.4	8.3	10.3	* 9.3	2860	26800	9.8	* 8.8
Masters Choice	MC5790	None	9.1	3040	27600	69.2	40	61	27	9.8	8.1	9.4					
Dairyland	HiDF3702-9	CB,LL,RR,RW	9.5	* 3160	30200	69.6	39	61	28	9.8	* 8.9	9.8	8.5	3140	26800	9.8	7.2
MEAN			9.4	3140	29500	66.8	39	60	29	9.8	8.5	9.8	9.0	3220	29100	9.7	8.2
LSD(0.10)**			0.7	160	2800	1.9	2	2	3	1.6	0.9	0.9	0.8	170	2700	1.2	1.5

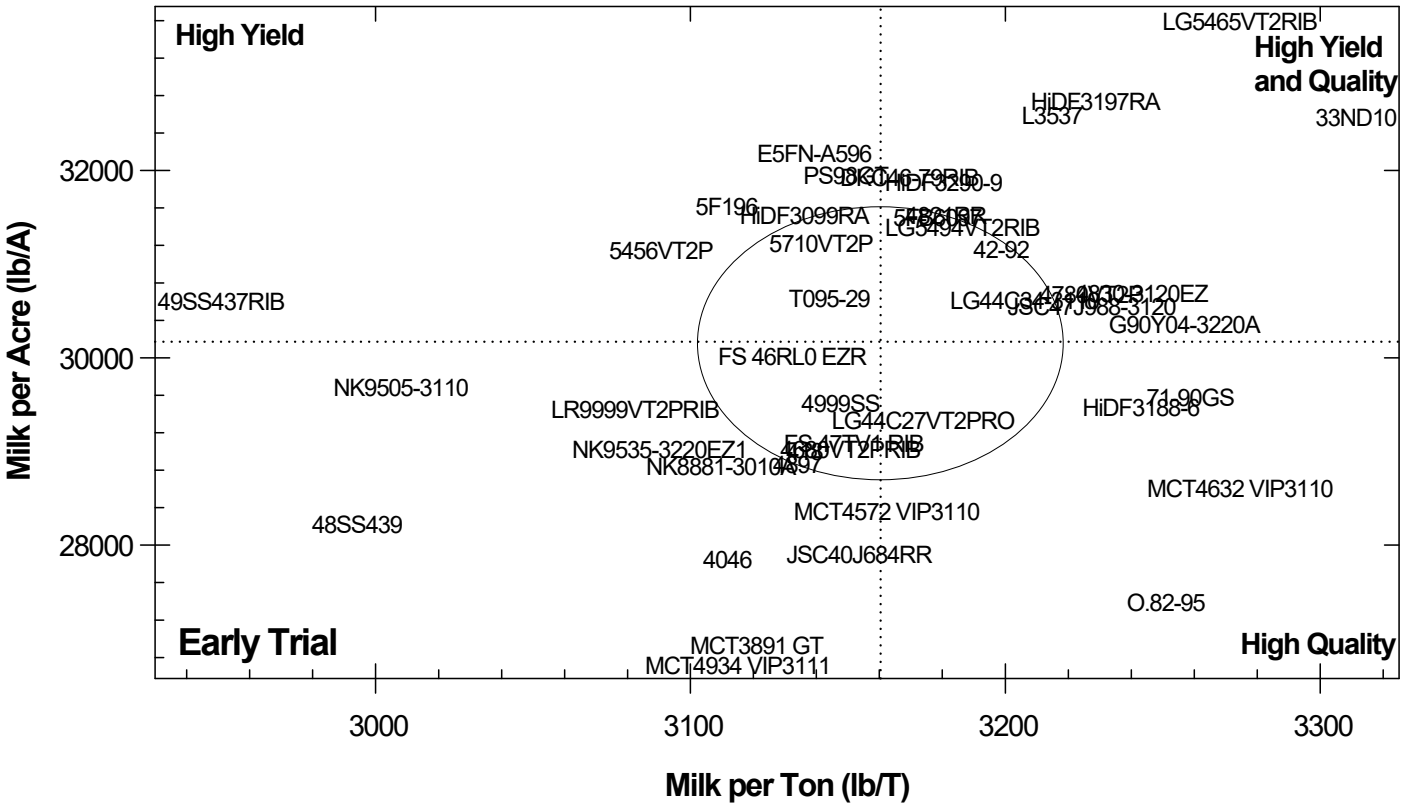
† Traits: CB=Corn Borer, DT=Drought Tolerant, LL=Liberty Link, RR=Roundup Ready, RW=Corn Rootworm, lfy=Leafy, ND=Nutri-Dense, wo=Water Optimize.

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 2018.



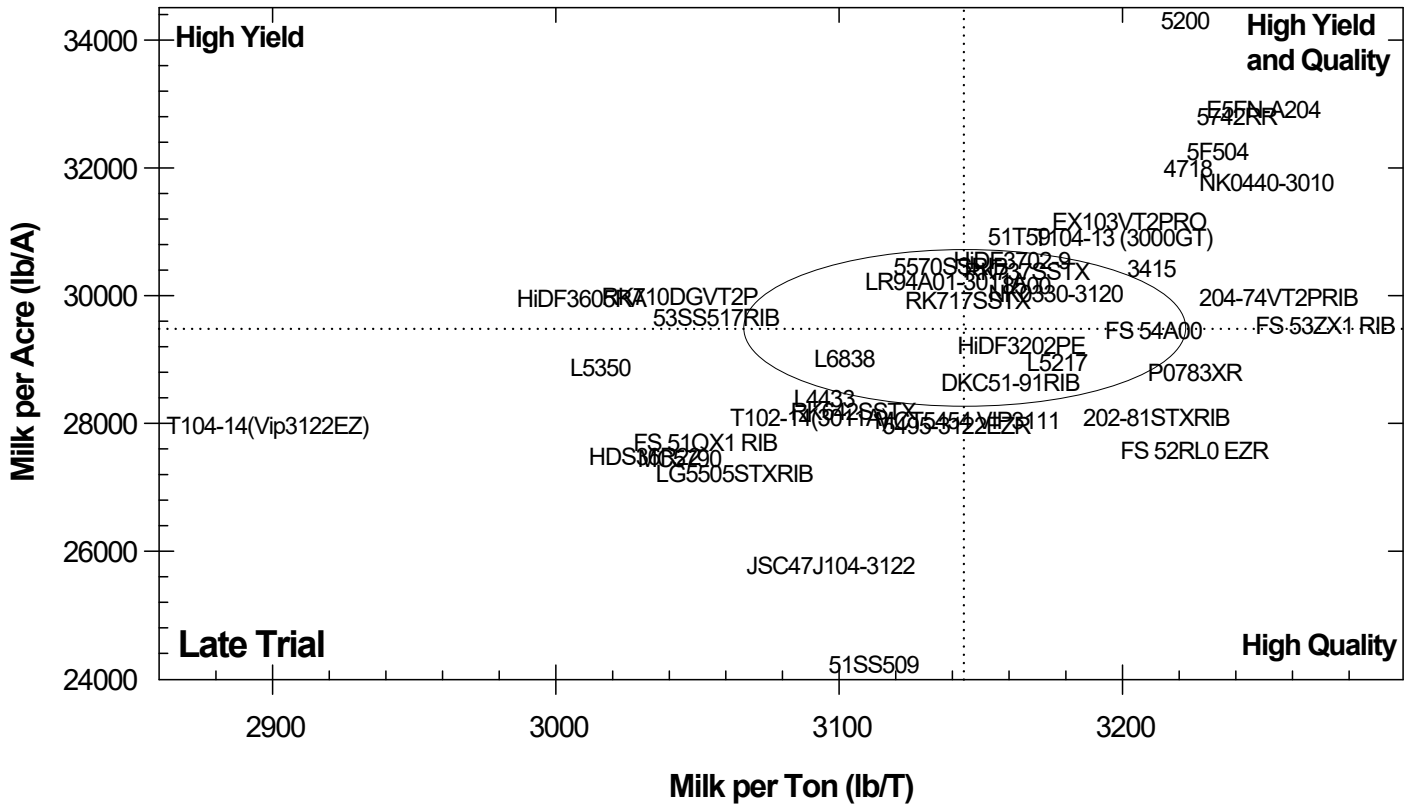


Table 20. Northern Zone Silage Trial. (page 1 of 2)

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

			2018											2017				
			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	SPI	SPS
Masters Choice	MCT2552 VIP3110	CB,LL,RR	6.5	* 3230	21200	50.4	38	61	33	7.8	6.2	6.4	5.7	7.2	3350	24300	7.5	6.9
Jung	31DP308	CB,RR	7.7	3130	24200	52.3	38	60	32	8.7	8.0	6.9	7.3	7.8	3300	25700	8.2	7.4
NK Brand	NK8618-3011A	RR-wo	8.7	3110	27200	53.3	39	60	31	9.9	8.0	* 8.9	8.3					
Masters Choice	MCT3891 GT	RR	8.0	3100	24800	53.7	39	60	31	9.5	6.6	7.9	8.1	8.9	3320	29600	9.2	8.6
Dairyland	HiDF3188-6	RR	8.2	* 3250	26600	53.8	38	63	33	8.9	7.2	* 8.5	8.1					
InVision	FS 37TV1	CB,RR	8.4	* 3220	27100	56.5	38	60	33	10.0	7.7	7.7	8.0					
NK Brand	NK8881-3010A	CB,LL,RR-wo	8.7	3150	27600	56.9	39	59	32	10.1	7.4	8.2	* 9.3					
InVision	FS 35SV1 RIB	CB,RR	7.7	* 3310	25800	57.8	37	62	34	9.5	6.9	7.1	7.4					
85-DAY HYBRID TRIAL AVERAGE##						58.5												
Viking	71-90GS	None	* 9.5	* 3300	* 31300	58.9	37	62	33	* 11.5	8.6	* 9.3	8.5					
InVision	FS 45SV1 RIB	CB,RR	8.3	3200	26700	59.1	38	61	32	9.0	7.7	7.8	8.6					
InVision	FS 41TV1	CB,RR	8.5	3200	27300	59.4	40	62	31	8.7	8.4	* 9.0	7.9					
Latham	3755VT2PRO	CB,RR	9.0	3190	28600	59.6	38	61	31	10.1	* 8.8	* 9.0	7.9					
Jung	4D178RIB	CB,RR	8.3	* 3240	27000	60.0	37	61	33	9.8	7.9	7.7	7.8	8.3	* 3380	28100	8.9	7.7
Dairyland	HiDF3290-9	CB,LL,RR,RW	* 9.9	* 3320	* 33000	60.1	38	61	34	* 10.8	* 9.3	* 9.7	* 9.8	* 9.6	* 3480	* 33400	* 10.3	* 8.9
Legacy Seeds	L2847	CB,RR	8.9	3140	28100	60.3	39	60	30	10.0	* 8.9	8.0	* 8.9					
NK Brand	NK9505-3110	CB,LL,RR	8.7	3100	26900	60.4	39	60	30	10.0	8.6	8.1	8.1					
90-DAY HYBRID TRIAL AVERAGE##						60.4												
Jung	42DP419	CB,RR	9.2	3180	29400	60.8	38	62	31	10.0	8.4	* 9.1	* 9.2					
Federal Hybrids	4190VT2P	CB,RR	7.6	* 3210	24600	61.2	39	62	31	8.0	8.1	7.0	7.5					
Masters Choice	MCT4572 VIP3110	CB,LL,RR	8.1	3180	25900	61.3	39	60	31	9.0	7.8	7.4	8.3	* 9.9	* 3430	* 33800	* 10.9	* 8.8
Legacy Seeds	L2937(3120EZ)	CB,LL,RR	8.4	3180	26800	61.6	40	59	30	9.6	7.9	7.1	* 9.1					
Viking	42-92	None	9.2	* 3210	29700	61.8	39	61	31	* 10.3	* 8.8	* 8.7	* 9.1					
Latham	4242VT2PRO	CB,RR	* 9.3	3180	29500	61.9	39	60	30	10.1	* 9.1	* 9.3	8.5					
Prairie Hybrids	418	None	8.9	* 3310	29400	61.9	37	64	32	* 10.4	* 8.8	8.3	8.0					
Dairyland	HiDF3197RA	CB,LL,RR,RW	9.0	3160	28600	62.3	42	61	29	* 10.5	8.5	8.1	* 8.9	* 9.9	3280	* 32400	* 10.7	* 9.1
Dekalb	DKC42-05RIB	CB,RR	8.8	3190	28300	62.4	38	61	31	9.7	8.1	8.3	* 9.2					
Golden Harvest	G90Y04-3220A	CB,LL,RR-wo	9.0	* 3220	28900	62.4	38	59	32	10.1	8.5	* 9.1	8.2					
LG Seeds	LG38C18VT2RIB	CB,RR	8.2	* 3270	27000	62.5	37	61	32	* 10.6	7.4	7.1	7.7					
LG Seeds	LG5410VT2RIB	CB,RR	9.2	3160	29100	62.5	39	62	30	10.1	* 9.8	8.1	* 8.7					

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

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

			2018											2017				
			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	SPI	SPS
LG Seeds	LG44C27VT2PRO	CB,RR	* 9.4	* 3290	* 30800	62.5	38	63	32	* 10.6	* 9.4	* 8.9	8.5					
95-DAY HYBRID TRIAL AVERAGE##						62.8												
Channel	192-98STXRIB	CB,LL,RR,RW	8.8	* 3320	29100	62.8	38	64	32	9.7	* 8.8	7.6	* 9.1					
Federal Hybrids	4160VT2PRIB	CB,RR	* 9.3	3190	29800	63.0	39	61	30	* 11.1	8.6	* 8.6	* 9.0	8.8	3360	29400	9.5	8.0
Federal Hybrids	4680VT2PRIB	CB,RR	8.6	3130	26900	63.1	41	61	28	9.0	8.5	8.1	8.6					
LG Seeds	LG44C34-3110	CB,LL,RR	9.0	* 3220	29000	63.1	38	62	31	* 10.6	8.6	* 8.6	8.2					
Legacy Seeds	L3537	CB,LL,RR	8.7	3180	27900	63.4	39	61	30	* 10.6	7.7	* 8.5	8.1					
NK Brand	N27P-3110A	CB,LL,RR-wo	9.1	3190	29200	63.5	38	59	31	* 10.6	* 8.8	* 8.6	8.5	9.4	3270	30600	* 10.2	8.5
Jung	46SS428	CB,LL,RR,RW	* 9.5	* 3330	* 31600	64.1	36	64	32	10.0	* 9.8	8.4	* 9.7					
Channel	198-98STXRIB	CB,LL,RR,RW	9.2	3080	28500	65.0	41	62	27	10.1	* 9.2	8.4	* 9.1	* 9.7	3190	30900	* 10.4	* 8.9
NK Brand	NK9227-3220A	CB,LL,RR-wo	8.8	3150	28000	65.0	40	59	29	9.6	8.6	* 8.6	8.5					
InVision	FS 43RA1 EZR	CB,LL,RR	8.5	3110	26300	65.6	40	61	28	9.1	8.2	7.6	* 9.0					
Jung	7S378RIB	CB,LL,RR,RW	9.0	3130	28300	66.4	40	61	28	10.1	* 9.0	* 9.3	7.6					
MEAN			8.7	3200	27900	60.6	39	61	31	9.8	8.3	8.2	8.4	8.9	3340	29600	9.5	8.2
LSD(0.10)**			0.6	120	2500	2.5	2	2	2	1.3	1.0	1.2	1.1	0.6	120	2600	1.1	0.7

† 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 2018.

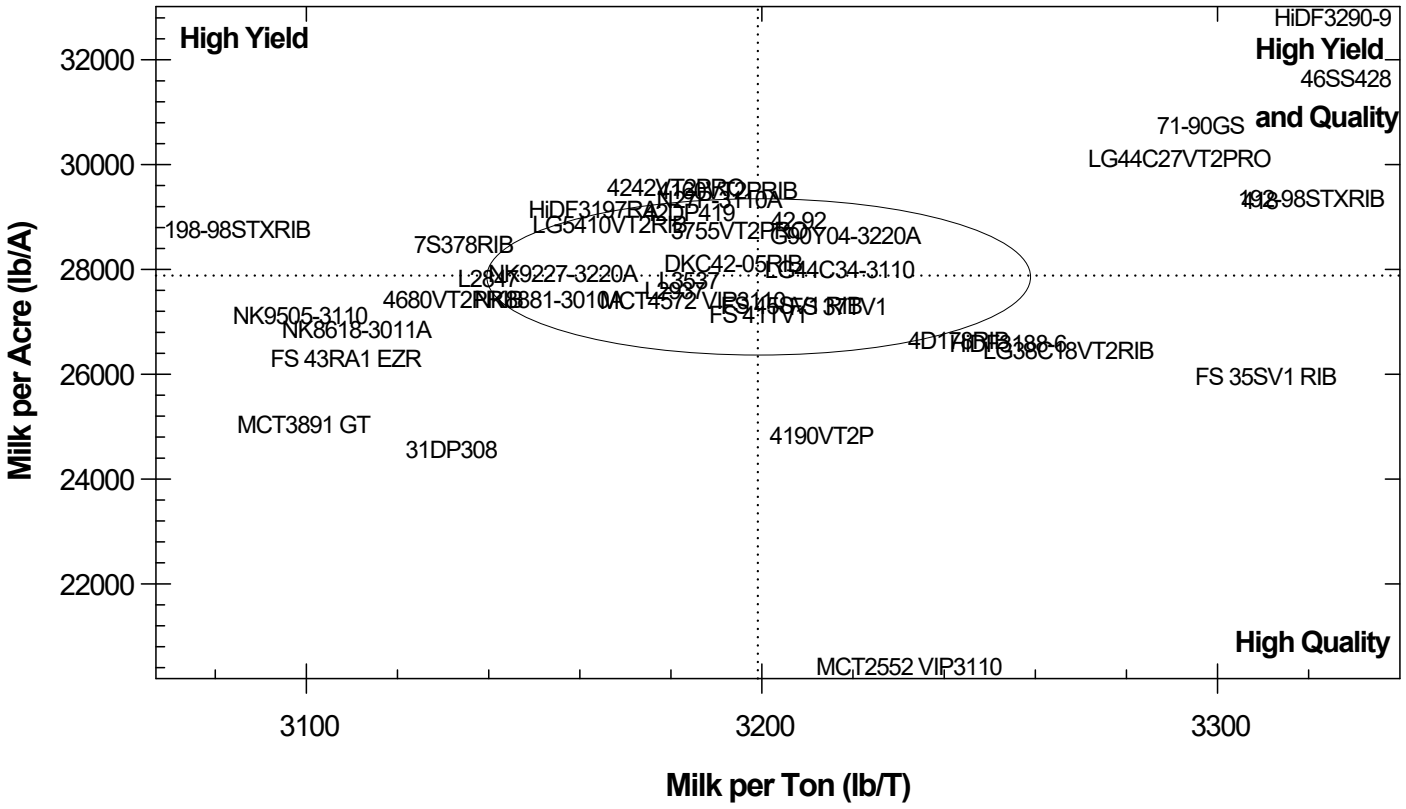

Table 21. South Central Zone - Organic Grain Trial.

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

			2018								2017				
			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
Organic	UW Check D	None	204	99	20.9	54	2	195	196	221	231	* 103	* 257	222	212
Organic	UW Check D-HW	None	204	98	20.9	54	3	193	190	228	223	* 102	235	221	219
Viking	O.84-95UP	None	190	95	21.5	55	2	183	178	212	211	99	206	200	225
95-DAY HYBRID TRIAL AVERAGE##					22.0										
Foundation Organic	ORG8700	None	194	96	22.0	53	3	187	184	208	226	101	228	238	211
Viking	O.79-00P	None	187	94	22.2	51	4	194	165	203					
Great Harvest Organics	52F3	None	* 232	* 104	23.2	54	2	207	* 243	242					
Foundation Organic	8749UNT	None	189	93	23.3	52	9	192	177	198					
Great Harvest Organics	47N2	None	* 238	* 106	23.3	53	2	* 234	231	* 250					
Prairie Hybrids	3081	None	212	99	24.1	54	2	196	227	211					
Viking	O.69-99	None	207	98	24.1	53	3	202	213	206	234	101	237	252	211
100-DAY HYBRID TRIAL AVERAGE##					24.2										
Foundation Organic	EXP103	None	* 248	* 107	24.4	53	4	* 232	* 258	* 257					
Great Harvest Organics	55E4	None	* 241	* 106	24.4	55	2	* 240	* 245	242					
Foundation Organic	ORG8500	None	* 229	* 103	24.7	53	3	* 225	230	229	239	* 102	231	251	* 233
Great Harvest Organics	55G3	None	* 237	* 104	26.0	55	2	* 228	222	* 262					
105-DAY HYBRID TRIAL AVERAGE##					26.1										
Prairie Hybrids	4711	None	219	99	26.4	53	6	* 222	211	227					
Foundation Organic	ORG8507	None	* 232	* 102	27.1	51	3	217	* 239	* 243	221	97	235	233	190
Viking	O.68-06P	None	* 238	* 104	27.4	51	2	* 223	* 256	233					
Foundation Organic	HDC106	None	193	92	28.4	52	9	201	161	218					
Masters Choice	MC5790	None	* 237	* 103	29.6	53	1	* 231	* 253	226					
MEAN			217	100	24.4	53	3	211	215	227	227	100	229	231	219
LSD(0.10)**			20	5	1.8	1	4	18	22	19	15	3	17	22	19

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)

			2018								2017			
			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
Viking	O.58-85UP	None	181	94	23.5	56	19	182	159	184				
Foundation Organic	ORG8801	None	202	* 99	24.2	55	20	195	* 187	200	* 231	* 105	* 216	247
Viking	O.84-95UP	None	191	* 99	24.2	54	5	194	* 182	* 214	* 223	* 101	* 222	241
90-DAY HYBRID TRIAL AVERAGE##					24.3									
Blue River Organic Seed	27B16	None	203	* 100	24.4	55	17	205	* 182	202	* 233	* 104	* 222	* 276
Foundation Organic	8855UT	None	190	* 98	24.5	53	5	187	166	189				
Viking	O.71-90UP	None	205	* 101	24.6	55	13	* 220	173	* 215				
Organic	UW Check D	None	196	* 100	24.7	53	3	175	* 182	194	* 227	* 102	* 241	* 257
Blue River Organic Seed	38G54	None	207	* 103	24.7	52	3	210	* 193	* 206	* 241	* 104	* 240	* 274
95-DAY HYBRID TRIAL AVERAGE##					25.2									
Organic	UW Check D-HW	None	197	* 100	25.3	52	3	167	173	* 219	* 231	* 104	* 236	246
Foundation Organic	8749UT	None	190	96	27.0	52	13	185	176	197				
Blue River Organic Seed	51T59	None	* 229	* 105	31.0	52	2	* 236	161	* 244				
Blue River Organic Seed	48G35	None	* 215	* 101	31.4	53	2	* 244	165	* 216				
Prairie Hybrids	4711	None	* 226	* 104	32.4	53	4	* 239	* 189	* 237				
MEAN			203	100	26.3	53	8	203	176	209	215	100	210	240
LSD(0.10)**			21	7	2.4	2	14	26	15	40	22	6	36	20

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 2018 and 2016. 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
AgriGold	
A6179STXRIB	17,16,15
A61890VT2RIB	18
A6199STXRIB	17,16,15
A62177STXRIB	18
A6237STX	16
* A624-11-3110	17*
A624113220AEZ	18
A62578VT2PRO	18
A6257STXRIB	17,16
* A6267STXRIB	17*,16*,15,14*
* A62820VT2RIB	18*,17*
A6283VT2RIB	17,16
* A62922STX	17*
* A62922STXRIB	18*
* A6300STXRIB	16,15*
* A63031VT2RIBD1	17*
A63138VT2PRO	18
A63394STX	18
A6346STX	16
* A6346VT2RIB	17*
A6351STXRIB	17,16
* A63554VT2RIB	18*,17*
A6355STXRIB	16
A63655VT2RIB	18,17
* A63656STXRIB	18*,17*
* A63755VT2PRO	18*
* A63874VT2PRO	18*
* A63894STX	18*
* A63940VT2RIB	18*,17*
A63941STX	17
* A64077STXRIB	18*
A64077VT2PRO	17
A64106STX	18
* A6413STXRIB	17*,16*
* A6416STXRIB	16,15*,14*
* A64178STXRIB	18,17*
* A6424GT3VIP	16*
A64259STX	17
* A6441STXRIB	16*
* A6442STXRIB	16*,15*,14*
* A6458VT3PRIB	16*,15,14
* A6462STXRIB	17*,16*,15*
A6499STXRIB	17,16
* A6533VT3PRIB	16*,15*,14
Beck's	
4606V2P	16
4617SX	16
* 4721AM	16*
* 4824BR	17*
* 4919SX	17,16*
* 5140HR Brand	17*
* 5162A3	16*
* 5234AMX	16*
5337SX	16
* 5513AMXT Brand	17*,16*
* 5665AMX Brand	17*,16*
5828AMX	16
* 5829A4	17*,16*
5883SX	17
6076SX	16
6127A3	17
6165AMX	16
6274SX	17
* 6365AM Brand	17*
* 6365AMX	16*
EX1736 Brand	17
Blue River Organic Seed	
* 27B16	18*,17*
* 33A16	17*,16*
* 33ND10	18*,17*
* 38G54	18*,17*
* 43T35	16*
45G28	17
* 48G35	18*,17*,16*
* 49K70	16*
* 51T59	18*,17*,16*
* 57A30	18*
* 62G22	18*,17
66G25	17
Brunner	
2822GT	16,15
2865A	17,16
2865GTA	18,16
2894GT-3110A	16
* 2897GT-3010	18,17*
* 3915	16,15*,14*
* 3915GT-3110	18,17*,16
* 3920	17,16,15*
3946GT-3110A	17
3955	16,15
* 3992GTA	16,15*
* 4044	18,17*,16
* 4076GT-3111	16*
EXP105A	18
* EXP95A	18*
Burrus	
* X6R20-3000GT	17*
Channel	
190-13VT2PRIB	16,14
* 192-98STXRIB	18*
* 193-53STXRIB	16*
194-14VT2PRIB	16,15
195-18VT2PRIB	17
* 195-58STXRIB	16,15*
* 198-98STXRIB	18,17*,16*
201-28VT2PRIB	16
* 202-52STXRIB	16,15*
* 202-81STXRIB	18*
* 203-01STXRIB	17*,16*
* 204-74VT2PRIB	18*,17*
* 205-19STXRIB	16,15*
* 206-11STXRIB	18*,17*
206-30STXRIB	16
* 207-27STXRIB	17*,16*,15*
* 209-15STXRIB	18*,17*
* 209-53STXRIB	17,15*,14*
210-98STXRIB	18
* 211-35STXRIB	16,15*
213-59STXRIB	16
Cornelius	
5695VT2P	18
6035VT2P	18
* 6325VT2P	18*
* 6376	18*
6963	18
7228SS	18
C271DP	18
C324DP	18,16
C338DGDP	16,14
C380	17
C380DP	16
* C385SS	18*
* C408DP	18,17*,16*
C449DP	17,15
* C452SS	17*
C457DP	18
* C457SS	16,15*,14*
* C461SS	18*,17*
* C478DP	18*
* C490	16*,15*,14*
C495DP	18,16
* C508	18*
C555-3010	18
C564DP	18
C564SS	18
C568	18
C573DP	18
* C574	16*,15*
* C574DP	16*,15*
C585DP	17
* C594VT3P	16*,15*,14*
* C602SS	16,15*,14*
* C621	16*
* C621SS	17,16*,15*,14*
* C633DP	18,17*
* C634SS	16*
C667SS	18
* C732	16*
* C733SS	17,16*,15*
C765SS	17
Croplan Genetics	
3899VT2PRIB	18
3909SSRIB	18
4099SSRIB	18
Dahlman	
R43-26VT2PRIB	16
R44-25VT2PRIB	16
* R44-26VT2PRIB	16,15*
* R45-28VT2PRIB	16,15*
* R46-27VT2PRIB	16*,15*,14*
R52-352SSRIB	16
Dairyland	
DS1091	17,16
* DS6106	17*
DS7185	17
* DS7215	18*
* DS7294	17*,16*
* DS7294a	18*
* DS7603PE	18*
* DS7909PE	18*
DS9090SSX	17
* DS9106	16*
DS9198RA	16
DS9204	16
* DS9403	16*
* DS9508RA	18,17,16,15*
* DS9510RA	18*,17
* DS9513	16*
* DS9599	18*,17*,16,15
DS9686	18,17,16
DS9701RA	17,16
* DS9713RA	18,17,14*
DS9787SSX	16
* DS9802	16*
DS9802RA	17

Table 23 (continued). Comparisons over time of all hybrids tested between 2018 and 2016. 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
DS9804RA	18,17
DS9911	16
* EX-08906	17*
* EX-09604	17*
EX-09706	17
* EX-11007	17*
* EXP-10206	18*
* EXP-10411	18*
EXP-10617	18
EXP-10813	18
* EXP-11014	18*
* EXP-11016	18*
* EXP-11113	18*
* EXP-11315	18*
* EXP-11316	18*
EXP10707	16
* EXP11213	16*
* HiDF3099-9	16*,15*
* HiDF3099RA	18*,17*
* HiDF3103-9	16*
* HiDF3188-6	18*,15*
* HiDF3188RA	17*,16*,14*
* HiDF3197RA	18*,17*,16
* HiDF3202PE	18*
HiDF3211RA	18,17
* HiDF3290-9	18*,17*,16*,15*,14*
* HiDF3407RA	18*,17
* HiDF3413SSX	18,17*
* HiDF3510SSX	18*,17*,16*,15*,14*
* HiDF3605RA	18*,17*,16*
* HiDF3700RA	16*
* HiDF3702-9	18*,17,16*,15*,14
* HiDF3808RA	18*,17,16*
HiDF3915SSX	17
RPM-2918AM	18
* RPM-3518AM	18*
* RPM-3519AM	18*
* RPM-3715AM	18*
RPM-4018AM	18
* RPM-4019AM	18*
* RPM-4317AM	18*
* RPM-4318AM	18*
* RPM-4329AM	18*
* RPM-4816AM	18*
* RPM-499AM	18*
* RPM-5018AM	18*
* RPM-5329AM	18*
* RPM-562XRR	18*
Dekalb	
DKC26-40RIB	18,17
DKC31-10RIB	18,14
DKC32-12RIB	17,16
DKC34-82RIB	16,15
DKC35-88RIB	17,16
DKC36-30RIB	16,14
DKC37-50RIB	18
* DKC39-27RIB	16,15*
* DKC40-77RIB	18,17,16*
* DKC41-99RIB	17*
DKC42-05RIB	18
DKC45-07RIB	16
* DKC45-65RIB	17,16*,15*
* DKC46-36RIB	17,16*,15*
* DKC46-79RIB	18*,17*,16*
* DKC49-72RIB	16,15*
* DKC49-73RIB	17*
* DKC50-08RIB	18,17*
* DKC51-38RIB	18,17*
* DKC51-91RIB	18*
* DKC52-68RIB	18*,17*,16*
DKC53-68RIB	16
* DKC54-38RIB	16,15*,14*
* DKC55-84RIB	18*,17*
* DKC55-93RIB	16*
* DKC56-03RIB	16*,15
* DKC56-45RIB	17*
* DKC57-97RIB	17*
* DKC58-06RIB	18*,17*,16*
DKC58-34RIB	18
DKC59-07RIB	18
* DKC60-67RIB	16*,15*,14*
* DKC60-87RIB	18*,17*
* DKC62-08RIB	16,14*
* DKC62-20RIB	17*
* DKC63-33RIB	16*,15*,14*
* DKC63-60RIB	18,17*
DuPont Pioneer	
* P0157AMX	18*,16,15
* P0306AM	18*
P0496AMX	16,14
* P0506AM	17,16,15*
* P0825AMXT	16*
* P0921AMXT	16*
P1197AMXT	16,15
* P8542AM	16*
* P9188AM	18,16*,15*
* P9690AM	16,14*
* P9789AMXT	16*,15*
* P9840AM	16*
* P0574AMXT	18*
* P0783XR	18*
* P9492AM	18*
* P9998AMXT	18*
Federal Hybrids	
3190VT2P	18
3270VT2P	16
3570VT2PRIB	18,17
3660GT3011A	18,17,16,15
3790VT2P	18
3880VT2PRIB	18,17
3890VT2P	18
3950VT2PRIB	16
3970VT2	16
4060VT2PRIB	16
* 4160VT2PRIB	18*,17*,16*
* 4180VT2P	17*
* 4190VT2P	18*
4240SSRIB	17
4240VT2PRIB	16
4470VT2PRIB	18,17,16
4550SSRIB	16
4558SSRIB	16
* 4560VT2PRIB	16*
* 4580VT2PRIB	18*,17*
* 4680VT2PRIB	18*,17*
* 4780VT2P	18*
4990SS	18
* 4999SS	18*
5060SSRIB	18
5060VT2P	16
* 5280SSRIB	18*,17
* 5370SSRIB	18,17,16*
5440SSRIB	16
5550SSRIB	17,16
* 5570SSRIB	18*,17*
5670SSRIB	17
Foundation Direct	
2500	16
* 8500	18*
* 8549	17*
8700	16,15
8749	18
* 8762	17*,16
* 8801	17*,16,15
8830	18
8855	18,17
8907	16
8972	18,16
8988	16
EXP095	18
* HDS84	17,16*,15*
* HDS85	17*,16*,15*,14*
* HDS90	16*,15
* HDS95	16*
* ORG8355	16*
Foundation Organic	
8749UNT	18
8749UT	18
* 8762UT	17*,16*,14*
* 8830UT	17*,16,15,14
8847	17
* 8855UT	18*,17
* EXP103	18*
HDC106	18
* OR8331	16*,14*
ORG7957	17
* ORG8500	18*,17*
* ORG8507	18*,17,16*,15*
ORG8586	16
ORG8600	17
* ORG8700	18,17,16*,15
* ORG8780	16*,15
* ORG8801	18*,17*,16*,15
Frontiersmen	
090-H3	17
* 090-H8	18*
094-D7	18,17
* 096-R8	18*
097-D8	17
101-C7	17
* 103-C7	17*
103-E8	18
Golden Harvest	
* G01D24-3120	17*
* G01P52-3011A	16*,15*,14*
* G01P52-3122A	17*,16
G01Q76-3010	16
G03A50-3010	16
* G03C84-3120 EZ1	18,17*
* G04S19-3010	18*
G05B91-3010	17
G06Q68-3220 EZ1	18
G07A24-3010	18
G07B39-3122	16
* G07F23-3111	16,15,14*
G09A86-3111	17
* G09E98-3122	17,16*

Table 23 (continued). Comparisons over time of all hybrids tested between 2018 and 2016. 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
* G09Y24-3220A EZ1	18*
* G10T63-3122 EZ1	18*,17*,16*
* G12W66-3000GT	18*,17,16*
* G84J92-3011A	17,16*,15
G85Z56-3110A	16
G88R13-3010	16
* G89A09-3010	17*
G90E41-3110A	16
* G90Y04-3220A	18*,17*,16*,15*
G94B95-3110	16,15
* G94U87-3110A	17*
* G95D32-3110	17*,16*,15*,14*
* G95D32-3220 EZ1	18*
* G96V99-3120 EZ1	18,17*,16
* G97N86-3110	18*,17*
* G98L17-3000GT	17*,16*
Great Harvest Organics	
* 47N2	18*
* 52F3	18*
* 55E4	18*
* 55G3	18*
Great Lakes	
3337VT2RIB	17,16,15
3510VT2RIB	16,15,14
3622VT2RIB	17
* 3847VT2RIB	16*,15*,14*
* 3870VT2RIB	17*
4037STXRIB	16
* 4062VT2RIB	17*
* 4250STXRIB	16*
* 4250VT2RIB	17*,15*
4333-3110A	17
* 4452VT2RIB	16*
* 4548STXRIB	16*,15*
* 4548VT2RIB	17*
* 4728VT2PRO	17*
* 4879STXRIB	16*,15*,14
* 4988VT2PRO	17*
* 5029VT2RIB	17*,16*
* 5283STXRIB	17*,16*,15,14*
* 5470STXRIB	17*,16,15
* 5556VT2RIB	17*,16*
* 5626VT2PRO	17*
* 5755STXRIB	16,15,14*
* 5824STXRIB	17,16*
* 5910VT2RIB	17*
5935STX	17
5944STXRIB	16
* 6068STXRIB	17*,16*,15*,14*

Brand Hybrid	Year(s) tested
* 6185STXRIB	17*,16,15*
* 6224STX	17*
* 6259VT2RIB	16*,15*
6261STXRIB	16
6353-3000GT	17
6462STXRIB	16
InVision	
FS 33TV1RIB	16
* FS 35SV1 RIB	18*,17
FS 36TV4RIB	16
* FS 37TV1	18*
* FS 38TV1RIB	16,15*
* FS 41TV1	18*
FS 42TV1RIB	16,15
* FS 43R48A	17*
* FS 43RA1 EZR	18*
* FS 44TV1 RIB	17,16*
FS 45SV1 RIB	18
* FS 46RL0 EZR	18,17*
* FS 46TX1RIB	16*,15
FS 47TV1 RIB	18
* FS 49ZX1 RIB	17*
* FS 50VX1 RIB	17*,16*
* FS 51QX1 RIB	18*
* FS 52RL0 EZR	18*,17*
* FS 52ZX1 RIB	17*,16*,15
* FS 53UX1RIB	16*
* FS 53ZX1 RIB	18*
* FS 54A00	18*
* FS 54ZX1 RIB	17*,16*,15*,14*
* FS 55TX1 RIB	18,17*
* FS 57TX1 RIB	17*,16*
FS 57ZX1 RIB	18
* FS 58G00	18*
* FS 58QX1 RIB	16,15*
FS 58R49	18
* FS 59VL1 RIB	17*
* FS 60LX1RIB	16*
FS 60QV1 RIB	17,16
* FS 60UX1	18*
* FS 61SX1 RIB	17*,16*,15*
* FS 62R44	17*
* FS 62RL1 EZR	18*
* FS 62TV1DG RIB	17*,16*
FS 62VX1RIB	16
FS 62ZX1 RIB	18
FS 63SX1RIB	16,15
* FS 63ZX1 RIB	18,17,16*
* FS 64SX1 RIB	18*,17,16

Brand Hybrid	Year(s) tested
Jung	
31DP308	18,17
36DP318	18,17
37DP328	18
* 39DP338	18*
* 42DP419	18*
43DP417RIB	17,16
* 46SS427RIB	18*,17*
* 46SS428	18*
* 47DP429	18*
47SS438	17
48SS439	18
* 49SS437RIB	18*,17*,16
4D113RIB	17,16,15
* 4D178RIB	18*,17*,16,15
4D260RIB	17,16
* 4D331RIB	18*,17,16,14*
4D341RIB	17,16
* 4D378RIB	17*
4D381RIB	18,17
* 50SS508	17*
* 51SS509	18*
* 52SS507RIB	18,17*
* 53SS517RIB	18,17*
* 54SS528	18,17*
* 56DP538	17*
* 56SS538	18*
58SS529	18
58SS537RIB	18,17,16
60SS607RIB	16
61SS608	18,17
* 7S331RIB	18,15*
7S378RIB	18
* 7S495RIB	17*
7S506RIB	16
* 7S522RIB	18,17*
* 7S555RIB	16*
7S579RIB	17
7S671RIB	17
* 7S711RIB	17*,16*,15,14*
* 7S744RIB	18,17*
HDS36R22	18
LG Seeds	
LG30C02VT2RIB	18
* LG38C18VT2RIB	18*
* LG44C27VT2PRO	18*
* LG44C34-3110	18*
LG5370VT2RIB	18
LG5375VT2RIB	18,16
* LG5408VT2PRIB	16,15*,14

Brand Hybrid	Year(s) tested
* LG5410VT2RIB	18,17,16*
* LG5415STXRIB	16,15*,14
* LG5420-3110A	17*
* LG5427VT2RIB	16*
* LG5465VT2RIB	18*,17*
* LG5467VT2P	16*
* LG5470STXRIB	16*,15*,14*
* LG5474STXRIB	16*
* LG5494VT2RIB	18*,17*
* LG5499STXRIB	18,17*,16*,15*,14*
LG5499VT2RIB	18
LG5501VT2PRIB	16
* LG5505STX	17*
* LG5505STXRIB	18*
LG5505VT2RIB	18
* LG5507STXRIB	17,16*
LG5520STXRIB	17,16
LG5520VT2	16
* LG5525VT2RIB	18*
LG5530VT2P	17
* LG5548STXRIB	18*,17,16*,15*
* LG5565STXRIB	18*,16*
LG5590VT2P	17
* LG5591STXRIB	16*,15*,14
* LG5606STXRIB	18*
* LG5618STXRIB	17,16*,15*,14*
LG57C28VT2PRO	18
* LG58C77VT2PRO	18*
* LG59C66VT2PRO	18*
LG62C02STX	18
* LG62C02VT2PRO	18*
Latham	
3755VT2PRO	18
* 4242VT2PRO	18*,16*
* 5495-3122EZR	18*,17*,16
* 5742RR	18*,17*
* 5885VT2PRO	18*
* 6045VT2PRO	18*
* 6224-3120EZR	18*,17*
6285VT2PRO	18
6477VT2PRO	18
* EX103VT2PRO	18*
EX113GTCBLLRW	16
EX114RRLFY	16
* EX3695VT2Pro	17*
EX4067VT2Pro	17
* EX6187VT2ProDG	17*
* EX6267VT2Pro	17*
* LH4529SS	16*
LH4727VT2PRORIB	17

Table 23 (continued). Comparisons over time of all hybrids tested between 2018 and 2016. 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
* LH5215VT2PRO	16*
* LH5335SS	16*
* LH5335VT2Pro	17*
* LH5635VT2Pro	17*
* LH5715VT2PRO	16*
* LH6175VT2PRO	16*,15*
LH6425VT2Pro	17
Legacy Seeds	
L2516	16
* L2735	16*
L2817	17
L2817(RIB)	18
* L2836	17*
L2847	18,17
L2916	17,16
* L2924	16,15*
* L2937	17*
L2937(3120EZ)	18
* L3017	18*,17*
L3115	18
* L3115(RIB)	17*,16*,15
L3117	18
* L3335	17*,16*
L3416	17,16
* L3517	17*
* L3517(RIB)	18*
* L3537	18*
L3617	18
L3626	17
* L3715	17,16*
* L3718	18*
L3816	17
L3916	17
L4315	16
L4317	17
* L4433(3011)	16,15*,14*
L4433(3122EZ)	18
L4445	16
* L5217	18*
* L5350	18,17*,15*,14*
L5418	18
* L5516	18,17*,16*
* L5914	16,15*
* L6047	17*
* L6334	17*,16*
* L6827	17*
L6838	18
L6918	18
L6937	18
* L7236	18,17*

Brand Hybrid	Year(s) tested
Legend Seeds	
JSC30J711	18
JSC40J684RR	18
JSC40J704RR	18
* JSC47J104-3122	18,17,15*,14
* JSC47J988-3120	18*
LR30J685	16
LR9405GENSSRIB	16,14
* LR9492VT2PRIB	17,16*
* LR94A01-3011A	18*,17*,16*
* LR9583VT2PRIB	16,15,14*
LR9600GENSSRIB	18
LR9600VT2PRIB	16
LR9608GENSSRIB	17,16
LR9611GENSSRIB	16
* LR9691VT2PRIB	18*,16*
LR9697GENSSRIB	16
LR9701GENSSRIB	18,16
LR9701VT2PRIB	17
LR9794GENSSRIB	16
LR9798VT2PRIB	17
LR97A89-3011A	16
LR97S00GENSSRIB	16
* LR97S05GENSSRIB	16*
* LR9804GENSSRIB	18*,17*
LR9806GENSSRIB	17
* LR9809VT2PRIB	18*,17
LR9811VT2PRIB	18
LR9882VT2PRIB	18
* LR9891VT2PRIB	17*
* LR9895VT2PRIB	18,17*
LR9897VT2PRIB	18
LR9907GENSSRIB	18
LR9910GENSSRIB	18
LR9912GENSSRIB	18
LR9996-3120	18
LR9999VT2PRIB	18
Longping	
LP15M-EX1972	16
LP15M-EX2159	16
LP15M-EX2216	16
LP15M-EX2218	16
LP15M-EX2241	16
LP15M-EX2243	16
LP15M-EX2248	16
LP15M-EX2253	16
Masters Choice	
* MC4050	16*
* MC4630	16,15*

Brand Hybrid	Year(s) tested
MC4880	16
* MC5250	16*,15*,14*
* MC5790	18*
* MCT2552 VIP3110	18*,17
MCT3223	16
* MCT3891 GT	18,17,16*
* MCT4054	16*,14
* MCT4211	16*,15*,14*
* MCT4572 VIP3110	18,17*,16
* MCT4632 VIP3110	18*,17*,16*
* MCT4884	16*,14*
MCT4934 VIP3111	18
* MCT5371	17*,16*,15*
* MCT5454 VIP3111	18*,17*,16*
* MCT5663	16*,14
* MCT6153	16*,15,14*
MCT6363	17,16
MCT6552 VIP3110	18
* MCT6583	16,15*,14
MCT6653	17
MCT6733	16,15
Munson	
4309VT2PRIB	16,15
4417-3011	17
4417GT	18
4605VT2P	17
4654-3011A	16,15
4672VT2P	16,15
4808VT2P	16
* 4821RR	18*
* 4830-3120EZ	18*
* 4877-3010	17*,16*
5011RR	16
* 5016VT2P	18*,17,16*,15*
* 5050	16,15*
5204-3010	18,17
5286VT2P	17,15,14
5359-3110A	18,16,15
* 5456VT2P	18*
* 5581VT3PRIB	16,15*,14
5639VT2P	16
* 5695VT2P	18*,17*
* 5710VT2P	18*,17*
* 5865SS	17*
5896VT2P	16
* 6029VT2P	17*
* 6035VT2P	18*
* 6048SSRIB	16,14*
6143-GTA	16,15
6253SS	17,15

Brand Hybrid	Year(s) tested
* 6275VT2P	17*
6434SS	17
* 6434VT2P	16*
* 6699SS	17,16*
* 6819SS	17*
6869	17
6940-3110	17
6978VT2P	17,16
7084SS	16
7091VT2P	17
Mycogen	
2A627	16,14
MY01C77RA	16
MY87B11	16
TMF06S67RA	16,15
* TMF09S97	16*
TMF2H708RA	16
TMF2Q419	16
* TMF94L37	16*
TMF99Q47RA	16
X13526VH	16
NK Brand	
N17R-3010A	16
N18Q-3011A	17,16,15
N19D-3110A	16
* N22S-3010	16*
* N27P-3110A	18*,17*,16*
* N35T-3110	17*,16*,15*,14*
* N36G-3120	17*,16*
* N40L-3000GT	18*,17*,16*
* N45P-3011A	16,15*,14*
* N45P-3122	17*,16*
N46T-3010	16
N50D-3010	16
N59B-3122	16
* N63R-3122	17,16*
* N66V-3122	17*
N69D-3000GT	17
* NK0142-3120	17*
* NK0330-3120	18*
* NK0440-3010	18*
* NK0602-3010	18*
* NK0624-3220	18*
NK0763-3010	18
NK0968-3111	17
* NK1066-3122	18*
* NK1284-3220	18*
NK8618-3011A	18
NK8881-3010A	18

Table 23 (continued). Comparisons over time of all hybrids tested between 2018 and 2016. 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
* NK8920-3120	17*
NK9227-3220A	18
NK9495-3110A	17
* NK9505-3110	18*
NK9535-3220EZ1	18
* NK9738-3110	18*,17*
NK9813-3000GT	18
NK9852-3010	18
NS100-464	16
NS100-531	16
NS102-168	16
NS104-167	16
NS106-526	16
* NS96-103	16*
NS96-421	16
NuTech/G2 Genetics	
* 5D906	17*
* 5F091	16,14*
* 5F196	17*,16*,15*
* 5F308	17*,16*
* 5F503	17*,16*
* 5F504	17*,16*
* 5F510	17*,16*,15
* 5F601	17*,16*
* 5F701	17*,16*
* 5F702	17,16*
* 5F709	17,16,15*,14*
* 5F713	17*,16*
* 5F811	17*,16*,14*
* 5F906	16*
* 5FB1010	17*
5FN5096	17
5FN6097	17
5FN7099	17
* 5H502	17*,14*
* 5H502(AM)	16*,15*
* 5H806	17*,16*,15*,14*
* 5L198	16*
X5FN9502	17
X5LN-0308	17
* X5Z1001	16*
X5Z9501	16
X5Z9902	16
O'Brien Hybrids	
OB1101	18
* OB1104	18,16*
OB1105	16
* OB1108	17*,16
OB1109	18

Brand Hybrid	Year(s) tested
OB1165	16
OB3106GT	16
OB3108GT	16
OBX095GT	16
OBX107	16
* OBX1103	17,16*
OBX1106	18
OBX1107	18
* OBX112	17*
OBX87	17
OS110	17
Organic	
* UW Check B	16*,15*,14*
* UW Check C	16,15,14*
* UW Check C-HW	16,15,14*
* UW Check D	18*,17*
* UW Check D-HW	18*,17*
PIP	
3489	16
3685	16,15
3784	17
3790	16
3888	18
3890	17
* 4400	16,15*,14*
* 4595(GT)	16*
4597GTCBLL	16
* 4693	18,16*,15*
4791	17
4796	18,17
* 4894	18,17*
4897	18
5601	16
5701	17
5702	17
5704	17
5706	17
5708(3000GT)	17
* 5708(3220EZ)	18*
* 5803	18*
5805	18
5806	18
* 8610	16*
* 8708	16*
Power Plus	
1G48AMXT	16
* 1N07AMXT	18*
* 1S26AMXT	16,15*

Brand Hybrid	Year(s) tested
* 2B77AMXT	17,16*
* 2R63R	16*
* 2Y06AM	18*,17,16*
* 3H85	17,16*
* 4A67AMXT	18*
* 4J95AMX	17,16*,15*,14*
* 5C17	17*,16*,15*,14*
* 6P73	17*
9U13AM	18
* X4A67AM	17*
Prairie Hybrids	
* 2730	16*,15*
3081	18
* 3415	18*,17*,16*
* 418	18*
* 4711	18*
* 4718	18*,17*
* 5200	18*,17*,16*,15*,14*
* 6212	18*,17*
* 7204	17*,15,14*
* 7355	18*
* 8229	17*,16*,14*
* 8759	18*
ProHarvest	
2505RR2	17,16,15,14
4203VT3PRIB	17,16
* 4255RR2	17,16*
* 4255STAXRIB	18,16*
* 4340VT2P	18*
* 4511RR2	17,16,15*
4545RR	18
4777SXRIB	17,16
4825SXRIB	18,17,16
6030VT2RIB	18
* 6101STAXRIB	16,15,14*
6163SXRIB	17
6333STAXRIB	18,16,15
* 6338SXRIB	17*,16
6420SXRIB	18,17
* 6444STAXRIB	17*,16*,15*,14*
X16321	17
* X17451VT2P	18*,17*
X18320	18
* X18473VT2P	18*
Project Seeds	
8978GT	18
* PS8823GTCBLL	18*
PS8922GT	18

Brand Hybrid	Year(s) tested
PS90	18
PS96	18
* PS98GT	18*
Renk	
* 6-798VT2P	17*,16
7-637	17
* 7-726SSTX	18*
* 8-536VT2P	18*
* 8-593SSTX	18*
RK264RR	18
RK264VT2P	17
RK266VT3P(RIB)	16,15,14
* RK287VT2P	18*,17
* RK299VT2P(RIB)	16,15,14*
* RK408RR	17*
* RK408VT2P	18,16*
* RK433RR	18*,17*
* RK433VT2P	16*
RK522SSTX	17,16,15,14
* RK566SSTX	17*,16*
* RK579DGVT2P	18*
RK587VT2P	18
* RK595SSTX	17*,16*
* RK596SSTX(RIB)	17,16,15,14*
* RK604SSTX	18*
* RK608DGVT2P	18,17*,16*
RK612SSTX	16,15
* RK629VT3P	17*,16*,15*,14*
* RK642SSTX	18,17*
RK675DGVT2P	17,16
RK680SSTX	17,16,15
* RK710DGVT2P	18*
* RK717SSTX	18*,17*,16*
* RK724RR	17*,16*
* RK737SSTX	18*
RK763VT2P	18
* RK776SSTX	17,16,15*,14
RK779SSTX	18
RK792SSTX	17,16
* RK810SSTX	16,15*
RK815SSTX	16
RK842SSTX	18,17
* RK859DGVT2P	18*
RK877DGVT2P	18
Spectrum	
3617	18
* 4046	18,17*
* 4130	17*,15*,14*
* 4216	17*,15

Table 23 (continued). Comparisons over time of all hybrids tested between 2018 and 2016. 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
4432	17
* 4725	17*,15*
* 5452	17*,15
* 6105	18,17*
* 6244	17*
Steyer Seeds	
10303SSRIB	16
10403SSRIB	16
* 10503SIRIB	16*,15*
* 11005GSSPRORIBC	16*
8601VT2PRO	16
8602GT3000	16,15
9203VT2PRO	16
9204VT2PRO	16
9301SSRIB	16
9302	16
* 9401	17*
* 9401SSRIB	16,15*
* EXPJ1005W	16*
STAX61031TM	16
* WEXP10137	17*
* WEXP10537	17*
* WEXP10637	17*
WEXP10889	17
WEXP10937	17
Terning Seeds	
TS8150-3011A	17
* TS8199GENVT2PRIB	17*
TS8249GENVT2PRIB	17

Brand / Hybrid	Year(s) tested
Titan Pro	
TP53-03-2P	17
TP54-98 2P	16
* TP58-01 2P	16*
TP59-08 SS	16
* TP61-94-3110A	16*
TP65-90 2P	16
TP67-02 SS	16
TP71-98-2P	17
TP75-01SS	17
TP77-06SS	17
TP78-98SS	17
Tracy Seeds	
* T086-26A	18,17,16,15*
T089-29	18
T090-27	18
* T091-25(3000GT)	16,15*
T093-26A	18,17,16,15
T095-25(3000GT)	16
* T095-29	18*
T096-25 (GT)	17
T098-26(Vip3110)	16
* T102-14 (3000GTA)	17*,16*,15
T102-14(3011A)	18
T102-26(Vip3122RIB)	16
T102-29	18
* T104-13 (3000GT)	18*,17*,16,15
T104-14(Vip3122EZ)	18,15
* T104-26 (3122EZ)	18*,17*
T106-11	18
T106-11GT	16,14

Brand / Hybrid	Year(s) tested
T107-25 (3220)	17
T107-25(3000GT)	16,15
* T108-26 (3111)	18,17,16*,15
T111-E2	18
* T112-25(3000GT)	16*
UW	
* UW43	17*
UW44	17
Viking	
42-05	18
* 42-92	18*,17
44-98	18
46-96	18
* 48-08GS	18*
* 51-04GS	18*
* 51-95UNT	16*,15,14*
* 53-12GS	18*
55-02	18
* 71-90GS	18*
* 90-91UNT	17*,15
O.24-95N	16,14
* O.31-92N	16*
* O.33-95LF	17*
* O.34-00LF	17*
O.35-09LF	17
O.35-99N	16,15,14
* O.42-92GS	16*
* O.51-04GS	17*,16*
O.58-85UP	18
* O.58-98GS	16*

Brand / Hybrid	Year(s) tested
* O.58-98N	16,15,14*
* O.68-06P	18*
* O.69-99	18,17*
O.69-99N	16
* O.71-90GS	17*
* O.71-90UP	18*
O.73-08GS	16
O.74-10GS	18,17
* O.79-00	17*
O.79-00P	18
* O.79-03N	16*
* O.79-99N	16*
* O.82-95	18*,17
* O.84-95UP	18*,17*
O.86-03UP	17
* O.88-91UP	17*
Wyffels	
W1968	16
W2198	16
* W2506	18*
W2618RIB	17
W3078RIB	18,17
* W3488	18*
* W4196RIB	18*,17*
W4796RIB	16
W4968RIB	16,15
W5448RIB	17
W5518	18
W6198	16
W6946DGRIB	16

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