



Wisconsin Winter Wheat Performance Trials 2017

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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.

▲ **Fond du Lac**

Cooperator: Ed Montsma
Lomira silt loam
7.5 inch row spacing
Applied 55 lb N/a (nitrogen credited from previous legume)
Post-emergent herbicide: Huskie
Planted: October 10, 2016
Harvested: July 25, 2017

■ **Arlington**

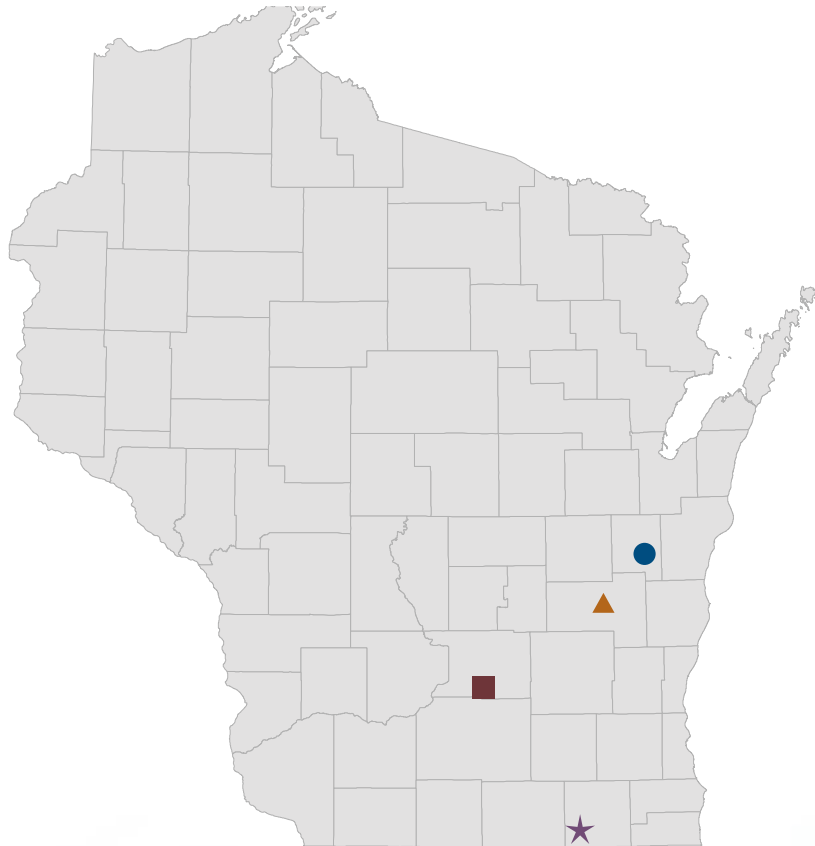
Cooperator: Mike Bertram
Plano silt loam
7.5 inch row spacing
Applied 55 lb N/a (nitrogen credited from previous legume)
Post-emergent herbicide: Huskie
Planted: October 4, 2016
Harvested: July 18, 2017

★ **Sharon**

Cooperator: Mike Cerny
Plano silt loam
7.5 inch row spacing
Applied 55 lb N/a (nitrogen credited from previous legume)
Post-emergent herbicide: Huskie
Planted: October 5, 2016
Harvested: July 18, 2017

● **Chilton**

Cooperator: Kolbe Seed Farms
Kewaunee loam
7.5 inch row spacing
Applied 75 lb N/a
Post-emergent herbicide: Huskie
Planted: October 10, 2016
Winter-killed



2017 Year in Review

Acreage and Growing Conditions

Wisconsin saw a 15% decline in winter wheat acres planted (230,000) in the 2016-2017 growing season compared to the previous year; 190,000 acres are forecasted to be harvested for grain, compared to 250,000 in 2016*. Lack of snow cover, ice, and ponding led to severe winterkill events across WI. The forecasted yield for the 2017 crop is 77 bu/a, down 2 bu/a from 2016. 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 as normal. 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 2017. The Chilton variety trial site was abandoned due to severe winterkill caused by open ground and ice ponding. Wheat yields at the Arlington, Fond du Lac and Sharon locations averaged 104, 66, and 103 bu/a, respectively.

* Source: USDA National Agricultural Statistics Service (www.nass.usda.gov)

Diseases

Statewide, the major disease of winter wheat in 2017 was stripe rust caused by *Puccinia striiformis*. Stripe rust could be found in many fields that were rated for disease. In the variety trials throughout the southern and south-central part of the state, stripe rust hit some varieties very hard, causing significant damage and early defoliation. Varieties with genetic resistance to the disease performed well. However, stripe rust was much milder at the Fond du Lac location. This was consistent in commercial fields in the north-central and northern locations where winter wheat is grown.

For the second year in a row, low levels of FHB were identified throughout all trials. This is likely due to the fact that the weather was very hot and mostly dry during the anthesis period throughout much of the state.

Septoria leaf blotch was present in low levels in some fields throughout the state. However, this disease was not yield-limiting in 2017. Powdery mildew was nearly non-existent in the state for the fifth season straight.

Using 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 also 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 fit your cropping needs. By selecting varieties with the appropriate level of resistance, crop yield loss may be either reduced or avoided without the need for 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 on page 3.

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 10.0 (emerging heads). 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 two weeks after the completion of anthesis at all trial locations. 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 3-6. Data for both 2016 and 2017 are provided if the variety was entered in the 2016 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.

If an entrant is not listed for a brand, the entry was submitted either by the listed company or by the testing program.

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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Table 1. 2017 Company Information

Brand (Entrant)	Company Name	Phone	Website
AgriMAXX	AgriMAXX Wheat Company	(855) 629-9432	www.agrimaxxwheat.com
Beck	Beck's Hybrids	(800) 937-2325	www.beckshybrids.com
Diener	BioTown Seeds Inc.	(219) 984-6038	www.biotownseeds.com
Dyna-Gro	Dyna-Gro Seed	(608) 756-2934	www.dynagroseed.com
Equity Seed	Direct Enterprises	(317) 910-2140	www.go2dei.com
FS Seed	Growmark, Inc.	(309) 242-3439	www.fsseed.com/midwest
Jung	Jung Seed Genetics	(608) 330-2511	www.jungseedgenetics.com
Kratz Farms	Kratz Farms, LLP	(414) 507-4631	www.kratzfarms.com
L&M Brand	Ag Pro Enterprises, LLC	(920) 904-1758	
L-Brand (Ag Pro)	Ag Pro Enterprises, LLC	(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	(800) 728-8450	www.welterseed.com
Legacy	Legacy Seeds Inc.	(866) 791-6390	www.legacyseeds.com
Limagrain Cereal Seeds	Limagrain Cereal Seeds	(309) 772-2070	www.limagraincerealseeds.com
PiP	Partners in Production	(608) 335-2112	www.pipseeds.com
Pro Seed Genetics	Pro Seed Genetics Cooperative	(920) 388-2824	
Public	WI Foundation Seeds	(608) 262-9954	www.wisconsinfoundationseeds.wisc.edu
Steyer	Steyer Seeds	(800) 231-4274	www.steyerseeds.com
Syngenta	Syngenta AgriPro	(815) 953-2041	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. 2017 Entered Varieties and Seed Treatments

Brand (Entrant)	Variety	Seed Treatment(s)	Brand (Entrant)	Variety	Seed Treatment(s)
AgriMAXX	413	Cruiser 5FS, Maxim, Vibrance Extreme	Equity Seed	Butler	CruiserMaxx
	438	Cruiser 5FS, Maxim, Vibrance Extreme	FS Seed	FS 604	CruiserMaxx Vibrance
	444	Cruiser 5FS, Maxim, Vibrance Extreme		FS 615	CruiserMaxx Vibrance
	452	Cruiser 5FS, Maxim, Vibrance Extreme		FS 619	CruiserMaxx Vibrance
	454	Cruiser 5FS, Maxim, Vibrance Extreme		FS 622	CruiserMaxx Vibrance
	463	Cruiser 5FS, Maxim, Vibrance Extreme		FS 624	CruiserMaxx Vibrance
	464	Cruiser 5FS, Maxim, Vibrance Extreme		WX17A	CruiserMaxx Vibrance
	Exp 1785	Cruiser 5FS, Maxim, Vibrance Extreme	Jung	5845	CruiserMaxx, Vibrance Extreme, Quickroots
	Exp 1786	Cruiser 5FS, Maxim, Vibrance Extreme		5850	CruiserMaxx, Vibrance Extreme, Quickroots
Beck	125	Escalate		5855	CruiserMaxx, Vibrance Extreme, Quickroots
	128	Escalate		5888	CruiserMaxx, Vibrance Extreme, Quickroots
				5930	CruiserMaxx, Vibrance Extreme, Quickroots
Diener	D491W	Cruiser 5FS, Vibrance Extreme			
	D496W	Cruiser 5FS, Vibrance Extreme			
	DXW1601	CruiserMaxx Vibrance			
	DXW1701	CruiserMaxx Vibrance			
Dyna-Gro	9522	Awaken ST, Foothold Virock			
	9701	Awaken ST, Foothold Virock			
	9750	Awaken ST, Foothold Virock			
	9772	Awaken ST, Foothold Virock			
	WX17782	Awaken ST, Foothold Virock			

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Table 2. 2017 Entered Varieties and Seed Treatments*continued from previous page*

Brand (Entrant)	Variety	Seed Treatment(s)	Brand (Entrant)	Variety	Seed Treatment(s)
Kratz Farms	KF 15144	Cruiser 5FS, Vibrance Extreme	PiP (cont'd)	736	Charter, imidacloprid
	KF 15241	Cruiser 5FS, Vibrance Extreme		737	Charter, imidacloprid
	KF 15334	Cruiser 5FS, Vibrance Extreme		741	Charter, imidacloprid
	KF 222	Evergol, Gaucho		744	Charter, imidacloprid
	KF 468	Evergol, Gaucho		745	Charter, imidacloprid
	KF 553	Evergol, Gaucho	Pro Seed Genetics	PRO 260	CeresUS, Senator
	KF 727	CeresUS Trio, Macho, Release		PRO 320A	Vibrance Extreme
L&M Brand	1020	CruiserMaxx Vibrance		PRO 410	CeresUS, Senator
	2123	Sativa IM RTU, SabrEx		PRO Ex 380	CeresUS, Senator
L-Brand (AgPro)	L-214	CeresUS Trio, Macho, Release		PRO Ex 430A	Charter, imidacloprid
	L-304	Sativa IM RTU, SabrEx	Public	Erie	Vibrance Extreme
	L-416	Cruiser 5FS, Vibrance Extreme		Harpoon	Warden Cereals II
	L-424	CruiserMaxx, Warden Cereals HR		Hopewell	CeresUS, Senator
	LCS News	CruiserMaxx, Warden Cereals HR		Kaskaskia	CeresUS, Senator
	L-Star	CruiserMaxx, Warden Cereals HR		Red Devil Brand	Warden Cereals II
L-Brand (Van Treeck's)	L-241	Gaucho, Vibrance Extreme		Red Dragon Brand	Warden Cereals II
	L-334	CruiserMaxx, Warden Cereals HR		Starburst	CeresUS Trio, Macho
Legacy	LW 1155	Sativa IM RTU, SabrEx		Sunburst	CeresUS, Senator
	LW 1485	Sativa IM RTU, SabrEx		Whale	Warden Cereals II
	LW 1695	Sativa IM RTU, SabrEx	Steyer	Berwick	Surestand
	LW 1776	CruiserMaxx Vibrance		Morrin	Surestand
	LWX 1745	CruiserMaxx Vibrance		STex166	Surestand
	LWX 1756	Cruiser 5FS, Vibrance Extreme		Wharton	Surestand
Limagrain Cereal Seeds	L11550	Cruiser 5FS, Dividend Exteme	Syngenta	SY 007	CruiserMaxx, Vibrance Extreme
	L11610	CruiserMaxx, Warden Cereals HR		SY 100	Vibrance Extreme
	L11617	CruiserMaxx, Warden Cereals HR		SY 547	Vibrance Extreme
	L11621	CruiserMaxx, Warden Cereals HR	Van Treeck's	Bonanza	CruiserMaxx, Vibrance Extreme
PiP	708	Charter, imidacloprid		XL 007	Gaucho, Vibrance Extreme
	710	Charter, imidacloprid	VCIA / VA Tech	Hilliard	Gaucho, Raxil MD Extra
	711	Charter, imidacloprid		VA11W-108PA	Gaucho, Raxil MD Extra
	712	Charter, imidacloprid		VA12W-31	Gaucho, Raxil MD Extra
	713	Charter, imidacloprid			
	714	Charter, imidacloprid			
	715	Charter, imidacloprid			
	716	Charter, imidacloprid			
	719	Charter, imidacloprid			
	720	Charter, imidacloprid			
	721	Charter, imidacloprid			
	735	Charter, imidacloprid			

Table 3. 2017 Combined Winter Wheat Performance Trial Results

Brand (Entrant)	Entry	2017 3-test average		■ Arlington		▲ Fond du Lac		★ Sharon		2016 4-test average
		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	92	55.0	102	56.2	69	54.5	105	54.3	117
AgriMAXX	438	* 93	55.1	105	54.5	65	55.5	108	55.5	115
AgriMAXX	444	* 96	56.0	* 109	57.2	68	55.2	111	55.6	* 118
AgriMAXX	452	82	56.2	91	56.5	68	57.3	86	54.7	--
AgriMAXX	454	84	54.3	92	55.3	* 75	56.1	86	51.6	100
AgriMAXX	463	92	55.2	107	57.0	59	54.1	108	54.5	115
AgriMAXX	464	91	54.4	106	55.5	61	52.8	107	54.8	111
AgriMAXX	Exp 1785	* 93	56.4	106	57.4	63	55.6	108	56.0	--
AgriMAXX	Exp 1786	* 98	55.9	* 113	57.7	68	54.6	* 113	55.4	--
Beck	125	91	56.7	106	58.3	64	56.2	104	55.6	112
Beck	128	85	53.9	91	53.0	* 73	56.3	91	52.5	98
Diener	D491W	90	54.9	104	55.4	70	55.2	97	54.1	114
Diener	D496W	* 96	54.9	* 112	56.4	* 71	53.9	105	54.5	114
Diener	DXW1601	* 96	57.2	* 108	58.2	65	56.1	* 114	57.1	* 119
Diener	DXW1701	89	55.7	100	55.9	62	56.1	104	55.2	--
Dyna-Gro	9522	* 96	56.1	* 109	57.1	69	55.5	110	55.8	* 118
Dyna-Gro	9701	* 94	55.9	* 110	56.8	63	54.9	109	56.1	--
Dyna-Gro	9750	* 94	55.2	* 109	56.6	67	54.7	105	54.4	--
Dyna-Gro	9772	* 95	54.4	* 109	55.7	66	52.7	108	54.7	109
Dyna-Gro	WX17782	* 93	55.8	105	56.1	66	55.8	109	55.5	--
Equity Seed	Butler	* 94	56.3	107	57.0	* 72	55.5	105	56.5	116
FS Seed	FS 604	79	54.1	88	53.9	60	54.0	89	54.3	--
FS Seed	FS 615	* 95	56.2	106	56.7	67	56.0	* 112	55.8	117
FS Seed	FS 619	* 93	56.1	105	57.4	63	55.1	110	55.8	--
FS Seed	FS 622	87	57.8	99	58.6	59	57.3	102	57.3	112
FS Seed	FS 624	* 97	57.1	* 109	57.9	68	56.4	* 115	57.2	* 122
FS Seed	WX17A	* 98	57.0	* 108	57.1	68	57.0	* 118	57.0	--
Jung	5845	85	56.1	99	56.7	62	56.1	95	55.4	--
Jung	5850	88	55.3	103	54.8	64	55.4	98	55.7	106
Jung	5855	90	55.8	104	57.0	63	54.8	102	55.8	* 120
Jung	5888	90	56.0	107	57.4	64	54.7	100	56.0	* 120
Jung	5930	79	55.6	92	56.7	63	56.4	81	53.9	89
Kratz Farms	KF 15144	82	55.9	95	57.4	63	56.0	89	54.2	105
Kratz Farms	KF 15241	83	55.5	90	55.0	68	56.8	90	54.9	95
Kratz Farms	KF 15334	92	57.6	* 108	59.2	65	57.0	104	56.7	108
Kratz Farms	KF 222	83	55.7	94	56.5	65	56.2	89	54.4	--
Kratz Farms	KF 468	81	55.7	91	55.7	67	57.4	84	54.2	--
Kratz Farms	KF 553	* 95	57.8	* 110	59.3	69	57.4	104	56.6	--
Kratz Farms	KF 727	* 96	55.8	* 111	56.3	69	55.6	107	55.6	--

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

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Table 3. 2017 Combined Winter Wheat Performance Trial Results*continued from previous page*

Brand (Entrant)	Entry	2017 3-test average		■ Arlington		▲ Fond du Lac		★ Sharon		2016 4-test average
		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)
L&M Brand	1020	* 95	57.0	* 109	57.4	63	56.7	* 114	56.9	--
L&M Brand	2123	89	55.1	104	55.7	64	55.3	99	54.2	111
L-Brand (Ag Pro)	L-214	* 97	55.9	* 111	56.9	* 74	55.8	106	55.2	--
L-Brand (Ag Pro)	L-304	88	58.6	104	59.9	64	57.9	97	58.2	103
L-Brand (Ag Pro)	L-416	* 98	56.3	* 110	56.9	70	56.0	* 113	56.1	--
L-Brand (Ag Pro)	L-424	* 97	55.7	* 110	56.5	70	55.4	109	55.2	--
L-Brand (Ag Pro)	LCS News	* 94	56.0	* 111	56.9	66	55.8	105	55.3	110
L-Brand (Ag Pro)	L-Star	* 100	56.2	* 111	56.5	* 72	56.0	* 116	56.2	--
L-Brand (Van Treeck's)	L-241	79	56.3	89	57.2	66	57.6	82	54.0	96
L-Brand (Welter)	L-334	* 93	57.7	* 108	59.0	66	57.2	105	57.0	109
Legacy	LW 1155	92	54.6	104	55.9	65	53.8	107	54.2	* 120
Legacy	LW 1485	91	55.6	101	56.3	69	55.9	103	54.5	104
Legacy	LW 1695	* 93	56.1	104	57.0	67	55.5	107	55.8	114
Legacy	LW 1776	91	56.4	* 109	57.5	57	56.2	107	55.6	--
Legacy	LWX 1745	* 98	57.0	* 110	57.4	* 72	56.8	* 113	56.8	--
Legacy	LWX 1756	* 93	54.8	* 108	55.5	64	54.8	106	54.1	--
Limagrain Cereal Seeds	L11550	92	57.0	* 108	57.8	62	56.8	106	56.5	--
Limagrain Cereal Seeds	L11610	* 95	56.9	* 110	57.6	63	56.8	* 113	56.4	--
Limagrain Cereal Seeds	L11617	91	56.6	104	56.9	64	56.2	105	56.8	--
Limagrain Cereal Seeds	L11621	* 98	58.1	* 113	59.3	66	57.3	* 114	57.7	--
PiP	708	87	55.4	99	55.7	66	56.1	96	54.2	* 118
PiP	710	90	56.3	104	57.5	61	56.0	105	55.4	--
PiP	711	* 93	55.8	104	56.8	69	55.9	105	54.9	--
PiP	712	91	54.8	107	56.4	64	54.0	103	54.2	--
PiP	713	90	57.4	102	58.0	61	57.0	105	57.3	--
PiP	714	* 100	55.9	* 111	57.4	* 78	55.7	110	54.6	--
PiP	715	90	55.8	* 109	56.9	60	55.0	101	55.6	* 118
PiP	716	* 95	54.4	106	54.9	65	54.1	* 112	54.3	--
PiP	719	92	56.1	* 108	56.6	64	55.6	102	56.1	111
PiP	720	* 94	55.9	106	56.0	* 71	56.3	107	55.4	117
PiP	721	90	54.9	101	54.8	63	55.0	106	55.1	116
PiP	735	89	55.0	104	56.0	70	55.3	94	53.6	112
PiP	736	* 97	56.0	* 110	56.6	66	55.5	* 114	55.9	116
PiP	737	90	56.3	96	57.4	63	55.1	109	56.5	109
PiP	741	90	56.8	104	58.4	65	56.1	102	55.7	113
PiP	744	* 94	55.5	101	55.9	* 75	56.0	106	54.9	115
PiP	745	* 94	57.1	105	57.7	63	56.7	* 113	56.9	115

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

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Table 3. 2017 Combined Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2017 3-test average		■ Arlington		▲ Fond du Lac		★ Sharon		2016 4-test average
		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)
Pro Seed Genetics	PRO 260	87	55.1	97	54.6	62	55.5	103	55.1	111
Pro Seed Genetics	PRO 320A	92	56.5	106	57.8	68	56.7	101	55.0	105
Pro Seed Genetics	PRO 410	* 97	57.1	* 108	57.7	70	56.8	* 113	56.8	117
Pro Seed Genetics	PRO Ex 380	89	59.1	102	59.4	61	59.4	105	58.5	109
Pro Seed Genetics	PRO Ex 430A	92	56.7	105	58.6	62	55.9	108	55.6	--
Public	Erie	75	55.4	86	56.6	56	54.3	84	55.2	98
Public	Harpoon	* 95	54.8	* 108	56.0	68	53.9	108	54.5	--
Public	Hopewell	77	55.2	89	56.9	61	54.9	82	53.9	98
Public	Kaskaskia	78	57.6	90	58.4	60	58.0	85	56.5	93
Public	Red Devil Brand	88	56.8	100	56.9	64	57.3	99	56.1	106
Public	Red Dragon Brand	86	55.0	100	56.3	62	55.1	95	53.6	106
Public	Starburst	91	58.8	103	60.3	68	57.7	101	58.3	--
Public	Sunburst	87	58.6	101	59.1	70	58.6	91	58.1	108
Public	Whale	91	56.2	* 108	57.9	69	55.2	97	55.7	* 121
Steyer	Berwick	* 94	56.8	* 108	57.6	65	56.8	108	56.0	--
Steyer	Morrin	90	55.8	104	56.5	67	55.2	99	55.8	* 118
Steyer	STex166	92	54.2	101	54.1	65	54.6	110	53.9	--
Steyer	Wharton	92	56.9	106	57.6	62	56.7	109	56.4	--
Syngenta	SY 007	91	56.0	104	56.6	63	55.6	106	55.8	112
Syngenta	SY 100	* 94	53.8	* 109	54.4	66	54.0	109	53.1	* 120
Syngenta	SY 547	* 94	56.2	105	56.8	* 71	55.5	105	56.2	112
Van Treeck's	Bonanza	* 94	56.1	104	56.4	* 72	56.5	105	55.4	--
Van Treeck's	XL 007	* 94	56.0	106	56.6	64	55.3	111	56.1	* 118
VCIA / VA Tech	Hilliard	91	56.9	105	57.6	61	56.2	106	56.9	116
VCIA / VA Tech	VA11W-108PA	91	57.1	106	58.0	64	56.8	103	56.5	--
VCIA / VA Tech	VA12W-31	85	57.0	95	57.1	58	57.8	100	56.2	--
Mean		91	56.1	104	56.9	66	55.9	103	55.5	101
LSD (.10)		7	1.0	5	1.0	7	0.8	6	0.7	6

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

Table 4. 2017 Arlington Winter Wheat Performance Trial Results

Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	102	56.2	36	1.0	2	5	* 135	55.7
	438	105	54.5	40	1.0	12	7	* 130	54.8
	444	* 109	57.2	39	1.0	3	4	127	55.5
	452	91	56.5	41	1.0	99	26	--	--
	454	92	55.3	39	1.0	98	18	99	53.3
	463	107	57.0	37	1.0	5	6	118	55.5
	464	106	55.5	41	1.0	64	9	116	54.8
	Exp 1785	106	57.4	36	1.0	4	2	--	--
	Exp 1786	* 113	57.7	40	1.0	3	4	--	--
Beck	125	106	58.3	39	1.0	95	11	114	57.1
	128	91	53.0	39	1.0	100	34	99	52.9
Diener	D491W	104	55.4	39	1.0	98	34	123	55.8
	D496W	* 112	56.4	37	1.0	7	8	115	54.8
	DXW1601	* 108	58.2	37	1.0	14	6	122	56.6
	DXW1701	100	55.9	37	1.0	4	6	--	--
Dyna-Gro	9522	* 109	57.1	40	1.0	4	9	126	55.6
	9701	* 110	56.8	40	1.0	5	9	--	--
	9750	* 109	56.6	38	1.0	8	6	--	--
	9772	* 109	55.7	40	1.0	66	9	115	55.1
	WX17782	105	56.1	36	1.0	2	6	--	--
Equity Seed	Butler	107	57.0	39	1.0	29	23	125	57.6
FS Seed	FS 604	88	53.9	41	1.0	95	29	--	--
	FS 615	106	56.7	39	1.0	5	5	126	56.3
	FS 619	105	57.4	41	1.0	43	11	--	--
	FS 622	99	58.6	40	1.0	2	7	121	59.1
	FS 624	* 109	57.9	39	1.0	3	6	* 133	58.1
	WX17A	* 108	57.1	36	1.0	7	4	--	--
Jung	5845	99	56.7	40	1.0	93	18	--	--
	5850	103	54.8	42	1.0	73	10	121	57.1
	5855	104	57.0	40	1.0	16	6	* 131	57.1
	5888	107	57.4	39	1.0	11	7	127	56.6
	5930	92	56.7	42	1.0	100	24	102	56.6
Kratz Farms	KF 15144	95	57.4	40	1.0	100	24	112	56.2
	KF 15241	90	55.0	41	1.0	96	21	101	56.2
	KF 15334	* 108	59.2	40	1.0	45	8	118	57.5
	KF 222	94	56.5	40	1.0	100	35	--	--
	KF 468	91	55.7	42	1.0	99	38	--	--
	KF 553	* 110	59.3	41	1.0	35	7	--	--
	KF 727	* 111	56.3	39	1.0	13	18	--	--

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar
¹ % incidence ² % severity

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Table 4. 2017 Arlington Winter Wheat Performance Trial Results

continued from previous page

Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
L&M Brand	1020	* 109	57.4	38	1.0	7	6	--	--
	2123	104	55.7	38	1.0	100	16	122	56.6
L-Brand (Ag Pro)	L-214	* 111	56.9	39	1.0	7	13	--	--
	L-304	104	59.9	45	1.0	24	10	112	58.5
	L-416	* 110	56.9	43	1.0	78	10	--	--
	L-424	* 110	56.5	40	1.0	5	11	--	--
	LCS News	* 111	56.9	39	1.0	69	13	116	57.5
	L-Star	* 111	56.5	42	1.0	28	11	--	--
L-Brand (Van Treeck's)	L-241	89	57.2	40	1.0	94	20	106	56.2
L-Brand (Welter)	L-334	* 108	59.0	41	1.0	9	6	115	57.5
Legacy	LW 1155	104	55.9	37	1.0	3	3	* 130	55.8
	LW 1485	101	56.3	39	1.0	94	18	113	56.2
	LW 1695	104	57.0	40	1.0	58	8	124	56.5
	LW 1776	* 109	57.5	37	1.0	2	3	--	--
	LWX 1745	* 110	57.4	38	1.0	6	7	--	--
	LWX 1756	* 108	55.5	39	1.0	3	5	--	--
Limagrain Cereal Seeds	L11550	* 108	57.8	39	1.0	9	7	--	--
	L11610	* 110	57.6	39	1.0	38	10	--	--
	L11617	104	56.9	36	1.0	66	19	--	--
	L11621	* 113	59.3	39	1.0	5	4	--	--
PiP	708	99	55.7	44	1.0	99	24	122	56.9
	710	104	57.5	39	1.0	3	8	--	--
	711	104	56.8	41	1.0	73	21	--	--
	712	107	56.4	38	1.0	10	5	--	--
	713	102	58.0	40	1.0	6	5	--	--
	714	* 111	57.4	41	1.0	10	8	--	--
	715	* 109	56.9	42	1.0	1	4	127	55.7
	716	106	54.9	38	1.0	7	4	--	--
	719	* 108	56.6	41	1.0	61	8	126	56.4
	720	106	56.0	40	1.0	4	7	120	56.6
	721	101	54.8	41	1.0	4	5	124	55.1
	735	104	56.0	39	1.0	94	21	125	55.5
	736	* 110	56.6	40	1.0	6	4	120	55.9
	737	96	57.4	39	1.0	66	17	119	58.6
	741	104	58.4	39	1.0	66	12	118	56.5
	744	101	55.9	39	1.0	3	3	121	54.3
	745	105	57.7	36	1.0	6	5	124	56.8

* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar
¹ % incidence ² % severity

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Table 4. 2017 Arlington Winter Wheat Performance Trial Results

continued from previous page

Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
Pro Seed Genetics	PRO 260	97	54.6	38	1.0	90	19	120	57.0
	PRO 320A	106	57.8	44	1.0	34	7	115	55.4
	PRO 410	* 108	57.7	39	1.0	7	7	126	57.9
	PRO Ex 380	102	59.4	40	1.0	43	12	117	60.2
	PRO Ex 430A	105	58.6	40	1.0	59	5	--	--
Public	Erie	86	56.6	39	1.0	50	6	107	58.0
	Harpoon	* 108	56.0	37	1.0	11	5	--	--
	Hopewell	89	56.9	42	1.0	69	12	105	57.2
	Kaskaskia	90	58.4	45	1.0	100	46	100	58.7
	Red Devil Brand	100	56.9	43	1.0	19	14	117	56.9
	Red Dragon Brand	100	56.3	42	1.0	100	14	115	56.1
	Starburst	103	60.3	35	1.0	51	12	--	--
	Sunburst	101	59.1	37	1.0	32	11	118	58.8
	Whale	* 108	57.9	40	1.0	13	8	128	56.9
Steyer	Berwick	* 108	57.6	37	1.0	7	3	--	--
	Morrin	104	56.5	39	1.0	35	6	127	56.8
	STex166	101	54.1	39	1.0	3	6	--	--
	Wharton	106	57.6	37	1.0	8	5	--	--
Syngenta	SY 007	104	56.6	40	1.0	6	9	118	56.5
	SY 100	* 109	54.4	38	1.0	7	7	127	54.6
	SY 547	105	56.8	40	1.0	63	10	120	57.8
Van Treeck's	Bonanza	104	56.4	42	1.0	88	39	--	--
	XL 007	106	56.6	39	1.0	6	6	124	55.5
VCIA / VA Tech	Hilliard	105	57.6	40	1.0	4	6	127	57.9
	VA11W-108PA	106	58.0	41	1.0	3	4	--	--
	VA12W-31	95	57.1	36	1.0	83	16	--	--
Mean		104	56.9	39	1.0	38	11	116	56.4
LSD (.10)		5	1.0	2	NS	20	10	7	0.9
* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar ¹ % incidence ² % severity									

Table 5. 2017 Fond du Lac Winter Wheat Performance Trial Results

Brand (Entrant)	Entry	2017 means								2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Septoria I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	69	54.5	32	1.0	0	1	100	24	94	57.8
	438	65	55.5	32	1.0	19	4	100	20	95	57.3
	444	68	55.2	34	1.0	1	1	100	35	* 104	58.1
	452	68	57.3	35	1.0	71	6	100	26	--	--
	454	* 75	56.1	34	1.0	45	14	100	44	* 97	57.9
	463	59	54.1	29	1.0	0	0	100	45	92	57.0
	464	61	52.8	34	1.0	2	2	100	28	93	57.2
	Exp 1785	63	55.6	31	1.0	0	0	100	26	--	--
	Exp 1786	68	54.6	34	1.0	0	0	100	35	--	--
Beck	125	64	56.2	33	1.0	22	6	100	28	90	60.1
	128	* 73	56.3	34	1.0	38	8	100	30	91	57.4
Diener	D491W	70	55.2	33	1.0	36	6	100	26	95	58.4
	D496W	* 71	53.9	33	1.0	1	1	100	33	89	56.5
	DXW1601	65	56.1	33	1.0	0	0	100	18	* 97	58.5
	DXW1701	62	56.1	32	1.0	0	0	100	34	--	--
Dyna-Gro	9522	69	55.5	34	1.0	2	2	100	25	* 100	58.1
	9701	63	54.9	34	1.0	1	2	100	30	--	--
	9750	67	54.7	31	1.0	1	2	100	25	--	--
	9772	66	52.7	34	1.0	8	3	100	16	93	57.6
	WX17782	66	55.8	31	1.0	1	1	100	31	--	--
Equity Seed	Butler	* 72	55.5	34	1.0	0	0	100	14	91	58.7
FS Seed	FS 604	60	54.0	32	1.0	24	9	100	31	--	--
	FS 615	67	56.0	32	1.0	0	0	100	34	* 100	58.1
	FS 619	63	55.1	34	1.0	5	2	100	51	--	--
	FS 622	59	57.3	32	1.0	1	1	100	34	85	59.9
	FS 624	68	56.4	33	1.0	1	1	100	41	* 97	58.7
	WX17A	68	57.0	34	1.0	0	0	100	33	--	--
Jung	5845	62	56.1	35	1.0	16	11	100	46	--	--
	5850	64	55.4	35	1.0	2	2	100	29	93	56.8
	5855	63	54.8	32	1.0	0	0	100	30	91	58.9
	5888	64	54.7	32	1.0	2	2	100	35	95	58.8
	5930	63	56.4	35	1.0	18	7	100	20	90	57.6
Kratz Farms	KF 15144	63	56.0	35	1.0	31	10	100	30	91	58.7
	KF 15241	68	56.8	35	1.0	43	6	100	35	87	58.6
	KF 15334	65	57.0	34	1.0	4	3	100	19	92	59.2
	KF 222	65	56.2	35	1.0	55	13	100	41	--	--
	KF 468	67	57.4	33	1.0	29	5	100	33	--	--
	KF 553	69	57.4	35	1.0	2	4	100	30	--	--
	KF 727	69	55.6	32	1.0	2	1	100	28	--	--

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

¹ % incidence ² % severity

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Table 5. 2017 Fond du Lac Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2017 means								2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²	Septoria I% ¹ S% ²	Yield (bu/a)	Test wt. (lb/bu)		
L&M Brand	1020	63	56.7	32	1.0	1 1	100 35	--	--		
	2123	64	55.3	31	1.0	19 4	100 35	* 99	58.9		
L-Brand (Ag Pro)	L-214	* 74	55.8	33	1.0	1 3	100 31	--	--		
	L-304	64	57.9	36	1.0	2 3	100 39	87	59.1		
	L-416	70	56.0	37	1.0	10 5	100 21	--	--		
	L-424	70	55.4	35	1.0	0 0	100 35	--	--		
	LCS News	66	55.8	33	1.0	8 4	100 28	90	57.4		
	L-Star	* 72	56.0	33	1.0	6 6	100 26	--	--		
L-Brand (Van Treeck's)	L-241	66	57.6	34	1.0	49 18	100 26	85	58.4		
L-Brand (Welter)	L-334	66	57.2	33	1.0	3 1	100 24	93	58.9		
Legacy	LW 1155	65	53.8	32	1.0	0 0	100 49	93	58.1		
	LW 1485	69	55.9	33	1.0	24 6	100 43	90	58.7		
	LW 1695	67	55.5	35	1.0	3 2	100 21	94	59.5		
	LW 1776	57	56.2	31	1.0	0 0	100 34	--	--		
	LWX 1745	* 72	56.8	34	1.0	1 1	100 24	--	--		
	LWX 1756	64	54.8	34	1.0	0 0	100 33	--	--		
Limagrain Cereal Seeds	L11550	62	56.8	32	1.0	1 1	100 38	--	--		
	L11610	63	56.8	32	1.0	4 3	100 28	--	--		
	L11617	64	56.2	28	1.0	5 5	100 35	--	--		
	L11621	66	57.3	32	1.0	0 0	100 14	--	--		
PiP	708	66	56.1	37	1.0	35 6	100 39	93	58.8		
	710	61	56.0	32	1.0	0 0	100 30	--	--		
	711	69	55.9	36	1.0	34 8	100 31	--	--		
	712	64	54.0	31	1.0	0 0	100 21	--	--		
	713	61	57.0	32	1.0	1 1	100 41	--	--		
	714	* 78	55.7	35	1.0	1 1	100 43	--	--		
	715	60	55.0	33	1.0	0 0	100 24	93	58.2		
	716	65	54.1	32	1.0	0 0	100 34	--	--		
	719	64	55.6	36	1.0	1 1	100 33	* 96	59.6		
	720	* 71	56.3	32	1.0	2 3	100 38	94	58.0		
	721	63	55.0	34	1.0	0 0	100 25	* 102	57.3		
	735	70	55.3	34	1.0	33 5	100 29	94	59.2		
	736	66	55.5	33	1.0	0 0	100 26	* 98	58.0		
	737	63	55.1	34	1.0	2 2	100 34	86	59.1		
	741	65	56.1	32	1.0	11 4	100 43	94	58.4		
	744	* 75	56.0	34	1.0	0 0	100 24	* 96	56.5		
	745	63	56.7	31	1.0	0 0	100 44	90	59.0		

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

¹ % incidence ² % severity

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Table 5. 2017 Fond du Lac Winter Wheat Performance Trial Results

continued from previous page



Brand (Entrant)	Entry	2017 means								2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Septoria I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
Pro Seed Genetics	PRO 260	62	55.5	32	1.0	34	10	100	39	85	57.2
	PRO 320A	68	56.7	38	1.0	1	1	100	20	86	58.2
	PRO 410	70	56.8	34	1.0	0	0	100	25	93	57.7
	PRO Ex 380	61	59.4	34	1.0	1	2	100	58	87	59.2
	PRO Ex 430A	62	55.9	33	1.0	2	2	100	29	--	--
Public	Erie	56	54.3	33	1.0	2	2	100	41	83	57.0
	Harpoon	68	53.9	33	1.0	1	1	100	28	--	--
	Hopewell	61	54.9	34	1.0	1	1	100	33	87	58.4
	Kaskaskia	60	58.0	39	1.0	64	15	100	36	84	59.5
	Red Devil Brand	64	57.3	36	1.0	4	6	100	29	85	59.5
	Red Dragon Brand	62	55.1	36	1.0	23	4	100	48	88	57.4
	Starburst	68	57.7	30	1.0	34	5	100	31	--	--
	Sunburst	70	58.6	31	1.0	18	6	100	39	91	60.8
	Whale	69	55.2	33	1.0	2	2	100	38	* 100	57.9
Steyer	Berwick	65	56.8	32	1.0	0	0	100	33	--	--
	Morrin	67	55.2	33	1.0	2	1	100	33	93	58.8
	STex166	65	54.6	34	1.0	1	1	100	43	--	--
	Wharton	62	56.7	33	1.0	0	0	100	24	--	--
Syngenta	SY 007	63	55.6	33	1.0	3	3	100	39	* 97	57.7
	SY 100	66	54.0	31	1.0	0	0	100	30	* 102	56.1
	SY 547	* 71	55.5	36	1.0	20	5	100	33	* 96	58.9
Van Treeck's	Bonanza	* 72	56.5	36	1.0	29	8	100	30	--	--
	XL 007	64	55.3	32	1.0	0	0	100	36	* 99	58.2
VCIA / VA Tech	Hilliard	61	56.2	33	1.0	1	1	100	46	91	59.1
	VA11W-108PA	64	56.8	33	1.0	0	0	100	36	--	--
	VA12W-31	58	57.8	29	1.0	20	5	100	35	--	--
Mean		66	55.9	33	1.0	10	3	100	32	92	58.2
LSD (.10)		7	0.8	2	NS	18	4	NS	NS	8	1.0

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

¹ % incidence ² % severity

Table 6. 2017 Sharon Winter Wheat Performance Trial Results



Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
AgriMAXX	413	105	54.3	38	1.0	4	5	114	56.5
	438	108	55.5	42	1.0	30	4	110	54.9
	444	111	55.6	39	1.0	10	5	116	57.4
	452	86	54.7	40	1.0	96	43	--	--
	454	86	51.6	39	1.0	79	44	90	55.2
	463	108	54.5	38	1.0	15	8	* 124	57.7
	464	107	54.8	40	1.0	74	14	105	56.4
	Exp 1785	108	56.0	37	1.0	9	4	--	--
	Exp 1786	* 113	55.4	39	1.0	5	4	--	--
Beck	125	104	55.6	39	1.0	93	24	112	59.5
	128	91	52.5	41	1.0	95	36	90	54.9
Diener	D491W	97	54.1	38	1.0	89	30	100	56.3
	D496W	105	54.5	36	1.0	6	6	* 120	57.0
	DXW1601	* 114	57.1	38	1.0	13	11	* 125	59.1
	DXW1701	104	55.2	37	1.0	33	4	--	--
Dyna-Gro	9522	110	55.8	40	1.0	8	3	* 119	57.8
	9701	109	56.1	40	1.0	6	3	--	--
	9750	105	54.4	37	1.0	9	5	--	--
	9772	108	54.7	41	1.0	89	24	104	56.5
	WX17782	109	55.5	37	1.0	29	3	--	--
Equity Seed	Butler	105	56.5	40	1.0	10	6	* 120	58.8
FS Seed	FS 604	89	54.3	40	1.0	98	34	--	--
	FS 615	* 112	55.8	39	1.0	8	7	110	56.6
	FS 619	110	55.8	41	1.0	61	13	--	--
	FS 622	102	57.3	39	1.0	6	8	117	60.8
	FS 624	* 115	57.2	41	1.0	3	3	* 122	58.5
	WX17A	* 118	57.0	38	1.0	5	5	--	--
Jung	5845	95	55.4	41	1.0	95	25	--	--
	5850	98	55.7	41	1.0	90	29	104	55.7
	5855	102	55.8	40	1.0	13	14	* 122	58.4
	5888	100	56.0	39	1.0	21	12	* 126	59.3
	5930	81	53.9	41	1.0	95	45	76	53.4
Kratz Farms	KF 15144	89	54.2	40	1.0	99	54	100	57.1
	KF 15241	90	54.9	42	1.0	100	36	91	57.7
	KF 15334	104	56.7	41	1.0	48	9	106	58.4
	KF 222	89	54.4	40	1.0	100	60	--	--
	KF 468	84	54.2	41	1.0	95	56	--	--
	KF 553	104	56.6	41	1.0	28	11	--	--
	KF 727	107	55.6	38	1.0	14	8	--	--

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

¹ % incidence ² % severity

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Table 6. 2017 Sharon Winter Wheat Performance Trial Results*continued from previous page*

Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
L&M Brand	1020	* 114	56.9	38	1.0	8	5	--	--
	2123	99	54.2	38	1.0	81	23	101	56.7
L-Brand (Ag Pro)	L-214	106	55.2	38	1.0	8	8	--	--
	L-304	97	58.2	43	1.0	27	10	108	60.7
	L-416	* 113	56.1	43	1.0	86	21	--	--
	L-424	109	55.2	42	1.0	7	5	--	--
	LCS News	105	55.3	39	1.0	71	20	109	55.9
	L-Star	* 116	56.2	39	1.0	36	11	--	--
L-Brand (Van Treeck's)	L-241	82	54.0	39	1.0	100	46	94	57.7
L-Brand (Welter)	L-334	105	57.0	40	1.0	21	6	108	58.7
Legacy	LW 1155	107	54.2	38	1.0	4	7	* 122	57.7
	LW 1485	103	54.5	39	1.0	99	23	87	56.3
	LW 1695	107	55.8	42	1.0	53	20	110	56.3
	LW 1776	107	55.6	38	1.0	10	5	--	--
	LWX 1745	* 113	56.8	38	1.0	23	12	--	--
	LWX 1756	106	54.1	38	1.0	2	2	--	--
Limagrain Cereal Seeds	L11550	106	56.5	42	1.0	13	6	--	--
	L11610	* 113	56.4	39	1.0	41	15	--	--
	L11617	105	56.8	36	1.0	53	9	--	--
	L11621	* 114	57.7	41	1.0	4	2	--	--
PiP	708	96	54.2	43	1.0	93	18	* 123	59.1
	710	105	55.4	37	1.0	9	4	--	--
	711	105	54.9	41	1.0	91	11	--	--
	712	103	54.2	37	1.0	8	6	--	--
	713	105	57.3	36	1.0	19	6	--	--
	714	110	54.6	39	1.0	7	4	--	--
	715	101	55.6	40	1.0	11	9	* 126	58.2
	716	* 112	54.3	38	1.0	3	7	--	--
	719	102	56.1	41	1.0	54	17	104	55.9
	720	107	55.4	39	1.0	11	12	117	58.3
	721	106	55.1	41	1.0	39	5	113	55.4
	735	94	53.6	39	1.0	99	41	102	56.9
	736	* 114	55.9	41	1.0	9	4	113	56.9
	737	109	56.5	38	1.0	51	9	116	59.4
	741	102	55.7	38	1.0	93	22	107	58.4
	744	106	54.9	39	1.0	4	6	* 118	56.6
	745	* 113	56.9	38	1.0	10	4	115	59.0

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

¹ % incidence ² % severity*continued on next page*

Table 6. 2017 Sharon Winter Wheat Performance Trial Results*continued from previous page*

Brand (Entrant)	Entry	2017 means						2016 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Stripe rust I% ¹ S% ²		Yield (bu/a)	Test wt. (lb/bu)
Pro Seed Genetics	PRO 260	103	55.1	40	1.0	89	24	115	56.7
	PRO 320A	101	55.0	46	1.0	43	19	112	57.9
	PRO 410	* 113	56.8	40	1.0	21	7	* 121	58.3
	PRO Ex 380	105	58.5	39	1.0	49	10	117	61.5
	PRO Ex 430A	108	55.6	42	1.0	40	6	--	--
Public	Erie	84	55.2	38	1.0	28	6	92	55.9
	Harpoon	108	54.5	37	1.0	5	5	--	--
	Hopewell	82	53.9	42	1.0	36	8	95	57.1
	Kaskaskia	85	56.5	45	1.0	100	60	87	57.4
	Red Devil Brand	99	56.1	40	1.0	19	8	111	55.9
	Red Dragon Brand	95	53.6	43	1.0	99	39	106	57.4
	Starburst	101	58.3	33	1.0	41	10	--	--
	Sunburst	91	58.1	34	1.0	20	24	107	60.0
	Whale	97	55.7	38	1.0	12	7	* 126	59.4
Steyer	Berwick	108	56.0	36	1.0	17	3	--	--
	Morrin	99	55.8	39	1.0	9	6	* 125	59.2
	STex166	110	53.9	37	1.0	3	5	--	--
	Wharton	109	56.4	36	1.0	8	4	--	--
Syngenta	SY 007	106	55.8	40	1.0	8	8	112	57.5
	SY 100	109	53.1	38	1.0	5	5	115	54.7
	SY 547	105	56.2	41	1.0	81	14	108	58.3
Van Treeck's	Bonanza	105	55.4	40	1.0	99	29	--	--
	XL 007	111	56.1	40	1.0	5	7	* 120	57.6
VCIA / VA Tech	Hilliard	106	56.9	41	1.0	17	3	117	59.1
	VA11W-108PA	103	56.5	42	1.0	3	3	--	--
	VA12W-31	100	56.2	39	1.0	64	18	--	--
Mean		103	55.5	39	1.0	40	15	106	57.4
LSD (.10)		6	0.7	2	NS	19	11	8	0.7
* Yield is not significantly different (0.10 level) than that of the highest yielding cultivar ¹ % incidence ² % severity									