

Table 2. Northern Illinois regional wheat variety trial results, 2025

Company	Variety	ST ¹	Regional Average				Hampshire		Perry		Urbana		Maturity		Fusarium Head Blight ⁴	
			Yield	Yield Rank	Test wt.	Height	Yield	Test wt.	Yield	Test wt.	Yield	Test wt.	date ²	Jointing time ³	Score	Category
			bu/ac	1 to 75	lb/bu	in.	bu/ac	lb/bu	bu/ac	lb/bu	bu/ac	lb/bu	days after earliest variety	category: E, M or L	1 to 9	MR, M, MS, or S
AgriMAXX	503	G	122.2	40	58.1	35.8	142.4	57.6	98.8	57.3	117.8	58.9	5	L	5.5	M
AgriMAXX	513	G	120.3	46	58.6	35.8	125.2	58	122	58.9	112.9	59	6	L	5.8	M
AgriMAXX	525	G	116	57	57.7	33.1	121.5	57.2	115	58.1	112.6	57.9	7	M	5.6	M
AgriMAXX	531	G	121.5	43	58.7	37.3	133.2	58.3	115.4	58.9	112.5	59	3	L	2.2	MR
AgriMAXX	543	G	114.8	60	57.4	34.9	117.4	57.7	114.6	56.4	114.9	57.3	3	M	4	MR
AgriMAXX	545	G	130.2	12	56.4	34	139.8	56.4	119.9	56.1	129.6	56.4	7	M	8.2	S
AgriMAXX	553	G	125.6	29	57.4	33.8	126.7	56.9	129.3	58.3	124.7	57.5	7	M	5.2	M
AgriMAXX	556	G	128.7	20	57.2	34.7	136.9	56.6	124.8	57.3	123.5	57.8	7	L	4.4	M
AgriMAXX	EXP 2409	G	122.2	39	57	33.6	127.3	56.5	118.3	57.1	122.6	57.4	5	L	5.2	M
AgriMAXX	561	G	116.6	54	56.8	36	113.6	56.2	125.2	55.3	116.1	58.1	2	M	3.4	MR
AgriPro	GP 543	C	129.3	15	57.3	36.3	136.4	56.7	122.7	58.1	129.5	57.5	6	L	5.8	M
AgriPro	GP 944	C	125.4	30	57	35.5	133.3	56.8	118.9	56.9	123.6	57.2	7	M	5.7	M
American Organic	Erisman AM		111	71	59.3	35.8	123.8	59	102.3	59	103.4	59.7	1	M	4.3	MR
Bio Town Seeds	D423W	C	133.4	4	57	35.5	152.2	56.2	112.8	57.3	126.8	57.7	5	M	4.7	M
Bio Town Seeds	D506W		113.5	63	57.3	34.5	123.5	57.6	100.3	55.9	115.8	57.3	8	L	7.2	MS
Bio Town Seeds	DXW2423	C	127.1	23	57.1	35.5	134.5	56.7	123.6	57.9	122.9	57	7	M	4.6	M
Blue River	801	C	128.9	18	58.1	37.4	136.6	58.1	122.5	57.8	127.7	58	5	L	5	M
Blue River	844	C	116.7	53	58.4	34.5	121.1	57.8	108.4	58.7	123.5	58.8	6	L	8.1	S
DeRaedt Seed	DeRaedt EXP 60	C	131.3	9	57.8	35.1	136.7	57.6	132.9	57.6	123.9	58	6	L	5.8	M
DeRaedt Seed	DeRaedt 47	C	121.7	42	59.4	36.1	127.6	58.8	120.1	60.2	118	59.6	5	M	5.6	M
DeRaedt Seed	DeRaedt 66	C	134.6	2	58.1	34	149.9	57.5	127.2	57.5	120.6	59.1	6	M	6.4	MS
FS InSPIRE	FS 597	G	121	45	57.9	36.7	124.9	57.5	124.6	57.4	113.5	58.4	4	M	6	M
FS InSPIRE	FS 600	G	123.3	36	59.2	34.9	128.3	58.6	123.2	60.3	119.5	59.3	5	M	6.8	MS
FS InSPIRE	FS 606	G	113.5	64	59.6	36.4	121.8	58.7	104.7	60.6	113.8	60.2	2	L	2.8	MR
FS InSPIRE	FS 617	G	122.1	41	57.8	34.4	129.8	57.3	117.6	58.3	118.7	57.9	5	L	6	M
FS InSPIRE	FS 624	G	123	38	58.6	36.9	126.1	58.3	118.2	58.9	127.9	58.5	5	M	8.7	S
FS InSPIRE	FS 743	G	123.9	34	58	36.4	129.1	57.5	121.7	58.1	121.8	58.3	6	M	3.2	MR
FS InSPIRE	FS 745	G	133.6	3	57.8	35.3	146	57.3	123.4	58.5	128.2	57.8	7	M	5.1	M
FS InSPIRE	FS 749	G	131.6	8	58.4	34.1	145.3	57.9	121.1	57.4	124.1	59.2	7	L	5.2	M
FS InSPIRE	WX25A	G	114.9	59	58.4	34.4	120.9	57.9	104.6	58.7	121.3	58.7	8	L	8.3	S
FS InSPIRE	WX25B	G	127.8	22	57.1	36	135.6	56.5	120.9	57.9	126.9	57.3	6	L	5.7	M
FS InSPIRE	WX25C	G	129.2	16	57.8	36.9	138.2	57.4	126	58.1	122.5	58.1	5	L	4.4	M
Green Valley Seed	GV 604	C	116.3	55	57.9	35.6	123.1	57.3	114.4	58.6	111.3	58.1	5	L	5	M
Green Valley Seed	GV 624	C	124.9	31	58.3	34.7	128.4	57.7	125.2	58.6	123.1	58.7	6	M	5.1	M
Green Valley Seed	GV 645	C	119.2	48	57.8	33.4	130.3	57.5	105.8	57.3	120.2	58.2	7	L	5.4	M
Green Valley Seed	6125X	C	131.6	6	57.1	32.3	139.7	56.1	134.4	58.2	118.5	57.6	6	L	4.5	M
Green Valley Seed	6225X	C	125.9	27	57.5	35.2	134.1	57	120.2	58.6	123	57.5	7	M	4.8	M
Green Valley Seed	6325X	C	126.3	24	57.1	35.2	137.1	56.9	117.8	57.5	121.4	56.9	8	M	5.3	M
Kennel Seed Farms	KF 2342	G	114.6	62	58.5	35	119.5	57.9	100.6	58.8	127.6	58.9	6	M	8.9	S
Kennel Seed Farms	KF 2418	G	113.2	66	58.9	34	118.9	57.9	111.2	59.8	110.2	59.5	3	M	4.2	MR
Kennel Seed Farms	KF 9229	G	103.9	75	59.3	38.5	114.5	59.6	84.5	57.3	113.5	59.6	5	L	6.3	MS
Kennel Seed Farms	KF 2549	G	119.2	49	58.8	36.2	135	58.5	105.1	58.2	111.8	59.3	5	M	5.1	M
Kitchen Seed Company	KSC 423 W	F	116.1	56	59.6	35.1	126.2	58.6	109.1	60.5	112.1	60	3	L	3.4	MR
Kitchen Seed Company	KSC 425	F	111.5	68	59.8	40	115.5	59.6	108.5	60.1	112.4	59.8	2	L	5.8	M
Kratz Farms KF Brand	KF 667	F	111.2	69	58.5	34.2	114.9	58.2	109.3	57.9	112	59.1	5	L	5.4	M
Kratz Farms KF Brand	KF 809	F	128.1	21	57.8	35.3	142.2	57.8	117.4	56.7	119.9	58.1	4	M	7.4	MS
Kratz Farms KF Brand	KF 831	F	118.4	52	57.7	33.1	122.6	57.5	115.5	57.1	119.7	57.9	5	M	4.4	M
Kratz Farms KF Brand	KF 849	F	114.7	61	58.5	33.8	115.6	58	112.8	58.8	120.5	58.8	7	L	8.2	S
Kratz Farms KF Brand	KF 857	F	104.8	73	58	34.7	100.7	58.3	109.2	56.6	112.8	58.2	6	L	6.7	MS
Kratz Farms KF Brand	KF 883	F	130.2	10	58.3	34	141.6	57.4	122.2	58.4	124.2	59.2	6	L	4.5	M
Kratz Farms KF Brand	KF 898	F	111.1	70	57.8	36.5	100.9	57.5	122.3	59.9	118.3	57	7	L	5.7	M
Kratz Farms KF Brand	EX KF 881	F	126.2	26	57.9	34	137.5	57.7	116.7	56.8	122	58.4	4	M	7.6	S
KWS Cereals US	KWS579	C	132.3	5	57.2	35.2	135.9	56.5	129.4	58.2	134.3	57.5	6	L	5.3	M
KWS Cereals US	KWS591	C	126.2	25	57.5	35.6	135.5	56.8	115.4	57.3	127	58.2	5	M	5.4	M
KWS Cereals US	KWS604	C	124.8	32	58.2	34.4	139.8	58.4	112	57.2	118.8	58.2	6	L	6.8	MS
KWS Cereals US	KWS623	C	131.6	7	57.2	36	130.2	56.1	137.2	57.8	130.9	58.1	5	M	4.2	MR
KWS Cereals US	KWS625	C	124.4	33	57.9	36	134.1	57.7	119.4	57.7	117.6	58.1	6	M	5	M
Martin Seed	M22	F	123.1	37	59.3	35.1	130.8	58.6	119.6	60.3	118	59.4	6	M	6.5	MS
Martin Seed	M25	F	121	44	56.9	33.1	127.4	56.3	119.4	57	116.4	57.3	6	L	4.3	MR
Merschman Seeds	Peyton 2	G	113.1	67	56.7	34.8	126	55.6	90.5	56.3	121.4	58	2	E	3.4	MR
Merschman Seeds	Millie 8	G	115.6	58	60.6	35	123.1	60.3	110.1	60.2	113.7	60.9	0	M	2.6	MR
Merschman Seeds	Maddie 3	G	128.8	19	58.3	37	135.5	58	127.1	58.6	123.6	58.3	6	M	5.1	M
Merschman Seeds	Julie 12	C	130.2	11	57	34.8	143.7	56.5	121.5	57	120.9	57.6	7	L	5.4	M
Merschman Seeds	M2601	C	129	17	57.2	33.4	135.4	56.4	126.2	58.6	125.5	57.4	6	M	4	MR
Merschman Seeds	M2602	C	123.8	35	57.4	34.6	132.5	56.8	120.6	58.5	116.5	57.5	7	L	5.3	M
Merschman Seeds	M2603	C	129.9	14	57.6	35.1	142.4	57.6	125	57.8	118.2	57.3	5	M	6.9	MS
Merschman Seeds	M2604	C	118.9	50	58.2	34.9	122.8	57.2	114.6	58.8	122.4	58.9	1	M	4.4	M
Merschman Seeds	Blintee 12	C	113.4	65	59.1	33.7	120	58.5	108.4	59.2	112.3	59.6	1	M	3.7	MR
Pioneer	25R65	C	130	13	56.8	34.7	143	56.5	120.2	56.3	123.1	57.1	6	M	6.5	MS
Pioneer	25R76	C	136.1	1	57.5	35.3	147.4	56.8	134.9	57.7	121.5	58.2	6	M	5	M
Pioneer	P25R800	C	125.9	28	56.9	33.9	135.7	56.1	117.8	57.4	122.6	57.4	4	M	4.5	M
Virginia Tech	19VDH-FHB-MAS05-27 F	F	118.9	51	56.1	35.3	117.2	55	118.2	57.1	127.2	56.8	5	M	7.5	MS
Virginia Tech	17VDH-SRW02-125 F	F	103.9	74	59.1	35.1	99.7	58.4	108.4	59.4	111.3	59.7	6	M	6.6	MS
Virginia Tech	VA20FHB-18	F	120.2	47	59.2	38.2	127.3	58.9	119.1	60	113.3	59	6	M	6.2	MS
Virginia Tech	19VTK7-66	F	107.1	72	58.1	37.1	107.4	58.2	105	56.2	112.6	58.5	7	M	6.7	MS
Trial Mean			122		58	35.2	129.3	57.5	116.8	58.1	119.8	58.3	5		5.5	
LSD			5.7		0.3	1.1	7.3	0.5	9.5	0.8	8.2	0.4	1		2.5	
CV			5.5		0.7	4.6	4.8	0.6	6.6	1	7.1	0.7	0.5		36	

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide.²Varieties were evaluated for the date when they reached maturity. The maturity date relative to the earliest variety, 'Millie 8', is reported. Higher values mean later maturity and lower values mean earlier maturity. A value of zero indicates that the variety matured at the same time as Millie 8.³Varieties were evaluated for the timing of jointing and classified in to categories: E= early, M=medium, L=Late. Jointing begins at Feekes growth stage 6 and marks the beginning of more rapid growth and increased vulnerability freeze damage. Varieties that are classified as E, jointed at a time when hard freezes are probable. Varieties that are classified as M, jointed at a time when hard freezes are possible, but unlikely. Varieties classified as L, jointed at a time when hard freezes are highly unlikely.⁴Varieties were evaluated for resistance to FHB at the University of Illinois South Farm at Urbana, IL. To promote disease symptoms, we spread scabby corn kernels on the soil surface 3 weeks before heading and mist irrigated three times per day for 30 minutes. Ratings for each variety are based on expected vomitoxin levels under FHB epidemic conditions. Ratings are expressed on a 1 to 9 scale with 1 being the best (lowest vomitoxin) and 9 being the worst (highest vomitoxin). Varieties with ratings 4.3 or lower are considered at least moderately resistant (MR) to FHB. MR= Moderately Resistant, which is the highest level of resistance available, M= Intermediate level of resistance, MS= Moderately susceptible, S= Susceptible. Higher levels of resistance provide greater control of the disease. The best control is obtained when moderate resistance is combined with a fungicide at flowering.

Location	Hampshire	Perry	Urbana
County	Kane	Pike	Champaign
Site Location	Click to see map	Click to see map	Click to see map
Host	Dezeri DeRaedt	Luke Merrit	CSREC
Soil type	Drummer silty clay loam	Clarksdale silt loam	Flanagan silt loam
Planting date	September 30, 2024	October 1, 2024	October 3, 2024
Harvest date	July 10, 2025	June 23, 2025	July 2, 2025

Nitrogen applied	Pounds N/ A		
Fall	30	30	30
Spring	80	80	100

Latitude	42°02'21.2"N	39°48'11.3"N	40°04'45.0"N
Longitude	88°29'32.8"W	90°49'15.7"W	88°14'37.6"W