

Table 5. Results of the 2024 wheat variety trial at St Peter, in south central Illinois.

Company	Variety	ST ¹	Yield	Yield Rank	Test wt.	Height	Maturity date ²	Jointing time ³	2-yr avg	3-yr avg
									2023-24	2022-24
			bu/ac	1 to 63	lb/bu	in.	days after earliest variety	category: E, M or L	bu/ac	bu/ac
AgriMAXX	503	G	114.3	24	56.7	34.4	4	M	105.2	107.2
AgriMAXX	505	G	106.0	49	58.1	36.2	5	M	101.9	104.6
AgriMAXX	513	G	110.6	41	57.5	35.0	4	L	101.6	104.4
AgriMAXX	514	G	102.1	56	55.1	36.6	7	M	99.4	104.4
AgriMAXX	516	G	115.3	21	58.0	35.9	6	M		
AgriMAXX	525	G	116.9	16	57.0	34.1	6	M	105.0	109.8
AgriMAXX	545	G	123.8	2	56.9	35.5	6	M		
AgriMAXX	EXP 2312	G	106.7	47	57.3	33.1	7	M		
AgriMAXX	EXP 2314	G	115.0	22	56.7	34.1	6	M		
AgriMAXX	EXP 2405	G	111.7	36	55.5	35.0	8	M		
AgriPro	GP 305	C	91.8	62	53.9	33.2	2	M		
AgriPro	GP 381	C	115.4	20	57.7	32.9	3	M		
AgriPro	GP 463	C	109.6	42	57.2	33.1	4	M		
AgriPro	GP 543	C	106.0	48	56.2	33.7	5	M		
AgriPro	GP 747	C	104.0	54	52.7	36.7	8	M		
American Organic	Erisman AM	none	102.7	55	59.4	35.5	0	M		
Baird Seed	BW-322		111.2	38	59.9	39.8	4	M		
Bio-Town Seeds	D423W	C	118.7	11	57.0	35.2	3	M		
Bio-Town Seeds	D506W	C	111.0	39	55.1	34.3	7	M		
Bio-Town Seeds	DXW2320	C	114.2	26	57.1	36.1	7	M		
Bio-Town Seeds	DXW2324	C	121.3	5	55.8	32.9	8	L		
Bio-Town Seeds	DXW2325	C	118.2	12	56.2	35.4	6	M		
Dyna-Gro	9120	G	104.5	53	58.5	35.7	7	M	95.7	100.7
Dyna-Gro	9151	G	109.4	43	58.4	36.4	5	M	99.9	105.6
Dyna-Gro	9172	G	113.2	32	58.0	35.2	7	M	99.9	105.4
Dyna-Gro	9231	G	122.6	4	58.1	38.8	5	M	106.5	
Dyna-Gro	9290	G	105.3	51	58.1	35.9	0	E	95.7	
Dyna-Gro	9422	G	120.2	7	56.8	37.1	4	M	105.8	
Dyna-Gro	9533	G	127.7	1	55.7	30.9	6	M		
Dyna-Gro	9542	G	113.9	28	56.1	34.2	7	L		
Dyna-Gro	9551	G	111.5	37	56.1	34.1	3	M		
Dyna-Gro	9553	G	116.3	19	56.0	34.5	7	M		
Dyna-Gro	9570	G	117.6	13	56.6	35.8	3	L		
Dyna-Gro	9593	G	114.2	25	57.3	36.3	8	M		
FS InSPIRE	FS 597	G	105.3	50	58.2	35.5	1	E	98.2	102.2
FS InSPIRE	FS 600	G	114.0	27	58.4	35.7	5	M	103.6	106.6
FS InSPIRE	FS 606	G	117.0	14	59.9	35.0	5	M	102.3	
FS InSPIRE	FS 617	G	113.6	29	57.8	35.4	6	L	106.3	
FS InSPIRE	FS 624	G	102.0	57	57.3	37.7	4	M	97.9	104.0
FS InSPIRE	FS 743	G	118.8	10	58.2	36.9	2	M		
FS InSPIRE	FS 745	G	116.9	15	58.0	34.3	7	M	100.4	104.2
FS InSPIRE	FS WX24A	G	104.6	52	57.0	33.4	5	M		
FS InSPIRE	FS WX24B	G	113.5	31	56.2	35.7	6	M		
FS InSPIRE	FS WX24C	G	119.6	8	58.0	33.6	8	M		
Hoffman Seed House	H7W21	C	114.8	23	56.0	33.7	4	E	103.2	108.7
Hoffman Seed House	H7W24	C	92.0	61	59.9	33.8	2	E		
Hoffman Seed House	H7W30	C	99.3	58	55.1	36.4	8	E	95.9	99.2
Kitchen Seed	KSC 420W	G	92.5	60	54.1	34.4	7	E		
Kitchen Seed	KSC 423	G	119.1	9	60.2	35.1	4	L	103.8	
KWS Cereals USA	KWS397	C	121.2	6	56.4	36.1	3	E		
KWS Cereals USA	KWS490	C	116.5	18	57.6	32.1	7	M	104.7	
KWS Cereals USA	KWS500	C	112.2	34	57.1	33.1	6	E		
KWS Cereals USA	KWS501	C	110.9	40	55.6	33.9	8	M		
KWS Cereals USA	KWS525	C	91.5	63	54.6	33.8	9	M		
KWS Cereals USA	KWS527	C	113.5	30	56.9	36.1	8	M		
KWS Cereals USA	KWS529	C	106.8	46	54.5	34.7	5	E		
KWS Cereals USA	KWS542	C	116.6	17	58.5	37.2	6	M		
KWS Cereals USA	KWS543	C	111.7	35	56.7	35.1	7	M		
Pioneer	25R65	C	123.5	3	56.1	35.3	5	M	110.0	
Pioneer	25R74	C	108.6	45	56.4	33.5	6	M	94.2	98.8
Pioneer	25R76	C	108.9	44	57.2	35.5	5	M	102.5	105.8
Virginia Tech	16VDH-SRW03-023		112.3	33	56.6	34.6	3	M	95.0	
Virginia Tech	VA19FHB-36		95.6	59	58.3	36.0	5	E	91.9	
Trial Mean			111.4		57.0	35.0	5			
CV			4.1		1.1	2.6	1			
LSD			5.8		0.7	1.2	2.4			

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, Erisman, 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 Erisman.

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.

Location St Peter
County Fayette
Site Location [Click to see map](#)
Host Russ Schwarm
Soil type Hoyleton silt loam
Planting date October 11, 2023
Harvest date June 14, 2024

Nitrogen applied	Pounds N/ A
Fall	0
Spring	120
Latitude	38.8975556
Longitude	-88.8575833