

A3868

# Wisconsin Winter Wheat Performance Trials

# 2021

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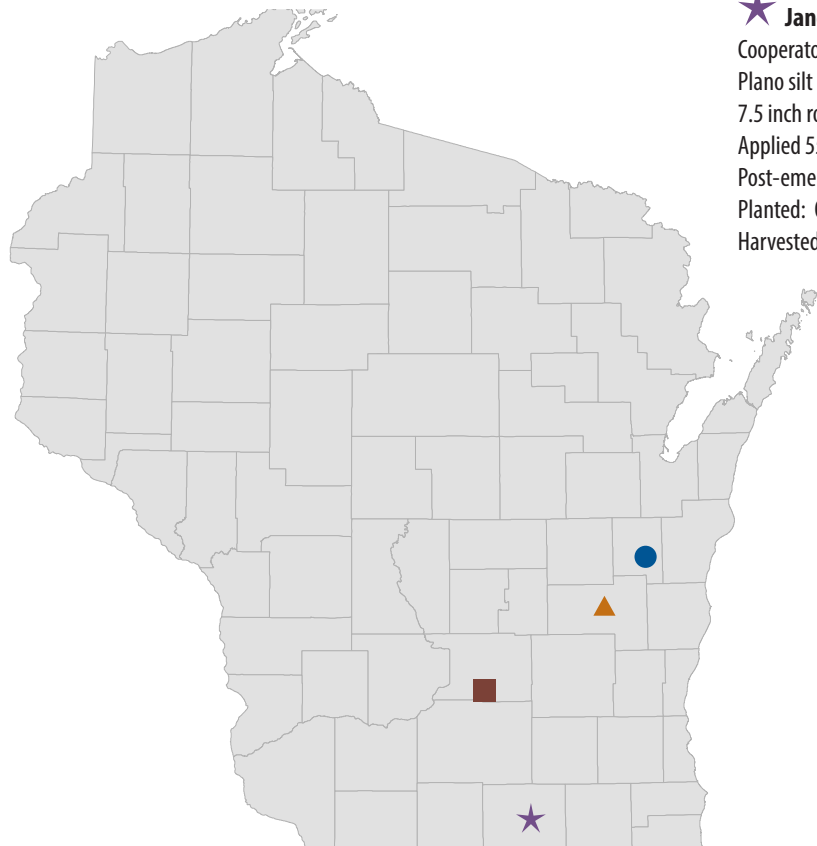
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The Wisconsin Winter Wheat Performance Trials are conducted each year to give growers information to select the best-performing varieties that will satisfy their specific goals. The performance trials are conducted each year at four locations in Wisconsin: Arlington, Chilton, Fond du Lac and Janesville. 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  
 Mendota silt loam  
 7.5 inch row spacing  
 Applied 55 lb N/a  
 Post-emergent herbicide: None  
 Planted: September 24, 2020  
 Harvested: July 20, 2021

**★ Janesville**  
 Cooperator: Rock County Farm / Scott Fleming  
 Plano silt loam  
 7.5 inch row spacing  
 Applied 55 lb N/a  
 Post-emergent herbicide: None  
 Planted: October 8, 2020  
 Harvested: July 19, 2021



**■ Arlington**  
 Cooperator: Mike Bertram  
 Plano silt loam  
 7.5 inch row spacing  
 Applied 55 lb N/a  
 Post-emergent herbicide: None  
 Planted: September 25, 2020  
 Harvested: July 19, 2021

**● Chilton**  
 Cooperator: Kolbe Seed Farms  
 Kewaunee loam  
 7.5 inch row spacing  
 Applied 55 lb N/a  
 Post-emergent herbicide: None  
 Planted: September 23, 2020  
 Harvested: July 20, 2021

## Acres and Growing Conditions

Wisconsin saw a 63% increase in winter wheat acres planted (260,000) in the 2021-2022 growing season compared to the previous year; 240,000 acres are forecasted to be harvested for grain, compared to 125,000 in 2021. The forecasted yield for the 2021 crop is 71 bu/a, up 2 bu/a from 2021. Wheat acres were generally planted on time with corn and soybean harvest progressing earlier than average. Mild winter conditions and adequate snowfall resulted in good winter survival. Wheat broke dormancy in early April and crop development was ahead of normal due to dryer conditions and greater than average GDU accumulation. In general, the crop was relatively short in stature.

Overall, winter wheat yield was higher and test weights lower in 2021. Wheat yields at the Arlington, Chilton, Fond du Lac and Janesville locations averaged 114, 112, 117, and 98 bu/a, respectively.

\* Source: USDA National Agricultural Statistics Service ([www.nass.usda.gov](http://www.nass.usda.gov))

## Diseases

Statewide, winter wheat disease pressure was the lowest it has been in several years. The hot, dry weather during much of the stem elongation, flag leaf emergence, heading, and anthesis stages, meant that infection was low or non-existent by the primary pathogens of wheat in Wisconsin. An exception in 2021 was the occurrence of powdery mildew that could be found on some susceptible varieties. The powdery mildew pathogen (*Blumeria graminis* f. sp. *tritici*) thrives in cool, dry, but humid conditions. For the most part the powdery mildew pathogen was slowed, once daytime temperatures were consistently above 81 F.

Other disease occurred intermittently depending on location and variety. Septoria leaf blotch was found at all locations, but was at low levels and mostly remained in the lower canopy only advancing to the flag leaf at dry-down.

Stripe rust was found at extremely low levels at all locations. Again, the hot, dry weather mid-season kept this disease in check and was a novelty occurring on single flag leaves in only a few plots. Leaf rust was observed at all locations as well, but this disease moved in late enough in the season that its impact on yield was non-existent.

Fusarium head blight (FHB) caused by *Fusarium graminearum* was only observed on a handful of heads at the Fond du Lac and Chilton locations. Extremely dry and hot weather at anthesis kept this historically problematic disease well under control in Wisconsin this season.

Finally, due to extremely low levels of disease at all locations which did not impact yield, no formal disease ratings were conducted in 2021.



## 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 3](#) 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.

### At Planting

**Site details:** Summarized on page 3.

**Seedbed preparation:** Conventional and no-till methods.

**Seeding rate:** 1.75 million seeds per acre.

**Seed treatments:** Identified in Table 2.

**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 3-7. Data for both 2020 and 2021 are provided if the variety was entered in the 2020 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.

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](http://learningstore.uwex.edu)

The Wisconsin Certified Seed Directory available at [wcia.wisc.edu](http://wcia.wisc.edu)

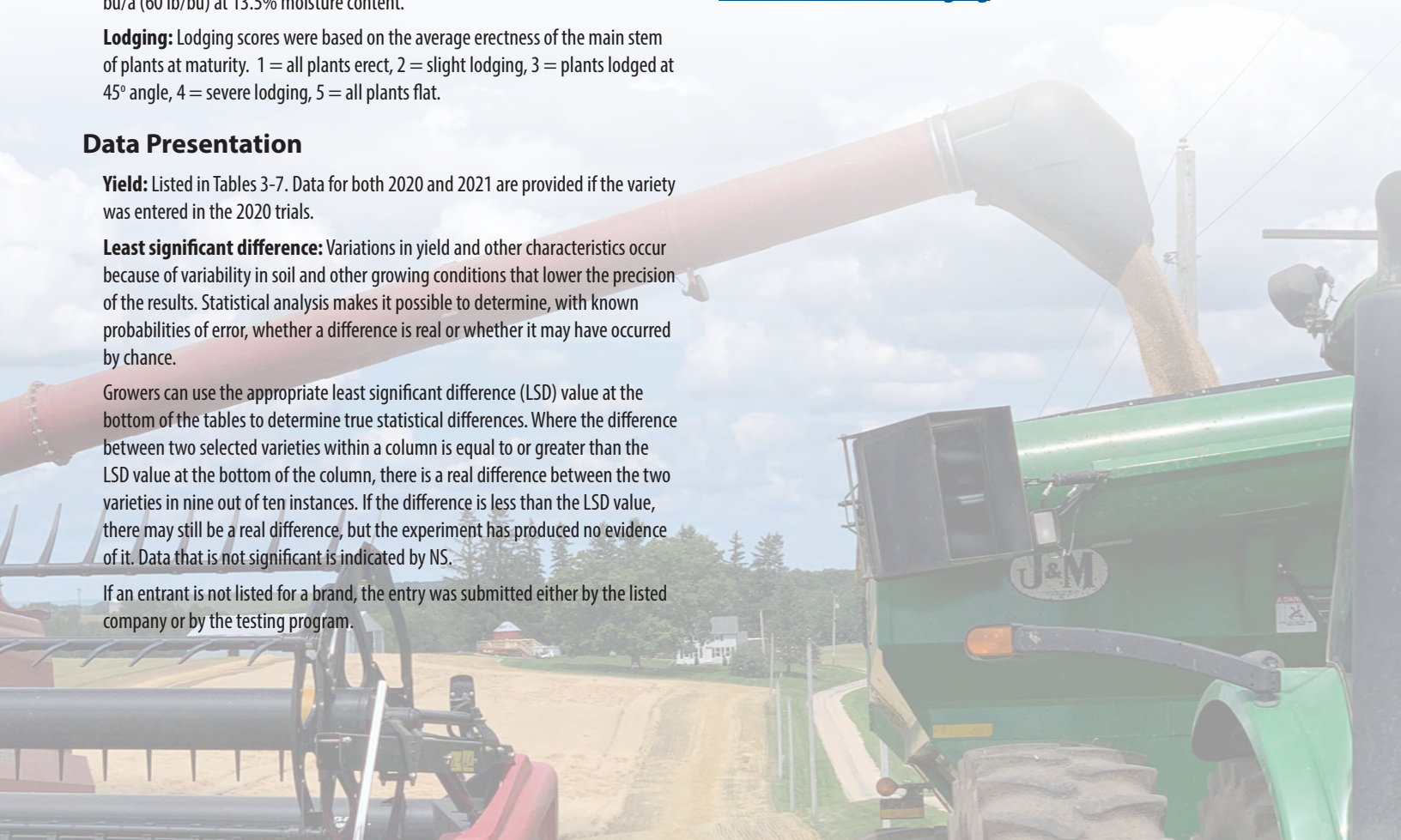
For information on seed availability of public varieties, contact:

**Wisconsin Crop Improvement Association**  
8520 University Green  
Middleton, WI 53562  
(800) 892-1341, [wcia.wisc.edu](http://wcia.wisc.edu)

To access crop performance testing information electronically, visit: [www.coolbean.info](http://www.coolbean.info)

For more information on wheat production please also follow Dr. Conley on Twitter@badgerbean

Please click for [A Visual Guide to Winter Wheat Development and Growth Staging](#)



## Table 1. 2021 Company Information

Brand (Entrant)	Company Name	Phone	Website
AgriMAXX	AgriMAXX Wheat Company	(855) 629-9432	<a href="http://www.agrimaxxwheat.com">www.agrimaxxwheat.com</a>
AgriPro	AgriPro	(815) 370-3291	<a href="http://www.growprogenetics.com">www.growprogenetics.com</a>
CROPLAN by Winfield United	WinField United	(855) 494-6343	<a href="http://www.CROPLAN.com">www.CROPLAN.com</a>
Diener	BioTown Seeds Inc.	(219) 984-6038	<a href="http://www.biotownseeds.com">www.biotownseeds.com</a>
Dyna-Gro	Dyna-Gro Seed	(608) 756-2934	<a href="http://www.dynagroseed.com">www.dynagroseed.com</a>
FS InSPIRE Wheat	GROWMARK, Inc.	(309) 242-3439	<a href="http://www.fsseeds.com">www.fsseeds.com</a>
Jung	Jung Seed Genetics	(800) 242-1855	<a href="http://www.jungseedgenetics.com">www.jungseedgenetics.com</a>
Kennel Seed Farms	Kennel Seed Farms	(608) 379-0585	
KF Brand	Kratz Farms LLC	(262) 305-6631	<a href="http://www.kratzfarms.com">www.kratzfarms.com</a>
KWS Cereals	KWS Cereals	(217) 800-1008	<a href="http://www.kws.com">www.kws.com</a>
L-Brand (Ag Pro)	Ag Pro Enterprises, LLC	(920) 904-1758	<a href="http://www.limagraincerealseeds.com">www.limagraincerealseeds.com</a>
L-Brand (Welter)	Welter Seed and Honey Company	(800) 470-3325	<a href="http://www.welterseed.com">www.welterseed.com</a>
LCS (Albert Lea)	Albert Lea Seed	(800) 352-5247	<a href="http://www.alseed.com">www.alseed.com</a>
Legacy	Legacy Seeds Inc.	(715) 467-2555	<a href="http://www.legacyseeds.com">www.legacyseeds.com</a>
MCIA	Michigan Crop Improvement Association	(517) 332-3546	<a href="http://www.michcrop.com">www.michcrop.com</a>
MSU	Michigan State University	(517) 353-0142	<a href="http://wheat.psm.msu.edu">wheat.psm.msu.edu</a>
Pioneer	Corteva Agriscience	(515) 535-3200	<a href="http://www.pioneer.com">www.pioneer.com</a>
PiP	Partners in Production	(608) 335-2112	<a href="http://www.pipseeds.com">www.pipseeds.com</a>
Pro Seed Genetics	Pro Seed Genetics Cooperative	(920) 255-1361	
Public	WI Foundation Seeds	(608) 262-9954	<a href="http://www.wisconsinfoundationseeds.wisc.edu">www.wisconsinfoundationseeds.wisc.edu</a>
U of IL (Albert Lea)	Albert Lea Seed	(800) 352-5247	<a href="http://www.alseed.com">www.alseed.com</a>
Van Treck's	Van Treck's Seed Farm	(920) 467-2422	

## Table 2. 2021 Entered Varieties and Seed Treatments

Brand (Entrant)	Variety	Seed Treatment(s)	Brand (Entrant)	Variety	Seed Treatment(s)
<b>AgriMAXX</b>	485	PRIME ST	<b>Diener</b>	D480W	CruiserMaxx, Vibrance
	498	PRIME ST		D491W	Resonate, Warden Cereals II
	503	PRIME ST		D499W	CruiserMaxx, Vibrance
	505	PRIME ST		D504W	CruiserMaxx, Vibrance
	513	PRIME ST	<b>Dyna-Gro</b>	9002	Awaken ST, Foothold Virock
	516	PRIME ST		9070	Awaken ST, Foothold Virock
<b>AgriPro</b>	SY 100	CruiserMaxx, Vibrance	9120	Awaken ST, Foothold Virock	
	SY 547	CruiserMaxx, Vibrance	9172	Awaken ST, Foothold Virock	
	SY 576	CruiserMaxx, Vibrance	9182	Awaken ST, Foothold Virock	
	SY Viper	CruiserMaxx, Vibrance	9862	Awaken ST, Foothold Virock	
<b>CROPLAN</b> by Winfield United	CP8007	Resonate, Warden Cereals II	WX20734	Awaken ST, Foothold Virock	
	CP8022	Resonate, Warden Cereals II	WX20738	Awaken ST, Foothold Virock	
	CP8081	Resonate, Warden Cereals II			

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## Table 2. 2021 Entered Varieties and Seed Treatments

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Brand (Entrant)	Variety	Seed Treatment(s)	Brand (Entrant)	Variety	Seed Treatment(s)	
<b>FS InSPIRE Wheat</b>	FS 600	CruiserMaxx Vibrance	<b>Legacy</b>	LW 1785	SabrEx, Tebustar	
	FS 601	CruiserMaxx Vibrance		LW 2022	CruiserMaxx, Vibrance	
	FS 603	CruiserMaxx Vibrance		LW 2023	CruiserMaxx, Vibrance	
	FS 616	CruiserMaxx Vibrance		LWX 2011	CruiserMaxx, Vibrance	
	FS 623	CruiserMaxx Vibrance		LWX 2012	CruiserMaxx, Vibrance	
	FS 624	CruiserMaxx Vibrance		LWX 2021	CruiserMaxx, Vibrance	
	WX21B	CruiserMaxx Vibrance		LWX 2024	CruiserMaxx, Vibrance	
	WX21C	CruiserMaxx Vibrance		LWX 2025	CruiserMaxx, Vibrance	
	WX21D	CruiserMaxx Vibrance	<b>MCIA</b>	Harpoon	Athena	
	WX21E	CruiserMaxx Vibrance		Whale	Ceres US IM	
	<b>Jung</b>	WX21F	CruiserMaxx Vibrance	<b>MSU</b>	MI16R0898	Dividend Extreme
WX21G		CruiserMaxx Vibrance	<b>Pioneer</b>		25R25	LumiGEN
5855		CruiserMaxx, Vibrance Extreme		25R40	LumiGEN	
5888		CruiserMaxx, Vibrance Extreme		25R74	LumiGEN	
<b>Kennell Seed Farms</b>		5915	CruiserMaxx, Vibrance Extreme	<b>PiP</b>	704	Charter, imidacloprid
		5920	CruiserMaxx, Vibrance Extreme		705	Charter, imidacloprid
		5930	CruiserMaxx, Vibrance Extreme		706	Charter, imidacloprid
	KS 1618	Ceres US IM	709		Charter, imidacloprid	
	KS 1850	Ceres US IM	715		Charter, imidacloprid	
<b>KF Brand</b>	KF 15241	Vibrance Extreme	735		Charter, imidacloprid	
	KF 15639	Vibrance Extreme	750		Charter, imidacloprid	
	KF 667	Vibrance Extreme	762	Charter, imidacloprid		
	KF 727	Vibrance Extreme	790	Charter, imidacloprid		
	KF 809	Vibrance Extreme	791	Charter, imidacloprid		
	KF 920	Vibrance Extreme	793	Charter, imidacloprid		
<b>KWS Cereals</b>	KWS341	CruiserMaxx Vibrance	794	Charter, imidacloprid		
	KWS361	CruiserMaxx Vibrance	795	Charter, imidacloprid		
	KWS375	CruiserMaxx Vibrance	796	Charter, imidacloprid		
<b>L-Brand (Ag Pro)</b>	L-424	SabrEx, Tebustar	797	Charter, imidacloprid		
	L-430	SabrEx, Tebustar	<b>Pro Seed Genetics</b>	PRO 410	Sebring 318, Sativa 309	
	L-444	SabrEx, Tebustar		PRO 450	none	
	L-448	SabrEx, Tebustar		PRO Ex 480A	Charter, imidacloprid	
	L-Star	SabrEx, Tebustar	<b>Public</b>	Sunburst	Athena	
	L-Star II	SabrEx, Tebustar		<b>U of IL (Albert Lea)</b>	Erisman	Apron, metalaxyl
<b>L-Brand (Welter)</b>	L-334	SabrEx, Tebustar	<b>Van Treeck's</b>	Gold Reserve	CruiserMaxx, Vibrance	
<b>LCS (Albert Lea)</b>	LCS 3334	Apron, metalaxyl		L 920	CruiserMaxx, Vibrance	

**Table 3. 2021 Combined Winter Wheat Performance Trial Results**

Brand (Entrant)	Entry	2021 4-test average		■ Arlington		● Chilton		▲ Fond du Lac		★ Janesville		2020 <sup>1</sup> 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)	Test wt. (lb/bu)	
AgriMAXX	485	112	56.0	116	55.9	115	56.1	119	56.1	98	55.9	95
	498	109	54.9	115	55.1	108	54.0	113	55.0	* 101	55.5	97
	503	111	55.3	112	54.9	114	55.7	118	54.7	* 103	55.7	97
	505	111	57.0	116	56.8	117	57.2	115	56.9	98	57.1	94
	513	110	55.9	114	56.1	108	55.6	120	55.6	99	56.3	--
	516	112	55.0	119	54.5	105	55.4	123	55.1	* 103	55.1	--
AgriPro	SY 100	* 114	53.2	116	52.6	115	52.6	118	53.4	* 108	54.2	--
	SY 547	113	56.2	111	55.7	* 122	57.1	123	56.5	98	55.8	97
	SY 576	106	54.4	112	53.9	106	53.9	110	55.0	96	55.0	94
	SY Viper	109	56.6	118	57.1	113	56.4	112	56.6	92	56.5	* 102
CROPLAN by Winfield United	CP8007	* 119	55.4	* 128	54.8	118	55.8	* 127	55.8	* 106	55.1	--
	CP8022	109	54.9	113	54.2	114	55.7	113	54.9	97	54.9	93
	CP8081	111	56.3	116	55.8	110	56.3	118	56.3	* 102	56.8	* 99
Diener	D480W	107	55.1	110	54.7	113	55.8	112	54.2	95	55.8	97
	D491W	112	54.7	114	54.1	110	55.1	118	54.2	* 105	55.4	* 101
	D499W	108	56.6	109	56.0	114	56.8	115	56.6	93	56.9	96
	D504W	* 115	54.9	118	54.7	* 119	55.5	* 127	54.6	99	54.9	* 99
Dyna-Gro	9002	110	55.2	116	55.2	109	54.8	115	54.6	* 103	56.2	97
	9070	110	55.4	109	55.4	117	55.3	121	54.7	95	56.2	95
	9120	111	57.3	111	57.1	117	57.5	* 131	57.7	91	57.1	* 98
	9172	113	55.1	112	54.3	115	55.6	* 124	55.3	* 103	55.4	* 98
	9182	110	55.2	114	54.8	115	55.7	114	54.7	96	55.7	97
	9862	108	55.8	112	55.5	106	55.6	115	56.0	* 101	56.1	97
	WX20734	* 115	56.0	* 120	55.8	* 119	55.9	116	55.7	* 104	56.5	--
	WX20738	109	56.2	116	55.9	110	56.4	113	56.0	97	56.6	--
FS InSPIRE Wheat	FS 600	* 114	57.0	116	56.9	117	57.2	121	56.7	* 105	57.3	--
	FS 601	107	54.2	112	53.7	111	54.4	113	54.2	93	54.5	94
	FS 603	108	56.2	118	56.1	106	56.0	111	56.3	98	56.3	92
	FS 616	109	56.6	118	56.2	110	56.6	116	56.7	95	56.8	95
	FS 623	* 115	55.4	119	54.9	117	55.8	118	54.6	* 106	56.0	* 98
	FS 624	111	56.3	* 122	55.8	109	56.6	115	56.7	* 101	56.2	95
	WX21B	* 115	55.3	* 120	54.7	* 120	56.0	122	55.2	* 100	55.2	--
	WX21C	113	55.9	118	55.7	114	55.9	123	55.6	* 100	56.3	--
	WX21D	109	56.1	114	56.1	116	55.3	114	56.3	93	56.8	--
	WX21E	111	55.5	119	55.6	113	55.4	112	55.5	* 101	55.7	--
	WX21F	113	55.2	115	54.7	* 119	55.5	119	54.9	* 101	55.7	--
	WX21G	* 115	54.5	* 122	54.4	115	54.2	* 128	54.2	99	55.2	--

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

<sup>1</sup> 4-test sites were Arlington, Chilton, Fond du Lac, and Sharon

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### Table 3. 2021 Combined Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 4-test average		■ Arlington		● Chilton		▲ Fond du Lac		★ Janesville		2020 <sup>1</sup> 4-test average 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)	
<b>Jung</b>	5855	105	56.2	106	55.2	107	57.4	112	57.0	96	55.1	92
	5888	102	55.6	105	55.5	113	56.1	109	55.5	85	55.5	93
	5915	102	56.1	105	56.2	101	55.7	113	56.2	93	56.5	90
	5920	103	56.6	104	56.3	106	56.6	108	57.1	96	56.4	--
	5930	105	56.6	108	56.5	104	56.7	113	57.0	96	56.2	93
<b>Kennell Seed Farms</b>	KS 1618	112	56.1	112	56.0	117	56.1	122	55.8	99	56.5	96
	KS 1850	103	55.5	107	55.5	105	54.6	101	55.1	98	56.8	--
<b>KF Brand</b>	KF 15241	103	56.5	111	56.7	102	56.1	103	56.3	97	56.9	93
	KF 15639	107	56.4	107	56.0	114	56.9	107	56.1	* 100	56.5	97
	KF 667	* 115	56.9	* 122	57.1	* 123	56.3	118	56.7	97	57.3	* 98
	KF 727	109	55.3	114	55.4	110	55.3	119	55.0	95	55.5	96
	KF 809	* 118	55.1	* 121	54.8	* 126	54.6	120	55.3	* 108	55.8	* 99
	KF 920	111	56.7	118	57.2	112	55.3	117	56.7	97	57.6	--
<b>KWS Cereals</b>	KWS341	101	56.4	110	56.7	108	55.4	114	56.4	77	57.0	--
	KWS361	108	55.3	105	54.4	112	56.0	116	55.7	* 101	55.1	--
	KWS375	106	56.5	106	56.2	113	56.6	115	56.7	93	56.4	--
<b>L-Brand (Ag Pro)</b>	L-424	112	56.0	* 120	56.0	107	54.9	* 126	56.8	99	56.4	93
	L-430	109	56.5	* 120	56.6	109	55.9	115	55.9	93	57.6	95
	L-444	111	55.8	116	56.1	107	54.0	121	56.0	* 102	57.1	--
	L-448	106	55.0	112	54.5	110	55.0	111	53.5	93	56.9	--
	L-Star	107	55.6	104	55.6	108	56.0	114	55.5	* 101	55.3	97
	L-Star II	* 115	55.0	* 120	55.2	118	54.0	119	55.2	* 105	55.8	--
<b>L-Brand (Welter)</b>	L-334	105	56.8	112	56.6	106	56.6	108	56.9	97	57.2	90
<b>LCS (Albert Lea)</b>	LCS 3334	104	57.0	105	57.2	113	56.5	109	57.3	94	57.0	92
<b>Legacy</b>	LW 1785	103	54.0	107	54.0	106	54.5	110	53.2	90	54.5	94
	LW 2022	104	56.4	107	56.1	112	56.4	111	56.2	88	56.8	97
	LW 2023	* 114	55.0	* 126	55.0	108	55.0	122	54.7	* 103	55.1	* 98
	LWX 2011	109	55.6	113	55.7	107	56.0	117	54.6	* 100	56.1	97
	LWX 2012	107	55.3	112	54.7	115	55.7	114	55.0	91	55.7	* 99
	LWX 2021	113	55.3	113	54.9	113	55.8	* 124	54.7	* 104	55.8	97
	LWX 2024	113	56.0	115	55.9	111	55.9	122	55.4	* 107	56.6	--
	LWX 2025	111	56.0	116	56.0	113	55.3	122	56.0	94	56.7	--
<b>MCIA</b>	Harpoon	108	54.4	112	54.4	107	54.4	119	54.0	96	54.8	93
	Whale	105	56.1	108	55.6	108	57.2	114	56.2	93	55.3	--
<b>MSU</b>	MI16R0898	113	55.1	116	54.8	114	54.9	* 124	55.5	* 100	55.2	--
<b>Pioneer</b>	25R25	107	54.8	106	54.6	118	54.7	111	55.1	94	55.0	94
	25R40	* 114	55.7	* 120	55.5	118	55.6	123	55.4	97	56.1	* 100
	25R74	109	55.5	113	55.3	109	55.9	123	55.4	95	55.5	* 98

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

<sup>1</sup> 4-test sites were Arlington, Chilton, Fond du Lac, and Sharon

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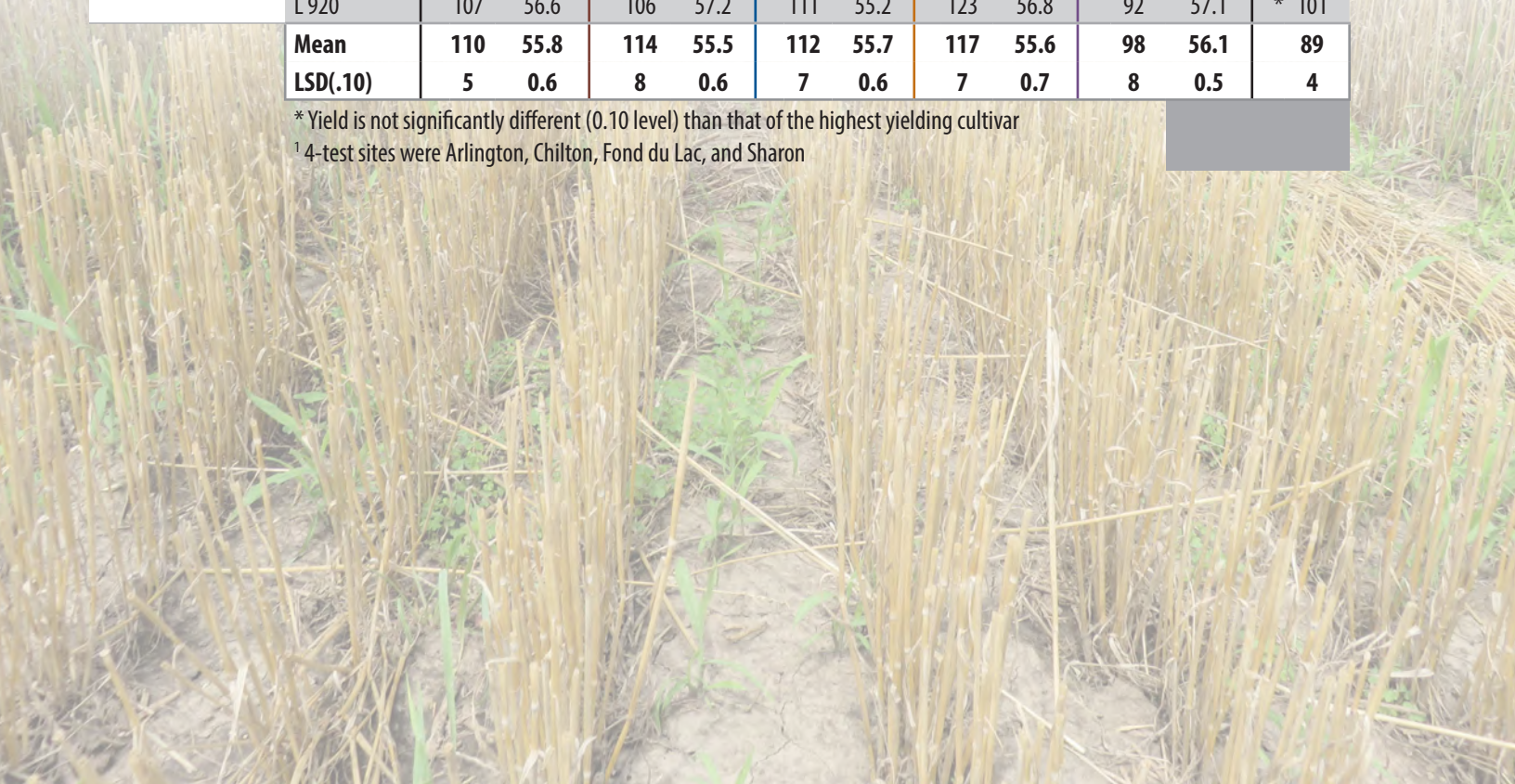
# Table 3. 2021 Combined Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 4-test average		■ Arlington		● Chilton		▲ Fond du Lac		★ Janesville		2020 <sup>1</sup> 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)	Test wt. (lb/bu)	
PiP	704	112	55.0	* 121	54.1	110	55.6	* 124	53.3	97	56.8	* 99
	705	111	55.2	116	54.7	113	55.9	118	54.6	98	55.6	96
	706	107	55.5	110	54.9	109	55.7	119	55.9	94	55.6	96
	709	110	56.7	117	57.4	113	55.6	* 124	56.3	90	57.4	--
	715	106	55.1	107	54.7	104	55.1	118	55.0	98	55.5	* 98
	735	109	55.0	110	54.4	109	55.6	117	54.4	* 102	55.4	* 98
	750	108	56.1	114	54.9	106	56.1	118	56.3	96	57.0	92
	762	111	56.1	115	55.7	113	56.0	122	56.1	97	56.4	97
	790	* 115	55.2	118	54.9	116	55.8	120	55.2	* 107	55.2	* 99
	791	113	57.2	118	57.1	118	57.4	123	57.2	94	57.2	* 98
	793	108	56.2	115	56.2	109	55.2	109	56.3	99	57.0	--
	794	108	55.4	110	55.5	109	55.3	117	55.3	98	55.6	--
	795	* 115	55.0	* 124	54.8	118	55.4	123	54.5	99	55.4	--
	796	* 116	54.8	* 122	54.7	115	54.2	118	55.0	* 108	55.3	--
	797	110	56.0	111	55.8	110	55.5	120	56.2	* 103	56.3	--
Pro Seed Genetics	PRO 410	111	56.6	118	56.2	112	56.7	117	57.2	99	56.3	87
	PRO 450	101	55.7	104	55.1	109	56.7	108	55.3	84	55.9	93
	PRO Ex 480A	106	55.8	109	55.8	108	54.9	111	55.7	96	56.8	--
Public	Sunburst	108	58.0	112	57.5	111	58.4	115	58.3	95	57.7	88
U of IL (Albert Lea)	Erismar	98	57.3	105	57.2	104	58.1	101	56.4	82	57.5	90
Van Treck's	Gold Reserve	107	56.3	114	56.3	110	56.0	113	55.9	95	56.9	95
	L 920	107	56.6	106	57.2	111	55.2	123	56.8	92	57.1	* 101
<b>Mean</b>		<b>110</b>	<b>55.8</b>	<b>114</b>	<b>55.5</b>	<b>112</b>	<b>55.7</b>	<b>117</b>	<b>55.6</b>	<b>98</b>	<b>56.1</b>	<b>89</b>
<b>LSD(.10)</b>		<b>5</b>	<b>0.6</b>	<b>8</b>	<b>0.6</b>	<b>7</b>	<b>0.6</b>	<b>7</b>	<b>0.7</b>	<b>8</b>	<b>0.5</b>	<b>4</b>

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

<sup>1</sup> 4-test sites were Arlington, Chilton, Fond du Lac, and Sharon



**Table 4. 2021 Arlington Winter Wheat Performance Trial Results**

Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>AgriMAXX</b>	485	116	55.9	34	1.0	90	56.1
	498	115	55.1	37	1.0	* 97	55.4
	503	112	54.9	36	1.0	93	56.2
	505	116	56.8	35	1.0	92	57.4
	513	114	56.1	37	1.0	--	--
	516	119	54.5	36	1.0	--	--
<b>AgriPro</b>	SY 100	116	52.6	34	1.0	--	--
	SY 547	111	55.7	37	1.0	92	56.8
	SY 576	112	53.9	37	1.0	87	56.0
	SY Viper	118	57.1	38	1.0	*100	57.6
<b>CROPLAN</b> by Winfield United	CP8007	* 128	54.8	31	1.0	--	--
	CP8022	113	54.2	34	1.0	* 94	55.9
	CP8081	116	55.8	36	1.0	90	57.4
<b>Diener</b>	D480W	110	54.7	35	1.0	* 94	56.0
	D491W	114	54.1	36	1.0	* 96	55.8
	D499W	109	56.0	36	1.0	* 95	57.0
	D504W	118	54.7	35	1.0	* 96	56.1
<b>Dyna-Gro</b>	9002	116	55.2	39	1.0	93	55.6
	9070	109	55.4	35	1.3	93	55.0
	9120	111	57.1	36	1.0	*100	58.1
	9172	112	54.3	36	1.0	* 96	56.0
	9182	114	54.8	35	1.3	91	56.1
	9862	112	55.5	34	1.0	* 94	56.3
	WX20734	* 120	55.8	35	1.0	--	--
	WX20738	116	55.9	38	1.0	--	--
<b>FS InSPIRE Wheat</b>	FS 600	116	56.9	37	1.0	--	--
	FS 601	112	53.7	36	1.5	90	54.6
	FS 603	118	56.1	35	1.0	88	57.4
	FS 616	118	56.2	38	1.0	89	57.1
	FS 623	119	54.9	36	1.0	91	56.2
	FS 624	* 122	55.8	36	1.0	92	56.3
	WX21B	* 120	54.7	37	1.0	--	--
	WX21C	118	55.7	35	1.3	--	--
	WX21D	114	56.1	37	1.0	--	--
	WX21E	119	55.6	35	1.0	--	--
	WX21F	115	54.7	36	1.0	--	--
	WX21G	* 122	54.4	36	1.0	--	--

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

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**Table 4.** 2021 Arlington Winter Wheat Performance Trial Results

continued from previous page

Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>Jung</b>	5855	106	55.2	35	1.0	87	55.6
	5888	105	55.5	41	1.0	83	54.9
	5915	105	56.2	36	1.0	87	56.3
	5920	104	56.3	40	1.0	--	--
	5930	108	56.5	41	1.0	90	56.7
<b>Kennell Seed Farms</b>	KS 1618	112	56.0	36	1.0	92	55.8
	KS 1850	107	55.5	35	1.0	--	--
<b>KF Brand</b>	KF 15241	111	56.7	37	1.0	88	57.2
	KF 15639	107	56.0	41	1.0	90	56.9
	KF 667	* 122	57.1	36	1.0	* 94	56.5
	KF 727	114	55.4	37	1.0	90	56.3
	KF 809	* 121	54.8	34	1.0	* 94	55.2
	KF 920	118	57.2	37	1.3	--	--
<b>KWS Cereals</b>	KWS341	110	56.7	36	1.0	--	--
	KWS361	105	54.4	38	1.0	--	--
	KWS375	106	56.2	34	1.0	--	--
<b>L-Brand (Ag Pro)</b>	L-424	* 120	56.0	35	1.0	88	55.5
	L-430	* 120	56.6	37	1.0	* 94	57.9
	L-444	116	56.1	36	1.0	--	--
	L-448	112	54.5	35	1.0	--	--
	L-Star	104	55.6	39	1.0	* 94	55.9
	L-Star II	* 120	55.2	33	1.0	--	--
<b>L-Brand (Welter)</b>	L-334	112	56.6	39	1.0	85	56.7
<b>LCS (Albert Lea)</b>	LCS 3334	105	57.2	37	1.0	90	57.0
<b>Legacy</b>	LW 1785	107	54.0	35	1.0	93	55.0
	LW 2022	107	56.1	37	1.0	92	57.3
	LW 2023	* 126	55.0	37	1.0	* 94	56.3
	LWX 2011	113	55.7	36	1.0	93	55.4
	LWX 2012	112	54.7	33	1.0	89	56.5
	LWX 2021	113	54.9	36	1.0	91	56.0
	LWX 2024	115	55.9	34	1.0	--	--
	LWX 2025	116	56.0	37	1.0	--	--
<b>MCIA</b>	Harpoon	112	54.4	35	1.3	87	55.0
	Whale	108	55.6	37	1.0	--	--
<b>MSU</b>	MI16R0898	116	54.8	36	1.0	--	--
<b>Pioneer</b>	25R25	106	54.6	35	1.0	* 94	55.7
	25R40	* 120	55.5	34	1.0	92	56.0
	25R74	113	55.3	34	1.0	* 95	56.3

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

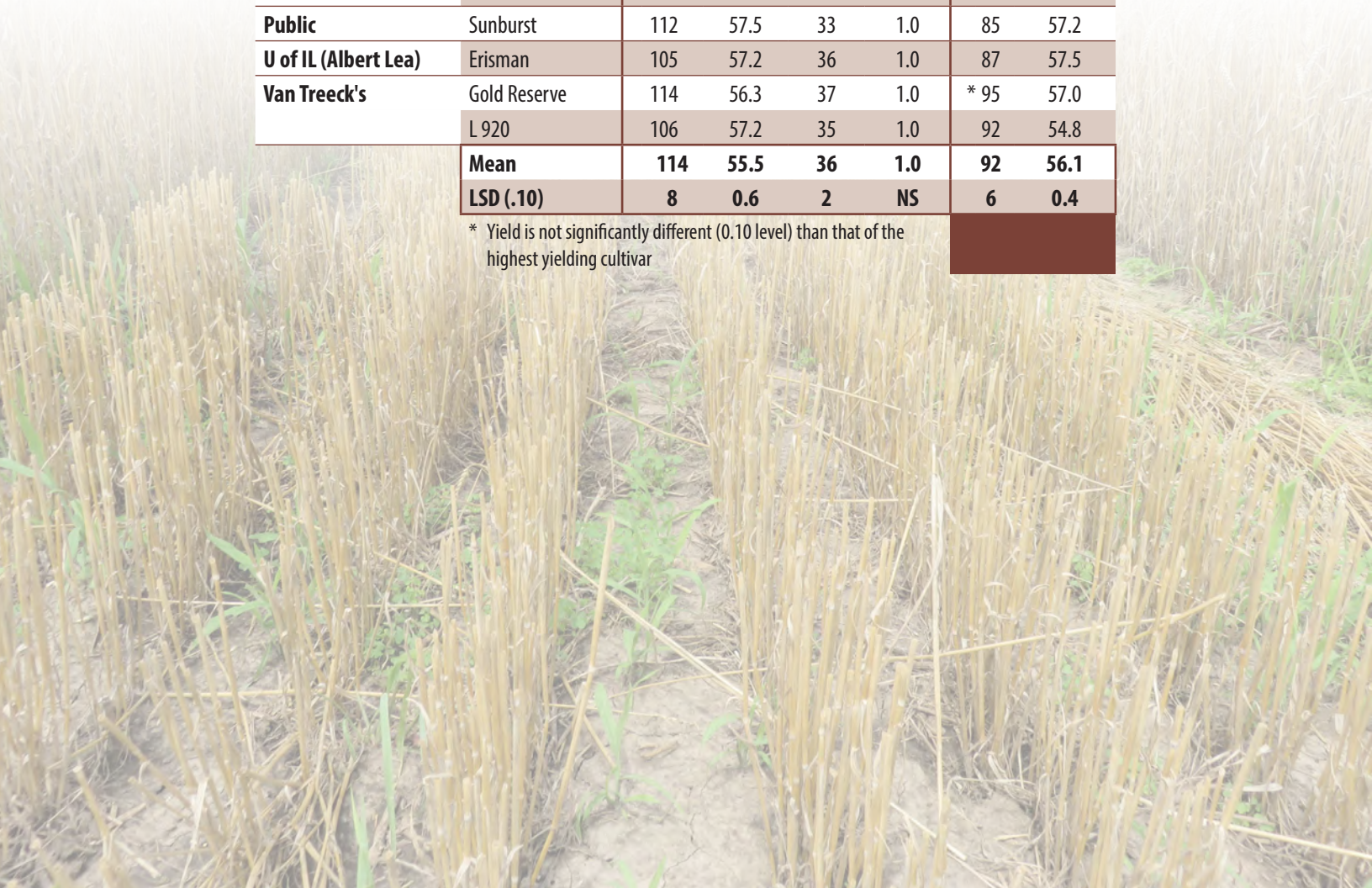
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# Table 4. 2021 Arlington Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
PiP	704	* 121	54.1	37	1.0	89	57.1
	705	116	54.7	37	1.0	* 95	56.2
	706	110	54.9	34	1.0	* 96	56.7
	709	117	57.4	36	1.0	--	--
	715	107	54.7	38	1.0	88	55.8
	735	110	54.4	36	1.0	* 98	55.8
	750	114	54.9	38	1.0	84	57.0
	762	115	55.7	36	1.0	90	56.3
	790	118	54.9	36	1.0	* 99	56.4
	791	118	57.1	35	1.0	* 94	57.9
	793	115	56.2	39	1.0	--	--
	794	110	55.5	34	1.0	--	--
	795	* 124	54.8	36	1.0	--	--
	796	* 122	54.7	35	1.0	--	--
	797	111	55.8	35	1.0	--	--
Pro Seed Genetics	PRO 410	118	56.2	37	1.0	90	56.3
	PRO 450	104	55.1	34	1.0	83	57.2
	PRO Ex 480A	109	55.8	40	1.0	--	--
Public	Sunburst	112	57.5	33	1.0	85	57.2
U of IL (Albert Lea)	Erisman	105	57.2	36	1.0	87	57.5
Van Treeck's	Gold Reserve	114	56.3	37	1.0	* 95	57.0
	L 920	106	57.2	35	1.0	92	54.8
<b>Mean</b>		<b>114</b>	<b>55.5</b>	<b>36</b>	<b>1.0</b>	<b>92</b>	<b>56.1</b>
<b>LSD (.10)</b>		<b>8</b>	<b>0.6</b>	<b>2</b>	<b>NS</b>	<b>6</b>	<b>0.4</b>

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



**Table 5. 2021 Chilton Winter Wheat Performance Trial Results**

Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>AgriMAXX</b>	485	115	56.1	35	2.0	* 107	57.0
	498	108	54.0	38	1.3	99	54.8
	503	114	55.7	37	1.3	104	57.1
	505	117	57.2	38	1.0	96	57.3
	513	108	55.6	38	1.3	--	--
	516	105	55.4	37	1.0	--	--
<b>AgriPro</b>	SY 100	115	52.6	37	1.3	--	--
	SY 547	* 122	57.1	40	1.0	* 110	58.9
	SY 576	106	53.9	39	1.0	102	55.6
	SY Viper	113	56.4	38	1.3	* 106	58.4
<b>CROPLAN</b> by Winfield United	CP8007	118	55.8	33	1.0	--	--
	CP8022	114	55.7	36	1.5	* 106	58.0
	CP8081	110	56.3	38	1.0	* 111	57.7
<b>Diener</b>	D480W	113	55.8	36	1.3	102	57.3
	D491W	110	55.1	37	1.0	104	55.1
	D499W	114	56.8	39	1.0	* 106	58.5
	D504W	* 119	55.5	37	1.0	105	56.0
<b>Dyna-Gro</b>	9002	109	54.8	37	1.3	102	56.0
	9070	117	55.3	38	1.0	99	56.7
	9120	117	57.5	36	1.0	101	58.2
	9172	115	55.6	37	1.3	104	55.6
	9182	115	55.7	39	2.0	103	57.3
	9862	106	55.6	35	1.0	* 108	57.2
	WX20734	* 119	55.9	36	1.5	--	--
	WX20738	110	56.4	39	1.3	--	--
<b>FS InSPIRE Wheat</b>	FS 600	117	57.2	38	1.0	--	--
	FS 601	111	54.4	38	1.5	* 106	54.7
	FS 603	106	56.0	36	1.3	93	56.1
	FS 616	110	56.6	39	1.0	* 108	58.1
	FS 623	117	55.8	38	1.8	103	57.4
	FS 624	109	56.6	37	1.0	91	55.2
	WX21B	* 120	56.0	38	1.0	--	--
	WX21C	114	55.9	37	1.3	--	--
	WX21D	116	55.3	38	1.0	--	--
	WX21E	113	55.4	37	1.3	--	--
	WX21F	* 119	55.5	38	1.3	--	--
WX21G	115	54.2	38	1.0	--	--	

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

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# Table 5. 2021 Chilton Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>Jung</b>	5855	107	57.4	38	1.0	101	56.9
	5888	113	56.1	43	1.3	101	56.1
	5915	101	55.7	39	1.5	98	56.4
	5920	106	56.6	41	1.0	--	--
	5930	104	56.7	40	1.0	99	56.4
<b>Kennell Seed Farms</b>	KS 1618	117	56.1	38	2.0	102	56.0
	KS 1850	105	54.6	37	1.0	--	--
<b>KF Brand</b>	KF 15241	102	56.1	40	2.3	95	56.5
	KF 15639	114	56.9	42	2.0	* 107	57.8
	KF 667	* 123	56.3	39	1.8	99	56.4
	KF 727	110	55.3	39	1.3	103	57.3
	KF 809	* 126	54.6	37	1.0	* 109	54.5
	KF 920	112	55.3	37	1.3	--	--
<b>KWS Cereals</b>	KWS341	108	55.4	38	1.0	--	--
	KWS361	112	56.0	39	1.0	--	--
	KWS375	113	56.6	36	1.0	--	--
<b>L-Brand (Ag Pro)</b>	L-424	107	54.9	38	1.3	100	56.6
	L-430	109	55.9	38	2.0	103	57.7
	L-444	107	54.0	37	1.5	--	--
	L-448	110	55.0	35	1.3	--	--
	L-Star	108	56.0	39	1.0	99	55.4
	L-Star II	118	54.0	36	2.0	--	--
<b>L-Brand (Welter)</b>	L-334	106	56.6	39	3.0	99	57.5
<b>LCS (Albert Lea)</b>	LCS 3334	113	56.5	37	2.6	97	57.3
<b>Legacy</b>	LW 1785	106	54.5	37	1.3	* 106	56.8
	LW 2022	112	56.4	38	1.0	* 108	58.0
	LW 2023	108	55.0	36	1.0	* 106	56.1
	LWX 2011	107	56.0	38	1.0	98	55.0
	LWX 2012	115	55.7	37	1.0	* 110	58.6
	LWX 2021	113	55.8	37	1.3	105	57.5
	LWX 2024	111	55.9	36	2.0	--	--
	LWX 2025	113	55.3	39	1.0	--	--
<b>MCIA</b>	Harpoon	107	54.4	36	1.0	105	56.2
	Whale	108	57.2	38	1.0	--	--
<b>MSU</b>	MI16R0898	114	54.9	39	1.0	--	--
<b>Pioneer</b>	25R25	118	54.7	38	1.0	96	54.7
	25R40	118	55.6	36	1.0	105	56.7
	25R74	109	55.9	35	1.0	* 106	57.2

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

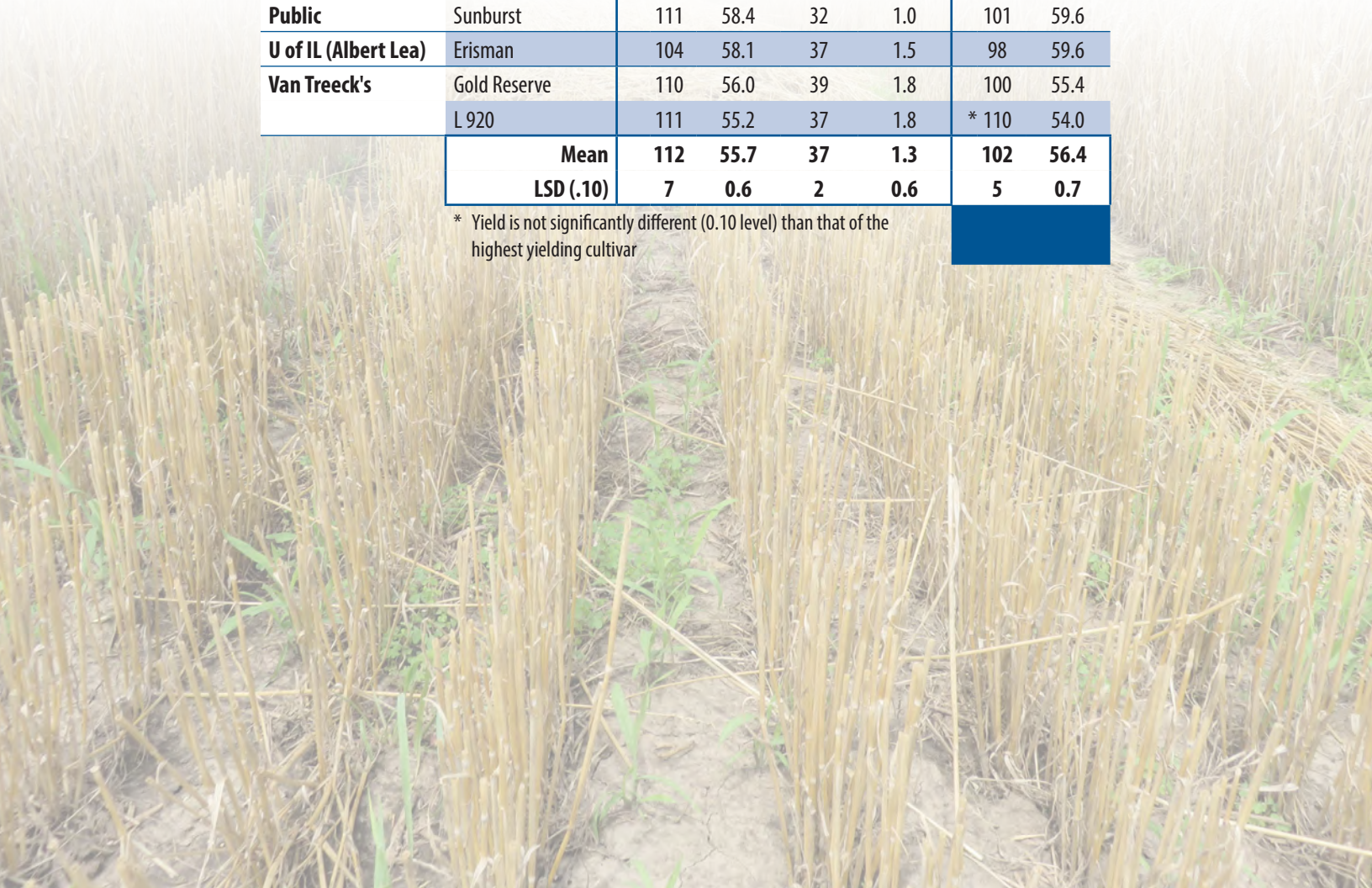
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**Table 5. 2021 Chilton Winter Wheat Performance Trial Results**

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>PIP</b>	704	110	55.6	34	1.0	* 107	57.2
	705	113	55.9	38	1.5	98	56.7
	706	109	55.7	35	1.3	101	55.9
	709	113	55.6	37	1.0	--	--
	715	104	55.1	40	2.3	* 107	57.3
	735	109	55.6	37	1.3	100	54.4
	750	106	56.1	38	1.3	* 106	58.3
	762	113	56.0	38	1.3	* 106	57.5
	790	116	55.8	37	1.0	102	55.6
	791	118	57.4	36	1.0	104	58.4
	793	109	55.2	38	1.0	--	--
	794	109	55.3	36	1.6	--	--
	795	118	55.4	39	1.3	--	--
	796	115	54.2	37	1.3	--	--
797	110	55.5	36	1.0	--	--	
<b>Pro Seed Genetics</b>	PRO 410	112	56.7	38	1.0	92	55.0
	PRO 450	109	56.7	36	1.0	105	58.7
	PRO Ex 480A	108	54.9	40	2.3	--	--
<b>Public</b>	Sunburst	111	58.4	32	1.0	101	59.6
<b>U of IL (Albert Lea)</b>	Erisman	104	58.1	37	1.5	98	59.6
<b>Van Treck's</b>	Gold Reserve	110	56.0	39	1.8	100	55.4
	L 920	111	55.2	37	1.8	* 110	54.0
	<b>Mean</b>	<b>112</b>	<b>55.7</b>	<b>37</b>	<b>1.3</b>	<b>102</b>	<b>56.4</b>
	<b>LSD (.10)</b>	<b>7</b>	<b>0.6</b>	<b>2</b>	<b>0.6</b>	<b>5</b>	<b>0.7</b>

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



**Table 6.** 2021 Fond du Lac Winter Wheat Performance Trial Results

Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>AgriMAXX</b>	485	119	56.1	36	1.0	92	58.1
	498	113	55.0	39	1.0	99	56.9
	503	118	54.7	39	2.0	97	58.7
	505	115	56.9	40	1.0	* 100	59.8
	513	120	55.6	38	1.0	--	--
	516	123	55.1	40	1.0	--	--
<b>AgriPro</b>	SY 100	118	53.4	37	1.0	--	--
	SY 547	123	56.5	40	1.0	96	60.0
	SY 576	110	55.0	40	1.0	96	59.8
	SY Viper	112	56.6	41	1.7	* 104	60.2
<b>CROPLAN</b> by Winfield United	CP8007	* 127	55.8	36	1.0	--	--
	CP8022	113	54.9	38	1.3	88	57.5
	CP8081	118	56.3	39	1.0	* 100	59.2
<b>Diener</b>	D480W	112	54.2	38	2.0	97	58.9
	D491W	118	54.2	38	1.0	* 102	57.7
	D499W	115	56.6	40	1.0	94	59.4
	D504W	* 127	54.6	40	1.0	* 102	58.8
<b>Dyna-Gro</b>	9002	115	54.6	42	1.0	* 100	58.2
	9070	121	54.7	39	1.0	96	58.7
	9120	* 131	57.7	39	1.0	98	60.7
	9172	* 124	55.3	39	1.0	97	57.4
	9182	114	54.7	39	1.0	* 103	59.1
	9862	115	56.0	37	1.0	95	59.1
	WX20734	116	55.7	36	1.0	--	--
	WX20738	113	56.0	39	1.0	--	--
<b>FS InSPIRE Wheat</b>	FS 600	121	56.7	38	1.0	--	--
	FS 601	113	54.2	38	1.0	92	56.5
	FS 603	111	56.3	38	1.0	96	58.9
	FS 616	116	56.7	41	1.0	93	58.6
	FS 623	118	54.6	39	2.0	* 101	58.4
	FS 624	115	56.7	39	1.7	* 102	59.6
	WX21B	122	55.2	39	1.0	--	--
	WX21C	123	55.6	37	1.0	--	--
	WX21D	114	56.3	40	1.0	--	--
	WX21E	112	55.5	40	1.0	--	--
	WX21F	119	54.9	39	1.0	--	--
	WX21G	* 128	54.2	39	1.0	--	--

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

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# Table 6. 2021 Fond du Lac Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>Jung</b>	5855	112	57.0	40	1.0	92	57.6
	5888	109	55.5	43	1.0	97	58.0
	5915	113	56.2	40	1.0	87	59.8
	5920	108	57.1	42	1.0	--	--
	5930	113	57.0	42	1.0	99	59.0
<b>Kennell Seed Farms</b>	KS 1618	122	55.8	37	1.0	* 100	58.9
	KS 1850	101	55.1	39	1.0	--	--
<b>KF Brand</b>	KF 15241	103	56.3	41	1.3	99	59.6
	KF 15639	107	56.1	44	1.0	* 100	60.6
	KF 667	118	56.7	39	1.7	* 101	59.1
	KF 727	119	55.0	41	1.0	97	58.8
	KF 809	120	55.3	36	1.0	* 100	58.5
	KF 920	117	56.7	37	1.0	--	--
<b>KWS Cereals</b>	KWS341	114	56.4	38	1.0	--	--
	KWS361	116	55.7	39	1.0	--	--
	KWS375	115	56.7	38	1.0	--	--
<b>L-Brand (Ag Pro)</b>	L-424	* 126	56.8	39	1.0	91	58.5
	L-430	115	55.9	38	1.0	91	59.2
	L-444	121	56.0	39	1.7	--	--
	L-448	111	53.5	37	1.0	--	--
	L-Star	114	55.5	41	1.0	* 102	58.6
	L-Star II	119	55.2	37	1.7	--	--
<b>L-Brand (Welter)</b>	L-334	108	56.9	40	1.7	93	59.3
<b>LCS (Albert Lea)</b>	LCS 3334	109	57.3	41	3.3	93	58.8
<b>Legacy</b>	LW 1785	110	53.2	35	1.0	91	58.1
	LW 2022	111	56.2	41	1.0	97	60.0
	LW 2023	122	54.7	39	1.0	97	59.1
	LWX 2011	117	54.6	37	1.0	99	58.7
	LWX 2012	114	55.0	38	1.0	* 100	58.4
	LWX 2021	* 124	54.7	39	1.0	* 103	59.3
	LWX 2024	122	55.4	36	1.3	--	--
	LWX 2025	122	56.0	42	1.0	--	--
<b>MCIA</b>	Harpoon	119	54.0	37	1.0	92	58.3
	Whale	114	56.2	38	1.3	--	--
<b>MSU</b>	MI16R0898	* 124	55.5	40	1.0	--	--
<b>Pioneer</b>	25R25	111	55.1	39	1.0	* 100	56.2
	25R40	123	55.4	37	1.0	* 105	58.4
	25R74	123	55.4	36	1.0	96	57.7

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

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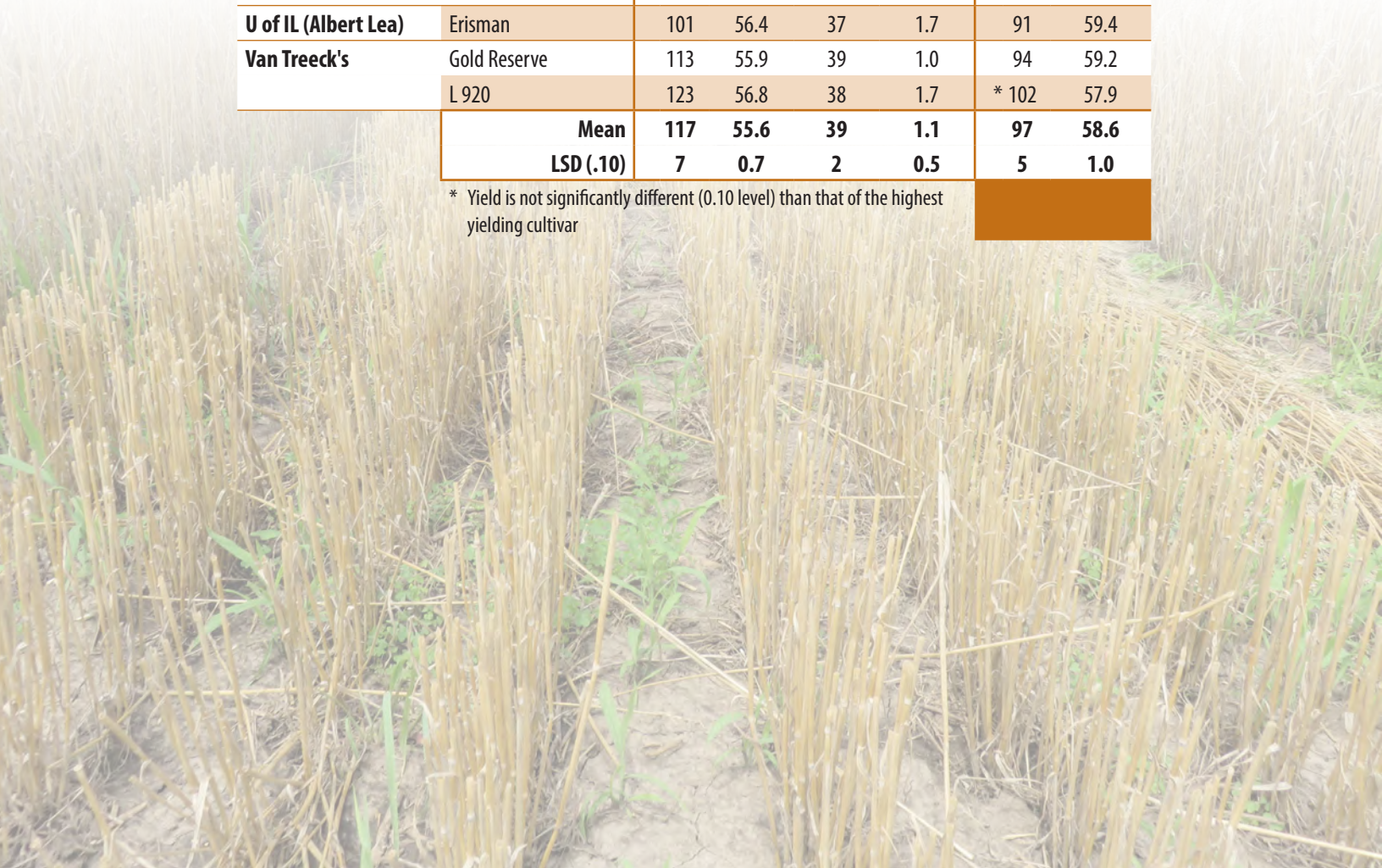
# Table 6. 2021 Fond du Lac Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>PiP</b>	704	* 124	53.3	37	1.0	* 101	58.7
	705	118	54.6	41	1.3	99	58.7
	706	119	55.9	36	1.0	97	58.1
	709	* 124	56.3	39	1.0	--	--
	715	118	55.0	41	1.3	* 103	58.3
	735	117	54.4	38	1.0	99	57.9
	750	118	56.3	40	1.0	92	59.1
	762	122	56.1	40	1.0	* 100	59.0
	790	120	55.2	40	1.0	* 103	58.5
	791	123	57.2	38	1.0	* 102	60.5
	793	109	56.3	42	1.0	--	--
	794	117	55.3	39	1.0	--	--
	795	123	54.5	39	1.0	--	--
	796	118	55.0	38	1.0	--	--
797	120	56.2	38	1.0	--	--	
<b>Pro Seed Genetics</b>	PRO 410	117	57.2	39	1.0	88	58.5
	PRO 450	108	55.3	35	1.0	91	59.9
	PRO Ex 480A	111	55.7	42	1.0	--	--
<b>Public</b>	Sunburst	115	58.3	34	1.0	92	60.3
<b>U of IL (Albert Lea)</b>	Erisman	101	56.4	37	1.7	91	59.4
<b>Van Treck's</b>	Gold Reserve	113	55.9	39	1.0	94	59.2
	L 920	123	56.8	38	1.7	* 102	57.9
	<b>Mean</b>	<b>117</b>	<b>55.6</b>	<b>39</b>	<b>1.1</b>	<b>97</b>	<b>58.6</b>
	<b>LSD (.10)</b>	<b>7</b>	<b>0.7</b>	<b>2</b>	<b>0.5</b>	<b>5</b>	<b>1.0</b>

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



**Table 7. 2021 Janesville Winter Wheat Performance Trial Results**



Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>AgriMAXX</b>	485	98	55.9	32	1.0	90	56.0
	498	* 101	55.5	35	1.0	92	54.6
	503	* 103	55.7	34	1.0	94	56.5
	505	98	57.1	35	1.0	89	57.4
	513	99	56.3	33	1.0	--	--
	516	* 103	55.1	34	1.0	--	--
<b>AgriPro</b>	SY 100	* 108	54.2	32	1.0	--	--
	SY 547	98	55.8	37	1.0	90	57.0
	SY 576	96	55.0	34	1.0	90	55.9
	SY Viper	92	56.5	36	1.0	* 99	57.3
<b>CROPLAN</b> by Winfield United	CP8007	* 106	55.1	31	1.0	--	--
	CP8022	97	54.9	33	1.0	84	56.2
	CP8081	* 102	56.8	35	1.0	* 96	57.3
<b>Diener</b>	D480W	95	55.8	35	1.0	* 97	56.8
	D491W	* 105	55.4	35	1.0	* 100	56.2
	D499W	93	56.9	35	1.0	91	57.7
	D504W	99	54.9	33	1.0	91	56.2
<b>Dyna-Gro</b>	9002	* 103	56.2	38	1.0	94	56.0
	9070	95	56.2	35	1.0	92	56.6
	9120	91	57.1	32	1.0	95	58.7
	9172	* 103	55.4	34	1.0	* 97	56.6
	9182	96	55.7	36	1.0	92	56.8
	9862	* 101	56.1	31	1.0	90	55.1
	WX20734	* 104	56.5	33	1.0	--	--
	WX20738	97	56.6	36	1.0	--	--
<b>FS InSPIRE Wheat</b>	FS 600	* 105	57.3	36	1.0	--	--
	FS 601	93	54.5	34	1.0	89	55.2
	FS 603	98	56.3	34	1.0	91	58.4
	FS 616	95	56.8	35	1.0	90	57.9
	FS 623	* 106	56.0	35	1.0	95	56.6
	FS 624	* 101	56.2	35	1.0	93	55.9
	WX21B	* 100	55.2	34	1.0	--	--
	WX21C	* 100	56.3	33	1.0	--	--
	WX21D	93	56.8	35	1.0	--	--
	WX21E	* 101	55.7	34	1.0	--	--
	WX21F	* 101	55.7	35	1.0	--	--
	WX21G	99	55.2	32	1.0	--	--

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

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# Table 7. 2021 Janesville Winter Wheat Performance Trial Results

continued from previous page



Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>Jung</b>	5855	96	55.1	35	1.0	88	55.8
	5888	85	55.5	38	1.0	89	55.9
	5915	93	56.5	34	1.0	87	57.0
	5920	96	56.4	38	1.0	--	--
	5930	96	56.2	37	1.0	84	57.4
<b>Kennell Seed Farms</b>	KS 1618	99	56.5	33	1.0	90	56.3
	KS 1850	98	56.8	35	1.0	--	--
<b>KF Brand</b>	KF 15241	97	56.9	36	1.0	92	59.3
	KF 15639	* 100	56.5	39	1.0	93	58.2
	KF 667	97	57.3	34	1.0	* 98	56.7
	KF 727	95	55.5	35	1.0	93	56.4
	KF 809	* 108	55.8	33	1.0	93	54.7
	KF 920	97	57.6	33	1.0	--	--
<b>KWS Cereals</b>	KWS341	77	57.0	32	1.0	--	--
	KWS361	* 101	55.1	36	1.0	--	--
	KWS375	93	56.4	33	1.0	--	--
<b>L-Brand (Ag Pro)</b>	L-424	99	56.4	33	1.0	93	55.1
	L-430	93	57.6	33	1.0	92	58.3
	L-444	* 102	57.1	36	1.0	--	--
	L-448	93	56.9	34	1.0	--	--
	L-Star	* 101	55.3	37	1.0	92	56.6
	L-Star II	* 105	55.8	32	1.0	--	--
<b>L-Brand (Welter)</b>	L-334	97	57.2	37	1.0	84	57.8
<b>LCS (Albert Lea)</b>	LCS 3334	94	57.0	35	1.0	88	58.5
<b>Legacy</b>	LW 1785	90	54.5	32	1.0	84	56.2
	LW 2022	88	56.8	35	1.0	90	57.8
	LW 2023	* 103	55.1	34	1.0	* 96	56.8
	LWX 2011	* 100	56.1	34	1.0	* 97	55.4
	LWX 2012	91	55.7	32	1.0	* 96	57.0
	LWX 2021	* 104	55.8	35	1.0	92	56.5
	LWX 2024	* 107	56.6	33	1.0	--	--
	LWX 2025	94	56.7	35	1.0	--	--
<b>MCIA</b>	Harpoon	96	54.8	32	1.0	87	56.3
	Whale	93	55.3	34	1.0	--	--
<b>MSU</b>	MI16R0898	* 100	55.2	34	1.0	--	--
<b>Pioneer</b>	25R25	94	55.0	34	1.0	87	54.8
	25R40	97	56.1	31	1.0	* 97	56.3
	25R74	95	55.5	32	1.0	* 96	56.5

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

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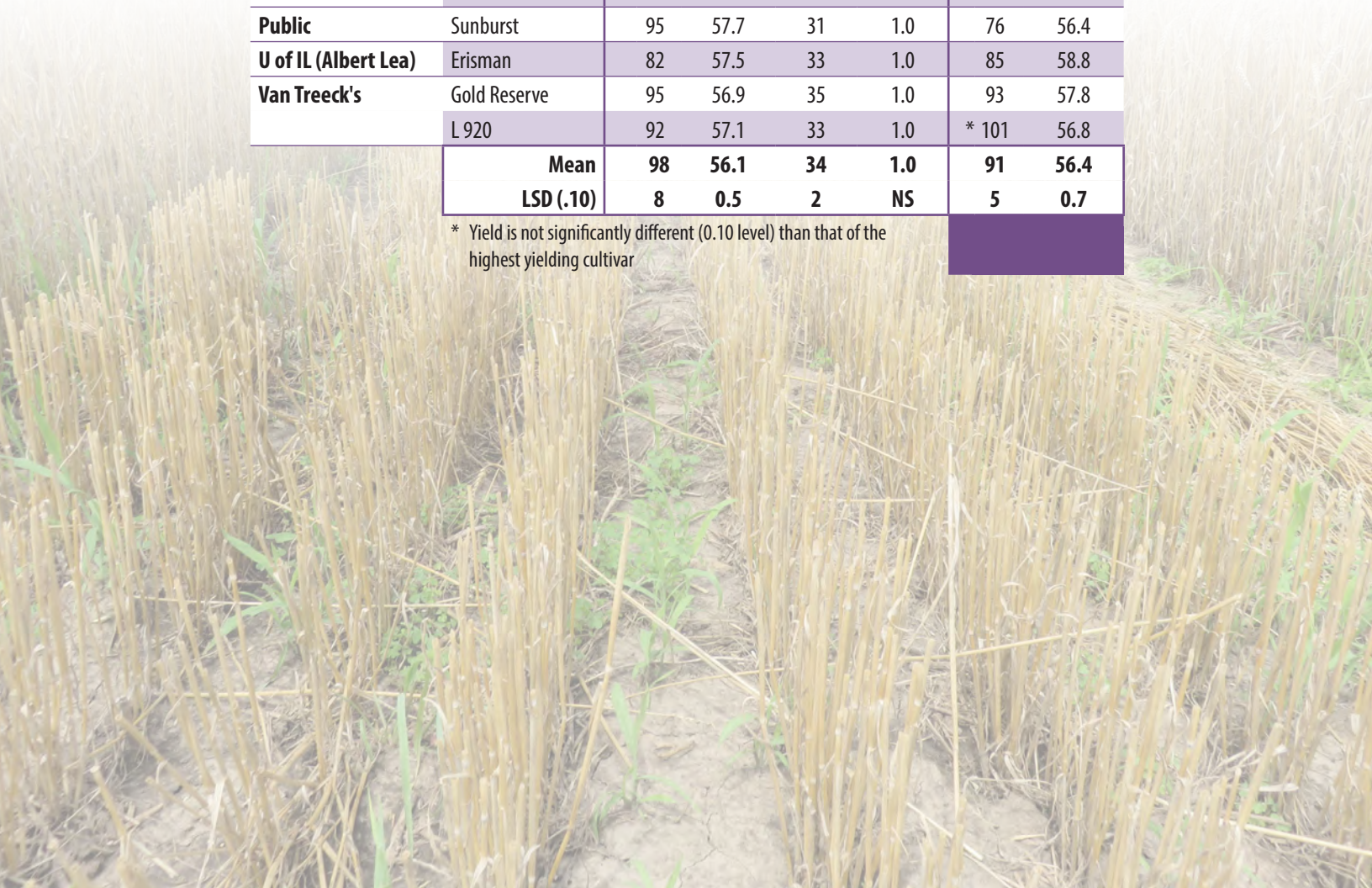
# Table 7. 2021 Janesville Winter Wheat Performance Trial Results

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Brand (Entrant)	Entry	2021 means				2020 means	
		Yield (bu/a)	Test wt. (lb/bu)	Height (in.)	Lodging (1-5)	Yield (bu/a)	Test wt. (lb/bu)
<b>PiP</b>	704	97	56.8	33	1.0	* 98	57.6
	705	98	55.6	34	1.0	94	56.8
	706	94	55.6	32	1.0	91	55.4
	709	90	57.4	33	1.0	--	--
	715	98	55.5	38	1.0	93	56.3
	735	* 102	55.4	35	1.0	* 96	55.8
	750	96	57.0	36	1.0	86	57.5
	762	97	56.4	35	1.0	92	56.7
	790	* 107	55.2	34	1.0	91	56.5
	791	94	57.2	32	1.0	93	58.6
	793	99	57.0	36	1.0	--	--
	794	98	55.6	34	1.0	--	--
	795	99	55.4	36	1.0	--	--
	796	* 108	55.3	34	1.0	--	--
	797	* 103	56.3	32	1.0	--	--
<b>Pro Seed Genetics</b>	PRO 410	99	56.3	34	1.0	79	53.9
	PRO 450	84	55.9	32	1.0	93	58.5
	PRO Ex 480A	96	56.8	37	1.0	--	--
<b>Public</b>	Sunburst	95	57.7	31	1.0	76	56.4
<b>U of IL (Albert Lea)</b>	Erismen	82	57.5	33	1.0	85	58.8
<b>Van Treeck's</b>	Gold Reserve	95	56.9	35	1.0	93	57.8
	L 920	92	57.1	33	1.0	* 101	56.8
<b>Mean</b>		<b>98</b>	<b>56.1</b>	<b>34</b>	<b>1.0</b>	<b>91</b>	<b>56.4</b>
<b>LSD (.10)</b>		<b>8</b>	<b>0.5</b>	<b>2</b>	<b>NS</b>	<b>5</b>	<b>0.7</b>

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



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**Wisconsin Winter Wheat Performance Trials (A3868)**

07/2021

