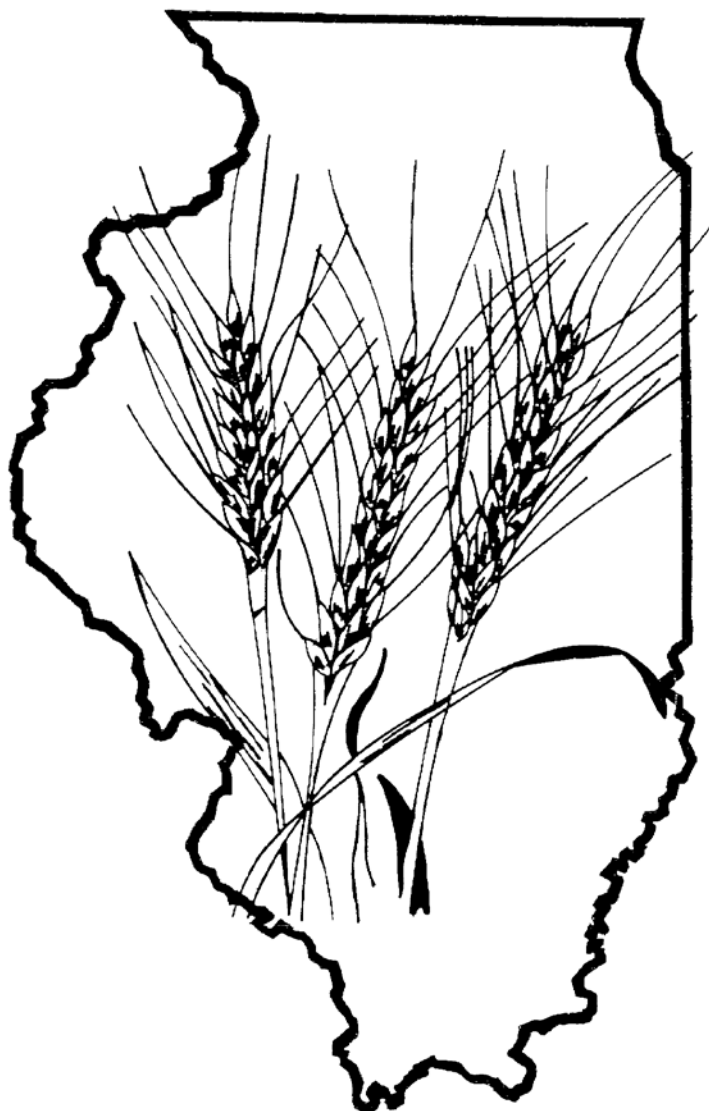


WHEAT PERFORMANCE IN ILLINOIS TRIALS – 2016



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University of Illinois
July 2016**

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The 2015-16 wheat season was a very good one in Illinois, with good yields and good quality. The biggest problem by far was an unprecedented and unexpected outbreak of stripe rust, which hit the crop in early April in southern Illinois and very quickly decreased leaf area in susceptible varieties. Planted acres for 2016 were up slightly from 2015, at 560,000 acres. The July yield estimate for Illinois wheat was 75 bushels per acre, 10 bushels above the yield in 2015 and 8 bushels above the previous record of 67, the state average yield in in 2006, 2013, and 2014.

Wheat planting in the fall of 2015 was delayed moderately by wet weather; the 50% planted date was about October 14. The fall and winter were relatively warm, however, and the crop made more than normal growth during the fall and spent less time in dormancy than it normally does. There was heavy rainfall in late December, but most of the water drained off the surface before things froze up, and stands were good coming out of dormancy.

March was a warmer and a little wetter than normal, and April was close to normal with some areas a little drier than normal. Wheat came out of dormancy early and grew rapidly, with 50% heading by May 6, nearly a week ahead of normal. Most of the Illinois crop experienced rainfall during at least part of the flowering period, but the anticipated cool Fusarium head blight (scab) did not develop nearly as much as expected, and this disease had little effect on wheat grain quality in 2016. As mentioned above, stripe rust, which has seldom been a disease of economic consequence in Illinois wheat, was the big story in 2016. It arrived during vegetative growth and in some cases took most of the leaf area off before or during heading. Many widely-grown varieties have low levels of resistance to this disease, and as we noted on several of the tables in this report, this meant a very wide spread in yields, with the highest yields at a location often double the lowest yields. Levels of the disease are not uniform across a trial, which adds to the variability.

The 2015-16 wheat variety trials were planted on time in most locations, with the Belleville trial delayed by a week or so by wet weather. Plots in these trials were seeded at the rate of 36 seeds per square foot, and consisted of six, 7.5-inch rows trimmed to about 16 feet long before harvest. There were three replications. Yields were corrected to 13.5% moisture. Entries treated with seed-applied insecticide have insecticide treatment identified by product trade name in the tables.

<u>Location</u>	<u>Cooperators</u>	<u>Soil type</u>	<u>Planted</u>	<u>N fertilizer</u>	<u>Harvest</u>
Elkville	Trent Funk	Hurst silt loam	Oct. 5	30 Fall 100 Spring	June 25
Belleville	Ron Krausz	Ebbert silt loam	Oct. 16	30 Fall 85 Spring	June 25
Brownstown	Lindell Deal	Cisne silt loam	Oct. 05	30 Fall 100 Spring	June 21
Orr Center	Mike Vose	Clarksdale silt loam	Sept. 30	30 Fall 80 Spring	June 23
Urbana	Jeff Warren	Flanagan silt loam	Sept. 28	30 Fall 40 Spring	June 24
DeKalb	Greg Steckel	Elpaso silty clay loam	Sept. 25	40 Fall 40 Spring	July 11

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 2016.

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

Hoffman Seed House
PO Box 66, 200 E 4th St
Hoffman, IL 62250
(618) 495-2617

Pro Seed Genetics
N 4297 City Hwy E
Kewaunee, WI 54216
(920) 988-2824

Beck's Hybrids
6767 E 276th St
Atlanta, IN 46031
(317) 984-3508

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

Sedlacek
633 Cedar Road
St Jacob, IL 62281
(618) 644-4789

BioTown Seeds
Box 299
Reynolds, IN 47980
(219) 984-6038

Kratz Farms LLC
4380 Sherman Road
Slinger, WI 53086
(262) 644-9426

Stone Seed Group
5965 W State Route 97
Pleasant Plains, IL
217-546-8006

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

Lewis Hybrids, Inc.
530 West Maple Ave.
Ursa, IL 62376
(217) 964-2131

Sunstar Hybrids
14993 State Road 17
Culver, IN 46511-9642
(574) 842-2775

DuPont Pioneer
421 Detroit Drive
Bloomington, IL 61704
(800) 950-3489

Limagrain Cereal Seeds
2040 SE Frontage Rd
Ft. Collins, CO 80525
(970) 498-2200

Syngenta
14031 Trestle Rd
Highland, IL 62249
(765) 412-5420

Dyna-Gro Seed
2660 Orr Rd.
Bloomville, Ohio 44818
419-310-6370

Martin Seeds, Inc.
10045W Second
Williamsport, IN 47993
(765) 986-2030

UniSouth Genetics, Inc.
3205C HWY 46 S
Dickson, TN 37055
(615) 515-3133

Equity Seed
PO Box 978
Westfield, IN 46074
(888) 898-7333

Merschman Seeds, Inc
103 Ave D, PO Box 67
West Point, IA 52656
(800) 848-7333

Virginia Crop Improvement
9225 Atlee Branch Lane
Mechanicsville, VA 23116
(804) 746-4884

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

Miller Bros. Farm & Fertilizer
2001 Niemannsville Trail
Walshville, IL 62091
(217) 456-9311

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

Moiner Seed and Service
846 Yankee Lane
Sparland, IL 61565
(309) 469-2511

Hartke Seed Farms
22679 Sunset Rd
Litchfield, IL 62059
(217) 324-2680

Pro Harvest Seeds, Inc.
2737 N 700 E Rd
Ashkum, IL 60911
(815) 698-2204

Table 1. Southern Illinois regional wheat variety trial results, 2016

Company	Variety	ST ¹	Regional Average				Elkville		Belleville	
			Yield bu/ac	Yield Rank 1 to 76	Test wt. lb/bu	Height in.	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu
AgriMAXX	413	C	103.2	11	57.5	35	110.4	59.0	96.1	55.9
AgriMAXX	415	C	96.4	37	59.7	37	105.1	61.1	87.7	58.3
AgriMAXX	444	C	103.2	13	57.9	39	108.5	58.9	97.8	56.8
AgriMAXX	446	C	112.0	1	59.0	38	125.5	60.3	98.4	57.7
AgriMAXX	452	C	89.4	62	58.7	40	110.4	60.7	68.3	56.7
AgriMAXX	454	C	93.1	50	56.8	38	115.5	59.4	70.6	54.2
AgriMAXX	490	C	90.2	59	60.4	38	105.7	62.1	74.7	58.7
AgriMAXX	464	C	102.5	16	57.2	39	120.4	59.2	84.6	55.1
AgriMAXX	463	C	103.9	9	59.3	37	105.9	60.4	101.9	58.2
AgriMAXX	Exp. 1670	C	81.3	75	60.5	38	103.6	62.4	58.9	58.7
Beck's Hybrids	Beck 114	S	86.7	67	58.8	39	104.9	60.6	68.5	57.0
Beck's Hybrids	Beck 120	S	104.2	8	58.0	36	116.2	60.0	92.3	56.1
Beck's Hybrids	Beck 123	S	93.8	47	59.3	40	100.8	60.5	86.8	58.1
Beck's Hybrids	Beck 125	S	98.9	26	60.4	39	105.4	61.8	92.3	59.0
Beck's Hybrids	Beck 128	S	91.9	54	56.6	38	116.1	59.3	67.6	53.8
BioTown Seeds	D491W	G	102.9	14	59.3	38	119.7	60.4	86.0	58.1
BioTown Seeds	D496W	G	108.8	3	59.3	37	113.1	60.9	104.6	57.7
BioTown Seeds	DXW 1502	C	95.4	41	56.8	39	119.6	59.1	71.2	54.5
BioTown Seeds	DXW 1601	C	102.7	15	58.2	37	115.3	59.3	90.0	57.1
DuPont Pioneer	Pioneer 25R40	G	97.7	32	57.8	36	106.3	58.1	89.0	57.4
DuPont Pioneer	Pioneer 25R46	G	100.2	20	59.1	40	122.6	61.6	77.9	56.6
DuPont Pioneer	Pioneer 25R50	G	85.5	71	57.4	35	101.4	60.0	69.6	54.9
DuPont Pioneer	Pioneer 25R77	G	100.7	18	60.8	37	107.3	62.1	94.0	59.6
Dyna-Gro	9223	G	100.5	19	57.7	40	112.0	59.6	89.0	55.9
Dyna-Gro	9441	G	86.1	69	59.9	40	91.2	60.8	81.0	59.1
Dyna-Gro	9522	G	106.2	6	57.9	38	118.1	59.1	94.3	56.6
Dyna-Gro	9591	G	98.6	29	60.1	38	106.3	61.6	90.9	58.6
Dyna-Gro	9692	G	93.6	48	57.4	38	115.5	60.1	71.7	54.6
Dyna-Gro	9772	G	99.6	22	57.2	38	116.1	58.8	83.2	55.6
Dyna-Gro	WX16771	G	99.1	24	58.4	36	110.0	59.6	88.3	57.1
Equity Seed	Defender	G	84.3	73	56.6	40	94.5	58.5	74.0	54.7
GROWMARK	FS 602	C	101.8	17	57.5	37	110.3	59.4	93.3	55.7
GROWMARK	FS 604	C	92.4	53	58.0	37	109.5	59.9	75.3	56.1
GROWMARK	FS 615	C	108.8	4	57.8	40	116.5	59.4	101.1	56.2
GROWMARK	FS 619	C	100.1	21	59.1	39	116.2	60.8	84.0	57.3
GROWMARK	FS 622	C	98.7	28	60.3	37	111.4	61.9	85.9	58.6
GROWMARK	FS 624	C	103.2	12	59.1	41	111.9	60.3	94.4	57.8
GROWMARK	FS 625	C	96.9	35	56.3	39	114.0	57.1	79.8	55.4
Hoffman Seed House	H7W15	C	107.1	5	60.4	39	118.4	61.7	95.9	59.1
Hoffman Seed House	H7W25	C	98.5	31	60.9	37	115.0	62.5	82.0	59.2
Hoffman Seed House	L 168	C	92.9	51	57.9	39	112.7	60.0	73.0	55.8
Hoffman Seed House	L 182	C	90.4	57	59.8	39	100.2	61.0	80.5	58.7
Hoffman Seed House	L 247	C	87.7	65	60.0	40	102.0	61.9	73.4	58.1
Hoffman Seed House	L 304	C	89.5	61	60.7	40	97.0	61.1	82.0	60.4
Kitchen Seed Company	KSC 414W		95.1	42	59.3	43	115.0	60.8	75.2	57.8
Kitchen Seed Company	KSC 415W		93.8	45	57.9	38	110.1	59.7	77.5	56.0
Limagrain Cereal Seeds	L 11520		80.8	76	58.9	35	102.3	61.3	59.2	56.5
Limagrain Cereal Seeds	L 11528	C	95.8	40	59.5	43	111.2	60.6	80.4	58.3
Limagrain Cereal Seeds	L 11541	C	87.7	66	59.9	35	102.4	61.6	73.0	58.2
Merschman	Barbie 12	G	98.6	30	56.7	37	120.2	58.3	76.9	55.2
Merschman	Bintee 10	G	94.5	44	61.0	41	109.2	62.1	79.7	59.9
Merschman	Peyton	C	88.4	63	58.4	40	108.8	60.5	67.9	56.3
Merschman	Samantha 2	G	89.8	60	60.2	40	102.6	61.9	77.1	58.5
Miller Bros Farm and Fert.	L-171	G	90.2	58	62.0	43	103.7	63.1	76.7	60.8
Miller Bros Farm and Fert.	L-304	G	96.1	39	61.2	41	107.4	61.8	84.7	60.5
Pro Harvest	282	C	110.6	2	59.1	36	114.7	60.5	106.5	57.7
Pro Harvest	295		90.6	56	56.9	36	105.0	59.0	76.3	54.8
Pro Harvest	303		82.1	74	59.5	37	100.1	61.7	64.1	57.2
Pro Harvest	291	C	96.3	38	57.2	39	118.7	59.4	73.9	55.0
Pro Harvest	X9001	C	86.6	68	58.0	35	100.3	60.0	73.0	56.0
Sedlacek	SEDS BLEND		85.8	70	59.4	38	100.0	61.8	71.7	56.9
Stone	21W04	C	99.2	23	58.1	40	107.1	59.6	91.3	56.6
Stone	21W15	C	84.3	72	56.4	40	102.7	58.7	66.0	54.1
Stone	31W04	C	97.3	33	58.4	40	102.6	59.6	91.9	57.1
Stone	41W04	C	88.0	64	57.8	41	110.2	60.6	65.7	54.9
Sunstar Hybrids	S-1200	C	99.1	25	57.5	36	108.4	59.3	89.8	55.7
Sunstar Hybrids	S-2500	C	91.1	55	56.1	39	118.9	58.9	63.2	53.2
Syngenta	SY 007	C	93.3	49	58.9	36	114.4	61.5	72.2	56.2
Syngenta	SY 547	C	92.6	52	59.4	40	105.0	61.4	80.1	57.4
USG	3197	C	96.9	34	56.7	39	117.2	58.7	76.6	54.7
USG	3316	C	93.8	46	56.9	39	115.1	59.3	72.5	54.5
USG	3404	C	104.6	7	57.9	39	114.3	59.2	94.8	56.5
USG	3895	C	96.8	36	56.7	35	112.7	58.8	80.8	54.5
Virginia Crop Impr. Assoc.	Hilliard	G	103.9	10	59.6	40	116.7	61.3	91.0	57.8
Virginia Crop Impr. Assoc.	VA11W-106	G	94.8	43	59.0	38	108.6	60.9	81.0	57.1
Virginia Crop Impr. Assoc.	VA12W-72	G	98.7	27	59.7	38	108.7	61.5	88.8	57.9
	Trial Mean		94.0		58.8	38	107.1	60.4	80.8	57.2
	LSD, 10%		15.1		1.7	2	9.2	1.6	6.3	0.8
	CV, %		16.7		3.0	5	6.3	2.0	5.8	1.0

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

The Brownstown results will be available later, but are not included in the regional table. This is to avoid having the regional results compromised by the heavy stripe rust and wide range of yields at Brownstown compared to the other two sites.

Table 2. Northern Illinois regional wheat variety trial results, 2016

Company	Variety	ST ¹	Regional Average				Urbana		DeKalb	
			Yield bu/ac	Yield Rank 1 to 79	Test wt. lb/bu	Height in.	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu
AgriMAXX	413	C	113.4	2	56.1	37	119.9	56.8	106.8	55.5
AgriMAXX	438	C	107.5	8	56.7	42	110.1	58.3	105.0	55.0
AgriMAXX	444	C	106.9	12	57.7	39	114.3	58.1	99.4	57.2
AgriMAXX	446	C	106.2	13	57.9	38	108.9	58.4	103.6	57.3
AgriMAXX	452	C	90.0	66	57.9	40	88.3	56.6	91.7	59.2
AgriMAXX	454	C	96.1	46	56.3	41	93.9	54.9	98.3	57.7
AgriMAXX	463	C	107.0	10	56.8	38	112.7	56.3	101.3	57.2
AgriMAXX	464	C	94.4	51	54.4	38	95.7	54.8	93.2	54.1
BioTown Seeds	D491W	G	103.0	30	56.2	39	99.7	56.9	106.4	55.4
BioTown Seeds	DXW 1502	C	88.2	70	54.9	40	81.1	54.2	95.3	55.6
BioTown Seeds	DXW 1601	C	110.4	5	56.9	38	111.7	58.0	109.1	55.7
DeRaedt Seed	DeRaedt 11	C	109.5	6	55.6	38	106.2	56.3	112.7	55.0
DeRaedt Seed	DeRaedt 42	C	86.3	72	57.2	40	86.2	56.9	86.4	57.5
DuPont Pioneer	Pioneer 25R25	G	107.1	9	56.9	38	107.0	57.6	107.3	56.2
DuPont Pioneer	Pioneer 25R40	G	105.9	15	57.9	37	113.8	58.1	98.0	57.7
DuPont Pioneer	Pioneer 25R46	G	83.3	78	56.1	40	79.1	53.2	87.4	59.1
DuPont Pioneer	Pioneer 25R50	G	96.3	45	57.3	36	95.9	57.5	96.7	57.0
DuPont Pioneer	Pioneer 25R77	G	106.2	14	58.9	38	111.9	59.2	100.5	58.6
Dyna-Gro	9522	G	104.2	20	56.8	38	108.1	58.0	100.4	55.5
Dyna-Gro	9552	G	104.4	19	56.8	37	103.8	57.9	105.0	55.7
Dyna-Gro	9692	G	94.4	53	56.1	41	89.3	55.9	99.4	56.4
Dyna-Gro	9772	G	95.8	48	54.3	39	95.5	55.1	96.1	53.6
Dyna-Gro	WX16771	G	104.1	22	57.5	38	112.2	58.0	95.9	56.9
Equity Seed	Butler	G	105.3	17	57.7	40	112.6	59.1	98.0	56.2
Equity Seed	Defender	G	93.3	56	57.3	42	93.3	58.3	93.2	56.3
Green Valley Seed	GV 615	G	89.5	67	59.1	42	94.2	59.1	84.7	59.2
Green Valley Seed	GV 656	G	93.0	58	58.0	43	97.4	58.5	88.7	57.5
GROWMARK	FS 602	C	103.7	25	55.2	37	104.7	56.3	102.7	54.1
GROWMARK	FS 604	C	94.9	50	55.3	39	100.1	56.0	89.8	54.6
GROWMARK	FS 615	C	103.1	28	56.7	37	103.4	58.0	102.8	55.3
GROWMARK	FS 619	C	103.0	31	55.6	41	106.0	57.0	100.0	54.2
GROWMARK	FS 622	C	101.4	34	58.5	38	107.7	59.2	95.1	57.7
GROWMARK	FS 624	C	109.0	7	57.9	41	110.4	59.5	107.6	56.4
GROWMARK	FS 625	C	100.3	37	56.7	40	102.9	57.5	97.6	56.0
Kitchen Seed Company	KSC 414W		94.4	51	59.3	43	97.9	59.7	91.0	58.8
Kitchen Seed Company	KSC 415W		98.1	41	55.7	40	95.7	55.8	100.5	55.6
Kratz Farms LLC	15144	C	93.9	55	57.4	40	94.0	57.7	93.8	57.1
Kratz Farms LLC	15188	C	93.1	57	56.0	42	93.5	55.3	92.7	56.7
Kratz Farms LLC	15241	C	84.5	76	57.2	40	85.0	55.9	84.0	58.6
Kratz Farms LLC	15314	C	103.9	24	56.9	43	107.5	57.4	100.3	56.3
Kratz Farms LLC	15334	C	107.0	11	58.4	40	108.8	60.4	105.3	56.4
Kratz Farms LLC	15421	C	76.1	79	58.7	41	75.4	58.7	76.7	58.6
Lewis Hybrids	Lewis 828	C	91.2	62	57.4	40	95.2	58.3	87.1	56.4
Lewis Hybrids	Lewis 839	C	103.3	27	58.4	40	112.2	59.1	94.5	57.6
Lewis Hybrids	Lewis 851	C	90.4	64	57.9	41	89.4	57.1	91.4	58.6
Limagrain Cereal Seeds	L 11518	C	86.2	73	57.8	38	89.1	58.3	83.3	57.3
Limagrain Cereal Seeds	L 11528	C	98.3	40	59.4	44	102.5	59.5	94.1	59.2
Limagrain Cereal Seeds	L 11541	C	102.7	32	58.6	38	108.3	59.5	97.2	57.8
Martin Seeds, Inc.	Amp16	C	105.5	16	56.3	38	109.4	56.1	101.5	56.5
Martin Seeds, Inc.	M16	C	94.3	54	55.4	40	91.1	54.5	97.5	56.3
Merschman	Barbie 12	G	92.6	59	54.5	40	96.6	55.9	88.6	53.2
Merschman	Bintee 10	G	96.6	44	59.6	43	100.1	60.9	93.1	58.3
Merschman	Millie 5	G	89.3	69	57.0	40	95.9	57.2	82.7	56.9
Merschman	Peyton	C	87.2	71	56.3	41	81.1	54.8	93.2	57.8
Merschman	Samantha 2	G	91.1	63	57.2	41	96.0	56.8	86.2	57.6
Monier Seed	MW844	F	90.1	65	60.2	42	91.4	60.3	88.8	60.1
Monier Seed	MW857	F	104.2	21	57.4	42	116.5	57.7	91.8	57.2
Pro Harvest	282	C	103.1	29	55.7	38	109.0	56.4	97.2	55.1
Pro Harvest	295		113.5	1	55.9	37	113.6	56.4	113.4	55.4
Pro Harvest	303		95.2	49	58.2	41	92.2	58.6	98.3	57.9
Pro Harvest	291	C	92.4	60	56.1	41	87.7	55.0	97.1	57.2
Pro Harvest	X9001	C	92.2	61	56.3	36	94.7	56.3	89.6	56.3
Pro Seed Genetics	PRO 200	G	85.5	74	56.4	44	83.9	56.2	87.2	56.6
Pro Seed Genetics	PRO 240	G	89.4	68	56.8	45	94.7	56.1	84.1	57.4
Pro Seed Genetics	PRO 260	G	100.1	39	56.6	41	106.1	57.4	94.1	55.8
Pro Seed Genetics	PRO 320A	G	104.0	23	56.9	46	105.6	58.6	102.3	55.2
Pro Seed Genetics	PRO 410	G	100.7	36	58.0	40	98.4	59.0	103.0	56.9
Pro Seed Genetics	PRO 420	G	83.4	77	56.6	45	72.1	57.2	94.8	55.9
Stone	21W04	C	97.7	42	57.8	40	102.1	59.0	93.3	56.5
Stone	21W15	C	100.2	38	57.9	41	100.5	58.5	99.9	57.2
Stone	31W04	C	101.1	35	57.8	40	106.6	58.8	95.5	56.7
Stone	41W04	C	84.8	75	56.7	39	87.6	56.6	82.0	56.8
Sunstar Hybrids	S-1200	C	104.6	18	55.9	37	104.0	56.1	105.2	55.8
Sunstar Hybrids	S-2000	C	110.8	4	55.1	37	109.9	56.3	111.7	53.9
Sunstar Hybrids	S-2500	C	95.9	47	55.2	40	90.3	54.1	101.5	56.4
Syngenta	SY 007	C	101.5	33	56.4	39	98.9	57.2	104.1	55.7
Syngenta	SY 100	C	113.1	3	55.6	38	115.3	55.3	110.9	55.8
Syngenta	SY 483	C	103.7	26	57.8	42	104.3	59.1	103.0	56.5
Syngenta	SY 547	C	97.1	43	57.7	42	97.5	58.3	96.6	57.0
	Trial Mean		97.4		57.1	40	95.5	56.8	99.2	57.4
	LSD, 10%		10.7		2.1	2	8.4	0.9	7.0	0.8
	CV, %		11.4		3.8	5	6.5	1.2	5.2	1.0

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

The Perry results will be available later, but are not included in the regional table. This is to avoid having the regional results compromised by the wide range of yields at Perry compared to the other two sites. Stalk lodging reduced grain yields of some plots significantly, a lodging score will be included in the table to indicate the severity of the lodging.

Table 3. Results of the 2016 wheat variety trial at Elkhartville, in far southcentral Illinois.

Company	Variety	ST ¹	Yield bu/ac	Yield	Test wt. lb/bu	Height in.	2-yr avg	3-yr avg ²
				Rank 1 to 76			2015-16 bu/ac	2014-16 bu/ac
AgriMAXX	413	C	110.4	35	59.0	34	110.5	95.1
AgriMAXX	415	C	105.1	56	61.1	36	103.9	90.6
AgriMAXX	444	C	108.5	46	58.9	39	90.0	81.7
AgriMAXX	446	C	125.5	1	60.3	36	111.3	
AgriMAXX	452	C	110.4	35	60.7	40		
AgriMAXX	454	C	115.5	18	59.4	38		
AgriMAXX	463	C	105.9	53	60.4	36		
AgriMAXX	464	C	120.4	3	59.2	39		
AgriMAXX	490	C	105.7	54	62.1	37		
AgriMAXX	Exp. 1670	C	103.6	61	62.4	39		
Beck's Hybrids	Beck 114	S	104.9	59	60.6	39		
Beck's Hybrids	Beck 120	S	116.2	14	60.0	35	103.6	90.7
Beck's Hybrids	Beck 123	S	100.8	69	60.5	38		
Beck's Hybrids	Beck 125	S	105.4	55	61.8	37	103.4	87.9
Beck's Hybrids	Beck 128	S	116.1	16	59.3	38		
BioTown Seeds	D491W	G	119.7	5	60.4	37	110.9	
BioTown Seeds	D496W	G	113.1	28	60.9	36	106.0	
BioTown Seeds	D509W	C	119.6	6	59.1	39	109.5	
BioTown Seeds	DXW 1601	C	115.3	20	59.3	37		
DuPont Pioneer	Pioneer 25R40	G	106.3	52	58.1	36	101.5	87.0
DuPont Pioneer	Pioneer 25R46	G	122.6	2	61.6	39	115.9	102.2
DuPont Pioneer	Pioneer 25R50	G	101.4	68	60.0	35	102.1	
DuPont Pioneer	Pioneer 25R77	G	107.3	49	62.1	36	105.6	89.2
Dyna-Gro	9223	G	112.0	31	59.6	40	114.1	96.5
Dyna-Gro	9441	G	91.2	76	60.8	40	95.8	83.4
Dyna-Gro	9522	G	118.1	10	59.1	38	113.0	96.5
Dyna-Gro	9591	G	106.3	51	61.6	37	103.8	89.7
Dyna-Gro	9692	G	115.5	19	60.1	37		
Dyna-Gro	9772	G	116.1	16	58.8	37	109.1	
Dyna-Gro	WX16771	G	110.0	40	59.6	34		
Equity Seed	Defender	G	94.5	75	58.5	39		
GROWMARK	FS 602	C	110.3	37	59.4	35	108.8	93.8
GROWMARK	FS 604	C	109.5	41	59.9	37	99.7	
GROWMARK	FS 615	C	116.5	13	59.4	39	107.4	
GROWMARK	FS 619	C	116.2	15	60.8	38		
GROWMARK	FS 622	C	111.4	33	61.9	37	106.4	92.2
GROWMARK	FS 624	C	111.9	32	60.3	39	102.4	
GROWMARK	FS 625	C	114.0	27	57.1	40	104.8	90.1
Hoffman Seed House	H7W15	C	118.4	9	61.7	38	112.0	
Hoffman Seed House	H7W25	C	115.0	22	62.5	35	102.8	
Hoffman Seed House	L 168	C	112.7	29	60.0	39	105.7	88.8
Hoffman Seed House	L 182	C	100.2	71	61.0	39	100.3	84.7
Hoffman Seed House	L 247	C	102.0	67	61.9	41		
Hoffman Seed House	L 304	C	97.0	74	61.1	39		
Kitchen Seed Company	KSC 414W		115.0	23	60.8	45		
Kitchen Seed Company	KSC 415W		110.1	39	59.7	38		
Limagrain Cereal Seeds	L 11520		102.3	66	61.3	34		
Limagrain Cereal Seeds	L 11528	C	111.2	34	60.6	44		
Limagrain Cereal Seeds	L 11541	C	102.4	65	61.6	35		
Merschman	Barbie 12	G	120.2	4	58.3	37	110.5	
Merschman	Bintee 10	G	109.2	42	62.1	41	105.7	
Merschman	Peyton	C	108.8	43	60.5	41	101.9	
Merschman	Samantha 2	G	102.6	63	61.9	40		
Miller Bros Farm and Fert.	L-171	G	103.7	60	63.1	42	102.8	86.9
Miller Bros Farm and Fert.	L-304	G	107.4	48	61.8	41		
Pro Harvest	282	C	114.7	24	60.5	35		
Pro Harvest	291	C	118.7	8	59.4	39	111.0	
Pro Harvest	295	C	105.0	58	59.0	35	106.5	
Pro Harvest	303	C	100.1	72	61.7	37	100.3	85.5
Pro Harvest	X9001	C	100.3	70	60.0	35		
Sedlacek	SEDS BLEND		100.0	73	61.8	38		
Stone	21W04	C	107.1	50	59.6	38	105.6	
Stone	21W15	C	102.7	62	58.7	40		
Stone	31W04	C	102.6	63.0	59.6	39	103.6	
Stone	41W04	C	110.2	38.0	60.6	39	109.3	
Sunstar Hybrids	S-1200	C	108.4	47.0	59.3	35	99.7	88.6
Sunstar Hybrids	S-2500	C	118.9	7.0	58.9	39	106.0	
Syngenta	SY 007	C	114.4	25.0	61.5	35	100.6	82.2
Syngenta	SY 547	C	105.0	57	61.4	39	99.3	
USG	3197	C	117.2	11	58.7	39		
USG	3316	C	115.1	21	59.3	39		
USG	3404	C	114.3	26	59.2	37	105.8	92.5
USG	3895	C	112.7	30	58.8	35		
Virginia Crop Impr. Assoc.	Hilliard	G	116.7	12.0	61.3	40	111.1	
Virginia Crop Impr. Assoc.	VA11W-106	G	108.6	45.0	60.9	37	107.4	
Virginia Crop Impr. Assoc.	VA12W-72	G	108.7	44.0	61.5	38		
	Trial Mean		107.1		60.4	38		
	LSD, 10%		9.2		1.6	2		
	CV, %		6.3		2.0	4		

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

²Multi-year averages include means from the Dixon Springs location for 2014.

Pest management is carried out by the cooperator at this site. In 2016 this included Quilt Xcel fungicide and Warrior insecticide on March 30, and Prosaro fungicide on May 5.

Table 4. Results of the 2016 wheat variety trial at Belleville, in southwestern Illinois.

Company	Variety	ST ¹	Yield			Height in.	2-yr avg	3-yr avg
			Yield bu/ac	Rank 1 to 78	Test wt. lb/bu		2015-16 bu/ac	2014-16 bu/ac
AgriMAXX	413	C	96.1	7	55.9	36	88.4	94.1
AgriMAXX	415	C	87.7	26	58.3	37	82.8	88.3
AgriMAXX	444	C	97.8	6	56.8	39	90.9	96.7
AgriMAXX	446	C	98.4	5	57.7	39	89.4	
AgriMAXX	452	C	68.3	70	56.7	40		
AgriMAXX	454	C	70.6	67	54.2	38		
AgriMAXX	463	C	101.9	3	58.2	38		
AgriMAXX	464	C	84.6	31	55.1	39		
AgriMAXX	490	C	74.7	55	58.7	39		
AgriMAXX	Exp. 1670	C	58.9	78	58.7	37		
Beck's Hybrids	Beck 114	S	68.5	69	57.0	38		
Beck's Hybrids	Beck 120	S	92.3	15	56.1	37	88.8	92.8
Beck's Hybrids	Beck 123	S	86.8	27	58.1	41		
Beck's Hybrids	Beck 125	S	92.3	14	59.0	41	86.2	92.0
Beck's Hybrids	Beck 128	S	67.6	72	53.8	38		
BioTown Seeds	D491W	G	86.0	28	58.1	38	84.1	
BioTown Seeds	D496W	G	104.6	2	57.7	37	99.7	
BioTown Seeds	D509W	C	71.2	66	54.5	38	75.7	
BioTown Seeds	DXW 1601	C	90.0	20	57.1	36		
DuPont Pioneer	Pioneer 25R40	G	89.0	22	57.4	35	85.4	90.8
DuPont Pioneer	Pioneer 25R46	G	77.9	45	56.6	40	77.9	87.9
DuPont Pioneer	Pioneer 25R50	G	69.6	68	54.9	34	72.8	
DuPont Pioneer	Pioneer 25R77	G	94.0	12	59.6	37	88.7	91.1
Dyna-Gro	9223	G	89.0	22	55.9	40	82.3	88.3
Dyna-Gro	9441	G	81.0	37	59.1	39	83.9	87.6
Dyna-Gro	9522	G	94.3	11	56.6	38	90.1	95.4
Dyna-Gro	9591	G	90.9	19	58.6	39	89.7	92.6
Dyna-Gro	9692	G	71.7	64	54.6	39		
Dyna-Gro	9772	G	83.2	33	55.6	38	82.6	
Dyna-Gro	WX16771	G	88.3	25	57.1	37		
Equity Seed	Defender	G	74.0	56	54.7	40		
GROWMARK	FS 602	C	93.3	13	55.7	38	86.9	93.2
GROWMARK	FS 604	C	75.3	53	56.1	37	79.0	
GROWMARK	FS 615	C	101.1	4	56.2	40	91.9	
GROWMARK	FS 619	C	84.0	32	57.3	40		
GROWMARK	FS 622	C	85.9	29	58.6	37	83.9	88.5
GROWMARK	FS 624	C	94.4	10	57.8	42	90.7	
GROWMARK	FS 625	C	79.8	43	55.4	37	84.8	87.4
Hartke Seed	L-172	G	76.9	49	58.5	41	81.2	
Hoffman Seed House	H7W15	C	95.9	8	59.1	40	88.3	
Hoffman Seed House	H7W25	C	82.0	35	59.2	38	80.8	
Hoffman Seed House	L 168	C	73.0	61	55.8	38	77.1	81.8
Hoffman Seed House	L 182	C	80.5	40	58.7	38	83.9	87.1
Hoffman Seed House	L 247	C	73.4	58	58.1	39		
Hoffman Seed House	L 304	C	82.0	34	60.4	41		
Kitchen Seed Company	KSC 414W		75.2	54	57.8	41		
Kitchen Seed Company	KSC 415W		77.5	46	56.0	38		
Limagrain Cereal Seeds	L 11520		59.2	77	56.5	35		
Limagrain Cereal Seeds	L 11528	C	80.4	41	58.3	41		
Limagrain Cereal Seeds	L 11541	C	73.0	60	58.2	34		
Merschman	Barbie 12	G	76.9	48	55.2	37	82.1	
Merschman	Bintee 10	G	79.7	44	59.9	41	82.5	
Merschman	Millie 5	G	81.3	36	59.2	41		
Merschman	Peyton	C	67.9	71	56.3	39	75.1	
Merschman	Samantha 2	G	77.1	47	58.5	39		
Miller Bros Farm and Fert.	L-171	G	76.7	50	60.8	43	77.9	83.3
Miller Bros Farm and Fert.	L-304	G	84.7	30	60.5	41		
Pro Harvest	282	C	106.5	1	57.7	37		
Pro Harvest	291	C	73.9	57	55.0	39	79.1	
Pro Harvest	295		76.3	52	54.8	37	77.0	
Pro Harvest	303		64.1	75	57.2	37	72.9	79.4
Pro Harvest	X9001	C	73.0	59	56.0	35		
Sedlacek	SEDS BLEND		71.7	65	56.9	38		
Stone	21W04	C	91.3	17	56.6	41	85.2	
Stone	21W15	C	66.0	73	54.1	39		
Stone	31W04	C	91.9	16	57.1	41	87.4	
Stone	41W04	C	65.7	74	54.9	43	72.7	
Sunstar Hybrids	S-1200	C	89.8	21	55.7	37	87.0	95.0
Sunstar Hybrids	S-2500	C	63.2	76	53.2	39	75.1	
Syngenta	SY 007	C	72.2	63	56.2	36	73.7	79.3
Syngenta	SY 547	C	80.1	42	57.4	40	83.7	
USG	3197	C	76.6	51	54.7	38		
USG	3316	C	72.5	62	54.5	39		
USG	3404	C	94.8	9	56.5	40	87.8	95.6
USG	3895	C	80.8	39	54.5	34		
Virginia Crop Impr. Assoc.	Hilliard	G	91.0	18	57.8	40	84.5	
Virginia Crop Impr. Assoc.	VA11W-106	G	81.0	38	57.1	38	87.4	
Virginia Crop Impr. Assoc.	VA12W-72	G	88.8	24	57.9	38		
	Trial Mean		80.8		57.2	39		
	LSD, 10%		6.3		0.8	2		
	CV, %		5.8		1.0	3		

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

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.

Table 6. Results of the 2016 wheat variety trial at Perry, in western Illinois.

Company	Variety	ST ¹	Yield bu/ac	Lodging ² 0 to 9	Yield Rank 1 to 79	Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
								2015-16 bu/ac	2014-16 bu/ac
AgriMAXX	413	C	121.0	0	7	58.4	36	116.8	109.7
AgriMAXX	438	C	103.6	1	36	60.4	41	101.6	98.8
AgriMAXX	444	C	122.1	0	6	60.0	39	120.0	113.0
AgriMAXX	446	C	130.1	0	1	63.2	40	120.4	
AgriMAXX	452	C	79.4	2	63	56.5	40		
AgriMAXX	454	C	78.0	0	64	58.7	40		
AgriMAXX	463	C	124.5	1	3	60.8	38		
AgriMAXX	464	C	105.9	0	31	58.6	40		
BioTown Seeds	D491W	G	98.5	0	42	58.5	39	107.6	
BioTown Seeds	D509W	C	73.5	0	74	56.4	41		
BioTown Seeds	DXW 1601	C	108.1	2	29	60.1	36		
DeRaedt Seed	DeRaedt 11	C	118.0	0	12	60.9	37	115.0	105.8
DeRaedt Seed	DeRaedt 42	C	71.0	6	76	55.2	40		
DuPont Pioneer	Pioneer 25R25	G	104.6	1	34	59.5	40	106.2	
DuPont Pioneer	Pioneer 25R40	G	115.0	1	19	61.3	37	106.0	102.2
DuPont Pioneer	Pioneer 25R46	G	67.8	0	77	53.3	39	82.0	
DuPont Pioneer	Pioneer 25R50	G	98.7	0	41	62.9	37	100.4	
DuPont Pioneer	Pioneer 25R77	G	114.0	0	21	62.5	38	107.4	99.7
Dyna-Gro	9522	G	122.5	0	4	63.2	39	114.8	109.3
Dyna-Gro	9552	G	120.2	0	10	62.4	39	112.7	
Dyna-Gro	9692	G	74.9	0	71	54.9	41	87.5	
Dyna-Gro	9772	G	103.2	0	37	59.2	40		
Dyna-Gro	WX16771	G	106.9	0	30	60.6	36		
Equity Seed	Butler	G	116.9	1	14	65.1	43	113.9	107.5
Equity Seed	Defender	G	92.9	1	51	58.7	41		
Green Valley Seed	GV 615	G	81.7	4	59	62.7	43		
Green Valley Seed	GV 656	G	103.8	2	35	62.2	42	106.9	
GROWMARK	FS 602	C	122.0	0	5	60.7	36	116.0	109.1
GROWMARK	FS 604	C	75.9	6	68	57.1	39	82.2	
GROWMARK	FS 615	C	93.4	1	50	60.4	37	101.3	
GROWMARK	FS 619	C	104.6	2	33	58.8	41		
GROWMARK	FS 622	C	115.5	1	16	62.4	38	104.5	98.7
GROWMARK	FS 624	C	110.5	0	25	63.2	42	107.2	
GROWMARK	FS 625	C	108.6	1	27	59.8	39	102.7	97.0
Kitchen Seed Company	KSC 414W		115.4	2	17	62.6	43		
Kitchen Seed Company	KSC 415W		75.1	7	70	58.3	39		
Kratz Farms LLC	15144	C	84.3	0	57	55.1	39		
Kratz Farms LLC	15188	C	84.8	3	56	56.9	41	95.5	90.5
Kratz Farms LLC	15241	C	74.2	5	72	57.0	41	89.5	87.8
Kratz Farms LLC	15314	C	111.4	1	24	61.4	40	109.0	100.3
Kratz Farms LLC	15334	C	110.0	2	26	64.3	40		
Kratz Farms LLC	15421	C	67.6	4	79	61.4	40		
Lewis Hybrids	Lewis 828	C	93.4	2	49	59.9	41	98.5	
Lewis Hybrids	Lewis 839	C	98.5	1	43	62.3	42	105.1	99.8
Lewis Hybrids	Lewis 851	C	80.9	0	61	58.1	42	88.8	88.2
Limagrain Cereal Seeds	L 11518		87.6	1	54	60.7	37		
Limagrain Cereal Seeds	L 11528	C	98.3	4	44	61.6	43		
Limagrain Cereal Seeds	L 11541	C	100.7	2	39	59.9	36		
Martin Seeds, Inc.	Amp16	C	117.7	1	13	60.4	36		
Martin Seeds, Inc.	M16	C	75.6	0	69	54.2	42		
Merschman	Barbie 12	G	98.2	0	45	59.4	40	102.7	
Merschman	Bintee 10	G	104.7	4	32	64.3	43	102.6	
Merschman	Millie 5	G	74.0	5	73	59.6	41		
Merschman	Peyton	C	76.3	2	66	57.7	40	88.1	
Merschman	Samantha 2	G	81.6	3	60	59.3	39		
Monier Seed	MW844	F	83.0	8	58	62.8	39		
Monier Seed	MW857	F	120.8	1	8	63.1	42		
Pro Harvest	282	C	116.9	1	15	60.7	38		
Pro Harvest	291	C	71.5	0	75	53.6	41	86.1	
Pro Harvest	295		119.7	0	11	59.0	36	118.8	
Pro Harvest	303		89.0	0	53	61.1	39	95.2	92.9
Pro Harvest	X9001	C	86.2	0	55	59.0	37	91.6	
Pro Seed Genetics	PRO 200	G	76.1	3	67	56.9	43	87.3	
Pro Seed Genetics	PRO 240	G	101.1	1	38	60.8	44	98.5	93.5
Pro Seed Genetics	PRO 260	G	98.1	4	47	60.9	39	98.4	92.8
Pro Seed Genetics	PRO 320A	G	114.7	4	20	61.6	43	116.8	103.7
Pro Seed Genetics	PRO 410	G	113.7	1	22	63.5	42		
Pro Seed Genetics	PRO 420	G	67.7	0	78	60.1	45		
Stone	21W04	C	113.2	0	23	63.1	42	104.2	
Stone	21W15	C	97.6	0	48	60.2	41	100.4	
Stone	31W04	C	100.7	1	39	63.9	42	103.6	
Stone	41W04	C	77.8	0	65	55.8	40		
Sunstar Hybrids	S-1200	C	124.6	0	2	59.5	36	115.3	108.1
Sunstar Hybrids	S-2000	C	120.5	0	9	58.5	36	117.7	110.7
Sunstar Hybrids	S-2500	C	80.9	0	62	55.6	42	91.0	
Syngenta	SY 007	C	108.4	2	28	59.7	38	112.1	
Syngenta	SY 100	C	115.3	0	18	55.5	38		
Syngenta	SY 483	C	90.1	4	52	63.7	43	95.0	94.7
Syngenta	SY 547	C	98.1	0	46	61.3	41	105.8	
	Trial Mean		97.3			60.0	40		
	LSD, 10%		12.2			3.1	2		
	CV, %		9.3			3.9	3		

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

²This site had an unusual amount of lodging in 2016. Stripe rust infection might have been involved, but lodging was not closely associated with loss. We report lodging as additional data. Scale: 0 = no plants lodged; 9 = all plants lodged.

Table 7. Results of the 2016 wheat variety trial at Urbana, in east 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 79			2015-16 bu/ac	2014-16 bu/ac
AgriMAXX	413	C	119.9	1	56.8	38	117.2	110.9
AgriMAXX	438	C	110.1	14	58.3	43	104.8	101.1
AgriMAXX	444	C	114.3	4	58.1	39	111.9	108.9
AgriMAXX	446	C	108.9	18	58.4	38	110.0	
AgriMAXX	452	C	88.3	69	56.6	41		
AgriMAXX	454	C	93.9	59	54.9	42		
AgriMAXX	463	C	112.7	7	56.3	39		
AgriMAXX	464	C	95.7	52	54.8	40		
BioTown Seeds	D491W	G	99.7	41	56.9	40	107.3	
BioTown Seeds	D509W	C	81.1	76	54.2	40		
BioTown Seeds	DXW 1601	C	111.7	12	58.0	38		
DeRaedt Seed	DeRaedt 11	C	106.2	26	56.3	38	110.3	108.4
DeRaedt Seed	DeRaedt 42	C	86.2	72	56.9	42		
DuPont Pioneer	Pioneer 25R25	G	107.0	24	57.6	39	109.2	
DuPont Pioneer	Pioneer 25R40	G	113.8	5	58.1	37	113.9	107.5
DuPont Pioneer	Pioneer 25R46	G	79.1	77	53.2	40	90.8	
DuPont Pioneer	Pioneer 25R50	G	95.9	50	57.5	37	105.0	
DuPont Pioneer	Pioneer 25R77	G	111.9	11	59.2	39	105.9	98.4
Dyna-Gro	9522	G	108.1	21	58.0	38	107.4	104.7
Dyna-Gro	9552	G	103.8	33	57.9	38	106.0	
Dyna-Gro	9692	G	89.3	67	55.9	42	96.8	
Dyna-Gro	9772	G	95.5	53	55.1	40		
Dyna-Gro	WX16771	G	112.2	9	58.0	38		
Equity Seed	Butler	G	112.6	8	59.1	42	114.1	105.6
Equity Seed	Defender	G	93.3	61	58.3	43		
Green Valley Seed	GV 615	G	94.2	57	59.1	44		
Green Valley Seed	GV 656	G	97.4	46	58.5	44	105.2	
GROWMARK	FS 602	C	104.7	30	56.3	38	108.7	106.7
GROWMARK	FS 604	C	100.1	40	56.0	39	94.8	
GROWMARK	FS 615	C	103.4	34	58.0	38	105.7	
GROWMARK	FS 619	C	106.0	28	57.0	41		
GROWMARK	FS 622	C	107.7	22	59.2	39	107.1	102.0
GROWMARK	FS 624	C	110.4	13	59.5	41	111.7	
GROWMARK	FS 625	C	102.9	35	57.5	40	102.3	99.8
Kitchen Seed Company	KSC 414W		97.9	44	59.7	43		
Kitchen Seed Company	KSC 415W		95.7	51	55.8	40		
Kratz Farms LLC	15144	C	94.0	58	57.7	40		
Kratz Farms LLC	15188	C	93.5	60	55.3	42	96.7	93.5
Kratz Farms LLC	15241	C	85.0	73	55.9	42	97.0	96.9
Kratz Farms LLC	15314	C	107.5	23	57.4	43	108.3	100.4
Kratz Farms LLC	15334	C	108.8	19	60.4	39		
Kratz Farms LLC	15421	C	75.4	78	58.7	43		
Lewis Hybrids	Lewis 828	C	95.2	54	58.3	42	100.7	
Lewis Hybrids	Lewis 839	C	112.2	10	59.1	42	115.8	109.1
Lewis Hybrids	Lewis 851	C	89.4	66	57.1	42	93.6	94.9
Limagrain Cereal Seeds	L 11518		89.1	68	58.3	38		
Limagrain Cereal Seeds	L 11528	C	102.5	36	59.5	45		
Limagrain Cereal Seeds	L 11541	C	108.3	20	59.5	38		
Martin Seeds, Inc.	Amp16	C	109.4	16	56.1	38		
Martin Seeds, Inc.	M16	C	91.1	64	54.5	40		
Merschman	Barbie 12	G	96.6	47	55.9	42	105.4	
Merschman	Bintee 10	G	100.1	39	60.9	44	101.0	
Merschman	Millie 5	G	95.9	49	57.2	42		
Merschman	Peyton	C	81.1	75	54.8	41	93.2	
Merschman	Samantha 2	G	96.0	48	56.8	42		
Monier Seed	MW844	F	91.4	63	60.3	41		
Monier Seed	MW857	F	116.5	2	57.7	44		
Pro Harvest	282	C	109.0	17	56.4	39		
Pro Harvest	291	C	87.7	70	55.0	41	95.9	
Pro Harvest	295		113.6	6	56.4	37	112.7	
Pro Harvest	303		92.2	62	58.6	41	101.3	100.0
Pro Harvest	X9001	C	94.7	55	56.3	38	105.0	
Pro Seed Genetics	PRO 200	G	83.9	74	56.2	44	90.2	
Pro Seed Genetics	PRO 240	G	94.7	56	56.1	46	96.6	94.2
Pro Seed Genetics	PRO 260	G	106.1	27	57.4	43	109.0	105.4
Pro Seed Genetics	PRO 320A	G	105.6	29	58.6	46	108.1	98.5
Pro Seed Genetics	PRO 410	G	98.4	43	59.0	42		
Pro Seed Genetics	PRO 420	G	72.1	79	57.2	46		
Stone	21W04	C	102.1	37	59.0	42	106.8	
Stone	21W15	C	100.5	38	58.5	43	105.9	
Stone	31W04	C	106.6	25	58.8	41	109.8	
Stone	41W04	C	87.6	71	56.6	41		
Sunstar Hybrids	S-1200	C	104.0	32	56.1	37	111.6	109.5
Sunstar Hybrids	S-2000	C	109.9	15	56.3	37	112.6	107.1
Sunstar Hybrids	S-2500	C	90.3	65	54.1	41	99.6	
Syngenta	SY 007	C	98.9	42	57.2	39	103.9	
Syngenta	SY 100	C	115.3	3	55.3	38		
Syngenta	SY 483	C	104.3	31	59.1	42	105.8	101.5
Syngenta	SY 547	C	97.5	45	58.3	43	105.7	
	Trial Mean		99.2		57.4	41		
	LSD, 10%		7.0		0.8	2		
	CV, %		1.0		5.2	3		

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

Table 8. Results of the 2016 wheat variety trial at DeKalb, in north 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 79			2015-16 bu/ac	2013,15-16 bu/ac
AgriMAXX	413	C	106.8	8	55.5	35	101.1	93.0
AgriMAXX	438	C	105.0	12	55.0	41	103.7	93.2
AgriMAXX	444	C	99.4	30	57.2	38	100.8	
AgriMAXX	446	C	103.6	15	57.3	37	104.4	
AgriMAXX	452	C	91.7	60	59.2	39		
AgriMAXX	454	C	98.3	32	57.7	39		
AgriMAXX	463	C	101.3	23	57.2	37		
AgriMAXX	464	C	93.2	54	54.1	35		
BioTown Seeds	D491W	G	106.4	9	55.4	38	104.8	
BioTown Seeds	D509W	C	95.3	46	55.6	39		
BioTown Seeds	DXW 1601	C	109.1	5	55.7	38		
DeRaedt Seed	DeRaedt 11	C	112.7	2	55.0	38	110.8	100.8
DeRaedt Seed	DeRaedt 42	C	86.4	71	57.5	38		
DuPont Pioneer	Pioneer 25R25	G	107.3	7	56.2	36	105.9	
DuPont Pioneer	Pioneer 25R40	G	98.0	34	57.7	36	98.3	90.7
DuPont Pioneer	Pioneer 25R46	G	87.4	68	59.1	40	98.4	85.9
DuPont Pioneer	Pioneer 25R50	G	96.7	41	57.0	35	102.0	
DuPont Pioneer	Pioneer 25R77	G	100.5	25	58.6	36	100.3	92.3
Dyna-Gro	9522	G	100.4	26	55.5	37	101.2	
Dyna-Gro	9552	G	105.0	13	55.7	36	104.7	
Dyna-Gro	9692	G	99.4	31	56.4	39	101.6	
Dyna-Gro	9772	G	96.1	43	53.6	38		
Dyna-Gro	WX16771	G	95.9	44	56.9	37		
Equity Seed	Butler	G	98.0	35	56.2	38	105.3	
Equity Seed	Defender	G	93.2	56	56.3	41		
Green Valley Seed	GV 615	G	84.7	73	59.2	39		
Green Valley Seed	GV 656	G	88.7	66	57.5	41	94.5	
GROWMARK	FS 602	C	102.7	19	54.1	36	103.9	93.9
GROWMARK	FS 604	C	89.8	63	54.6	39	92.2	
GROWMARK	FS 615	C	102.8	18	55.3	36	102.4	
GROWMARK	FS 619	C	100.0	28	54.2	41		
GROWMARK	FS 622	C	95.1	47	57.7	37	95.4	88.3
GROWMARK	FS 624	C	107.6	6	56.4	40	104.4	
GROWMARK	FS 625	C	97.6	36	56.0	39	97.9	90.8
Kitchen Seed Company	KSC 414W		91.0	62	58.8	43		
Kitchen Seed Company	KSC 415W		100.5	24	55.6	39		
Kratz Farms LLC	15144	C	93.8	52	57.1	39		
Kratz Farms LLC	15188	C	92.7	58	56.7	41	93.3	
Kratz Farms LLC	15241	C	84.0	75	58.6	38	97.0	
Kratz Farms LLC	15314	C	100.3	27	56.3	42	99.4	
Kratz Farms LLC	15334	C	105.3	10	56.4	40		
Kratz Farms LLC	15421	C	76.7	79	58.6	39		
Lewis Hybrids	Lewis 828	C	87.1	70	56.4	38	91.7	
Lewis Hybrids	Lewis 839	C	94.5	49	57.6	38	103.7	93.7
Lewis Hybrids	Lewis 851	C	91.4	61	58.6	40	96.2	85.3
Limagrain Cereal Seeds	L 11518		83.3	76	57.3	38		
Limagrain Cereal Seeds	L 11528	C	94.1	51	59.2	43		
Limagrain Cereal Seeds	L 11541	C	97.2	38	57.8	38		
Martin Seeds, Inc.	Amp16	C	101.5	21	56.5	37		
Martin Seeds, Inc.	M16	C	97.5	37	56.3	39		
Merschman	Barbie 12	G	88.6	67	53.2	38	99.3	
Merschman	Bintee 10	G	93.1	57	58.3	41	95.0	
Merschman	Millie 5	G	82.7	77	56.9	38		
Merschman	Peyton	C	93.2	55	57.8	41	99.4	
Merschman	Samantha 2	G	86.2	72	57.6	40		
Monier Seed	MW844	F	88.8	65	60.1	42		
Monier Seed	MW857	F	91.8	59	57.2	39		
Pro Harvest	282	C	97.2	39	55.1	36		
Pro Harvest	291	C	97.1	40	57.2	40	101.7	
Pro Harvest	295		113.4	1	55.4	37	109.0	
Pro Harvest	303		98.3	33	57.9	41	101.0	
Pro Harvest	X9001	C	89.6	64	56.3	33	98.1	
Pro Seed Genetics	PRO 200	G	87.2	69	56.6	43	90.5	
Pro Seed Genetics	PRO 240	G	84.1	74	57.4	44	86.2	83.1
Pro Seed Genetics	PRO 260	G	94.1	50	55.8	39	89.3	82.3
Pro Seed Genetics	PRO 320A	G	102.3	20	55.2	45	102.3	93.8
Pro Seed Genetics	PRO 410	G	103.0	17	56.9	38		
Pro Seed Genetics	PRO 420	G	94.8	48	55.9	44		
Stone	21W04	C	93.3	53	56.5	37	96.5	
Stone	21W15	C	99.9	29	57.2	39	99.7	
Stone	31W04	C	95.5	45	56.7	38	99.2	
Stone	41W04	C	82.0	78	56.8	37		
Sunstar Hybrids	S-1200	C	105.2	11	55.8	37	108.0	96.0
Sunstar Hybrids	S-2000	C	111.7	3	53.9	37	107.9	
Sunstar Hybrids	S-2500	C	101.5	22	56.4	39	102.5	
Syngenta	SY 007	C	104.1	14	55.7	38	106.8	95.8
Syngenta	SY 100	C	110.9	4	55.8	37		
Syngenta	SY 483	C	103.0	16	56.5	41	101.8	89.4
Syngenta	SY 547	C	96.6	42	57.0	41	100.1	
	Trial Mean		95.5		56.8	39		
	LSD, 10%		8.4		0.9	2		
	CV, %		6.5		1.2	4		

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

<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>Stand-ability</u>	<u>Hessian fly</u>	<u>Leaf rust</u>	<u>Septoria</u>	
AgriMAXX	413	V	E	B	E	MS	E	S	MI	MR	
	415	V	M	B	VG	M	E	S	MR	MR	
	438	V	ML	S	VG	M	VG	S	MR	MR	
	444	V	M	B	E	M	E	S	MS	MR	
	446	V	M	B	E	M	E	S	MR	MR	
	447	V	M	S	E	M	E	MR	MS	MR	
	452	V	E	S	E	M	E	S	MS	MR	
	454	V	M	B	E	M	E	S	MR	MR	
	463	V	E	S	E	M	E	S	MR	MR	
	464	V	M	B	E	M	E	S	MR	MR	
	490	V	VE	B	E	M	E	S	MS	MR	
	EXP 1670	V	VE	S	E	M	VG	S	MS	MR	
	Beck's Hybrids	Beck 114	V	E	S	E	M	E	S	MR	MR
		Beck 120	V	ME	B	E	S	E	S	MS	MR
Beck 123		V	ME	B	E	M	G	S	MR	MR	
Beck 125		V	M	B	E	M	G	S	MS	MR	
Beck 128		V	ML	B	E	M	G	S	I	MR	
BioTown Seeds	Diener 491	V	M	B	VG	M	E	S	MS	MS	
	Diener 496	V	ME	S	VG	M	E	NR	R	R	
	Diener 509	V	M	B	E	M	E	NR	MR	MS	
	Diener XW1601	V									
DeRaedt Seed	11	V	ME	B	E	M	E	S	I	MR	
	42	V	EM	S	VG	MT	E		MR	R	
DuPont Pioneer	25R25	V	L	B	E	M	VG	S	I	MR	
	25R40	V	ML	B	G	S	E	S	I	MR	
	25R46	V	ML	B	VG	M	E	S	I	I	
	25R50	V	M	S	VG	S	E	R	R	MR	
	25R77	V	E	B	VG	S	E	R	MS	MS	
Dyna-Gro Seed	9223	V	ML	S	E	T	VG	S	MS	MR	
	9441	V	E	S	E	M	VG	S	MR	MS	
	9522	V	M	B	E	M	VG	S	MS	MR	
	9552	V	M	B	E	M	E	R	MS	MR	
	9591	V	ME	B	VG	M	VG	MS	MR	MR	
	9692	V	M	B	E	M	VG	S	I	I	
	WX15742	V	ME	B	VG	M	E	MR	MR	MR	
	WX16771	V	ME	B	E	S	E	I	I	I	
Equity Enterprises	Butler	V	M	S	E	M	E		MR	MR	
	Defender	V	M	T	VG	T	VG		MR	MR	
Green Valley Seed	GV 615	V									
	GV 656	V	ME	B	G	M	VG	S	VG	E	
Growmark	FS 602	V	ME	B	E	S	E	S	MR	MR	
	FS 604	V	ME	S	E	S	E	S	MR	MR	
	FS 615	V	M	B	E	M	E	S	MS	MR	
	FS 619	V	M	B	E	M	VG	S	MS	MR	
	FS 622	V	M	B	E	M	E	S	MR	MR	
	FS 624	V	M	S	VG	M	E	MR	MS	I	
	FS 625	V	M	S	E	M	VG	S	MS	I	
Hartke Seed Farms	L-172	V	VE	S	E	M	VG	I	MR	MR	
Hoffman Seed House	H7W15	V	ME	B	VG	M	E	MS	MR	MR	
	H7W25	V	ME	B	VG	MS	VG	S	MR	MR	
	L168	V	E	S	VG	S	VG	S	MS	MS	
	L182	V	E	S	VG	M	VG	S	MR	MR	
	L247	V	ME	S	E	MT	VG	S	R	I	
	L304	V	M	S	VG	MT	E	S	MS	I	
Kitchen Seed	KSC 414	V	ME	B	VG	T	E	MR	I	I	
	KSC 415		ME	S	G	M	E	MR	I	I	
Kratz Farms LLC	KF 15144	V	ML	S	VG	T	G		MR	R	
	KF 15188	V	ML	S	E	T	G		I	R	
	KF 15241	V	ME	S	E	M	VG		MR	MR	
	KF 15314	V	ME	S	VG	M	VG		I	R	
	KF 15421	V	M	S	E	T	G		MR	MR	
Lewis Hybrids	Lewis 829	V	ME	S	E	M	E	I	MR	I	
	Lewis 839	V	M	S	E	M	E	I	MR	MR	
	Lewis 851	V	M	S	E	T	VG	I	R	MR	

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>
Limagrain Cereal Seeds	L11528	V	M	B	VG	T	E	I	MR	R
	L11518	V	M	S	VG	M	VG	I	MR	MR
	L11520	V	M	S	VG	M	VG	I	MR	R
	L11541	V	M	S	VG	S	E	MR	I	MR
Martin Seeds	Amp16	V	ME	S	VG	M	E	I	MR	MR
	M16	V	M	B	VG	M	VG	I		
Merschman Seeds, Inc.	Barbie 12	V	M	T	VG	M	VG	S	I	I
	Bintee 10	V	M	S	E	T	VG	S	I	I
	Millie 5	V	E	S	G	S	VG	S	I	I
	Peyton	V	ME	S	E	M	VG	S	I	I
	Samantha 2	V	ME	S	E	M	VG	S	I	I
Miller Bros. Seed & Fertilizer	L-171	V	VE	S	E	M	VG	I	R	MR
	L-304	V	M	S	E	M	VG	I	R	R
Monier Seed & Service	MW844	V	E	S	VG	M	VG		I	I
	MW857	V	ME	B	VG	M	VG		I	I
Pro Harvest Seeds Inc.	295	V	E	B	EX	S	VG	S	R	MR
	303	V	M	S	VG	M	E	S	I	MR
	282	V	E	S	E	S	E	S	MR	MR
	291	V	M	B	VG	M	VG	S	I	MR
	X9001	V	M	S	E	M	VG	S	MR	MR
Pro Seed Genetics	PRO 200	V	M	S	VG	M	VG		R	MR
	PRO 240	V	E	S	G	M	VG		MR	MR
	PRO 260	V	M	S		M			R	MR
	PRO 320A	V		B	G	M	VG		MR	MR
	PRO 410	V	M	B		M			R	I
	PRO 420	V	M	S	E	M	G		S	R
Sedlacek	SEDS BLEND	b	me	STB	VG	M	VG	MS	MS	I
Stone Seed Group	21W04	V	ME	S	E	MT	E	MR	I	MR
	31W04	V	M	S	E	M	E	MR	MR	MR
	41W04	V	ML	S	E	MT	E	I	R	MR
	21W15	V	ME	S	E	M	E	MR	MR	MR
Sunstar Hybrids	S-1200	V	ME	B	VG	MS	E		MR	R
	S-2000	V	M	B		M	E		MR	MR
	S-2500	V	M	B	VG	M	E	I	I	
Syngenta	SY 483	V	ML	S	VG	M	G	S	MS	MS
	SY 100	V	ML	S	E	S	VG	S	S	MS
	SY 007	V	ME	B	VG	M	VG	MS	MS	MS
	SY 547	V	ME	S	VG	M	VG	S	MR	MR
UniSouth Genetics	3197	V	M	B	VG	M	VG	S	MR	R
	3316	V	M	B	E	M	E	S	I	MR
	3404	V	ML	B	E	M	E	S	R	R
	3536	V	ME	B	VG	MT	E		MR	MR
	3895	V	M	B	VG	MS	E	S	R	MR
Virginia Tech	Hilliard	V	M	T		M			MR	
	VA11W-106	V	M	T		M			MR	
	VA12W-72	V	E	B		M			MR	

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

2016 University of Illinois Winter Wheat Variety Trial

Scab Resistance Evaluation *

Frederic L. Kolb and Allison Krill Brown, University of Illinois, Crop Sciences

Varieties with greater resistance have lower rating numbers.

Company	Entry Name	Scab Resistance Rating (0-9)	Company	Entry Name	Scab Resistance Rating (0-9)
AgriMAXX	AgriMAXX 413	5.8	Kratz Farms LLC	Kratz 15188	6.1
AgriMAXX	AgriMAXX 415	6.5	Kratz Farms LLC	Kratz 15241	4.0
AgriMAXX	AgriMAXX 438	7.4	Kratz Farms LLC	Kratz 15314	5.7
AgriMAXX	AgriMAXX 444	5.3	Kratz Farms LLC	Kratz 15421	5.1
AgriMAXX	AgriMAXX 446	7.9	Lewis Hybrids	Lewis 828	4.9
AgriMAXX	AgriMAXX 452	4.2	Lewis Hybrids	Lewis 839	6.6
AgriMAXX	AgriMAXX 454	4.7	Lewis Hybrids	Lewis 851	2.9
AgriMAXX	AgriMAXX 463	2.7	Limagrain Cereal Seeds	LCS L 11541	3.2
AgriMAXX	AgriMAXX 464	3.0	Limagrain Cereal Seeds	LCS L 11528	4.4
AgriMAXX	AgriMAXX 490	5.4	Martin Seeds, Inc.	Amp16	2.8
AgriMAXX	AgriMAXX Exp. 1670	3.3	Martin Seeds, Inc.	M16	4.1
Beck's Hybrids	Beck 120	8.1	Monier Seed	MW844	3.4
Beck's Hybrids	Beck 123	5.0	Monier Seed	MW857	5.1
Beck's Hybrids	Beck 125	4.9	Pro Harvest	Pro Harvest 282	1.8
Beck's Hybrids	Beck 128	3.8	Pro Harvest	Pro Harvest 291	4.5
BioTown Seeds	D491W	3.3	Pro Harvest	Pro Harvest 295	7.2
BioTown Seeds	D496W	2.9	Pro Harvest	Pro Harvest 303	4.0
BioTown Seeds	DXW1502	5.4	Pro Harvest	Pro Harvest X9001	3.8
BioTown Seeds	DXW1601	3.9	Pro Seed Genetics	PRO 200	3.7
DuPont Pioneer	Pioneer 25R25	4.3	Pro Seed Genetics	PRO 240	6.4
DuPont Pioneer	Pioneer 25R40	6.9	Pro Seed Genetics	PRO 260	7.1
DuPont Pioneer	Pioneer 25R46	3.8	Pro Seed Genetics	PRO 320A	4.6
DuPont Pioneer	Pioneer 25R50	3.8	Pro Seed Genetics	PRO 410	6.6
DuPont Pioneer	Pioneer 25R77	6.5	Pro Seed Genetics	PRO 420	7.5
Dyna-Gro	Dyna-Gro 9223	7.0	Sedlacek	SEDS BLEND	6.9
Dyna-Gro	Dyna-Gro 9441	5.8	Stone	Stone 21W04	7.3
Dyna-Gro	Dyna-Gro 9522	6.3	Stone	Stone 21W15	6.9
Dyna-Gro	Dyna-Gro 9552	5.8	Stone	Stone 31W04	7.6
Dyna-Gro	Dyna-Gro 9591	4.5	Stone	Stone 41W04	3.2
Dyna-Gro	Dyna-Gro 9692	4.3	Sunstar Hybrids	S-1200	5.5
Dyna-Gro	Dyna-Gro 9772	3.0	Sunstar Hybrids	S-2000	7.6
Dyna-Gro	Dyna-Gro WX16771	2.7	Sunstar Hybrids	S-2500	5.0
Equity Seed	Butler	5.2	Syngenta	SY 007	7.0
Equity Seed	Defender	5.4	Syngenta	SY 100	6.1
GROWMARK	FS 602	7.4	Syngenta	SY 483	5.3
GROWMARK	FS 604	3.7	Syngenta	SY 547	5.2
GROWMARK	FS 615	n/a	USG	USG 3197	3.2
GROWMARK	FS 619	2.9	USG	USG 3316	5.3
GROWMARK	FS 622	6.4	USG	USG 3895	8.6
GROWMARK	FS 624	5.2	USG	USG3404	5.6
GROWMARK	FS 625	5.1	Virginia Crop Impr. Assoc.	Hilliard	5.0
Hoffman Seed House	H7W15	4.0	Virginia Crop Impr. Assoc.	VA11W-106	5.7
Hoffman Seed House	H7W25	3.6	Virginia Crop Impr. Assoc.	VA12W-72	6.0
Hoffman Seed House	L 247	3.7	Susceptable Check	Pio 25R47	7.2
Hoffman Seed House	L 304	4.0	Moderate Res. Check	Kaskaskia	4.1
Hoffman Seed House	L-Brand 168	2.8	Resistant check	IL07-4415	2.2
Hoffman Seed House	L-Brand 182	3.9	Test Average		5.0
Kratz Farms LLC	Kratz 15144	4.7	LSD (0.05)		2.6

Lower numbers = greater resistance

*The test nursery was inoculated and mist irrigated. Three replications were evaluated.

Scab resistance rating is an index calculated from incidence, severity and kernel quality. Ratings are standardized to a 5.0 mean.