



Wisconsin Winter Wheat Performance Trials 2015

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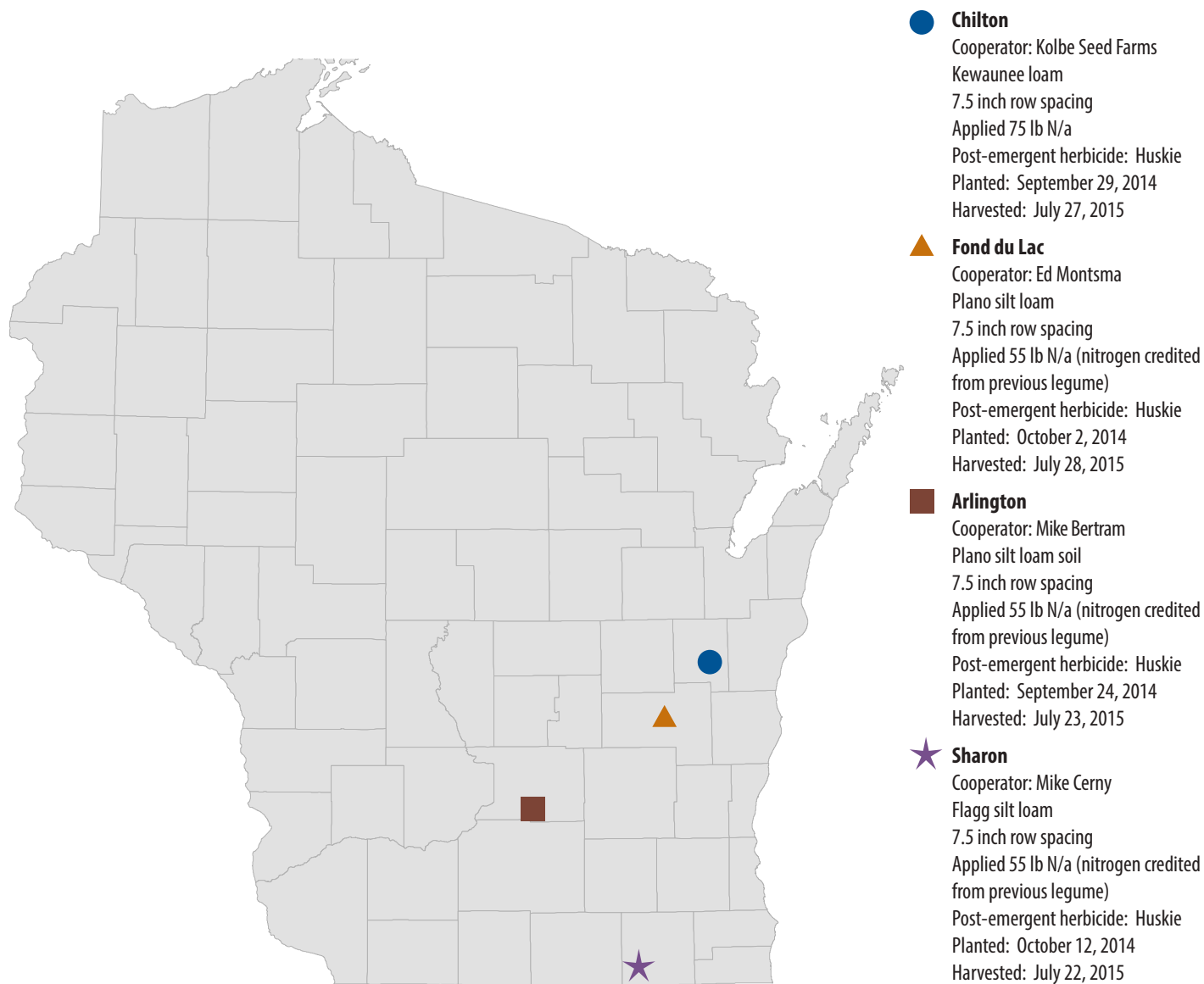


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The Wisconsin Winter Wheat Performance Trials are conducted each year to give growers information to select the best-performing varieties that will satisfy their specific goals. The performance trials are conducted each year at four locations in Wisconsin: Arlington, Chilton, Fond du Lac, and Sharon. Trials include released varieties, experimental lines from University breeding programs, and lines from private seed companies. The primary objective of these trials is to quantify how varieties perform at different locations and across years. Growers can use this data to help select which varieties to plant; breeders can use performance data to determine whether to release a new variety.

2015 Year in Review

Acres and Growing Conditions

Wisconsin saw a 17% decrease in winter wheat acres planted (245,000) in the 2014 -2015 growing season compared to the previous year. 230,000 acres are forecasted to be harvested, compared to 250,000 in 2014. Despite poor establishment due to late planting and poor snow cover coupled with cold temperatures, winterkill was relatively isolated. The forecasted yield for the 2015 crop is 72 bu/A, up 7 bu/A from last year. Wheat establishment in the fall of 2014 was a challenge due to late plantings. Wheat germinated late and had poor tiller development prior to winter dormancy. This led to some thin spring stands and weed control problems. Wheat broke dormancy in April and continued to progress one to two weeks ahead of normal through heading. Frequent rainfall events delayed or prohibited many operations to the wheat crop including spring nitrogen, herbicide, and fungicide applications.

Overall, winter wheat yield and test weights were average in 2015. Wheat yields at the Arlington, Chilton, Fond du Lac, and Sharon locations averaged 107, 112, 98, and 88 bu/A, respectively. (Source: USDA National Agricultural Statistics Service (www.nass.usda.gov))

Diseases

Statewide Fusarium head blight (FHB or scab) (*F. graminearum*) was the most widespread disease in 2015. At the Sharon location some plots had high (>20%) incidence of FHB with average severity ratings on heads near 50%. Leaf rust was present on some varieties in Sharon, but mostly 10% or less severity on flag leaves. Stagnospora/Septoria (*Septoria spp.*) leaf blotch was also present and variable depending on variety at this site. In Arlington, Fond du Lac, and Chilton, FHB incidence was lower and more variable than in Sharon, although some FHB could be found in most plots. Stripe rust (*P. striiformis*) was the predominant disease at the Arlington location, while leaf rust (*P. triticea*) was more common at the Fond du Lac and Chilton locations. Stripe rust at the Arlington location nearly defoliated all plants in some plots. Cephalosporium stripe (*C. gramineum*) was identified in some plots at the Fond du Lac trial site. Powdery mildew (*E. graminis*) was nearly non-existent at all locations for the third year in a row.





Using This Data to Select Top-Yielding Varieties

As with any crop, variety selection is the most important factor to consider in maximizing winter wheat yield and profitability. When choosing a winter wheat variety, several factors must be considered. These include winter survival, insect and disease resistance, heading date, lodging, test weight, and most importantly, yield. Since no variety is ideal for every location, it is important to understand the crop environment and pest complex that affects your specific region to maximize yield.

► **Yield** is based on the genetic potential and environmental conditions in which the crop is grown. Therefore, by diversifying the genetic pool that is planted, a grower can hedge against crop failure. Select those varieties that perform well not only in your area but across experimental sites and years. This will increase the likelihood that, given next year's environment (which you cannot control), the variety you selected will perform well. (Table 2 gives an overview of yields across all locations.)

► **Test weight** is also an important factor to consider when selecting a variety. The minimum test weight to be considered a U.S. #2 soft red winter wheat is 58 lb/bu. Wheat at lower test weights will be discounted. Both environment and pests may greatly affect test weight; therefore, selecting a variety that has a high test weight potential in your region is critical to maximizing economic gain.

► Select a variety that has the **specific disease resistance** characteristics that fits your needs. By selecting varieties with the appropriate level of resistance, crop yield loss may be either reduced or avoided without the need of pesticides. Careful management of resistant cultivars through crop and variety rotation are required to ensure that these characteristics are not lost.

► **Plant height and lodging potential** are also important varietal characteristics that may be affected by your cropping system. If the wheat crop is intended for grain only, it may be important to select a variety that is short in stature and has a low potential for lodging. This may decrease yield loss due to crop spoilage and harvest loss as well as increase harvesting rate. However, if the wheat crop is to be used as silage or is to be harvested as both grain and straw, then selecting a taller variety may be warranted.

Experimental Procedures

At Planting

Site details: Summarized in front cover image.

Seedbed preparation: Conventional and no-till methods.

Seeding rate: 1.5 million seeds per acre.

Seed treatments: Identified in Table 1.

Fertilizer and herbicides: Nitrogen was applied in spring according to UWEX recommendations. Phosphorus and potassium were applied as indicated by soil tests. Herbicides were applied for weed control as necessary.

Planting: A grain drill with a 9 row cone seeder was used to plant the plots, all 25 feet in length. To account for field variability and for statistical analysis, each variety was grown in four separate plots (replicates) in a randomized complete block design at each location.

Midseason

Disease assessments: Foliar disease assessments were made at all trial locations during June at Feekes 11.1 (kernels milky ripe). Assessments were made in the field by visual estimation of incidence (number of plants with symptoms) and average severity (magnitude of damage on plants with symptoms) across the plot using pre-made rating scale diagrams generated using the Severity. Pro software (F. Nutter, Iowa State University). Fusarium head blight assessments were made at all trial locations at the same time as foliar assessments. Entire plots were visually assessed for Fusarium head blight incidence and severity using pre-made rating scale diagrams.

Harvest

Yield: The center seven rows of each plot were harvested with a self-propelled combine. Grain was weighed and moisture and test weight were determined in the field using electronic equipment on the plot harvester. Yield is reported as bu/A (60 lb/bu) at 13.5% moisture content.

Lodging: Lodging scores were based on the average erectness of the main stem of plants at maturity. 1 = all plants erect, 2 = slight lodging, 3 = plants lodged at 45° angle, 4 = severe lodging, 5 = all plants flat.

Data Presentation

Yield: Listed in Tables 2-5. Data for both 2014 and 2015 are provided if the variety was entered in the 2014 trials.

Least significant difference: Variations in yield and other characteristics occur because of variability in soil and other 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 may have occurred by chance.

Growers can use the appropriate least significant difference (LSD) value at the bottom of the tables to determine true statistical differences. Where the difference between two selected varieties within a column is equal to or greater than the LSD value at the bottom of the column, there is a real difference between the two varieties in nine out of ten instances. If the difference is less than the LSD value, there may still be a real difference, but the experiment has produced no evidence of it. Data that is not significant is indicated by NS.

Table 1. 2015 Company Information

AgriMAXX	AgriMAXX Wheat Company	(855) 629-9432	www.agrimaxxwheat.com
Diener	BioTown Seeds	(219) 984-6038	www.biotownseeds.com
DuPont Pioneer	DuPont Pioneer	(507) 625-3045	www.pioneer.com
Dyna-Gro	Dyna-Gro Seed	(608) 752-2633	www.dynagroseed.com
Equity Seed	Direct Enterprises	(317) 867-2238	www.go2dei.com
FS Seed	Growmark, Inc.	(309) 557-6399	www.fsseed.com/midwest
Jung	Jung Seed Genetics	(800) 242-1855	www.jungseedgenetics.com
Kratz Farms	Kratz Farms, LLP	(262) 644-9426	www.kratzfarms.com
L&M Brand	Ag Pro Enterprises	(920) 904-1758	
L-Brand / Ag Pro	Ag Pro Enterprises	(920) 904-1758	www.limagraincerealseeds.com
L-Brand / Van Treeck's	Van Treeck's Seed Farm	(920) 467-2422	www.limagraincerealseeds.com
L-Brand / Welter	Welter Seed and Honey Company	(563) 485-2762	www.welterseed.com
Legacy	Legacy Seeds Inc.	(715) 467-2555	www.legacyseeds.com
MSU	Michigan State University	(517) 355-0142	
PiP	Partners in Production	(877) 476-7333	www.pipseeds.com
Pro Seed Genetics	Pro Seed Genetics Cooperative	(920) 388-2824	
Public	WI Foundation Seeds	(608) 262-9954	www.wisconsinfoundationseeds.wisc.edu
Syngenta	Syngenta AgriPro	(765) 412-5420	www.agriprowheat.com
Van Treeck's	Van Treeck's Seed Farm	(920) 467-2422	
VCIA / VA Tech	Virginia Crop Improvement Association / VA Tech	(804) 746-4884	www.virginiacrop.org

Table 2. 2015 Entered Varieties and Seed Treatments

Brand	Variety	Seed Treatment(s)
AgriMAXX	413	Cruiser 5FS, Maxim, Vibrance Extreme
	438	Cruiser 5FS, Maxim, Vibrance Extreme
	444	Cruiser 5FS, Maxim, Vibrance Extreme
	446	Cruiser 5FS, Maxim, Vibrance Extreme
	447	Cruiser 5FS, Maxim, Vibrance Extreme
	Exp 1555	Cruiser 5FS, Maxim, Vibrance Extreme
Diener	D492W	Cruiser 5FS, Vibrance Extreme
	D512W	Cruiser 5FS, Vibrance Extreme
	D491W	Cruiser 5FS, Vibrance Extreme
	D496W	Cruiser 5FS, Vibrance Extreme
DuPont Pioneer	25R25	Gauche, Vibrance Extreme
	25R34	Gauche, Vibrance Extreme
	25R40	Gauche, Vibrance Extreme
	25R46	Gauche, Vibrance Extreme
	25R50	Gauche, Vibrance Extreme
Dyna-Gro	9223	Awaken ST, Foothold Extra
	9522	Awaken ST, Foothold Extra
	9552	Awaken ST, Foothold Extra
Equity Seed	Butler	imidacloprid, tebuconazole
	Guardian	imidacloprid, tebuconazole
FS Seed	FS 602	CruiserMaxx Vibrance
	FS 622	CruiserMaxx Vibrance
	FS 624	CruiserMaxx Vibrance
	FS 625	CruiserMaxx Vibrance
	FS 615	CruiserMaxx Vibrance
Jung	5855	Cruiser 5FS, Vibrance Extreme
	5888	CruiserMaxx Vibrance
	5930	Cruiser 5FS, Vibrance Extreme
	Exp 1099	Cruiser 5FS, Vibrance Extreme
Kratz Farms	KF 15144	Nitro Shield, Vibrance Extreme
	KF 15188	Ascend, Cruiser 5FS, Vibrance Extreme
	KF 15241	Ascend, Cruiser 5FS, Vibrance Extreme
	KF 15314	Ascend, Cruiser 5FS, Vibrance Extreme

Brand	Variety	Seed Treatment(s)
L&M Brand	L&M 2123	SabrEx, Sativa IM
	L&M 7511	SabrEx, Sativa IM
L-Brand / Ag Pro	L-171	Cruiser 5FS, Vibrance Extreme
	L-203	Nitro Shield, Vibrance Extreme
	L-264	Nitro Shield, Vibrance Extreme
	L-304	Nitro Shield, Vibrance Extreme
	L-321	Nitro Shield, Vibrance Extreme
L-Brand / Van Treeck's	L-443	Vibrance Extreme
	L-241	Vibrance Extreme
L-Brand / Welter	L-334	Nitro Shield, Warden Cereals HR
Legacy	LW 1155	SabrEx, Sativa IM
	LW 1335	SabrEx, Sativa IM
	LW 1370	SabrEx, Sativa IM
	LW 1480	Cruiser 5FS, Maxim, Vibrance Extreme
	LW 1485	SabrEx, Sativa IM
MSU	F0036R	Vibrance Extreme
	F1026R	Vibrance Extreme
PiP	715	Charter, imidacloprid
	718	Charter, imidacloprid
	719	Charter, imidacloprid
	720	Charter, imidacloprid
	721	Charter, imidacloprid
	723	Charter, imidacloprid
	724	Charter, imidacloprid
	725	Charter, imidacloprid
	729	Charter, imidacloprid
	733	Charter, imidacloprid
	734	Charter, imidacloprid
	735	Charter, imidacloprid
	736	Charter, imidacloprid
	737	Charter, imidacloprid
	741	Charter, imidacloprid
	760	Charter, imidacloprid
	762	Charter, imidacloprid
	765	Charter, imidacloprid
	766	Charter, imidacloprid
	777	Charter, imidacloprid
	792	Charter, imidacloprid

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Table 2. 2015 Entered Varieties and Seed Treatments

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Brand	Variety	Seed Treatment(s)
Pro Seed Genetics	PRO 200	Bio-Forge, Macho 600ST, metalaxyl, tebuconazole
	PRO 240	Bio-Forge, Macho 600ST, metalaxyl, tebuconazole
	PRO 260	Bio-Forge, Macho 600ST, metalaxyl, tebuconazole
	PRO 320A	Bio-Forge, Macho 600ST, metalaxyl, tebuconazole
	PRO Ex 310	Vibrance Extreme
	PRO Ex 370	Vibrance Extreme
	PRO Ex 380	imidacloprid, Vibrance Extreme
	PRO 410	Bio-Forge, Macho 600ST
	PRO Ex 420	imidacloprid, Vibrance Extreme
	PRO Ex 430	imidacloprid, Vibrance Extreme
Public	Erie	Raxil MD
	Erie	Raxil MD
	Hopewell	metalaxyl, tebuconazole
	Kaskaskia	metalaxyl, tebuconazole
	Otsego	Raxil MD
	Red Devil Brand	Metastar, Rancona
	Red Dragon Brand	Vibrance Extreme
	Rocket	Vibrance Extreme
	Sunburst	Metastar, Rancona
Syngenta	SY 007	Cruiser 5FS, Vibrance
	SY 474	Cruiser 5FS, Vibrance
	SY 483	Cruiser 5FS, Vibrance
	SY 547	Cruiser 5FS, Vibrance
Van Treeck's	XL 334	Vibrance Extreme
VCIA / VA Tech	VA 11W-106	Foothold, Provoke ST, Storicide
	Hilliard	Foothold, Provoke ST, Storicide



Table 3. Combined 2015 Winter Wheat Performance Trial Results

Brand	Entry	2015 4-test average		Arlington		Chilton		Fond du Lac		Sharon		2014 3-test average¹
		Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)
AgriMAXX	413	* 104	59.2	110	59.7	* 119	61.1	98	58.9	87	57.0	* 103
AgriMAXX	438		102	56.6	104	57.7	111	56.4	98	* 93	55.4	100
AgriMAXX	444	* 104	59.3	* 115	61.1	115	59.9	103	59.2	84	57.0	--
AgriMAXX	446		103	59.7	109	61.0	114	60.8	102	86	57.2	--
AgriMAXX	447	* 104	58.4	* 112	59.8	* 121	59.4	97	58.8	85	55.9	95
AgriMAXX	Exp 1555		96	58.8	95	59.4	106	59.5	92	89	57.1	--
Diener	D491W	* 110	59.9	* 118	61.1	* 124	62.1	* 104	59.3	* 91	56.9	* 104
Diener	D492W	* 107	59.4	* 120	61.5	116	60.9	101	57.9	90	57.3	101
Diener	D496W		99	58.7	108	59.5	107	59.7	86	* 91	57.7	--
Diener	D512W		101	57.0	103	58.5	110	55.9	101	89	56.9	99
DuPont Pioneer	25R25		102	57.3	102	58.9	109	57.6	* 106	* 93	55.3	--
DuPont Pioneer	25R34	* 105	58.7	106	59.3	* 120	61.0	102	57.3	90	57.0	101
DuPont Pioneer	25R40	* 104	59.8	107	60.2	* 119	61.5	98	60.3	* 91	57.4	* 103
DuPont Pioneer	25R46		100	60.1	107	61.3	113	61.5	91	88	58.3	* 108
DuPont Pioneer	25R50		102	59.3	108	60.3	116	61.2	100	82	55.8	--
Dyna-Gro	9223		99	56.6	101	57.3	106	55.0	98	90	56.6	* 103
Dyna-Gro	9522	* 110	59.0	* 113	60.0	117	59.6	* 112	59.7	* 96	57.1	--
Dyna-Gro	9552	* 104	59.9	108	61.1	117	60.5	* 104	60.6	85	57.5	--
Equity Seed	Butler	* 107	59.2	* 117	61.5	* 124	60.7	* 106	59.9	81	55.0	--
Equity Seed	Guardian		102	59.1	108	60.2	* 120	58.9	94	86	57.8	93
FS Seed	FS 602	* 106	59.8	110	60.5	113	60.7	* 104	60.5	* 94	57.6	100
FS Seed	FS 615		103	59.0	102	59.5	114	60.1	* 105	89	57.4	--
FS Seed	FS 622		97	60.7	106	62.5	104	60.9	90	85	58.1	97
FS Seed	FS 624		103	60.5	104	61.1	111	60.9	* 104	* 92	59.1	--
FS Seed	FS 625		97	56.2	102	56.8	106	55.9	94	84	55.8	97
Jung	5855		96	57.9	101	58.1	104	57.9	92	86	57.0	100
Jung	5888	* 110	59.7	* 116	59.9	* 125	62.0	* 107	60.6	90	56.4	98
Jung	5930	* 105	59.7	107	60.6	* 123	60.0	102	60.9	88	57.6	96
Jung	Exp 1099		101	57.9	103	59.2	* 121	59.5	94	85	55.0	95
Kratz Farms	KF 15144		103	59.2	* 112	60.5	111	59.9	94	* 92	58.2	--
Kratz Farms	KF 15188		96	58.8	101	59.8	104	59.1	91	87	57.6	100
Kratz Farms	KF 15241	* 107	60.8	* 115	61.3	112	61.4	* 105	61.0	* 95	59.5	100
Kratz Farms	KF 15314		99	58.7	108	60.8	103	58.7	101	86	57.0	98
L&M Brand	L&M 2123	* 106	59.6	108	61.1	* 120	61.2	* 105	58.8	90	57.4	--
L&M Brand	L&M 7511		102	59.1	107	60.3	112	59.7	102	88	56.9	--
L-Brand / Ag Pro	L-171		95	61.3	101	61.5	103	62.3	89	84	59.6	--
L-Brand / Ag Pro	L-203	* 106	61.2	109	62.1	116	61.9	101	61.4	* 98	59.4	--
L-Brand / Ag Pro	L-264		98	60.7	105	61.7	107	61.3	86	* 91	59.6	--
L-Brand / Ag Pro	L-304		100	61.2	104	62.4	112	62.1	93	89	58.8	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹Three test sites included Arlington, Chilton, and Fond du Lac

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Table 3. Combined 2015 Winter Wheat Performance Trial Results

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Brand	Entry	2015 4-test average		Arlington		Chilton		Fond du Lac		Sharon		2014 3-test average ¹ Yield (bu/a)
		Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	
L-Brand / Ag Pro	L-321	101	59.0	103	59.1	105	60.3	100	59.7	* 95	57.2	--
L-Brand / Ag Pro	L-443	96	59.7	102	60.6	102	60.5	93	59.4	85	58.4	--
L-Brand / Van Treeck's	L-241	101	59.7	105	60.8	108	60.4	99	59.1	* 92	58.6	102
L-Brand / Welter	L-334	102	60.1	* 113	61.4	110	59.4	101	61.0	84	58.9	--
Legacy	LW 1155	* 104	59.0	107	60.0	114	59.7	* 104	60.0	90	56.6	102
Legacy	LW 1335	96	60.3	101	61.1	102	59.8	93	61.2	87	59.2	102
Legacy	LW 1370	102	59.8	107	61.5	113	60.5	102	60.5	85	57.0	96
Legacy	LW 1480	* 106	61.2	* 117	63.1	111	62.0	101	60.6	* 93	59.0	* 106
Legacy	LW 1485	* 109	60.0	* 116	60.8	* 120	60.7	* 108	60.2	* 91	58.3	* 105
MSU	F0036R	94	56.6	97	57.5	104	57.6	96	57.4	80	54.1	--
MSU	F1026R	100	59.7	99	59.9	116	61.3	97	60.3	86	57.5	--
PiP	715	* 106	60.7	111	62.0	* 119	61.4	* 104	60.4	* 91	58.8	--
PiP	718	* 107	61.7	* 116	61.7	117	63.0	* 106	62.6	88	59.7	--
PiP	719	* 106	60.3	* 112	61.0	112	60.8	* 105	60.8	* 95	58.7	--
PiP	720	* 104	59.1	* 115	60.7	* 122	59.7	91	59.2	87	57.1	--
PiP	721	103	57.1	105	58.6	112	56.1	103	58.0	* 93	55.9	* 104
PiP	723	102	59.3	104	60.5	114	61.1	* 105	58.9	85	56.7	--
PiP	724	103	59.3	107	60.5	* 120	60.7	100	59.6	84	56.6	--
PiP	725	103	61.6	105	62.9	112	62.3	100	61.5	* 95	59.7	--
PiP	729	102	59.8	* 113	61.6	114	59.4	90	60.0	89	58.3	101
PiP	733	101	58.5	106	59.3	106	57.6	94	59.5	* 97	57.8	102
PiP	734	* 105	60.8	* 115	62.7	117	60.7	97	60.2	89	59.5	* 103
PiP	735	* 110	59.7	* 119	60.6	* 125	61.0	101	58.9	* 93	58.1	* 109
PiP	736	* 104	58.5	103	58.7	* 118	59.7	* 106	58.6	89	57.0	* 105
PiP	737	* 104	60.9	* 119	62.6	104	60.6	101	61.1	* 92	59.4	* 106
PiP	741	* 107	59.9	110	60.4	* 118	61.2	102	60.2	* 95	57.9	* 106
PiP	760	97	57.0	110	59.7	110	56.3	90	57.2	75	54.9	* 103
PiP	762	100	58.2	110	58.8	113	58.6	98	59.0	81	56.5	--
PiP	765	101	59.7	106	61.3	113	60.2	97	60.9	86	56.5	--
PiP	766	99	57.1	107	58.9	106	57.2	96	56.4	85	56.0	* 104
PiP	777	98	59.0	98	58.6	103	59.4	97	59.5	* 94	58.5	--
PiP	792	103	60.3	111	61.2	112	61.1	98	59.6	90	59.3	* 103
Pro Seed Genetics	PRO 200	93	60.6	97	61.2	102	60.9	91	61.1	81	59.3	93
Pro Seed Genetics	PRO 240	95	59.2	92	58.7	109	61.1	91	60.1	87	57.2	98
Pro Seed Genetics	PRO 260	101	57.5	* 118	60.0	105	56.2	90	57.3	87	56.3	100
Pro Seed Genetics	PRO 320A	* 104	59.3	* 116	60.7	112	60.4	96	59.3	* 91	57.0	* 103
Pro Seed Genetics	PRO 410	100	59.7	* 112	61.8	106	60.3	97	59.3	85	57.4	100
Pro Seed Genetics	PRO Ex 310	95	57.8	103	59.0	100	57.3	93	58.5	82	56.6	95

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹Three test sites included Arlington, Chilton, and Fond du Lac

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Table 3. Combined 2015 Winter Wheat Performance Trial Results

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Brand	Entry	2015 4-test average		Arlington		Chilton		Fond du Lac		Sharon		2014 3-test average ¹ Yield (bu/a)
		Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	Yield (bu/a)	Test wt. (lb/bu)	
Pro Seed Genetics	PRO Ex 370	101	57.4	* 115	59.0	114	57.3	82	57.1	* 91	56.0	100
Pro Seed Genetics	PRO Ex 380	102	61.4	* 112	62.6	* 122	62.8	85	60.7	88	59.5	100
Pro Seed Genetics	PRO Ex 420	94	60.5	88	60.2	105	61.0	95	62.6	86	58.5	--
Pro Seed Genetics	PRO Ex 430	103	61.7	111	62.1	109	62.0	* 104	62.4	88	60.4	--
Public	Erie	92	58.6	96	60.4	109	57.9	88	59.0	77	56.9	--
Public	Hopewell	89	58.5	94	59.6	95	59.1	86	59.2	79	56.3	94
Public	Kaskaskia	93	60.4	100	61.9	101	60.9	89	59.6	81	59.4	100
Public	Otsego	86	56.4	83	56.8	84	55.0	91	57.9	84	56.1	94
Public	Red Devil Brand	* 104	60.0	110	61.0	110	60.1	99	60.8	* 97	58.4	99
Public	Red Dragon Brand	95	58.2	98	58.8	105	58.5	92	59.3	84	56.3	98
Public	Rocket	103	57.5	* 117	59.3	108	57.5	94	58.8	* 91	54.7	--
Public	Sunburst	99	61.9	109	63.2	110	62.6	93	62.0	85	59.8	95
Syngenta	SY 007	* 105	59.8	111	61.3	110	60.1	103	60.1	* 95	57.9	--
Syngenta	SY 474	* 104	59.5	111	60.6	* 120	60.7	93	59.9	89	57.0	101
Syngenta	SY 483	* 104	57.9	106	58.2	* 120	59.4	* 104	58.5	88	55.7	* 105
Syngenta	SY 547	* 109	60.3	* 116	62.1	* 124	60.5	* 105	60.6	90	58.3	--
Van Treeck's	XL 334	99	60.3	102	61.3	106	61.2	92	58.9	* 93	59.4	101
VCIA / VA Tech	Hilliard	103	59.7	* 113	59.9	115	60.0	99	59.8	84	59.0	--
VCIA / VA Tech	VA 11W- 106	* 104	60.4	111	62.1	117	62.5	99	59.9	87	57.2	--
Mean		101	59.3	107	60.4	112	59.9	98	59.6	88	57.5	100
LSD (.10)		6	1.0	8	1.2	7	1.6	8	1.8	7	1.1	6

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹Three test sites included Arlington, Chilton, and Fond du Lac

Table 4. Arlington 2015 Winter Wheat Performance Trial Results

		2015 means										2014 means	
Brand	Entry	Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust I% ¹ S% ²		Stripe rust I% ¹ S% ²		FHB ³ I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	110	59.7	35	1.0	6	6	0	0	3	10	101	59.0
AgriMAXX	438	104	57.7	39	1.0	78	31	0	0	10	17	103	57.6
AgriMAXX	444	* 115	61.1	39	1.0	8	10	0	0	12	11	--	--
AgriMAXX	446	109	61.0	37	1.0	15	15	0	0	8	12	--	--
AgriMAXX	447	* 112	59.8	39	1.3	1	1	1	1	11	15	94	54.8
AgriMAXX	Exp 1555	95	59.4	39	1.3	73	20	63	29	1	1	--	--
Diener	D491W	* 118	61.1	36	1.0	18	4	23	8	4	21	102	60.2
Diener	D492W	* 120	61.5	39	1.0	1	1	25	13	2	25	100	58.8
Diener	D496W	108	59.5	37	1.3	2	3	0	0	1	1	--	--
Diener	D512W	103	58.5	39	1.0	66	31	1	1	3	7	96	53.9
DuPont Pioneer	25R25	102	58.9	37	1.0	26	15	0	0	3	3	--	--
DuPont Pioneer	25R34	106	59.3	40	1.0	14	14	0	0	16	21	96	55.8
DuPont Pioneer	25R40	107	60.2	36	1.3	10	15	8	13	9	19	105	59.7
DuPont Pioneer	25R46	107	61.3	39	1.0	26	16	64	43	1	16	* 111	61.9
DuPont Pioneer	25R50	108	60.3	36	1.0	0	0	15	7	2	13	--	--
Dyna-Gro	9223	101	57.3	39	1.3	39	29	0	0	15	14	101	54.2
Dyna-Gro	9522	* 113	60.0	40	1.0	19	10	0	0	10	16	--	--
Dyna-Gro	9552	108	61.1	37	1.0	20	23	0	0	13	10	--	--
Equity Seed	Butler	* 117	61.5	39	1.0	0	0	1	1	9	16	--	--
Equity Seed	Guardian	108	60.2	40	1.0	0	0	50	24	2	17	95	56.6
FS Seed	FS 602	110	60.5	37	1.0	1	1	3	1	2	21	102	59.0
FS Seed	FS 615	102	59.5	38	1.0	13	15	1	3	4	7	--	--
FS Seed	FS 622	106	62.5	36	1.0	9	8	1	1	3	3	94	60.9
FS Seed	FS 624	104	61.1	38	1.5	33	11	0	0	8	8	--	--
FS Seed	FS 625	102	56.8	39	1.5	55	36	3	3	5	13	98	54.7
Jung	5855	101	58.1	42	1.0	68	34	2	3	12	16	105	57.0
Jung	5888	* 116	59.9	40	1.0	0	0	0	0	9	11	89	55.7
Jung	5930	107	60.6	41	1.0	0	0	67	38	8	9	94	57.0
Jung	Exp 1099	103	59.2	40	1.0	1	3	0	0	18	17	91	54.9
Kratz Farms	KF 15144	* 112	60.5	39	1.0	45	14	29	14	4	6	--	--
Kratz Farms	KF 15188	101	59.8	43	1.8	35	12	25	13	11	31	101	59.4
Kratz Farms	KF 15241	* 115	61.3	40	1.0	1	1	33	14	4	10	95	59.9
Kratz Farms	KF 15314	108	60.8	42	1.0	28	14	0	0	12	44	94	55.6
L&M Brand	L&M 2123	108	61.1	36	1.0	8	5	28	20	1	8	--	--
L&M Brand	L&M 7511	107	60.3	36	1.0	0	0	0	0	1	13	--	--
L-Brand / Ag Pro	L-171	101	61.5	39	1.0	25	23	23	10	15	17	--	--
L-Brand / Ag Pro	L-203	109	62.1	39	1.5	0	0	38	22	9	23	--	--
L-Brand / Ag Pro	L-264	105	61.7	36	1.0	7	7	5	15	2	3	--	--
L-Brand / Ag Pro	L-304	104	62.4	40	1.5	43	15	10	5	3	8	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

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Table 4. Arlington 2015 Winter Wheat Performance Trial Results

continued from previous page

		2015 means										2014 means	
		Yield	Test wt.	Height	Lodging	Leaf rust		Stripe rust		FHB ³		Yield	Test wt.
Brand	Entry	(bu/a)	(lb/bu)	(in.)	(1-5)	I% ¹	S% ²	I% ¹	S% ²	I% ¹	S% ²	(bu/a)	(lb/bu)
L-Brand / Ag Pro	L-321	103	59.1	38	1.5	30	15	0	0	13	26	--	--
L-Brand / Ag Pro	L-443	102	60.6	40	1.5	46	26	0	0	2	28	--	--
L-Brand / Van Treeck's	L-241	105	60.8	39	1.5	11	10	23	8	2	2	102	60.0
L-Brand / Welter	L-334	* 113	61.4	39	3.0	3	2	0	0	1	4	--	--
Legacy	LW 1155	107	60.0	36	1.0	0	0	0	0	8	13	103	59.1
Legacy	LW 1335	101	61.1	40	2.0	26	15	55	25	3	3	98	58.7
Legacy	LW 1370	107	61.5	41	1.0	0	0	68	30	3	2	95	56.7
Legacy	LW 1480	* 117	63.1	38	1.0	0	0	5	5	1	1	104	62.3
Legacy	LW 1485	* 116	60.8	36	1.0	0	0	24	12	5	24	102	60.1
MSU	F0036R	97	57.5	33	1.0	3	5	2	8	11	20	--	--
MSU	F1026R	99	59.9	38	1.0	0	0	71	53	13	30	--	--
PiP	715	111	62.0	40	1.0	0	0	0	0	5	2	--	--
PiP	718	* 116	61.7	38	1.0	6	4	13	3	2	2	--	--
PiP	719	* 112	61.0	40	1.0	1	1	0	0	2	2	--	--
PiP	720	* 115	60.7	37	1.0	1	1	2	3	16	29	--	--
PiP	721	105	58.6	40	1.3	55	35	0	0	9	10	101	54.4
PiP	723	104	60.5	40	1.0	12	8	0	0	4	33	--	--
PiP	724	107	60.5	37	1.0	21	8	49	14	0	2	--	--
PiP	725	105	62.9	37	1.0	20	10	58	30	2	13	--	--
PiP	729	* 113	61.6	40	1.0	10	19	7	12	6	14	102	61.3
PiP	733	106	59.3	38	1.3	79	54	3	3	5	16	100	58.0
PiP	734	* 115	62.7	39	1.3	0	0	25	12	2	14	* 106	62.1
PiP	735	* 119	60.6	36	1.0	2	3	45	16	2	25	* 106	59.6
PiP	736	103	58.7	39	1.0	18	10	0	0	9	7	99	57.4
PiP	737	* 119	62.6	40	1.0	0	0	0	0	1	35	102	61.4
PiP	741	110	60.4	38	1.0	1	1	27	9	5	17	* 111	60.4
PiP	760	110	59.7	42	1.5	3	3	12	7	11	29	101	59.3
PiP	762	110	58.8	40	1.3	13	4	19	8	14	12	--	--
PiP	765	106	61.3	38	1.0	7	12	0	0	5	41	--	--
PiP	766	107	58.9	37	1.3	3	3	0	0	13	11	103	60.5
PiP	777	98	58.6	38	1.0	73	29	80	29	3	3	--	--
PiP	792	111	61.2	41	1.0	8	13	3	8	16	24	104	61.2
Pro Seed Genetics	PRO 200	97	61.2	42	1.8	4	7	75	43	4	11	89	57.5
Pro Seed Genetics	PRO 240	92	58.7	44	1.3	34	21	40	24	12	11	92	57.5
Pro Seed Genetics	PRO 260	* 118	60.0	38	1.0	0	0	0	0	17	34	101	56.4
Pro Seed Genetics	PRO 320A	* 116	60.7	45	1.0	1	1	0	0	7	15	104	59.9
Pro Seed Genetics	PRO 410	* 112	61.8	40	1.5	33	10	0	0	8	27	94	56.4
Pro Seed Genetics	PRO Ex 310	103	59.0	42	1.5	80	41	6	3	15	39	96	56.1

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

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Table 4. Arlington 2015 Winter Wheat Performance Trial Results

continued from previous page

Brand	Entry	2015 means										2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust		Stripe rust		FHB ³		Yield (bu/a)	Test wt. (lb/bu)
Pro Seed Genetics	PRO Ex 370	* 115	59.0	37	1.0	1	1	0	0	10	15	96	55.6
Pro Seed Genetics	PRO Ex 380	* 112	62.6	37	1.5	0	0	0	0	6	10	97	59.7
Pro Seed Genetics	PRO Ex 420	88	60.2	43	1.0	0	3	98	74	5	29	--	--
Pro Seed Genetics	PRO Ex 430	111	62.1	42	1.0	4	13	2	4	15	18	--	--
Public	Erie	96	60.4	40	1.0	3	1	60	13	14	6	--	--
Public	Hopewell	94	59.6	42	1.8	85	45	0	0	14	13	91	57.2
Public	Kaskaskia	100	61.9	42	1.0	0	0	16	7	14	38	98	60.6
Public	Otsego	83	56.8	42	2.0	33	14	78	49	21	6	96	59.0
Public	Red Devil Brand	110	61.0	41	1.0	13	13	1	1	10	25	100	61.4
Public	Red Dragon Brand	98	58.8	42	1.3	60	33	20	15	10	32	96	55.8
Public	Rocket	* 117	59.3	39	1.0	3	4	0	0	10	30	--	--
Public	Sunburst	109	63.2	37	1.0	9	13	5	6	6	16	100	61.0
Syngenta	SY 007	111	61.3	38	1.0	3	3	0	0	4	8	--	--
Syngenta	SY 474	111	60.6	40	1.0	9	8	0	0	6	20	95	58.3
Syngenta	SY 483	106	58.2	41	1.5	3	5	0	0	15	30	* 107	58.3
Syngenta	SY 547	* 116	62.1	41	1.0	0	0	8	6	8	24	--	--
Van Treeck's	XL 334	102	61.3	39	2.0	20	4	53	18	5	5	97	60.0
VCIA / VA Tech	Hilliard	* 113	59.9	39	1.0	0	0	0	0	5	9	--	--
VCIA / VA Tech	VA 11W-106	111	62.1	38	1.0	0	0	0	0	6	11	--	--
Mean		107	60.4	39	1.2	17	10	16	9	7	16	98	58.1
LSD (.10)		8	1.2	2	0.4	19	11	23	13	7	19	5	0.9

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

Table 5. Chilton 2015 Winter Wheat Performance Trial Results

Brand	Entry	2015 means										2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust I% ¹	Leaf rust S% ²	Stripe rust I% ¹	Stripe rust S% ²	FHB ³ I% ¹	FHB ³ S% ²	Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	* 119	61.1	36	1.0	5	5	0	0	1	1	105	58.1
AgriMAXX	438	111	56.4	40	1.5	64	19	0	0	5	5	101	56.3
AgriMAXX	444	115	59.9	38	1.0	11	9	9	6	3	5	--	--
AgriMAXX	446	114	60.8	36	1.0	16	11	0	0	4	9	--	--
AgriMAXX	447	* 121	59.4	39	1.0	0	3	0	1	5	11	96	55.5
AgriMAXX	Exp 1555	106	59.5	38	1.3	78	24	54	15	0	0	--	--
Diener	D491W	* 124	62.1	36	1.0	1	1	15	8	1	2	* 110	58.4
Diener	D492W	116	60.9	36	1.3	20	8	0	0	2	5	102	58.3
Diener	D496W	107	59.7	36	1.0	6	10	0	0	0	0	--	--
Diener	D512W	110	55.9	40	2.8	53	15	0	0	2	5	101	56.3
DuPont Pioneer	25R25	109	57.6	37	1.3	20	11	5	8	1	3	--	--
DuPont Pioneer	25R34	* 120	61.0	38	1.5	4	8	0	0	3	6	* 111	57.9
DuPont Pioneer	25R40	* 119	61.5	34	1.0	15	7	0	0	4	6	107	58.6
DuPont Pioneer	25R46	113	61.5	34	1.0	11	7	43	18	1	4	104	59.3
DuPont Pioneer	25R50	116	61.2	34	1.0	2	5	5	16	2	2	--	--
Dyna-Gro	9223	106	55.0	39	2.0	53	16	1	5	1	3	101	55.9
Dyna-Gro	9522	117	59.6	38	1.3	24	18	0	0	2	5	--	--
Dyna-Gro	9552	117	60.5	37	1.0	13	23	0	0	3	4	--	--
Equity Seed	Butler	* 124	60.7	39	1.0	1	1	0	0	4	6	--	--
Equity Seed	Guardian	* 120	58.9	41	1.0	0	0	30	13	1	1	95	58.7
FS Seed	FS 602	113	60.7	35	1.0	5	2	0	0	1	4	* 109	58.8
FS Seed	FS 615	114	60.1	38	1.0	28	11	5	4	3	3	--	--
FS Seed	FS 622	104	60.9	36	1.3	9	15	0	0	0	0	96	60.4
FS Seed	FS 624	111	60.9	39	1.3	50	8	0	0	1	3	--	--
FS Seed	FS 625	106	55.9	38	2.8	41	14	19	4	3	4	99	56.1
Jung	5855	104	57.9	42	1.3	70	21	0	0	4	10	100	56.4
Jung	5888	* 125	62.0	39	1.0	0	3	0	0	4	12	106	57.3
Jung	5930	* 123	60.0	39	1.0	0	0	51	17	1	1	97	59.0
Jung	Exp 1099	* 121	59.5	40	1.5	3	4	0	0	3	6	99	58.2
Kratz Farms	KF 15144	111	59.9	38	1.3	45	10	0	4	1	4	--	--
Kratz Farms	KF 15188	104	59.1	41	1.5	49	9	0	0	2	8	100	58.8
Kratz Farms	KF 15241	112	61.4	38	2.0	5	5	2	3	1	3	* 108	61.2
Kratz Farms	KF 15314	103	58.7	39	1.3	36	11	0	0	3	17	100	57.9
L&M Brand	L&M 2123	* 120	61.2	36	1.0	2	1	14	6	2	1	--	--
L&M Brand	L&M 7511	112	59.7	36	1.0	4	5	0	0	1	1	--	--
L-Brand / Ag Pro	L-171	103	62.3	39	1.5	1	2	32	13	2	2	--	--
L-Brand / Ag Pro	L-203	116	61.9	37	1.3	1	1	1	1	3	7	--	--
L-Brand / Ag Pro	L-264	107	61.3	34	1.0	1	1	3	1	1	4	--	--
L-Brand / Ag Pro	L-304	112	62.1	40	1.5	13	10	0	0	1	1	--	--
L-Brand / Ag Pro	L-321	105	60.3	36	1.8	90	18	0	0	5	8	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

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**Table 5. Chilton 2015 Winter Wheat Performance Trial Results***continued from previous page*

Brand	Entry	2015 means										2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust I% ¹	Leaf rust S% ²	Stripe rust I% ¹	Stripe rust S% ²	FHB ³ I% ¹	FHB ³ S% ²	Yield (bu/a)	Test wt. (lb/bu)
L-Brand / Ag Pro	L-443	102	60.5	38	1.0	3	11	0	0	0	0	--	--
L-Brand / Van Treeck's	L-241	108	60.4	38	1.0	19	16	13	3	0	0	104	60.5
L-Brand / Welter	L-334	110	59.4	40	2.5	10	4	0	0	0	0	--	--
Legacy	LW 1155	114	59.7	36	1.0	23	7	0	0	1	3	103	58.1
Legacy	LW 1335	102	59.8	39	2.3	50	11	0	0	4	2	* 109	59.9
Legacy	LW 1370	113	60.5	41	1.5	21	9	28	10	1	1	92	57.7
Legacy	LW 1480	111	62.0	37	1.0	1	1	0	0	1	1	* 108	60.3
Legacy	LW 1485	* 120	60.7	36	1.0	1	2	7	8	1	2	107	58.4
MSU	F0036R	104	57.6	34	1.0	25	11	0	0	3	6	--	--
MSU	F1026R	116	61.3	38	1.5	2	1	43	10	4	7	--	--
PiP	715	* 119	61.4	40	1.3	0	0	0	0	0	0	--	--
PiP	718	117	63.0	36	1.0	9	9	0	0	0	0	--	--
PiP	719	112	60.8	38	1.0	0	0	0	0	0	0	--	--
PiP	720	* 122	59.7	36	1.5	3	4	1	4	5	5	--	--
PiP	721	112	56.1	39	2.0	59	19	4	1	2	5	107	56.7
PiP	723	114	61.1	39	1.0	6	10	0	0	0	1	--	--
PiP	724	* 120	60.7	37	1.0	0	0	5	7	1	1	--	--
PiP	725	112	62.3	35	1.0	9	8	21	11	1	1	--	--
PiP	729	114	59.4	40	1.5	19	17	0	2	2	3	105	60.1
PiP	733	106	57.6	37	1.5	81	36	0	0	2	2	106	57.5
PiP	734	117	60.7	39	1.5	1	1	2	5	1	13	107	60.0
PiP	735	* 125	61.0	35	1.3	0	0	10	9	0	0	* 114	58.6
PiP	736	* 118	59.7	39	1.5	33	13	0	0	1	1	* 113	58.5
PiP	737	104	60.6	38	1.5	3	19	0	0	1	2	* 109	60.7
PiP	741	* 118	61.2	35	1.0	1	2	18	15	1	1	* 111	59.0
PiP	760	110	56.3	40	1.8	8	5	4	9	2	3	106	58.6
PiP	762	113	58.6	40	1.5	6	8	5	3	3	7	--	--
PiP	765	113	60.2	37	1.5	16	11	0	0	2	3	--	--
PiP	766	106	57.2	37	1.5	11	11	0	0	2	5	106	60.5
PiP	777	103	59.4	37	1.3	66	21	49	18	0	0	--	--
PiP	792	112	61.1	40	1.0	31	13	5	6	1	3	103	59.8
Pro Seed Genetics	PRO 200	102	60.9	41	2.0	0	0	5	3	3	6	96	59.6
Pro Seed Genetics	PRO 240	109	61.1	43	1.8	23	13	8	11	3	8	104	58.9
Pro Seed Genetics	PRO 260	105	56.2	38	1.5	28	10	20	5	2	5	103	57.0
Pro Seed Genetics	PRO 320A	112	60.4	44	1.5	3	2	0	0	2	7	* 113	59.1
Pro Seed Genetics	PRO 410	106	60.3	39	1.3	34	10	0	0	2	5	106	58.2
Pro Seed Genetics	PRO Ex 310	100	57.3	42	1.8	84	24	0	0	2	3	97	57.5
Pro Seed Genetics	PRO Ex 370	114	57.3	38	1.3	43	11	0	0	4	13	104	57.0
Pro Seed Genetics	PRO Ex 380	* 122	62.8	38	3.5	3	4	0	0	2	3	106	61.2
Pro Seed Genetics	PRO Ex 420	105	61.0	42	1.3	31	11	76	20	1	3	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight*continued on next page*

**Table 5. Chilton 2015 Winter Wheat Performance Trial Results***continued from previous page*

Brand	Entry	2015 means										2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust		Stripe rust		FHB ³		Yield (bu/a)	Test wt. (lb/bu)
Pro Seed Genetics	PRO Ex 430	109	62.0	40	1.0	13	9	0	0	4	11	--	--
Public	Erie	109	57.9	39	1.3	13	5	40	14	1	3	--	--
Public	Hopewell	95	59.1	41	1.8	68	26	19	5	6	9	97	57.9
Public	Kaskaskia	101	60.9	44	1.8	0	0	0	0	6	13	105	60.6
Public	Otsego	84	55.0	41	2.0	91	36	13	8	3	3	91	57.7
Public	Red Devil Brand	110	60.1	40	1.0	14	14	0	0	3	6	101	59.7
Public	Red Dragon Brand	105	58.5	42	1.8	80	34	0	0	4	6	104	57.9
Public	Rocket	108	57.5	38	1.5	51	14	0	0	2	10	--	--
Public	Sunburst	110	62.6	35	1.0	25	14	0	4	0	3	97	59.6
Syngenta	SY 007	110	60.1	36	1.0	11	5	0	0	1	7	--	--
Syngenta	SY 474	* 120	60.7	40	1.0	4	3	0	0	1	4	106	59.1
Syngenta	SY 483	* 120	59.4	39	1.5	26	7	0	0	6	7	103	57.1
Syngenta	SY 547	* 124	60.5	39	1.3	0	0	6	4	1	2	--	--
Van Treeck's	XL 334	106	61.2	39	2.3	73	8	0	0	0	0	107	59.7
VCIA / VA Tech	Hilliard	115	60.0	38	1.0	0	3	0	0	4	5	--	--
VCIA / VA Tech	VA 11W-106	117	62.5	36	1.0	0	0	0	0	4	11	--	--
Mean		112	59.9	38	1.4	22	9	7	3	2	4	103	58.4
LSD (.10)		7	1.6	1	0.5	18	8	15	6	2	7	6	1.0

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

**Table 6. Fond du Lac 2015 Winter Wheat Performance Trial Results**

Brand	Entry	2015 means								2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust I% ¹	S% ²	FHB ³ I% ¹	S% ²	Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	98	58.9	37	1.0	0	0	3	11	* 102	57.8
AgriMAXX	438	98	57.2	39	1.0	28	11	4	11	97	56.9
AgriMAXX	444	103	59.2	40	1.0	0	1	5	11	--	--
AgriMAXX	446	102	59.7	35	1.0	4	3	9	15	--	--
AgriMAXX	447	97	58.8	37	1.0	0	0	5	10	93	54.0
AgriMAXX	Exp 1555	92	59.4	39	1.0	16	6	6	11	--	--
Diener	D491W	* 104	59.3	36	1.0	1	1	1	7	100	58.2
Diener	D492W	101	57.9	36	1.0	0	0	4	13	* 102	58.3
Diener	D496W	86	57.9	35	1.0	0	0	1	2	--	--
Diener	D512W	101	57.0	40	1.0	35	8	4	8	99	54.4
DuPont Pioneer	25R25	* 106	57.5	38	1.0	0	0	3	4	--	--
DuPont Pioneer	25R34	102	57.3	39	1.0	0	0	2	21	96	56.7
DuPont Pioneer	25R40	98	60.3	34	1.0	11	3	4	8	97	58.4
DuPont Pioneer	25R46	91	59.3	37	1.0	10	3	1	6	* 109	59.5
DuPont Pioneer	25R50	100	60.2	34	1.0	3	1	2	2	--	--
Dyna-Gro	9223	98	57.8	40	1.0	40	5	4	7	* 107	55.2
Dyna-Gro	9522	* 112	59.7	40	1.0	21	5	15	11	--	--
Dyna-Gro	9552	* 104	60.6	37	1.0	3	1	8	9	--	--
Equity Seed	Butler	* 106	59.9	38	1.0	0	0	4	8	--	--
Equity Seed	Guardian	94	59.7	39	1.0	0	0	4	8	90	56.7
FS Seed	FS 602	* 104	60.5	37	1.0	2	0	4	3	88	57.9
FS Seed	FS 615	* 105	58.9	39	1.0	4	4	5	18	--	--
FS Seed	FS 622	90	61.6	36	1.0	7	2	2	8	101	60.8
FS Seed	FS 624	* 104	60.9	39	1.0	2	3	6	15	--	--
FS Seed	FS 625	94	56.2	38	1.0	14	8	5	2	95	53.4
Jung	5855	92	59.0	41	1.0	36	12	6	12	95	56.0
Jung	5888	* 107	60.6	38	1.0	0	0	5	12	99	57.4
Jung	5930	102	60.9	40	1.0	0	0	1	3	99	57.2
Jung	Exp 1099	94	58.0	40	1.0	8	4	5	22	94	55.1
Kratz Farms	KF 15144	94	57.9	38	1.0	44	6	3	11	--	--
Kratz Farms	KF 15188	91	58.9	42	1.0	39	6	5	8	99	57.8
Kratz Farms	KF 15241	* 105	61.0	39	1.0	0	0	5	13	95	58.9
Kratz Farms	KF 15314	101	58.5	41	1.0	2	6	4	15	101	56.4
L&M Brand	L&M 2123	* 105	58.8	36	1.0	0	0	1	9	--	--
L&M Brand	L&M 7511	102	59.6	35	1.0	0	0	1	4	--	--
L-Brand / Ag Pro	L-171	89	61.7	39	1.0	2	0	1	5	--	--
L-Brand / Ag Pro	L-203	101	61.4	39	1.0	1	1	3	4	--	--
L-Brand / Ag Pro	L-264	86	60.3	37	1.0	3	3	5	7	--	--
L-Brand / Ag Pro	L-304	93	61.7	41	1.0	13	5	2	4	--	--
L-Brand / Ag Pro	L-321	100	59.7	37	1.0	25	9	5	15	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

continued on next page

¹ % incidence ² % severity ³ Fusarium head blight



Table 6. Fond du Lac 2015 Winter Wheat Performance Trial Results

continued from previous page

Brand	Entry	2015 means								2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust I% ¹	S% ²	FHB ³ I% ¹	S% ²	Yield (bu/a)	Test wt. (lb/bu)
L-Brand / Ag Pro	L-443	93	59.4	38	1.0	5	2	1	1	--	--
L-Brand / Van Treeck's	L-241	99	59.1	41	1.0	0	0	1	17	99	59.3
L-Brand / Welter	L-334	101	61.0	40	1.3	3	3	2	4	--	--
Legacy	LW 1155	* 104	60.0	37	1.0	0	0	2	11	99	57.8
Legacy	LW 1335	93	61.2	39	1.0	3	2	4	7	98	58.7
Legacy	LW 1370	102	60.5	41	1.0	0	0	3	8	100	57.3
Legacy	LW 1480	101	60.6	39	1.0	2	0	2	18	* 106	60.5
Legacy	LW 1485	* 108	60.2	36	1.0	0	0	4	8	* 106	58.2
MSU	F0036R	96	57.4	33	1.0	1	1	6	18	--	--
MSU	F1026R	97	60.3	37	1.0	0	0	8	14	--	--
PiP	715	* 104	60.4	41	1.0	0	0	2	7	--	--
PiP	718	* 106	62.6	37	1.0	0	0	2	10	--	--
PiP	719	* 105	60.8	40	1.0	0	0	2	14	--	--
PiP	720	91	59.2	36	1.0	5	1	3	9	--	--
PiP	721	103	58.0	40	1.0	15	5	4	8	* 104	54.9
PiP	723	* 105	58.9	39	1.0	7	6	2	2	--	--
PiP	724	100	59.6	38	1.0	0	0	1	2	--	--
PiP	725	100	61.5	36	1.0	0	0	1	11	--	--
PiP	729	90	60.0	40	1.0	8	2	4	14	96	58.9
PiP	733	94	59.5	36	1.0	51	16	3	3	101	58.3
PiP	734	97	60.2	38	1.0	0	0	2	12	96	60.4
PiP	735	101	58.9	35	1.0	2	0	3	13	* 105	58.2
PiP	736	* 106	58.6	38	1.0	19	3	6	7	* 103	57.1
PiP	737	101	61.1	38	1.0	4	1	4	13	* 106	60.4
PiP	741	102	60.2	35	1.0	0	0	3	4	97	58.6
PiP	760	90	57.2	41	1.0	4	2	12	13	101	58.9
PiP	762	98	59.0	42	1.0	5	1	8	21	--	--
PiP	765	97	60.9	37	1.0	0	1	2	15	--	--
PiP	766	96	56.4	36	1.0	2	0	2	8	* 103	59.3
PiP	777	97	59.5	38	1.0	33	8	15	10	--	--
PiP	792	98	59.6	41	1.0	3	5	5	15	100	59.3
Pro Seed Genetics	PRO 200	91	61.1	43	1.7	0	0	9	10	93	58.7
Pro Seed Genetics	PRO 240	91	60.1	44	1.0	5	4	6	10	97	57.9
Pro Seed Genetics	PRO 260	90	57.3	35	1.0	1	1	7	11	96	54.4
Pro Seed Genetics	PRO 320A	96	59.3	44	1.0	1	1	3	16	91	58.5
Pro Seed Genetics	PRO 410	97	59.3	37	1.0	8	4	4	24	* 102	57.7
Pro Seed Genetics	PRO Ex 310	93	58.5	42	1.0	40	10	2	14	93	56.3
Pro Seed Genetics	PRO Ex 370	82	57.1	36	1.0	2	0	9	11	99	55.1
Pro Seed Genetics	PRO Ex 380	85	60.7	36	1.3	2	0	3	35	96	57.8
Pro Seed Genetics	PRO Ex 420	95	62.6	43	1.0	45	10	11	8	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

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Table 6. Fond du Lac 2015 Winter Wheat Performance Trial Results

continued from previous page

Brand	Entry	2015 means								2014 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Leaf rust		FHB ³		Yield (bu/a)	Test wt. (lb/bu)
						I% ¹	S% ²	I% ¹	S% ²		
Pro Seed Genetics	PRO Ex 430	* 104	62.4	40	1.0	30	5	10	9	--	--
Public	Erie	88	59.0	38	1.0	2	4	4	7	--	--
Public	Hopewell	86	59.2	40	1.0	65	19	26	18	94	57.8
Public	Kaskaskia	89	59.6	44	1.3	0	0	10	17	96	59.8
Public	Otsego	91	57.9	44	1.3	30	26	4	9	95	58.8
Public	Red Devil Brand	99	60.8	40	1.0	11	5	6	12	95	58.7
Public	Red Dragon Brand	92	59.3	42	1.0	56	14	3	8	92	56.7
Public	Rocket	94	58.8	37	1.0	2	0	6	12	--	--
Public	Sunburst	93	62.0	36	1.0	0	0	1	4	88	58.4
Syngenta	SY 007	103	60.1	40	1.0	0	0	2	3	--	--
Syngenta	SY 474	93	59.9	40	1.0	2	0	3	15	* 102	58.8
Syngenta	SY 483	* 104	58.5	39	1.0	5	2	7	10	* 104	56.5
Syngenta	SY 547	* 105	60.6	40	1.0	0	0	2	4	--	--
Van Treeck's	XL 334	92	58.9	40	1.3	18	5	2	4	101	59.1
VCIA / VA Tech	Hilliard	99	59.8	39	1.0	0	0	3	16	--	--
VCIA / VA Tech	VA 11W-106	99	59.9	37	1.0	0	0	8	6	--	--
	Mean	98	59.6	39	1.0	9	3	4	10	98	57.6
	LSD (.10)	8	1.8	2	0.2	20	5	6	11	7	1.0

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

**Table 7. Sharon 2015 Winter Wheat Performance Trial Results**

Brand	Entry	2015 means					
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	FHB ³ 1% ¹	5% ²
AgriMAXX	413	87	57.0	34	1.0	9	14
AgriMAXX	438	* 93	55.4	36	1.0	20	15
AgriMAXX	444	84	57.0	35	1.0	21	15
AgriMAXX	446	86	57.2	33	1.0	13	11
AgriMAXX	447	85	55.9	35	1.0	23	19
AgriMAXX	Exp 1555	89	57.1	36	1.0	15	8
Diener	D491W	* 91	56.9	35	1.0	11	13
Diener	D492W	90	57.3	35	1.0	7	20
Diener	D496W	* 91	57.7	31	1.0	1	11
Diener	D512W	89	56.9	37	1.0	14	10
DuPont Pioneer	25R25	* 93	55.3	34	1.0	13	7
DuPont Pioneer	25R34	90	57.0	37	1.0	14	18
DuPont Pioneer	25R40	* 91	57.4	31	1.0	26	20
DuPont Pioneer	25R46	88	58.3	35	1.0	4	8
DuPont Pioneer	25R50	82	55.8	32	1.0	5	6
Dyna-Gro	9223	90	56.6	36	1.0	15	18
Dyna-Gro	9522	* 96	57.1	38	1.0	21	19
Dyna-Gro	9552	85	57.5	32	1.0	13	15
Equity Seed	Butler	81	55.0	34	1.0	23	14
Equity Seed	Guardian	86	57.8	36	1.0	14	8
FS Seed	FS 602	* 94	57.6	34	1.0	17	9
FS Seed	FS 615	89	57.4	37	1.0	6	10
FS Seed	FS 622	85	58.1	35	1.0	11	9
FS Seed	FS 624	* 92	59.1	35	1.0	10	29
FS Seed	FS 625	84	55.8	35	1.0	9	10
Jung	5855	86	57.0	38	1.0	10	13
Jung	5888	90	56.4	36	1.0	19	18
Jung	5930	88	57.6	36	1.0	15	7
Jung	Exp 1099	85	55.0	36	1.0	28	28
Kratz Farms	KF 15144	* 92	58.2	36	1.0	9	13
Kratz Farms	KF 15188	87	57.6	40	1.0	9	40
Kratz Farms	KF 15241	* 95	59.5	36	1.0	7	12
Kratz Farms	KF 15314	86	57.0	37	1.0	18	23
L&M Brand	L&M 2123	90	57.4	34	1.0	8	11
L&M Brand	L&M 7511	88	56.9	32	1.0	10	13
L-Brand / Ag Pro	L-171	84	59.6	34	1.0	10	15
L-Brand / Ag Pro	L-203	* 98	59.4	35	1.0	21	26
L-Brand / Ag Pro	L-264	* 91	59.6	33	1.0	15	6
L-Brand / Ag Pro	L-304	89	58.8	38	1.0	9	11

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight

**Table 7. Sharon 2015 Winter Wheat Performance Trial Results**

Brand	Entry	2015 means					
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	FHB ³ 1% ¹	5% ²
L-Brand / Ag Pro	L-321	* 95	57.2	34	1.0	29	28
L-Brand / Ag Pro	L-443	85	58.4	35	1.0	3	11
L-Brand / Van Treeck's	L-241	* 92	58.6	36	1.0	2	20
L-Brand / Welter	L-334	84	58.9	35	1.0	7	5
Legacy	LW 1155	90	56.6	35	1.0	14	15
Legacy	LW 1335	87	59.2	36	1.0	3	13
Legacy	LW 1370	85	57.0	35	1.0	15	6
Legacy	LW 1480	* 93	59.0	36	1.0	8	13
Legacy	LW 1485	* 91	58.3	34	1.0	14	11
MSU	F0036R	80	54.1	29	1.0	24	26
MSU	F1026R	86	57.5	34	1.0	19	24
PiP	715	* 91	58.8	38	1.0	9	5
PiP	718	88	59.7	36	1.0	3	5
PiP	719	* 95	58.7	38	1.0	1	1
PiP	720	87	57.1	34	1.0	19	23
PiP	721	* 93	55.9	37	1.0	18	18
PiP	723	85	56.7	37	1.0	4	11
PiP	724	84	56.6	35	1.0	4	4
PiP	725	* 95	59.7	33	1.0	9	9
PiP	729	89	58.3	37	1.0	20	25
PiP	733	* 97	57.8	34	1.0	18	19
PiP	734	89	59.5	36	1.0	10	9
PiP	735	* 93	58.1	34	1.0	6	30
PiP	736	89	57.0	36	1.0	14	21
PiP	737	* 92	59.4	36	1.0	8	14
PiP	741	* 95	57.9	34	1.0	9	13
PiP	760	75	54.9	37	1.0	30	28
PiP	762	81	56.5	38	1.0	13	18
PiP	765	86	56.5	34	1.0	13	15
PiP	766	85	56.0	32	1.0	6	21
PiP	777	* 94	58.5	37	1.0	16	6
PiP	792	90	59.3	38	1.0	16	25
Pro Seed Genetics	PRO 200	81	59.3	37	1.0	10	14
Pro Seed Genetics	PRO 240	87	57.2	38	1.0	13	21
Pro Seed Genetics	PRO 260	87	56.3	34	1.0	18	24
Pro Seed Genetics	PRO 320A	* 91	57.0	43	1.0	11	29
Pro Seed Genetics	PRO 410	85	57.4	34	1.0	7	24
Pro Seed Genetics	PRO Ex 310	82	56.6	36	1.0	18	14
Pro Seed Genetics	PRO Ex 370	* 91	56.0	33	1.0	19	19

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight



Table 7. Sharon 2015 Winter Wheat Performance Trial Results

Brand	Entry	2015 means					
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	FHB ³ 1% ¹	5% ²
Pro Seed Genetics	PRO Ex 380	88	59.5	33	1.0	7	6
Pro Seed Genetics	PRO Ex 420	86	58.5	39	1.0	9	10
Pro Seed Genetics	PRO Ex 430	88	60.4	39	1.0	9	35
Public	Erie	77	56.9	36	1.0	9	9
Public	Hopewell	79	56.3	37	1.0	44	26
Public	Kaskaskia	81	59.4	40	1.0	24	23
Public	Otsego	84	56.1	38	1.0	24	13
Public	Red Devil Brand	* 97	58.4	37	1.0	24	30
Public	Red Dragon Brand	84	56.3	38	1.0	11	15
Public	Rocket	* 91	54.7	35	1.0	16	13
Public	Sunburst	85	59.8	31	1.0	8	13
Syngenta	SY 007	* 95	57.9	37	1.0	5	21
Syngenta	SY 474	89	57.0	38	1.0	17	28
Syngenta	SY 483	88	55.7	36	1.0	20	25
Syngenta	SY 547	90	58.3	37	1.0	10	16
Van Treeck's	XL 334	* 93	59.4	35	1.0	9	16
VCIA / VA Tech	Hilliard	84	59.0	36	1.0	14	21
VCIA / VA Tech	VA 11W-106	87	57.2	35	1.0	30	15
Mean		88	57.5	35	1.0	13	16
LSD (.10)		7	1.1	2	NS	9	9

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar

¹ % incidence ² % severity ³ Fusarium head blight



Testing Agencies

The Wisconsin Winter Wheat Performance Trials were conducted by the Departments of Agronomy and Plant Pathology, College of Agricultural and Life Sciences and the University of Wisconsin-Extension in cooperation and with support from the Wisconsin Crop Improvement Association.

Additional Information

Check the following publications for additional information on small grain production and seed availability. Both are updated annually.

Pest Management in Wisconsin Field Crops (A3646) available at learningstore.uwex.edu

The Wisconsin Certified Seed Directory available at wcia.wisc.edu

For information on seed availability of public varieties, contact:

Wisconsin Crop Improvement Association
554 Moore Hall
1575 Linden Drive
Madison, WI 53706
(608) 262-1341, wcia.wisc.edu

To access crop performance testing information electronically, visit: www.coolbean.info

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