



2022 Wheat Variety Performance Trial Results

WHEAT TECH RESEARCH AND DEVELOPMENT DIVISION
WHEAT TECH

Wheat Tech Agronomy

2022 Wheat Variety Performance Tests

General Information:

The 2021-2022 soft red winter wheat variety performance tests were conducted at three different sites: Auburn, Kentucky; Oak Grove, Kentucky; and Charleston, Missouri. The KY locations contained 50 and the MO location contained 44 different varieties.

Varieties were tested using no-till practices, however; the residue was burned off before planting in MO. The preceding crop for all locations was corn. Seeding rates used were as follows: MO was 325 s/yd², while both KY sites were 375 s/yd². Trials were planted using a Hege Drill with a row spacing of 7.5 inches and were harvested with a Kincaid 8-XP research combine with a HarvestMaster Classic GrainGage. Plot dimensions used were 5 feet wide by 20 feet long and were chemically end trimmed for uniform length. All sites contained four replications, and the experimental design used was randomized complete block.

All locations were managed intensively with split applications of nitrogen, insecticides, herbicide sprays in the fall and spring, and a Feekes 5 and Feekes 10.51 fungicide. Nitrogen applied to the KY locations was a January-February/March split application. The rate at Auburn, KY was 60/60 pounds per acre, the rate at Oak Grove, KY was 54/66 pounds per acre, and MO was 49/92 pounds per acre. At the Auburn, Kentucky site, there were four replications treated with a foliar fungicide at Feekes 5 and Feekes 10.51 and four without. The objective for having four untreated replications is to evaluate how each variety responds to the given level of head blight and foliar diseases, and then create a yield fungicide response column. At the Oak Grove, KY and Missouri sites all replications were sprayed with a fungicide at both timings, however; an untreated fifth replication is also placed to help evaluate disease tolerances. The MO site is irrigated, and the other locations are non-irrigated.

Growing Season:

Planting for the wheat growing season began on October 14th with the Christian County, KY location, followed shortly by the Missouri location on the 20th, and finally concluded with the Logan County, KY site on the 22nd. Conditions were favorable this past fall, and the wheat plots got off to a good start. Excellent stands were achieved despite having some heavy corn residue issues at both KY locations.

Weather patterns for all locations would be somewhat variable through the months of January and February. January would bring some extremely cold temperatures, which would cause cold injury. There were several differences in the cold tolerance levels of varieties. Some with more fall growth would experience heavy injury, while others would not. According to James Herbek and Chad Lee, University of Kentucky, “the symptoms from cold temperature damage to wheat appear as leaf burn, where the leaf blades appear yellow to reddish brown at the leaf edges” (<https://graincrops.ca.uky.edu/archived-topics/wheat-freeze-injury>). Although the injury symptoms can look worrisome, this type of injury is considered to be mainly cosmetic and have very little impact on yields. February would bring some slightly warmer temperatures than our 5-year average, which would rise concerns on aphid levels in the fields. While aphid pressure did rise, it would rapidly decline as the crop progressed.

March is a very pivotal month for the wheat crop. This is typically when wheat begins to reach Feekes 6 or jointing, and this past March was no different. The temperatures during and after this growth stage can begin to have a significant impact on yields. According to www.climate.com, the Logan County, KY site had lows of 20°F, 18°F and 25°F consecutively from March 11th – 13th. These temperatures can hurt yields, however; our wheat was just beginning to joint and survived these low temperatures with little impact. Jointing at that location began approximately on March 15th. April would prove to be a very challenging month for several reasons. Early on, the temperatures would stay much cooler than our 5-year average, and our accumulated rainfall would be much higher throughout the entire month. From April 11th – 25th, Missouri would have accumulated 6.5 inches of precipitation, while the 5-year average is 3. These cooler wetter weather conditions would favor some disease development. Powdery Mildew would have some impact later in our growing season than is typical, and disease notes for this would be taken at the Missouri location. It was also prevalent in a lot of fields throughout the state of Kentucky as well.

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Growing Season:

May is always an important month for our wheat crop. This is typically the Fusarium Head Blight (FHB) fungicide application timing, along with the grain fill period. Despite the widespread use of foliar fungicide to help control FHB, there would be a significant amount of the disease present. Ratings were taken at all three locations. The rainfall that was widespread during the first three weeks of April would dry up in May.

According to www.climate.com, at the Christian County, KY location from May 1st – June 10th, the accumulated precipitation would be 2.1 inches short of the 5-year average, and from May 7th- 21st only 1 inch of rain would fall. This combination of dry weather and disease presence would cause great concern for the yield potential of our wheat crop. Although disease development would be high, the dry weather would most likely have contributed to the low impact of the disease on the yield, test weight, and quality.

Although several areas in grower fields were impacted by the dry conditions, yields were very good. In fact, our Logan County, KY location had some of the best yields ever recorded in our test plots. The dry weather during the month of June would lead to a quick harvest and great quality. The wheat growing season of 2021-2022 had several challenges, but it would prove to the hardiness and yield potential of the wheat varieties in our plots.

Data Interpretation:

Maturity groups are separated out into the following classifications:

E = Early

M = Medium

L = Late

ME = Medium/Early

ML = Medium/Late

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. All yields presented have been adjusted to 13.5% moisture. At the bottom of the tables there are three different values: LSD (Least Significant Difference), CV (Coefficient of Variation), and Grand Mean. The mean yields of any two varieties being compared must differ by at least the LSD amount shown to be considered different in yielding ability at the 90% level of probability of significance. CV is a measure of the error variability found within each experiment. Grand Mean is the mean of all values in the group.

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Wheat Tech Research & Development Division:

Brad Wilks – Research Director
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Wheat Tech Owner:

Bill Brinkley

Participating Companies:

AgriMAXX Wheat Company
Corteva AgriScience – Pioneer Seed
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Grow Pro Genetics
Kentucky American Seeds, LLC
KY Small Grain Growers Association/
University of Kentucky
Nutrien Ag Solutions – Dyna-Gro Seed
UniSouth Genetics, Inc.
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Supporting Chemical Companies:

BASF
Bayer CropScience
Corteva AgriScience
FMC Corporation
Syngenta Crop Protection, LLC

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2021-2022 Missouri Winter Wheat Variety Performance Results
Charleston, MO

Variety	Maturity	Yield		TW (lb/bu)	Height (inches)	FHB [¥] Index	PM [¥]
		(bu/ac)				(%) 5/31/22	(0-10) 4/30/22
AgriPro SY 100	ML	130.2	a*	57.9	34	5	0
KAS 21X60	M	130.1	a	59.7	35	5	1
USG 3472	M	130.0	ab	60.3	35	4	0
AgriMAXX 516	M/ML	129.9	abc	60.3	34	3	0
Dyna-Gro 9393	TBD	128.2	a-d	60.1	32	8	2
Dyna-Gro 9231	M	127.6	a-e	60.4	37	5	1
PROGENY 19-12	M	126.5	a-f	58.9	34	4	1
Dyna-Gro WX22793	TBD	126.1	a-g	59.4	35	2	1
Dyna-Gro 9120	E	125.7	a-h	61.2	35	5	1
AgriMAXX 525	ME	124.5	b-i	60.4	34	5	0
AgriPro GP 747	ML	124.3	c-i	56.9	37	3	0
Dyna-Gro 9172	M	124.0	d-j	60.1	35	3	0
AgriMAXX 514	M	123.9	d-j	59.0	34	3	2
PROGENY #BLAZE	ME	123.7	d-k	59.3	35	7	0
KAS Reagan	ML	122.5	e-l	58.6	36	6	0
AgriPro GP 348	E	122.0	e-m	61.7	32	7	0
KAS 21X56	E	122.0	e-m	58.7	34	7	0
AgriPro SY Viper	ME	121.6	f-n	60.4	36	8	1
Dyna-Gro 9290	M	121.5	f-n	59.9	34	6	3
AgriMAXX 505	M	121.2	f-n	62.2	35	2	1
PROGENY #BULLET	ME	120.7	g-n	60.1	38	3	0
USG 3329	ME	120.5	g-n	59.4	36	7	1
AgriMAXX 513	ME	120.3	h-n	62.0	36	1	0
AgriMAXX 503	ME	119.8	i-n	59.7	34	4	4
AgriMAXX 454	M	119.7	i-n	59.2	37	5	3
Pioneer variety 26R36	ML	119.7	i-n	60.6	36	4	6
PROGENY 20-2	ML	119.7	i-n	61.3	34	1	0
Dyna-Gro 9151	ME	119.2	i-n	62.3	34	7	1
AgriMAXX EXP 2222	ME	118.4	j-o	61.2	33	1	0
Pioneer variety 26R59	ME	118.1	k-o	58.4	32	14	0
KAS 21X29	ME	117.8	l-o	60.1	37	4	0
USG 3352	ME	117.3	l-o	59.8	35	2	1
Dyna-Gro 9692	M	117.0	l-o	59.2	34	8	7
PROGENY #BUSTER	M	117.0	l-o	60.9	36	9	3
Pioneer variety EXP	M	116.7	mno	60.6	35	2	0
AgriMAXX EXP 2105	ME	116.3	nop	59.7	33	4	0
Pioneer variety 26R45	M	115.9	n-q	59.0	34	1	0
AgriMAXX 511	E	112.9	o-r	58.1	34	4	5
AgriPro GP 381	ME	110.6	pqr	58.5	34	6	0
Dyna-Gro 9352	TBD	110.5	qr	57.5	36	4	1
KAS 21X61	M	109.8	r	57.8	35	4	1
PROGENY #CHAD	M	109.7	r	57.0	29	5	0
AgriPro GP 463	ME	108.6	r	57.5	33	3	7
AgriPro GP 709	E	102.7	s	59.7	34	3	0
LSD P=.10		5.7	.	.	.	.	.
CV		4.0	.	.	.	.	.
Grand Mean		120.1		59.7	35	5	1

Planted: October 20, 2021; Harvested: June 21, 2022

* - Means followed by same letter do not significantly differ (P=.10, LSD)

¥ - FBH: Fusarium Head Blight %: *Fusarium graminearum*, PM: Powdery Mildew: *Blumeria graminis tritici* Ratings were taken from the flagleaf on a 0-10 scale where 0 equals no disease and 10 equals completely diseased. They were taken from one replication

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2021-2022 Christian County, KY Winter Wheat Variety Performance Results

Oak Grove, KY

Variety	Maturity	Yield		TW (lb/bu)	Height (inches)	FHB [‡] Index	LOD [‡]
		(bu/ac)				(%) 5/30/22	(%) 6/23/22
Dyna-Gro 9231	M	148.6	a*	60.2	35	3	8
Dyna-Gro WX22793	TBD	147.3	ab	59.3	36	11	0
KAS 21X60	M	147.0	abc	60.0	35	14	0
AgriMAXX 516	M/ML	144.6	a-d	59.7	36	9	0
Dyna-Gro 9692	M	141.9	a-e	59.8	37	8	6
KAS 21X29	ME	141.4	a-e	60.1	36	6	18
KAS Reagan	ML	141.2	a-e	58.2	33	10	16
AgriMAXX 525	ME	140.5	a-f	59.9	33	8	0
AgriMAXX 505	M	140.4	a-g	62.1	36	6	0
Pioneer variety 26R36	ML	139.6	b-h	60.7	35	16	0
AgriMAXX 454	M	138.6	c-i	59.5	37	7	0
USG 3472	M	137.8	d-j	59.6	33	10	0
AgriPro GP 747	ML	137.4	d-j	56.3	36	10	28
PROGENY 19-12	M	137.4	d-j	58.0	35	11	9
Dyna-Gro 9120	E	137.3	d-j	61.8	35	19	0
Dyna-Gro 9151	ME	136.9	d-k	62.1	36	11	9
CROPLAN CP8007	L	135.9	e-l	58.9	32	44	3
Dyna-Gro 9393	TBD	135.4	e-l	59.7	33	18	0
AgriMAXX 511	E	135.3	e-l	58.1	35	3	11
Dyna-Gro 9172	M	135.3	e-l	59.7	35	8	0
AgriMAXX EXP 2222	ME	134.0	e-m	61.0	35	22	0
Pioneer variety 26R59	ME	133.5	e-m	59.2	31	19	0
KAS 21X56	E	133.4	e-m	59.0	33	14	0
PROGENY 20-2	ML	133.4	e-m	61.3	35	11	26
PROGENY #BLAZE	ME	132.5	f-m	59.8	34	17	0
PROGENY #BUSTER	M	132.3	f-n	60.9	36	16	0
USG 3329	ME	131.8	g-o	60.0	35	13	20
AgriMAXX 513	ME	131.4	h-p	61.5	36	5	3
AgriPro SY Viper	ME	131.4	h-p	60.7	35	8	20
AgriMAXX 514	M	130.3	i-p	58.2	36	9	19
Dyna-Gro 9290	M	130.0	j-p	59.7	32	11	18
AgriPro SY 100	ML	129.8	j-p	56.9	32	17	34
PROGENY #BULLET	ME	129.4	j-p	59.7	35	6	29
Pembroke 2021	E	128.7	k-p	60.1	35	20	6
Pioneer variety EXP	M	128.5	k-p	60.5	36	8	0
AgriPro GP 381	ME	128.4	k-p	58.4	34	16	0
CROPLAN CP8022	M	127.6	l-q	59.9	32	13	10
AgriMAXX EXP 2105	ME	127.3	l-q	59.4	34	11	29
CROPLAN CP8081	E	126.4	m-q	60.1	35	6	3
AgriMAXX 503	ME	126.1	m-q	59.1	34	6	3

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2021-2022 Christian County, KY Winter Wheat Variety Performance Results
- Continued
Oak Grove, KY

Variety	Maturity	Yield		TW (lb/bu)	Height (inches)	FHB [¥] Index	LOD [¥]
		(bu/ac)				(%) 5/30/22	(%) 6/23/22
Dyna-Gro 9352	TBD	126.0	m-q	57.8	32	6	0
Pioneer variety 26R45	M	123.8	n-r	58.4	34	3	24
KAS 21X61	M	123.3	o-r	57.9	34	3	9
USG 3352	ME	123.3	o-r	59.2	34	4	33
AgriPro GP 348	E	123.1	pqr	61.3	30	29	0
X11-0170-52-3-3	ML	119.2	qr	58.6	37	9	13
X12-3010-4-4-1	ML	117.3	rs	60.0	38	16	25
AgriPro GP 463	ME	110.4	st	57.8	35	1	0
PROGENY #CHAD	M	107.9	t	57.5	31	13	56
AgriPro GP 709	E	103.8	t	60.6	33	11	11
LSD P=.10		8.6		.	.	.	.
CV		5.6		.	.	.	.
Grand Mean		131.7		59.6	35	11	10

Planted: October 14, 2021; Harvested: June 23, 2022

* - Means followed by same letter do not significantly differ (P=.10, LSD)

¥ - FBH: Fusarium Head Blight %; *Fusarium graminearum*, LOD: Lodging %

They were taken from one replication

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2021-2022 Logan County, KY Winter Wheat Variety Performance Results
Auburn, KY

Variety	Maturity	Fungicide Treated					FHB [‡] Index (%)	Septoria [‡] (0-10)	LR [‡] (0-10)	Fung Response (bu/ac)	LOD [‡] (%)
		Yield (bu/ac)		TW (lb/bu)	Height (inches)	Heading Date					
Dyna-Gro WX22793	TBD	165.4	a*	60.5	36	4/29	5	3	5	19.5	0
Dyna-Gro 9172	M	163.3	ab	61.0	35	4/30	4	2	4	18.7	8
KAS Reagan	ML	163.3	abc	59.4	35	4/30	7	2	3	24.6	0
KAS 21X60	M	162.0	a-d	60.5	34	4/29	6	2	6	21.9	0
AgriPro GP 747	ML	161.5	a-d	57.4	36	4/29	17	2	5	18.9	0
Pioneer variety EXP	M	158.5	a-e	61.8	36	4/30	7	2	3	19.5	0
AgriMAXX 516	M/ML	157.7	a-f	60.7	35	4/30	8	2	4	18.4	20
AgriMAXX EXP 2222	ME	157.4	a-f	61.5	33	4/29	7	2	1	15.6	28
Dyna-Gro 9393	TBD	157.2	a-f	60.7	33	4/30	10	2	1	22.7	5
Dyna-Gro 9151	ME	155.9	a-f	63.0	35	4/30	8	1	4	13.0	0
Dyna-Gro 9231	M	155.8	a-f	60.7	37	4/30	4	1	2	10.7	30
AgriMAXX 505	M	155.4	a-f	62.9	34	4/30	5	2	6	18.4	15
Pioneer variety 26R45	M	154.6	a-g	59.8	36	4/29	7	1	1	12.6	40
USG 3472	M	154.4	b-g	61.1	33	4/30	2	2	3	17.0	0
AgriMAXX 454	M	153.9	b-g	59.6	37	4/30	6	2	4	25.0	0
Pioneer variety 26R59	ME	153.3	b-g	60.1	33	4/27	12	1	3	17.6	0
CROPLAN CP8007	L	153.3	b-g	60.3	34	5/5	13	1	1	13.7	20
KAS 21X29	ME	152.9	b-g	60.8	37	4/29	6	2	2	8.5	28
Dyna-Gro 9120	E	152.7	b-g	62.0	36	4/29	7	2	1	15.9	0
Pioneer variety 26R36	ML	152.5	c-h	61.6	35	4/30	9	2	2	17.5	5
AgriMAXX 525	ME	152.4	d-i	60.7	34	5/1	4	1	5	15.3	5
Pembroke 2021	E	151.8	d-j	60.8	37	4/27	8	3	1	23.1	15
KAS 21X61	M	150.0	e-k	59.5	34	4/29	7	2	3	13.1	5
Dyna-Gro 9692	M	149.6	e-k	60.1	38	4/30	5	3	6	19.8	0
AgriPro SY Viper	ME	149.5	e-l	60.9	35	4/27	10	2	3	11.3	30
PROGENY 19-12	M	149.5	e-l	58.7	35	4/30	5	2	1	9.7	23
PROGENY 20-2	ML	148.9	e-l	61.7	36	4/30	13	2	5	20.5	48
AgriMAXX 513	ME	148.8	e-l	62.9	35	4/29	4	1	1	9.2	0
AgriMAXX EXP 2105	ME	148.3	e-l	60.2	35	5/2	13	2	1	11.8	13

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2021-2022 Logan County, KY Winter Wheat Variety Performance Results - Continued
Auburn, KY

Variety	Maturity	Fungicide Treated					FHB [‡] Index (%)	Septoria [‡] (0-10)	LR [‡] (0-10)	Fung Response (bu/ac)	LOD [‡] (%)
		Yield (bu/ac)	TW (lb/bu)	Height (inches)	Heading Date	Heading Date					
AgriPro GP 381	ME	147.4	f-m	59.8	34	4/29	11	1	1	15.0	0
KAS 21X56	E	147.0	f-n	59.9	35	4/28	7	1	1	8.0	0
PROGENY #BUSTER	M	146.8	f-n	61.9	35	4/29	16	2	1	14.0	0
AgriMAXX 514	M	143.9	g-o	58.5	34	5/1	6	2	1	8.7	48
CROPLAN CP8022	M	143.9	g-o	61.3	33	4/29	10	2	3	14.7	43
AgriPro SY 100	ML	141.7	h-o	58.1	35	5/2	12	3	5	16.4	35
USG 3329	ME	141.6	i-o	60.5	34	4/30	10	2	4	21.2	25
Dyna-Gro 9352	TBD	141.0	j-p	58.8	34	4/29	7	2	6	10.2	43
CROPLAN CP8081	E	140.1	k-q	60.6	34	4/27	8	2	2	13.1	45
PROGENY #BLAZE	ME	138.7	l-q	60.5	36	4/30	11	2	3	8.4	40
Dyna-Gro 9290	M	137.3	m-q	61.1	33	4/25	5	2	0	14.5	25
AgriMAXX 503	ME	136.9	m-r	60.3	35	4/30	2	2	2	3.5	70
USG 3352	ME	136.9	m-r	60.3	36	5/1	11	1	1	1.0	40
PROGENY #BULLET	ME	136.4	n-r	60.5	37	4/30	8	2	1	15.7	53
X11-0170-52-3-3	ML	135.5	o-r	59.5	37	5/2	19	2	1	7.5	40
AgriMAXX 511	E	135.3	o-r	58.6	35	4/30	4	2	1	5.8	25
X12-3010-4-4-1	ML	133.9	o-r	60.0	40	5/3	20	1	1	16.5	65
PROGENY #CHAD	M	130.3	pqr	58.6	28	4/25	13	1	1	12.1	53
AgriPro GP 348	E	129.3	qr	61.2	28	4/23	23	1	2	17.7	73
AgriPro GP 709	E	126.5	r	61.0	35	4/24	8	2	1	13.5	8
AgriPro GP 463	ME	126.1	r	58.9	36	4/29	4	2	3	0.5	60
LSD P=.10		10.8	.	.	.	.	.	.	.	.	.
CV		6.3	.	.	.	.	.	.	.	.	.
Grand Mean		147.7	60.4	35	4/29	9	2	3	14.4	23	

Planted: October 22, 2021; Harvested: June 25, 2022

* - Means followed by same letter do not significantly differ (P=.10, LSD)

‡ - FBH: Fusarium Head Blight %: *Fusarium graminearum*, LOD: Lodging %, LR: Wheat Leaf Rust: *Puccinia triticina*, Septoria: *Septoria tritici*

Ratings were taken from the flagleaf on a 0-10 scale where 0 equals no disease and 10 equals completely diseased

Wheat Tech Agronomy
2021-2022 Winter Wheat Variety Performance Results
Kentucky Two Location Average

Variety	Maturity	Yield (bu/ac)	TW (lb/bu)	Height (inches)	FHB [‡] Index (%)	LOD [‡] (%)
Dyna-Gro WX22793	TBD	156.4	59.9	36	8	0
KAS 21X60	M	154.5	60.3	35	10	0
KAS Reagan	ML	152.3	58.8	34	9	8
Dyna-Gro 9231	M	152.2	60.5	36	4	19
AgriMAXX 516	M/ML	151.2	60.2	36	9	10
AgriPro GP 747	ML	149.5	56.9	36	14	14
Dyna-Gro 9172	M	149.3	60.4	35	6	4
AgriMAXX 505	M	147.9	62.5	35	6	8
KAS 21X29	ME	147.2	60.5	37	6	23
AgriMAXX 525	ME	146.5	60.3	34	6	3
Dyna-Gro 9151	ME	146.4	62.6	36	10	5
Dyna-Gro 9393	TBD	146.3	60.2	33	14	3
AgriMAXX 454	M	146.3	59.6	37	7	0
USG 3472	M	146.1	60.4	33	6	0
Pioneer variety 26R36	ML	146.1	61.2	35	13	3
Dyna-Gro 9692	M	145.8	60.0	38	7	3
AgriMAXX EXP 2222	ME	145.7	61.3	34	15	14
Dyna-Gro 9120	E	145.0	61.9	36	13	0
CROPLAN CP8007	L	144.6	59.6	33	29	12
Pioneer variety EXP	M	143.5	61.2	36	8	0
PROGENY 19-12	M	143.5	58.4	35	8	16
Pioneer variety 26R59	ME	143.4	59.7	32	16	0
PROGENY 20-2	ML	141.2	61.5	36	12	37
AgriPro SY Viper	ME	140.5	60.8	35	9	25
Pembroke 2021	E	140.3	60.5	36	14	11
KAS 21X56	E	140.2	59.5	34	11	0
AgriMAXX 513	ME	140.1	62.2	36	5	2
PROGENY #BUSTER	M	139.6	61.4	36	16	0
Pioneer variety 26R45	M	139.2	59.1	35	5	32
AgriPro GP 381	ME	137.9	59.1	34	14	0
AgriMAXX EXP 2105	ME	137.8	59.8	35	12	21
AgriMAXX 514	M	137.1	58.4	35	8	34
USG 3329	ME	136.7	60.3	35	12	23
KAS 21X61	M	136.7	58.7	34	5	7
AgriPro SY 100	ML	135.8	57.5	34	15	35
CROPLAN CP8022	M	135.8	60.6	33	12	27
PROGENY #BLAZE	ME	135.6	60.2	35	14	20
AgriMAXX 511	E	135.3	58.4	35	4	18
Dyna-Gro 9290	M	133.7	60.4	33	8	22
Dyna-Gro 9352	TBD	133.5	58.3	33	7	22
CROPLAN CP8081	E	133.3	60.4	35	7	24
PROGENY #BULLET	ME	132.9	60.1	36	7	41
AgriMAXX 503	ME	131.5	59.7	35	4	37
USG 3352	ME	130.1	59.8	35	8	37
X11-0170-52-3-3	ML	127.4	59.1	37	14	27
AgriPro GP 348	E	126.2	61.3	29	26	37
X12-3010-4-4-1	ML	125.6	60.0	39	18	45
PROGENY #CHAD	M	119.1	58.1	30	13	55
AgriPro GP 463	ME	118.3	58.4	36	3	30
AgriPro GP 709	E	115.2	60.8	34	10	10
Grand Mean		139.7	60.0	35	10	16

‡ - FBH: Fusarium Head Blight %: *Fusarium graminearum*, LOD: Lodging %

Wheat Tech Agronomy
2021-2022 Winter Wheat Variety Performance Results
Three Location Average

Variety	Maturity	Yield (bu/ac)	TW (lb/bu)	Height (inches)	FHB [‡] Index (%)
KAS 21X60	M	146.4	60.1	35	8
Dyna-Gro WX22793	TBD	146.3	59.7	36	6
AgriMAXX 516	M/ML	144.1	60.2	35	7
Dyna-Gro 9231	M	144.0	60.4	36	4
KAS Reagan	ML	142.3	58.7	35	8
AgriPro GP 747	ML	141.1	56.9	36	10
Dyna-Gro 9172	M	140.9	60.3	35	5
USG 3472	M	140.7	60.3	34	5
Dyna-Gro 9393	TBD	140.3	60.2	33	12
AgriMAXX 525	ME	139.1	60.3	34	6
AgriMAXX 505	M	139.0	62.4	35	4
Dyna-Gro 9120	E	138.6	61.7	35	10
PROGENY 19-12	M	137.8	58.5	35	7
AgriMAXX 454	M	137.4	59.4	37	6
KAS 21X29	ME	137.4	60.3	37	5
Dyna-Gro 9151	ME	137.3	62.5	35	9
Pioneer variety 26R36	ML	137.3	61.0	35	10
AgriMAXX EXP 2222	ME	136.6	61.2	34	10
Dyna-Gro 9692	M	136.2	59.7	36	7
Pioneer variety 26R59	ME	135.0	59.2	32	15
Pioneer variety EXP	M	134.6	61.0	36	6
AgriPro SY Viper	ME	134.2	60.7	35	9
KAS 21X56	E	134.1	59.2	34	9
PROGENY 20-2	ML	134.0	61.4	35	8
AgriPro SY 100	ML	133.9	57.6	34	11
AgriMAXX 513	ME	133.5	62.1	36	3
AgriMAXX 514	M	132.7	58.6	35	6
PROGENY #BUSTER	M	132.0	61.2	36	14
PROGENY #BLAZE	ME	131.6	59.9	35	12
Pioneer variety 26R45	M	131.4	59.1	35	4
USG 3329	ME	131.3	60.0	35	10
AgriMAXX EXP 2105	ME	130.6	59.8	34	9
Dyna-Gro 9290	M	129.6	60.2	33	7
PROGENY #BULLET	ME	128.8	60.1	37	6
AgriPro GP 381	ME	128.8	58.9	34	11
AgriMAXX 511	E	127.8	58.3	35	4
KAS 21X61	M	127.7	58.4	34	5
AgriMAXX 503	ME	127.6	59.7	34	4
Dyna-Gro 9352	TBD	125.8	58.0	34	6
USG 3352	ME	125.8	59.8	35	6
AgriPro GP 348	E	124.8	61.4	30	20
PROGENY #CHAD	M	116.0	57.7	29	10
AgriPro GP 463	ME	115.0	58.1	35	3
AgriPro GP 709	E	111.0	60.4	34	7
Grand Mean		133.6	59.9	35	8

[‡] - FBH: Fusarium Head Blight %: *Fusarium graminearum*