

WHEAT PERFORMANCE IN ILLINOIS TRIALS – 2021



**Crop Sciences Special Report 2021-01
Department of Crop Sciences
University of Illinois
July 2021**

WHEAT PERFORMANCE IN ILLINOIS TRIALS - 2021
Crop Sciences Special Report 2021-01, July 2021

Darin K. Joos and Jessica Rutkoski
Department of Crop Sciences, University of Illinois, Urbana

The 2020-21 wheat growing season in Illinois was excellent. Winter wheat area harvested was 650,000 acres, up 25% from the previous growing season. Average yield was 80 bushels/acre, up 18% from the previous year.

The weather conditions were favorable. Winter was mild and spring was cool and rainy. A period of dry weather occurred between flowering and maturity, which lead to ample solar radiation during grain filling. This is important for yield and may have been a major contributing factor to the high average yield observed, this season.

Diseases were generally not a problem. Stripe rust, caused by *P. striiformis* var. *tritici* was sighted in some fields, but did not reach epidemic levels. Fusarium Head Blight, also known as Scab, caused by *Fusarium graminearum* was generally not a problem, although outbreaks were noted in some fields where susceptible varieties were planted.

For much of the state, heavy rain occurred around harvest time. Some were able to harvest before the rain arrived. For others, the rain occurred before harvest when the grain was still at high moisture levels and test weights were largely unaffected. Those that experienced heavy rain after the grain was dry likely lost test weight due to preharvest sprouting. In one of our breeding trials we observed a 4 pound/bushel decrease in test weight after a 6-day delay in harvest due to rain. Interestingly, a 3 bushel/acre decrease in yield was also observed. This is a good reminder that timely harvest is critical for wheat to be profitable. Harvesting wheat at high moisture levels, followed by drying, can be a good way reduce the risk of wheat yield and quality loss at harvest. Selecting a variety with high test weight can also help ensure that test weights remain above the discount threshold even when some test weight is lost due to weather.

To aid variety selection decisions, we present these wheat variety testing results from 6 locations across the state of Illinois. Plots were seeded at the rate of 36 seeds per square foot, and consisted of six, 7.5-inch rows trimmed to about 16 feet before harvest. Yields were corrected to 13.5% moisture. Entries treated with seed-applied insecticide have insecticide treatment identified by the product trade name in the tables.

Location	Cooperator	Soil type	Planting	N	Harvest
			date	fertilizer	date
Elkville	Trent Funk	Hurst	Oct. 6	30 Fall	June 22
		silt loam		110 Spring	
Belleville	Dane Hunter	Ebbert	Oct. 8	30 Fall	June 23
		silt loam		85 Spring	
St Peter	Russ Schwarm	Hoyleton	Oct. 6	0 Fall	June 24
		silt loam		120 Spring	
Perry/Orr Center	Luke Merritt	Clarksdale	Oct. 8	30 Fall	July 2
		silt loam		80 Spring	
Urbana	Nick Eisenmenger	Flanagan	Sept. 27	30 Fall	June 29
		silt loam		40 Spring	
Hampshire	Dezeri DeRaedt	Drummer	Oct. 7	30 Fall	July 8
		silt loam		80 Spring	

Participating companies are listed on Page 2, regional data in Tables 1 and 2, individual location data in Tables 3 to 8, wheat variety characteristics in Table 9, and the Fusarium head scab ratings in Table 10.

Participating Companies

We thank these companies for their support of this program in 2021.

AgriMAXX Wheat Co
7167 Highbanks Rd
Mascoutah, IL 62258
(855) 629-9432

Dyna-Gro Seed
200 W 2nd St.
Flora, IL 44818
(618) 578-0660

KWS Cereals
4101 Colleen Dr
Champaign, IL 618/22
217-800-1008

AgriPro
1521 N Convent St.
Bourbonnais, IL 60914
(815) 370-3291

FS Wheat
1701 Towanda Ave., PO 2500
Bloomington, IL 61701
(309) 557-6399

Monier Seed & Service
846 Yankee Lane
Sparland, IL 61565
(319) 464-5708

Albert Lea Seed
1414 W. Main
Albert Lea, MN 56007
(800) 352-5247

Green Valley Seed
121 West College St
Kahoka, MO 63445
(800) 748-7943

Michigan State University
1066 Bogue St A286
East Lansing, MI 48824
(217) 353-0142

American Organic
1676 CR 2200 E
St Joseph, IL
(217) 469-2351

Hoffman Seed House
PO Box 66
Hoffman, IL 62250
(618) 495-2617

Pioneer Hi-Bred Int'l Inc.
7100 NW 62nd Ave.
Johnston, IA 50131
(800) 247-6803

BioTown Seeds
373 N Diener Rd
Reynolds, IN 47980
(219) 984-6038

Kitchen Seed Company
PO Box 286
Arthur, IL 61911
(217) 543-3476

VCIA
9225 Atlee Branch Lane
Mechanicsville, VA 23116
(804) 746-4884

DeRaedt Seed Corp.
10 N 971 Tower Road
Hampshire, IL 60140
(847) 514-8844

Kratz Farms LLC
4380 Sherman Road
Slinger, WI 53086
(262) 305-6631

Williamsfield Seed Co.
1122 Knox Highway 18
Williamsfield, IL 61489
(309) 639-2248

Table 2. Northern Illinois regional wheat variety trial results, 2021

Company	Variety	ST ¹	Regional Average			Perry		Urbana		Hampshire		
			Yield bu/ac	Yield Rank 1 to 60	Test wt. lb/bu	Height in.	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu
AgriMAXX	485	C	101.4	41	55.3	36	89.2	52.2	94.6	54.2	120.3	59.5
AgriMAXX	498	C	104.9	24	54.5	39	91.1	52.2	93.7	52.6	130.0	58.7
AgriMAXX	503	C	106.4	15	56.0	38	94.1	53.9	99.8	55.2	125.3	58.9
AgriMAXX	505	C	106.8	13	56.3	37	97.5	53.6	95.5	54.9	127.3	60.4
AgriMAXX	513	C	103.7	25	54.1	37	99.3	51.5	98.7	52.5	113.1	58.3
AgriMAXX	516	C	111.5	2	55.0	37	100.9	52.0	106.2	53.4	127.2	59.7
AgriMAXX	EXP 2009	C	111.1	4	54.3	37	102.0	52.0	102.8	53.5	128.6	57.6
AgriMAXX	EXP 2026	C	100.3	48	56.3	40	91.4	53.3	93.7	55.9	115.8	59.9
AgriPro	SREXP0117	C	101.7	36	54.0	35	91.4	51.7	110.6	53.7	103.1	56.8
AgriPro	SREXP9105	C	107.3	10	51.1	38	88.4	48.9	99.0	47.9	134.4	56.6
AgriPro	SY 100	C	105.8	18	52.7	37	97.7	51.0	104.0	51.0	115.6	56.2
AgriPro	SY 547	C	102.7	31	54.7	39	89.0	51.8	100.8	53.9	118.2	58.5
AgriPro	SY 576	C	100.4	47	54.9	37	86.6	51.6	97.4	53.4	117.2	59.7
AgriPro	SY Viper	C	96.7	55	55.7	40	89.2	54.4	95.8	54.6	105.0	57.9
Albert Lea Seed	Erisman	F	96.9	54	56.7	38	85.2	53.7	92.2	56.6	113.2	59.8
Albert Lea Seed	LCS 3334		94.5	58	55.8	39	92.6	53.7	98.3	55.8	92.8	57.7
American Organic	Erisman		96.9	52	56.6	38	82.7	54.6	94.9	56.7	113.3	58.4
Bio Town Seeds	D480W	C	94.6	57	55.7	38	74.2	53.8	106.5	55.0	103.1	58.3
Bio Town Seeds	D499W	C	106.4	16	55.0	39	93.2	52.9	106.3	53.6	119.6	58.5
Bio Town Seeds	D504W	C	97.9	50	54.4	36	103.6	52.2	100.7	53.4	89.4	57.6
DeRaedt Seed	DeRaedt 47	C	105.4	21	56.2	38	97.7	53.9	91.8	54.1	126.7	60.7
Dyna-Gro	9002	G	108.5	9	54.5	38	98.7	52.7	93.0	51.9	133.9	58.9
Dyna-Gro	9120	G	110.9	5	56.1	36	95.4	53.3	112.8	55.3	124.6	59.7
Dyna-Gro	9151	G	111.4	3	56.4	38	107.9	54.2	107.2	54.9	119.1	60.1
Dyna-Gro	9172	G	105.2	22	54.8	37	96.1	52.2	101.2	53.2	118.1	59.0
Dyna-Gro	WX20734	G	100.4	46	55.1	36	92.8	53.4	95.3	53.0	113.2	58.8
Dyna-Gro	WX20738	G	110.9	6	55.1	38	104.9	52.6	110.9	53.7	116.8	59.0
Dyna-Gro	WX21741	G	106.9	12	55.6	37	96.2	53.4	99.2	53.3	125.2	60.1
FS Wheat	600	C	107.2	11	56.2	38	95.4	53.3	100.9	54.5	125.3	60.9
FS Wheat	601	C	105.0	23	52.8	36	95.5	51.3	102.9	51.6	116.5	55.4
FS Wheat	603	C	101.4	40	55.4	36	95.0	53.8	89.2	53.2	120.1	59.3
FS Wheat	616	C	103.5	28	55.4	39	89.4	53.4	101.9	53.7	119.4	59.1
FS Wheat	623	C	106.7	14	55.0	39	95.6	50.7	98.6	55.0	126.1	59.2
FS Wheat	624	C	97.1	51	55.2	38	89.4	53.4	87.9	53.2	114.0	59.1
FS Wheat	WX21B	C	110.7	7	55.0	36	97.0	52.2	106.2	53.6	128.9	59.2
Green Valley Seed	61X	C	105.5	20	53.1	35	93.5	50.6	105.0	51.3	118.1	57.3
Green Valley Seed	62X	C	105.7	19	56.1	36	96.6	53.7	92.6	53.9	127.9	60.8
Green Valley Seed	GV619	C	101.3	43	55.9	37	96.7	53.6	89.6	54.0	117.5	60.2
Green Valley Seed	GV668	C	100.5	45	54.7	39	95.9	52.5	97.4	53.4	108.2	58.0
Green Valley Seed	GV631	C	99.8	49	55.2	37	99.2	52.8	95.3	54.2	104.9	58.6
Kitchen Seed Com®	KSC 418	G	102.2	32	55.0	41	89.2	52.2	92.2	54.3	125.2	58.5
Kitchen Seed Com®	KSC 420	G	101.5	39	55.0	37	91.3	52.1	98.4	53.6	114.9	59.2
Kratz Farms LLC	KF 15241	C	101.4	42	55.3	39	105.7	52.4	93.8	54.9	104.7	58.6
Kratz Farms LLC	KF 15639	C	103.7	26	54.2	41	94.4	50.8	97.1	53.0	119.5	58.9
Kratz Farms LLC	KF 667	C	106.2	17	55.9	38	95.8	52.6	97.1	54.4	125.7	60.8
Kratz Farms LLC	KF 727	C	102.8	30	54.2	39	81.5	50.5	97.4	53.9	129.4	58.3
Kratz Farms LLC	KF 809	C	111.8	1	54.4	37	96.5	52.6	113.2	53.2	125.7	57.6
Kratz Farms LLC	KF 920	C	102.0	34	55.5	36	89.4	53.0	111.1	54.4	105.5	59.1
KWS Cereals	KWS291	C	96.9	53	54.6	36	83.6	52.8	82.3	52.6	124.7	58.3
KWS Cereals	KWS340	C	103.6	27	56.7	36	88.8	53.2	97.2	55.8	124.9	61.2
KWS Cereals	KWS361	C	102.1	33	56.5	40	91.1	55.2	91.4	54.9	123.9	59.3
KWS Cereals	KWS375	C	96.2	56	55.5	35	91.1	53.6	80.9	52.3	116.4	60.5
Michigan State Uni	MI16R0720	C	100.8	44	51.5	36	82.9	48.6	88.6	48.6	130.8	57.4
Michigan State Uni	MI16R0898	C	88.5	60	54.2	39	81.2	53.5	82.1	53.2	102.3	55.9
Michigan State Uni	MI16R0906	C	89.9	59	51.6	37	82.4	49.9	59.7	46.7	127.6	58.1
Monier Seed	MW757	G	101.7	37	54.7	41	90.8	51.7	92.6	53.9	121.6	58.3
Monier Seed	MW857	G	101.6	38	53.9	40	90.2	49.7	95.5	53.8	119.1	58.3
Pioneer	25R61	C	109.1	8	54.8	37	98.5	52.1	100.6	53.9	128.3	58.5
Pioneer	25R74	C	103.4	29	53.3	36	98.1	50.6	101.1	52.3	111.0	57.0
VCIA	VA17W-75	C	101.7	35	57.4	38	89.7	56.7	107.0	56.2	108.5	59.4
		Trial Mean	102.6		55.1	38	92.6	52.7	97.2	53.7	118.1	58.8
		LSD, 10%	7.5		1.0	1	7.3	1.7	7.1	0.8	9.3	1.1
		CV, %	13.4		3.3	6	5.9	2.4	5.4	1.1	5.8	1.4

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.

Table 3. Results of the 2021 wheat variety trial at Elkville, in far southcentral Illinois.

Company	Variety	ST¹	Yield bu/ac	Yield Rank		Test wt. lb/bu	Lodging² 0 to 9	2-yr avg 2020-21 bu/ac	3-yr avg 2019-21 bu/ac
				1 to 52	Rank				
AgriMAXX	454	C	105.8	13	60.3	0	98.9	101.8	
AgriMAXX	473	C	103.0	23	60.1	0	100.7		99.6
AgriMAXX	505	C	98.4	30	61.7	0	101.1		
AgriMAXX	513	C	107.0	9	61.1	0			
AgriMAXX	514	C	106.9	10	58.0	4			
AgriMAXX	516	C	94.8	39	59.2	1			
AgriMAXX	EXP 2002	C	93.3	42	61.0	0			
AgriPro	SREXP0117	C	108.2	6	58.7	0			
AgriPro	SREXP9105	C	107.6	8	57.2	1			
AgriPro	SY 100	C	106.4	12	57.5	1			
AgriPro	SY 547	C	104.8	17	56.6	0	97.9	98.8	
AgriPro	SY 576	C	89.3	48	58.8	0	89.4	94.2	
AgriPro	SY Viper	C	97.0	33	59.7	1	96.5	98.5	
Albert Lea Seed	Erisman	F	93.6	40	61.4	2	84.4		
Albert Lea Seed	LCS 3334		91.3	45	60.7	0	96.1		
Bio Town Seeds	D477W	C	95.5	38	59.2	2	95.9		
Bio Town Seeds	D499W	C	96.7	34	60.4	0	97.5		
Bio Town Seeds	D504W	C	109.5	4	59.2	2	106.5		
Dyna-Gro	9002	G	98.4	31	58.2	5	90.6	95.7	
Dyna-Gro	9120	G	103.8	19	61.6	0	99.5		
Dyna-Gro	9151	G	104.6	18	61.4	0	102.7	101.7	
Dyna-Gro	9172	G	103.7	20	59.6	0	101.8		
Dyna-Gro	9701	G	105.1	16	59.3	0	99.3	98.9	
Dyna-Gro	WX20734	G	108.5	5	59.9	0			
Dyna-Gro	WX20738	G	107.8	7	60.1	2			
Dyna-Gro	WX21741	G	112.3	2	60.7	0			
FS Wheat	600	C	99.1	27	61.7	0			
FS Wheat	601	C	93.4	41	58.9	0			
FS Wheat	603	C	100.3	26	59.2	0	94.9	100.4	
FS Wheat	616	C	96.5	36	60.6	0	99.9		
FS Wheat	624	C	98.9	28	59.9	2	101.0	102.6	
FS Wheat	WX21B	C	103.2	21	59.6	2			
Hoffman Seed	H7W20	C	110.9	3	59.0	0	103.1		
Hoffman Seed	H7W21	C	119.9	1	58.1	0			
Hoffman Seed	H7W30	C	102.5	24	59.6	2	103.7		
Hoffman Seed	H7W31	C	90.3	47	60.3	2			
Hoffman Seed	H7W40	C	82.7	50	59.7	0	88.8		
Kitchen Seed Company	KSC 418	G	91.1	46	59.3	1	88.9	93.8	
Kitchen Seed Company	KSC 420	G	93.0	43	59.2	2			
KWS Cereals	KWS291	C	96.6	35	58.0	1			
KWS Cereals	KWS338	C	92.8	44	60.4	0			
KWS Cereals	KWS340	C	98.8	29	60.9	0			
KWS Cereals	KWS375	C	106.6	11	60.7	0			
Michigan State University	MI16R0720	C	85.1	49	57.1	0			
Michigan State University	MI16R0898	C	105.3	14	58.7	0			
Michigan State University	MI16R0906	C	105.1	15	58.2	0			
Pioneer	25R61	C	97.7	32	59.9	0	96.2	101.3	
Pioneer	25R74	C	96.0	37	59.1	0	98.3	100.7	
VCIA	VA17W-75	C	81.3	52	60.5	2			
Williamsfield Seed Co	WSC 1148	G	102.3	25	60.1	0			
Williamsfield Seed Co	WSC 1639	G	103.1	22	61.7	0			
Williamsfield Seed Co	WSC 4015	G	81.7	51	60.6	0			
	Trial Mean		99.6		59.4	1			
	LSD, 10%		6.9		6.0				
	CV, %		5.1		7.5				

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.

Pest management is carried out by the cooperator at this site. In 2021 this included Trivapro fungicide and Warrior insecticide on April 10th, and Prosaro fungicide and Warrior insecticide on May 12th.

² Lodaina score: 0= none, 9= all. Lodaina was caused by freezing temperatures in spring during the tillering stage.

Table 4. Results of the 2021 wheat variety trial at Belleville, in far southwestern Illinois.

<u>Company</u>	<u>Variety</u>	<u>ST¹</u>	<u>Yield bu/ac</u>	Yield				<u>2-yr avg 2019,21 bu/ac</u>	<u>3-yr avg 2018,19-21 bu/ac</u>
				<u>Rank 1 to 53</u>	<u>Test wt. lb/bu</u>	<u>Height in.</u>	<u>Lodging 0 to 9</u>		
AgriMAXX	454	C	83.6	34	57.4	39	2	76.4	78.5
AgriMAXX	473	C	84.4	32	57.8	41	2	78.9	79.1
AgriMAXX	503	C	79.1	50	57.5	37	3		
AgriMAXX	505	C	85.9	25	60.2	38	2		
AgriMAXX	513	C	84.8	29	59.9	38	2		
AgriMAXX	514	C	94.8	6	58.1	40	2		
AgriMAXX	516	C	89.1	16	58.5	38	2		
AgriMAXX	EXP 2002	C	88.6	19	59.9	36	2		
AgriPro	SREXP0117	C	90.2	9	58.1	35	1		
AgriPro	SREXP9105	C	82.9	35	55.1	39	2		
AgriPro	SY 100	C	81.5	41	55.0	35	1		
AgriPro	SY 547	C	84.8	31	58.4	39	2	76.4	77.3
AgriPro	SY 576	C	79.1	49	57.6	38	2	80.2	
AgriPro	SY Viper	C	80.2	44	58.6	41	2	77.9	
Albert Lea Seed	Eisman	F	78.8	51	59.7	37	2		
Albert Lea Seed	LCS 3334		84.8	31	59.1	39	1		
Bio Town Seeds	D480W	C	80.2	46	57.5	37	2		
Bio Town Seeds	D499W	C	74.7	52	59.7	40	3		
Bio Town Seeds	D504W	C	87.6	21	58.8	37	2		
Dyna-Gro	9002	G	93.2	8	57.7	38	2	83.9	
Dyna-Gro	9120	G	90.0	12	60.4	39	2		
Dyna-Gro	9151	G	79.7	48	60.1	37	2	79.6	
Dyna-Gro	9172	G	87.6	22	58.6	39	3		
Dyna-Gro	9701	G	82.1	38	57.8	40	2	80.3	78.5
Dyna-Gro	WX20734	G	86.7	23	57.8	37	1		
Dyna-Gro	WX20738	G	88.9	18	59.1	39	2		
Dyna-Gro	WX21741	G	88.1	20	59.4	40	2		
FS Wheat	600	C	90.1	10	60.6	38	1		
FS Wheat	601	C	82.3	37	56.9	38	3	74.1	
FS Wheat	603	C	80.1	47	58.2	35	3	76.3	74.2
FS Wheat	616	C	72.8	53	59.2	38	3		
FS Wheat	623	C	85.5	27	58.1	38	1		
FS Wheat	624	C	101.4	1	58.8	40	2	89.0	86.2
FS Wheat	WX21B	C	82.0	39	58.7	37	2		
Hoffman Seed	H7W20	C	89.7	13	57.9	39	2		
Hoffman Seed	H7W30	C	100.5	2	56.8	38	1		
Hoffman Seed	H7W31	C	85.5	27	58.3	35	1		
Hoffman Seed	H7W40	C	85.2	28	58.1	36	0		
Kitchen Seed Company	KSC 418	G	89.4	14	58.4	39	1	84.1	80.8
Kitchen Seed Company	KSC 420	G	98.3	3	57.5	39	2		
KWS Cereals	KWS291	C	81.7	40	56.2	38	3		
KWS Cereals	KWS338	C	80.2	45	59.2	35	1		
KWS Cereals	KWS340	C	93.3	7	58.8	38	2		
KWS Cereals	KWS375	C	80.9	42	58.9	38	1		
Michigan State University	MI16R0720	C	89.3	15	54.7	35	1		
Michigan State University	MI16R0898	C	83.9	33	57.5	40	1		
Michigan State University	MI16R0906	C	89.1	17	56.4	37	0		
Pioneer	25R61	C	95.5	5	58.0	41	2	88.9	87.4
Pioneer	25R74	C	82.6	36	57.7	37	2	82.0	81.9
VCIA	VA17W-75	C	90.0	11	60.6	39	1		
Williamsfield Seed Co	WSC 1148	G	97.1	4	59.3	37	0		
Williamsfield Seed Co	WSC 1639	G	86.6	24	60.0	37	1		
Williamsfield Seed Co	WSC 4015	G	80.8	43	59.5	40	0		
	Trial Mean		86.3		58.4	38			
	LSD, 10%		6.5		0.6	2			
	CV, %		5.6		0.7	3			

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, E= Escalate+Fungicide.

2 Lodging score: 0= none, 9= all. Lodging was caused by freezing temperatures in spring during the tillering stage.

* Variety data dropped due to severe lodging and low yields in some early-greening varieties following low temperatures in March and early April.

Table 5. Results of the 2021 wheat variety trial at St Peter, in south central Illinois.

<u>Company</u>	<u>Variety</u>	ST ¹	Yield bu/ac	Yield			2-yr avg 2020-21 bu/ac	3-yr avg ³ 2018,20,21 bu/ac
				Rank 1 to 56	Test wt. lb/bu	Height in.		
AgriMAXX	454	C	118.1	37	57.8	38	103.1	98.5
AgriMAXX	473	C	115.4	44	58.3	39	101.7	95.7
AgriMAXX	503	C	120.8	23	59.6	38	103.2	
AgriMAXX	505	C	120.6	27	61.3	37	99.6	
AgriMAXX	513	C	120.7	25	60.7	38		
AgriMAXX	514	C	120.6	28	57.3	38		
AgriMAXX	516	C	128.3	8	58.3	38		
AgriMAXX	EXP 2002	C	129.7	6	60.7	38		
AgriMAXX	EXP 2009	C	128.9	7	58.6	37		
AgriPro	SREXP0117	C	130.1	4	59.1	36		
AgriPro	SREXP9105	C	125.7	12	56.7	38		
AgriPro	SY 100	C	118.2	36	57.0	36		
AgriPro	SY 547	C	123.7	16	59.7	41	106.0	96.8
AgriPro	SY 576	C	118.0	38	59.0	38	105.8	
AgriPro	SY Viper	C	133.8	2	60.2	41	105.8	
Albert Lea Seed	Erisman	F	100.2	56	61.1	38	92.8	
Albert Lea Seed	LCS 3334		122.6	20	59.8	39	107.8	
Bio Town Seeds	D477W	C	119.1	33	58.2	38	109.6	
Bio Town Seeds	D480W	C	114.0	47	59.2	38	99.1	
Bio Town Seeds	D499W	C	115.6	43	59.7	39	100.7	
Bio Town Seeds	D504W	C	124.2	15	58.2	37	107.9	
Dyna-Gro	9002	G	122.7	19	57.8	39	106.4	
Dyna-Gro	9120	G	113.7	48	60.8	36	97.2	
Dyna-Gro	9151	G	115.1	45	61.3	37	105.1	
Dyna-Gro	9172	G	123.6	17	58.1	38	107.2	
Dyna-Gro	9701	G	111.9	50	58.2	39	103.8	98.0
Dyna-Gro	WX20734	G	118.3	35	58.3	38		
Dyna-Gro	WX20738	G	116.1	41	59.7	40		
Dyna-Gro	WX21741	G	111.6	51	59.5	40		
FS Wheat	600	C	122.4	22	61.6	39		
FS Wheat	601	C	113.4	49	57.4	36		
FS Wheat	603	C	104.6	55	58.5	36	89.8	87.9
FS Wheat	616	C	126.7	9	60.5	40	105.3	
FS Wheat	623	C	109.3	53	59.6	39		
FS Wheat	624	C	125.6	13	58.6	40	104.5	98.1
FS Wheat	WX21B	C	130.1	3	58.7	38		
Hoffman Seed	H7W20	C	111.0	52	59.3	37	101.0	
Hoffman Seed	H7W21	C	120.7	24	58.4	37		
Hoffman Seed	H7W30	C	120.0	30	58.7	38	100.2	
Hoffman Seed	H7W31	C	114.3	46	61.0	37		
Hoffman Seed	H7W40	C	115.8	42	60.4	39	99.5	
Kitchen Seed Company	KSC 418	G	120.7	26	60.1	41	101.9	99.3
Kitchen Seed Company	KSC 420	G	129.9	5	59.1	38		
KWS Cereals	KWS291	C	122.9	18	57.8	36		
KWS Cereals	KWS338	C	117.8	39	60.1	37		
KWS Cereals	KWS340	C	118.9	34	60.3	36		
KWS Cereals	KWS375	C	107.4	54	58.8	39		
Michigan State University	MI16R0720	C	120.3	29	57.1	35		
Michigan State University	MI16R0898	C	134.0	1	59.0	39		
Michigan State University	MI16R0906	C	122.4	21	57.0	37		
Pioneer	25R61	C	126.2	11	59.5	39	112.9	101.9
Pioneer	25R74	C	119.2	32	57.7	37	104.8	96.6
VCIA	VA17W-75	C	124.7	14	61.6	38		
Williamsfield Seed Co	WSC 1148	G	126.3	10	60.0	39		
Williamsfield Seed Co	WSC 1639	G	120.0	31	61.4	38		
Williamsfield Seed Co	WSC 4015	G	117.7	40	61.2	39		
	Trial Mean		120.1		59.4	38		
	LSD, 10%		11.2		0.6	2		
	CV, %		6.9		0.7	4		

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide and G= Gaucho+Fungicide.

³Multi-year averages include means from the Neoga location for 2018.

Table 6. Results of the 2021 wheat variety trial at Perry, in western Illinois.

Company	Variety	ST¹	Yield bu/ac	Yield Rank		Test wt. lb/bu	Height in.	2-yr avg 2020-21 bu/ac	3-yr avg 2019-21 bu/ac
				1 to	Test wt. lb/bu				
AgriMAXX	485	C	89.2	48	52.2	36	88.2	90.2	
AgriMAXX	498	C	91.1	39	52.2	40	86.9		
AgriMAXX	503	C	94.1	29	53.9	38	95.3		
AgriMAXX	505	C	97.5	14	53.6	38	98.9		
AgriMAXX	513	C	99.3	7	51.5	38			
AgriMAXX	516	C	100.9	6	52.0	37			
AgriMAXX	EXP 2009	C	102.0	5	52.0	37			
AgriMAXX	EXP 2026	C	91.4	35	53.3	41			
AgriPro	SREXP0117	C	91.4	34	51.7	36			
AgriPro	SREXP9105	C	88.4	51	48.9	38			
AgriPro	SY 100	C	97.7	12	51.0	38			
AgriPro	SY 547	C	89.0	49	51.8	39	85.5	87.6	
AgriPro	SY 576	C	86.6	52	51.6	36	93.4	95.4	
AgriPro	SY Viper	C	89.2	46	54.4	40	91.6	95.6	
Albert Lea Seed	Erisman	F	85.2	53	53.7	38	86.3		
Albert Lea Seed	LCS 3334		92.6	33	53.7	39	93.1		
American Organic	Erisman		82.7	56	54.6	39			
Bio Town Seeds	D480W	C	74.2	60	53.8	39			
Bio Town Seeds	D499W	C	93.2	31	52.9	40	96.2		
Bio Town Seeds	D504W	C	103.6	4	52.2	37	102.4		
DeRaedt Seed	DeRaedt 47	C	97.7	12	53.9	37	97.1		
Dyna-Gro	9002	G	98.7	9	52.7	40	97.9		
Dyna-Gro	9120	G	95.4	26	53.3	35	90.4		
Dyna-Gro	9151	G	107.9	1	54.2	39	102.6		
Dyna-Gro	9172	G	96.1	20	52.2	36	99.7		
Dyna-Gro	WX20734	G	92.8	32	53.4	38			
Dyna-Gro	WX20738	G	104.9	3	52.6	41			
Dyna-Gro	WX21741	G	96.2	19	53.4	38			
FS Wheat	600	C	95.4	25	53.3	39			
FS Wheat	601	C	95.5	24	51.3	36	92.6	95.8	
FS Wheat	603	C	95.0	27	53.8	36	92.5	97.1	
FS Wheat	616	C	89.4	43	53.4	39	93.2		
FS Wheat	623	C	95.6	23	50.7	41			
FS Wheat	624	C	89.4	44	53.4	38	88.6	91.2	
FS Wheat	WX21B	C	97.0	15	52.2	36			
Green Valley Seed	61X	C	93.5	30	50.6	36			
Green Valley Seed	62X	C	96.6	17	53.7	37			
Green Valley Seed	GV619	C	96.7	16	53.6	36	94.7	99.1	
Green Valley Seed	GV668	C	95.9	21	52.5	41	93.5	98.7	
Green Valley Seed	GV631	C	99.2	8	52.8	40			
Kitchen Seed Company	KSC 418	G	89.2	46	52.2	41	87.8	91.3	
Kitchen Seed Company	KSC 420	G	91.3	36	52.1	38			
Kratz Farms LLC	KF 15241	C	105.7	2	52.4	42	94.9	95.7	
Kratz Farms LLC	KF 15639	C	94.4	28	50.8	43	96.0	98.0	
Kratz Farms LLC	KF 667	C	95.8	22	52.6	38	92.6	92.6	
Kratz Farms LLC	KF 727	C	81.5	58	50.5	41	80.0	85.9	
Kratz Farms LLC	KF 809	C	96.5	18	52.6	38	89.4		
Kratz Farms LLC	KF 920	C	89.4	45	53.0	35			
KWS Cereals	KWS291	C	83.6	54	52.8	36	91.0		
KWS Cereals	KWS340	C	88.8	50	53.2	38			
KWS Cereals	KWS361	C	91.1	37	55.2	42			
KWS Cereals	KWS375	C	91.1	38	53.6	35			
Michigan State University	MI16R0720	C	82.9	55	48.6	35			
Michigan State University	MI16R0898	C	81.2	59	53.5	40			
Michigan State University	MI16R0906	C	82.4	57	49.9	38			
Monier Seed	MW757	G	90.8	40	51.7	41			
Monier Seed	MW857	G	90.2	41	49.7	41	89.9	93.2	
Pioneer	25R61	C	98.5	10	52.1	38	96.9	100.7	
Pioneer	25R74	C	98.1	11	50.6	36	96.9	97.9	
VCIA	VA17W-75	C	89.7	42.0	56.7	37			
	Trial Mean		92.6		52.7	38			
	LSD, 10%		7.3		1.7	2			
	CV, %		5.9		2.4	4			

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.

Table 7. Results of the 2021 wheat variety trial at Urbana, in east central Illinois.

Company	Variety	ST¹	Yield bu/ac	Yield Rank		Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
				1 to 60	2020,21			2018,20-21	
AgriMAXX	485	C	94.6	42	54.2	37	92.5	94.2	
AgriMAXX	498	C	93.7	44	52.6	39	92.2		
AgriMAXX	503	C	99.8	23	55.2	40	97.8		
AgriMAXX	505	C	95.5	38	54.9	39	98.4		
AgriMAXX	513	C	98.7	26	52.5	39			
AgriMAXX	516	C	106.2	10	53.4	39			
AgriMAXX	EXP 2009	C	102.8	15	53.5	40			
AgriMAXX	EXP 2026	C	93.7	45	55.9	43			
AgriPro	SREXP0117	C	110.6	5	53.7	37			
AgriPro	SREXP9105	C	99.0	25	47.9	40			
AgriPro	SY 100	C	104.0	13	51.0	40			
AgriPro	SY 547	C	100.8	20	53.9	44	101.0	101.6	
AgriPro	SY 576	C	97.4	31	53.4	40	97.5		
AgriPro	SY Viper	C	95.8	36	54.6	44	95.0		
Albert Lea Seed	Erisman	F	92.2	50	56.6	41	92.6		
Albert Lea Seed	LCS 3334		98.3	29	55.8	45	96.9		
American Organic	Erisman		94.9	41	56.7	41			
Bio Town Seeds	D480W	C	106.5	8	55.0	42			
Bio Town Seeds	D499W	C	106.3	9	53.6	40	104.2		
Bio Town Seeds	D504W	C	100.7	21	53.4	39	95.3		
DeRaedt Seed	DeRaedt 47	C	91.8	51	54.1	42	95.7		
Dyna-Gro	9002	G	93.0	46	51.9	40	91.5		
Dyna-Gro	9120	G	112.8	2	55.3	41	104.0		
Dyna-Gro	9151	G	107.2	6	54.9	40	95.8		
Dyna-Gro	9172	G	101.2	17	53.2	40	99.6		
Dyna-Gro	WX20734	G	95.3	39	53.0	38			
Dyna-Gro	WX20738	G	110.9	4	53.7	41			
Dyna-Gro	WX21741	G	99.2	24	53.3	37			
FS Wheat	600	C	100.9	19	54.5	40			
FS Wheat	601	C	102.9	14	51.6	38	102.3		
FS Wheat	603	C	89.2	54	53.2	38	84.7	88.0	
FS Wheat	616	C	101.9	16	53.7	41	100.9		
FS Wheat	623	C	98.6	27	55.0	41			
FS Wheat	624	C	87.9	56	53.2	41	87.8	91.8	
FS Wheat	WX21B	C	106.2	11	53.6	39			
Green Valley Seed	61X	C	105.0	12	51.3	37			
Green Valley Seed	62X	C	92.6	48	53.9	37			
Green Valley Seed	GV619	C	89.6	53	54.0	39	93.9		
Green Valley Seed	GV668	C	97.4	30	53.4	42	97.9	99.3	
Green Valley Seed	GV631	C	95.3	40	54.2	39			
Kitchen Seed Company	KSC 418	G	92.2	49	54.3	43	93.0	92.7	
Kitchen Seed Company	KSC 420	G	98.4	28	53.6	38			
Kratz Farms LLC	KF 15241	C	93.8	43	54.9	40	86.7		
Kratz Farms LLC	KF 15639	C	97.1	34	53.0	42	93.3	94.2	
Kratz Farms LLC	KF 667	C	97.1	34	54.4	40	92.8		
Kratz Farms LLC	KF 727	C	97.4	32	53.9	40	96.0	95.8	
Kratz Farms LLC	KF 809	C	113.2	1	53.2	39	103.9		
Kratz Farms LLC	KF 920	C	111.1	3	54.4	40			
KWS Cereals	KWS291	C	82.3	57	52.6	38	92.6		
KWS Cereals	KWS340	C	97.2	33	55.8	38			
KWS Cereals	KWS361	C	91.4	52	54.9	42			
KWS Cereals	KWS375	C	80.9	59	52.3	37			
Michigan State University	MI16R0720	C	88.6	55	48.6	39			
Michigan State University	MI16R0898	C	82.1	58	53.2	41			
Michigan State University	MI16R0906	C	59.7	60	46.7	39			
Monier Seed	MW757	G	92.6	47	53.9	43			
Monier Seed	MW857	G	95.5	37	53.8	41	88.2		
Pioneer	25R61	C	100.6	22	53.9	39	103.9	106.3	
Pioneer	25R74	C	101.1	18	52.3	38	98.0	102.5	
VCIA	VA17W-75	C	107.0	7	56.2	39			
	Trial Mean		97.2		53.7	40			
	LSD, 10%		7.1		0.8	3			
	CV, %		5.4		1.1	5			

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.

Table 8. Results of the 2021 wheat variety trial at Hampshire, in north central Illinois.

<u>Company</u>	<u>Variety</u>	<u>ST¹</u>	<u>Yield bu/ac</u>	<u>Yield Rank 1 to 60</u>	<u>Test wt. lb/bu</u>	<u>Height in.</u>	<u>2-yr avg 2020-21 bu/ac</u>	<u>3-yr avg 2019-21 bu/ac</u>
AgriMAXX	485	C	120.3	26	59.5	35	112.5	113.3
AgriMAXX	498	C	130.0	4	58.7	37	116.6	
AgriMAXX	503	C	125.3	17	58.9	35	112.4	
AgriMAXX	505	C	127.3	11	60.4	34	116.1	
AgriMAXX	513	C	113.1	48	58.3	34		
AgriMAXX	516	C	127.2	12	59.7	35		
AgriMAXX	EXP 2009	C	128.6	7	57.6	33		
AgriMAXX	EXP 2026	C	115.8	41	59.9	37		
AgriPro	SREXP0117	C	103.1	57	56.8	32		
AgriPro	SREXP9105	C	134.4	1	56.6	35		
AgriPro	SY 100	C	115.6	42	56.2	32		
AgriPro	SY 547	C	118.2	33	58.5	34	114.4	117.0
AgriPro	SY 576	C	117.2	37	59.7	36	111.3	114.8
AgriPro	SY Viper	C	105.0	53	57.9	36	109.3	113.0
Albert Lea Seed	Erisman	F	113.2	46	59.8	35	101.4	
Albert Lea Seed	LCS 3334		92.8	59	57.7	34	89.9	
American Organic	Erisman		113.3	45	58.4	35		
Bio Town Seeds	D480W	C	103.1	56	58.3	33		
Bio Town Seeds	D499W	C	119.6	28	58.5	36	111.9	
Bio Town Seeds	D504W	C	89.4	60	57.6	32	92.9	
DeRaedt Seed	DeRaedt 47	C	126.7	13	60.7	36	117.6	
Dyna-Gro	9002	G	133.9	2	58.9	34	127.3	
Dyna-Gro	9120	G	124.6	23	59.7	32	120.5	
Dyna-Gro	9151	G	119.1	32	60.1	35	114.8	
Dyna-Gro	9172	G	118.1	34	59.0	35	110.9	
Dyna-Gro	WX20734	G	113.2	47	58.8	33		
Dyna-Gro	WX20738	G	116.8	38	59.0	33		
Dyna-Gro	WX21741	G	125.2	19	60.1	36		
FS Wheat	600	C	125.3	17	60.9	35		
FS Wheat	601	C	116.5	39	55.4	34	109.2	108.6
FS Wheat	603	C	120.1	27	59.3	35	115.2	108.6
FS Wheat	616	C	119.4	30	59.1	36	112.4	117.3
FS Wheat	623	C	126.1	14	59.2	35		
FS Wheat	624	C	114.0	44	59.1	34	112.2	113.5
FS Wheat	WX21B	C	128.9	6	59.2	34		
Green Valley Seed	61X	C	118.1	34	57.3	33		
Green Valley Seed	62X	C	127.9	9	60.8	35		
Green Valley Seed	GV 619	C	117.5	36	60.2	35	111.8	115.3
Green Valley Seed	GV 668	C	108.2	51	58.0	35	107.2	110.5
Green Valley Seed	GV 631	C	104.9	54	58.6	33		
Kitchen Seed Company	KSC 418	G	125.2	20	58.5	38	117.6	117.7
Kitchen Seed Company	KSC 420	G	114.9	43	59.2	34		
Kratz Farms LLC	KF 15241	C	104.7	55	58.6	35	95.0	101.0
Kratz Farms LLC	KF 15639	C	119.5	29	58.9	38	116.3	116.4
Kratz Farms LLC	KF 667	C	125.7	16	60.8	36	107.4	110.6
Kratz Farms LLC	KF 727	C	129.4	5	58.3	35	112.3	110.4
Kratz Farms LLC	KF 809	C	125.7	15	57.6	35	112.5	
Kratz Farms LLC	KF 920	C	105.5	52	59.1	33		
KWS Cereals	KWS291	C	124.7	22	58.3	34	113.6	
KWS Cereals	KWS340	C	124.9	21	61.2	33		
KWS Cereals	KWS361	C	123.9	24	59.3	37		
KWS Cereals	KWS375	C	116.4	40	60.5	34		
Michigan State University	MI16R0720	C	130.8	3	57.4	34		
Michigan State University	MI16R0898	C	102.3	58	55.9	35		
Michigan State University	MI16R0906	C	127.6	10	58.1	35		
Monier Seed	MW757	G	121.6	25	58.3	39		
Monier Seed	MW857	G	119.1	31	58.3	37	110.8	113.7
Pioneer	25R61	C	128.3	8	58.5	35	116.4	120.8
Pioneer	25R74	C	111.0	49	57.0	34	106.8	111.8
VCIA	VA17W-75	C	108.5	50	59.4	37		
	Trial Mean		118.1		58.8	35		
	LSD, 10%		9.3		1.1	2		
	CV, %		5.8		1.4	5		

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.

Table 9. Agronomic characteristics of wheat varieties sold in Illinois. Descriptions of private varieties are provided by companies. See the bottom of the table (second page) for codes.

Table 9, continued

<u>Origin</u>	<u>Variety</u>	<u>Type</u>	<u>Maturity</u>	<u>Head type</u>	<u>Winter-hardiness</u>	<u>Plant height</u>	<u>Standability</u>	<u>Hessian fly</u>	<u>Leaf rust</u>	<u>Septoria</u>
Hoffman Seed House	H7W20	V	ME	B	VG	M	VG	VG	VG	VG
	H7W30	V	M	S	VG	MT	VG	VG	VG	VG
	H7W40	V	E	S	VG	MS	E	VG	E	E
	H7W21	V	E	B	VG	MS	E	VG	E	VG
	H7W31	V	E	S	VG	MS	E	VG	E	VG
Kitchen Seed	KSC 418 W	V	M	S	VG	M	VG	R	R	R
	KSC 420 W	V	M	S	VG	M	VG	R	R	R
Kratz Farms	KF 920	v	M	S	VG	M	VG	I	S	MR
	KF 809	v	ME	T	VG	MS	E	I	S	MR
	KF 727	v	M	S	VG	T	VG	I	MR	MR
	KF 667	v	ME	T	VG	M	E	I	R	R
	KF 15639	v	ML	B	E	T	VG	I	R	R
	KF 15241	v	M	S	VG	M	VG	I	MS	I
KWS Cereals	KWS340	V	M	T	VG	M	VG		MR	MR
	KWS291	V	ML	T	E	M	VG		I	MR
	KWS375	V	ML	B		M	E	I	I	MR
	KWS361	V	M	S	E	T	E	I	I	I
	KWS338	V	M	S	VG	M	VG		I	
Monier Seed & Service	MW857	V	ML	B	VG	M	VG	NA	MR	I
	MW757	V	ME	T	VG	M	VG	NA	I	R
Michigan State University	MI16R0898	V	ML	T	E	M	E	S	S	R
	MI16R0906	V	M	T	VG	S	E	S	S	R
	MI16R0720	V	E	T	VG	S	G	S	R	R
Pioneer - Corteva	25R61	V	M	B	E	M	E	S	I	
	25R74	V	E	B	E	S	E	R	E	
VCIA	VA17W-75	V	M	TA		M	E	R	R	R
Williamsfield Seed Co	WSC 1639	V	V	S	E	M	VG	I	R	I
	WSC 3547	V	M	S	E	M	VG	I	R	R
	WSC 4015	V	M	TA	E	M	E	I	MR	I

Codes:

Type: V = variety; B = blend; H = hybrid
Maturity: E = 2 or more days earlier than average; ME = 1-2 days early; M = medium maturity, or about average of most varieties grown in Illinois; ML = 1-2 days later than M; L = 2 or more days later than M

Head type: S = smooth (not bearded); T = tip-awned; B = awned (bearded)

Winterhardiness and standability are rated fair (F), good (G), very good (VG) or excellent (E)

Plant height: S = short; M = medium; T = tall

Hessian fly and disease reactions: S = susceptible; R = resistant; I = intermediate;

MS = moderately susceptible; MR = Moderately resistant

Fusarium Head Blight ('Scab') resistance evaluation summary.

By: Jessica Rutkoski, Tadele Kumssa, Keith Ames, Darin Joos

26-Jul-21

Evaluation for resistance to scab took place in a mist irrigated and inoculated nursery. Visual ratings on spikes, visual ratings on kernel damage, and Deoxynivalenol ('Vomitoxin') levels were recorded and analyzed to determine the overall resistance level for each variety. The resistance score of varieties evaluated only in 2021 does not yet include the results from Deoxynivalenol testing.

A resistance category was assigned to each variety based on its observed level of resistance in the nursery. MR varieties are moderately resistant, MS varieties are moderately susceptible, S varieties are moderately susceptible, and S varieties are susceptible. Due to the nature of the disease, no varieties are immune to scab and observed levels of resistance can vary depending on the environment

To ensure adequate control of Scab, MR varieties are recommended in combination with an effective fungicide applied at flowering.

Company	Name	Score		Resistance	Years evaluated
		(1= resistant and 9= susceptible)	SE		
AgriMaxx	454	4.8	0.4	MS	2019, 2020, 2021
AgriMaxx	473	4.2	0.4	MR	2019, 2020, 2021
AgriMaxx	485	4.3	0.4	MR	2019, 2020, 2021
AgriMaxx	498	6.1	0.5	S	2020, 2021
AgriMaxx	503	3.2	0.5	MR	2020, 2021
AgriMaxx	505	5.2	0.5	MS	2020, 2021
AgriMaxx	513	4.1	0.7	MR	2021
AgriMaxx	514	5.1	0.7	MS	2021
AgriMaxx	516	4.2	0.7	MR	2021
AgriMaxx	EXP2002	3.2	0.7	MR	2020, 2021
AgriMaxx	EXP2009	4.1	0.7	MR	2021
AgriMaxx	EXP2026	4.2	0.7	MR	2021
AgriPro	SREXP0117	4.8	1.6	MS	2021
AgriPro	SREXP9105	6.8	0.7	S	2021
AgriPro	SY100	6.5	0.4	S	2019, 2020, 2021
AgriPro	SY547	6.5	0.4	S	2019, 2020, 2021
AgriPro	SY576	6.7	0.5	S	2020, 2021
AgriPro	SYViper	6.7	0.4	S	2019, 2020, 2021
Albert Lea	Eisman	4.3	0.5	MR	2020, 2021
Albert Lea	LCS3334	3.6	0.5	MR	2020, 2021
American Organic	Eisman	4	0.7	MR	2021
BioTown	D477W	2.7	0.5	MR	2020, 2021
BioTown	D480W	4.1	0.7	MR	2021
BioTown	D499W	4.3	0.7	MR	2021
BioTown	D504W	3.3	0.5	MR	2020, 2021
DeRaedt	47	5.2	0.5	MS	2020, 2021
Dyna-Gro	9002	5.9	0.4	S	2019, 2020, 2021
Dyna-Gro	9120	5.2	0.5	MS	2020, 2021
Dyna-Gro	9151	4.5	0.4	MR	2019, 2020, 2021
Dyna-Gro	9172	4.3	0.5	MR	2020, 2021
Dyna-Gro	9701	4.8	0.4	MS	2019, 2020, 2021
Dyna-Gro	WX20734	5.7	0.7	MS	2021
Dyna-Gro	WX20738	5.1	0.7	MS	2021
Dyna-Gro	WX21741	4.4	0.7	MR	2021
FS Wheat	600	4.6	0.7	MS	2021
FS Wheat	601	5.3	0.4	MS	2019, 2020, 2021
FS Wheat	603	4.5	0.4	MR	2019, 2020, 2021
FS Wheat	616	5.2	0.5	MS	2020, 2021

FS Wheat	623	4.9	0.7	MS	2021
FS Wheat	624	6.9	0.4	S	2019, 2020, 2021
FS Wheat	WX21B	4.6	0.7	MS	2021
Green Valley	61X	5.5	0.7	MS	2021
Green Valley	62X	6.1	0.7	S	2021
Green Valley	GV619	5.2	0.4	MS	2019, 2020, 2021
Green Valley	GV631	5.2	1.6	MS	2021
Green Valley	GV668	4.6	0.4	MS	2019, 2020, 2021
Hoffman Seed	H7W20	5.1	0.5	MS	2020, 2021
Hoffman Seed	H7W21	6.3	0.7	S	2021
Hoffman Seed	H7W30	6.4	0.5	S	2020, 2021
Hoffman Seed	H7W31	5.6	0.7	MS	2021
Hoffman Seed	H7W40	3.2	0.7	MR	2020, 2021
Kitchen Seed	KSC418	5.8	0.4	S	2019, 2020, 2021
Kitchen Seed	KSC420	5.8	0.7	S	2021
Kratz Farms	KF15241	3.5	0.4	MR	2019, 2020, 2021
Kratz Farms	KF15639	5.8	0.4	S	2019, 2020, 2021
Kratz Farms	KF667	5	0.4	MS	2019, 2020, 2021
Kratz Farms	KF727	7.6	0.4	S	2019, 2020, 2021
Kratz Farms	KF809	7.3	0.5	S	2020, 2021
Kratz Farms	KF920	5.3	0.7	MS	2021
KWS Cereals	KWS291	7.5	0.5	S	2020, 2021
KWS Cereals	KWS338	3.9	0.7	MR	2021
KWS Cereals	KWS340	6.1	0.7	S	2021
KWS Cereals	KWS361	4.3	0.7	MR	2021
KWS Cereals	KWS375	4.4	0.7	MR	2021
Michigan State University	MI16R0720	6.9	0.7	S	2021
Michigan State University	MI16R0898	6.1	0.7	S	2021
Michigan State University	MI16R0906	9	0.7	S	2021
Moiner Seed	MW757	4.1	0.7	MR	2021
Moiner Seed	MW857	5.9	0.4	S	2019, 2020, 2021
Pioneer	25R61	3.5	0.4	MR	2019, 2020, 2021
Pioneer	25R74	5.4	0.4	MS	2019, 2020, 2021
VICA	VA17W-75	5.1	0.7	MS	2021
Williamsfield Seed	WSC 1148	3.4	0.7	MR	2021
Williamsfield Seed	WSC 1639	4.6	0.7	MS	2021
Williamsfield Seed	WSC 4015	3.5	0.7	MR	2021
Check	Pio25R47	7.4	0.4	S	2019, 2020, 2021
MR Check	IL02-18228	1.9	0.4	MR	2019, 2020, 2021
MR Check	IL07-4415	3.2	0.4	MR	2019, 2020, 2021