

Table 5. Results of the 2016 wheat variety trial at Brownstown, in south central Illinois.

Company	Variety	ST ¹	Yield bu/ac	Yield	Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
				Rank 1 to 78			2014,16 bu/ac	2013-14,16 bu/ac
AgriMAXX	413	C	104.6	4	57.2	37	96.8	87.9
AgriMAXX	415	C	74.8	39	59.1	37	81.5	76.1
AgriMAXX	444	C	103.6	7	58.0	40	95.4	
AgriMAXX	446	C	97.4	12	58.0	37		
AgriMAXX	452	C	54.7	64	54.7	38		
AgriMAXX	454	C	54.2	65	50.9	36		
AgriMAXX	463	C	104.5	5	57.6	36		
AgriMAXX	464	C	63.4	51	55.6	37		
AgriMAXX	490	C	63.2	52	58.1	39		
AgriMAXX	Exp. 1670	C	54.9	63	56.4	39		
Beck's Hybrids	Beck 114	S	50.0	70	54.5	38		
Beck's Hybrids	Beck 120	S	103.3	8	57.5	37	96.1	87.9
Beck's Hybrids	Beck 123	S	92.2	18	58.7	41		
Beck's Hybrids	Beck 125	S	87.4	26	59.9	40	88.5	
Beck's Hybrids	Beck 128	S	46.7	76	48.9	36		
BioTown Seeds	D491W	G	66.9	47	54.0	36		
BioTown Seeds	D496W	G	97.0	15	55.4	38		
BioTown Seeds	D509W	C	46.1	77	48.8	38		
BioTown Seeds	DXW 1601	C	89.1	25	58.2	36		
DuPont Pioneer	Pioneer 25R40	G	86.1	28	58.7	36	86.2	79.4
DuPont Pioneer	Pioneer 25R46	G	48.4	72	49.7	37	76.3	75.4
DuPont Pioneer	Pioneer 25R50	G	81.5	33	58.3	36		
DuPont Pioneer	Pioneer 25R77	G	101.7	10	60.2	37	94.7	87.6
Dyna-Gro	9223	G	97.2	13	58.0	39	92.6	84.0
Dyna-Gro	9441	G	64.7	48	56.0	42	75.5	
Dyna-Gro	9522	G	108.4	1	58.2	40	99.4	
Dyna-Gro	9591	G	69.1	44	57.0	39	78.3	
Dyna-Gro	9692	G	55.7	61	54.4	38		
Dyna-Gro	9772	G	67.5	45	56.2	39		
Dyna-Gro	WX16771	G	98.5	11	56.8	36		
Equity Seed	Defender	G	79.0	37	56.4	42		
GROWMARK	FS 602	C	95.5	17	57.0	34	90.9	84.6
GROWMARK	FS 604	C	52.3	68	53.8	35		
GROWMARK	FS 615	C	90.8	20	57.0	37		
GROWMARK	FS 619	C	71.1	43	57.2	36		
GROWMARK	FS 622	C	80.7	35	59.5	37	83.7	77.4
GROWMARK	FS 624	C	90.2	21	59.2	41		
GROWMARK	FS 625	C	86.0	29	57.2	39	81.2	75.5
Hartke Seed	L-172	G	58.5	58	55.0	39		
Hoffman Seed House	H7W15	C	79.0	36	57.6	40		
Hoffman Seed House	H7W25	C	53.4	67	55.2	34		
Hoffman Seed House	L 168	C	44.2	78	52.3	38	67.9	
Hoffman Seed House	L 182	C	73.5	41	57.9	40	79.1	
Hoffman Seed House	L 247	C	57.1	59	55.5	40		
Hoffman Seed House	L 304	C	74.9	38	61.4	40		
Kitchen Seed Company	KSC 414W		82.9	31	59.5	41		
Kitchen Seed Company	KSC 415W		50.0	71	54.0	35		
Limagrain Cereal Seeds	L 11520		62.2	54	57.7	35		
Limagrain Cereal Seeds	L 11528	C	85.3	30	59.1	43		
Limagrain Cereal Seeds	L 11541	C	72.4	42	58.8	36		
Merschman	Barbie 12	G	50.7	69	53.7	36		
Merschman	Bintee 10	G	82.4	32	61.5	41		
Merschman	Millie 5	G	61.3	55	54.8	39		
Merschman	Peyton	C	48.1	73	54.3	37		
Merschman	Samantha 2	G	47.7	75	54.0	36		
Miller Bros Farm and Fert.	L-171	G	62.6	53	57.8	40	72.5	70.9
Miller Bros Farm and Fert.	L-304	G	74.4	40	61.3	41		
Pro Harvest	282	C	89.9	23	57.3	35		
Pro Harvest	291	C	53.7	66	49.6	37		
Pro Harvest	295		104.0	6	57.2	37		
Pro Harvest	303		64.0	50	58.6	39	75.5	
Pro Harvest	X9001	C	60.0	57	55.0	39		
Sedlacek	SEDS BLEND		67.4	46	55.9	39		
Stone	21W04	C	90.1	22	59.0	42		
Stone	21W15	C	64.2	49	55.8	40		
Stone	31W04	C	106.3	3	59.1	42		
Stone	41W04	C	57.0	60	53.0	41		
Sunstar Hybrids	S-1200	C	108.1	2	57.9	37	97.5	89.5
Sunstar Hybrids	S-2500	C	55.2	62	51.0	37		
Syngenta	SY 007	C	80.8	34	57.4	36	77.9	
Syngenta	SY 547	C	86.6	27	58.1	41		
USG	3197	C	60.4	56	55.1	37		
USG	3316	C	47.9	74	48.3	37		
USG	3404	C	102.9	9	57.2	37	97.8	
USG	3895	C	89.2	24	57.0	35		
Virginia Crop Impr. Assoc.	Hilliard	G	92.1	19	59.4	40		
Virginia Crop Impr. Assoc.	VA11W-106	G	97.1	14	58.8	37		
Virginia Crop Impr. Assoc.	VA12W-72	G	96.2	16	59.2	38		
	Trial Mean		74.3		56.7	38		
	LSD, 10%		10.4		2.3	2		
	CV, %		10.4		3.0	4		

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

Yields at Brownstown covered a wide range due mostly to heavy stripe rust that affected varieties differently. Much of this difference was due to differences in genetic resistance to this disease, but disease is often not uniform across plots, so there was also more variability than normal. Although these results are still useful, their value in terms of predicting future performance is less than normal.