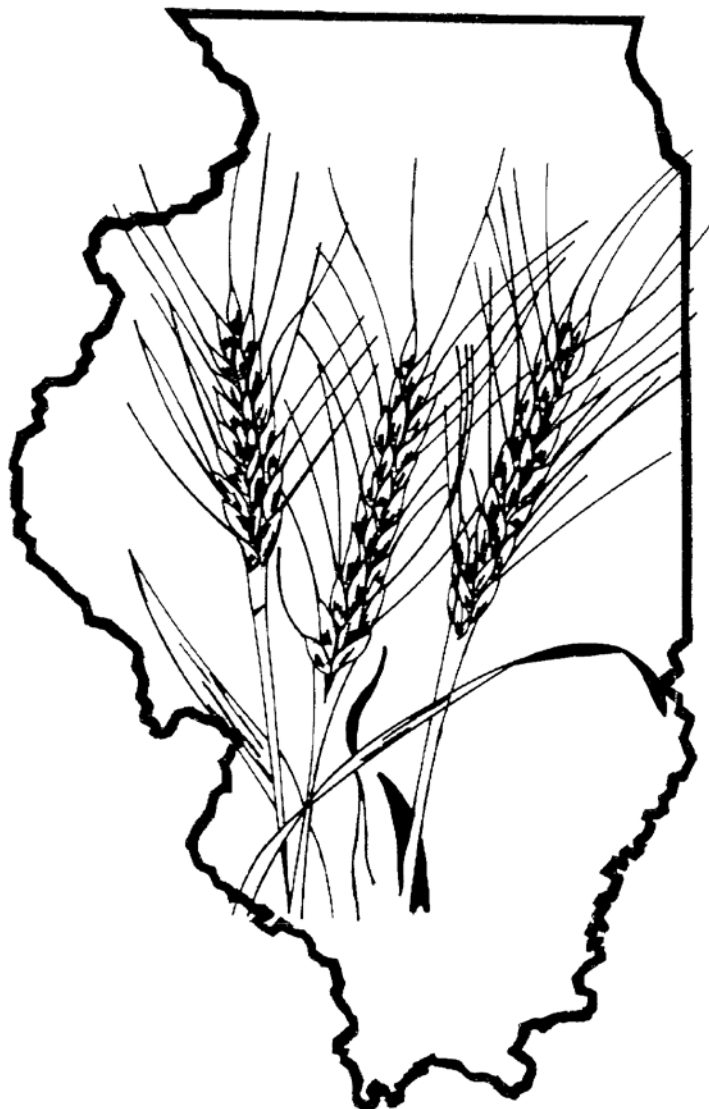


# **WHEAT PERFORMANCE IN ILLINOIS TRIALS – 2014**



**Crop Sciences Special Report 2014-01  
Department of Crop Sciences  
University of Illinois  
July 2014**

**WHEAT PERFORMANCE IN ILLINOIS TRIALS - 2014**  
**Crop Sciences Special Report 2014-01, July 2014**

**Emerson D. Nafziger, Darin K. Joos, and Brian R. Henry**  
**Department of Crop Sciences, University of Illinois, Urbana**

The 2013-14 wheat season was a fairly good one in Illinois, with good yields but with grain quality issues due to wet weather in the spring. Acres planted for grain dropped from 875,000 in fall 2012 to 750,000 in 2013. The 2014 yield is currently estimated at 67 bushels per acre, the same as the 2013 yield. This yield is the second-highest we have produced in Illinois.

The late summer in 2013 was dry, but corn and soybean yields were good and harvest was at the normal time. Wheat was planted on time to somewhat later than normal due to October rainfall. Stands were generally good, but fall growth was limited to some extent due to cool weather starting in October. The winter of 2013-14 was cold with above-average snowfall in most areas. There was no general mid-winter thaw, but rainfall in mid-February was heavy in some areas, and was followed by low temperatures again. Damage from cold and standing water was extensive in northern Illinois, and this led to abandonment of a number of fields; of the 750,000 acres planted, only 690,000 were harvested for grain. March was cool and dry, which delayed greenup, and the crop remained behind in its development throughout the spring. Wet weather in May and June resulted in substantial infections of Fusarium head blight in most areas of Illinois. Harvest was delayed by late crop development and by wet weather.

The 2014 wheat variety trials were planted on time, under good soil conditions. Most locations were affected by disease and delayed harvest, but even with low test weights, yields were very good at most locations. The trial at DeKalb was mostly killed out by cold weather, and this trial was not harvested for yield.

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 17 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 name.

<u>Location</u>	<u>Cooperators</u>	<u>Soil type</u>	<u>Planted</u>	<u>N fertilizer</u>	<u>Harvest</u>
Dixon Springs	John Pike	Grantsburg silt loam	Oct. 14	30 Fall 90 Spring	June 23
Belleville	Ron Krausz	Ebbert silt loam	Oct. 14	30 Fall 85 Spring	June 26
Brownstown	Lindell Deal	Cisne silt loam	Oct. 10	30 Fall 120 Spring	June 23
Orr Center	Mike Vose	Clarksdale silt loam	Sept. 30	30 Fall 80 Spring	July 3
Urbana	Bob Dunker Jeff Warren	Flanagan silt loam	Sept. 25	40 Fall 40 Spring	July 7
DeKalb	Greg Steckel Dave Lindgren	Elpaso silty clay loam	Sept. 27	30 Fall 40 Spring	Did not harvest

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 2014.

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

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

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

Baird Seed Farms  
1122 Knox Hwy 18  
Williamsfield, IL 61489  
(309) 639-4224

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

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

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

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

Steyer Seeds  
6154 N Co Rd 33  
Tiffin, OH 44883  
(800) 231-4274

BioTown Seeds  
Box 299  
Reynolds, IN 47980  
(219) 984-5247

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

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

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

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

Syngenta  
2426 Webster Rd  
Monroeville, IN 46773  
(765) 412-5420

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

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

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

Dyna-Gro Seed  
6221 Riverside Drive, Suite 1  
Dublin, OH 43017  
(614) 761-4110, ext 3

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

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

Equity Seed  
PO Box 978  
Westfield, IN 46074  
(317) 867-2238

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

Green Valley Seed, LLC  
P O Box 35  
Kahoka, MO 63445  
(660) 727-3341

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

Table 1. Southern Illinois regional wheat variety trial results, 2014

Company	Variety	ST <sup>1</sup>	Regional Average				Dixon Springs		Belleville		Brownstown	
			Yield	Yield Rank	Test wt.	Height	Yield	Test wt.	Yield	Test wt.	Yield	Test wt.
			bu/ac	1 to 63	lb/bu	in.	bu/ac	lb/bu	bu/ac	lb/bu	bu/ac	lb/bu
AgriMAXX	412	C	76.6	58	55.6	34	61.2	52.5	89.2	55.3	79.3	59.0
AgriMAXX	413	C	86.3	10	52.1	33	64.3	50.8	105.5	52.1	89.1	53.3
AgriMAXX	415	C	83.8	22	55.5	34	63.9	53.3	99.2	55.3	88.3	57.8
AgriMAXX	438	C	85.1	16	51.2	37	61.4	48.0	101.2	53.3	92.7	52.3
AgriMAXX	447	C	85.6	14	52.0	36	62.9	49.9	98.4	53.1	95.5	53.1
AgriMAXX	444	C	86.9	6	52.8	35	65.0	50.8	108.4	53.5	87.2	54.1
AgriMAXX	Exp 1465	C	84.6	18	53.0	34	61.1	50.1	106.2	53.9	86.4	55.1
Beck's Hybrids	Beck 113	S	81.2	34	53.5	34	56.3	50.5	94.7	52.9	92.6	57.0
Beck's Hybrids	Beck 120	S	84.9	17	51.9	33	65.0	49.8	100.8	51.9	89.0	54.1
Beck's Hybrids	Beck 125	S	83.4	24	54.3	35	56.9	51.3	103.7	53.9	89.7	57.6
Beck's Hybrids	Beck 129	S	82.6	29	51.0	36	54.9	47.8	106.6	52.8	86.3	52.5
BioTown Seeds	Diener 492W	C	86.8	7	52.9	33	69.4	52.3	103.8	52.4	87.2	53.9
BioTown Seeds	Diener XW 1403	C	78.5	50	55.5	35	50.9	52.4	96.8	55.1	87.8	59.0
DuPont Pioneer	Pioneer 25R40	G	82.0	31	52.3	32	58.0	48.8	101.7	53.0	86.4	54.9
DuPont Pioneer	Pioneer 25R46	G	95.7	1	56.0	34	74.8	53.6	108.0	55.0	104.2	59.3
DuPont Pioneer	Pioneer 25R77	G	80.0	39	54.5	33	56.5	52.7	95.8	54.1	87.8	56.8
Dyna-Gro	9171	G	86.2	11	52.2	33	67.6	50.8	104.8	52.4	86.2	53.4
Dyna-Gro	9223	G	83.2	25	50.8	37	61.4	47.0	100.1	53.4	88.1	52.2
Dyna-Gro	9343	G	78.6	47	53.9	35	53.9	51.7	95.4	54.7	86.5	55.3
Dyna-Gro	9373	G	83.5	23	52.0	34	63.9	50.2	97.8	53.4	88.7	52.5
Dyna-Gro	9441	G	80.0	38	56.2	35	58.5	53.7	95.1	55.6	86.4	59.2
Dyna-Gro	WX13622	C	86.6	9	52.2	35	63.5	49.5	106.1	53.4	90.3	53.8
Dyna-Gro	WX13631	C	82.4	30	55.4	35	61.5	52.3	98.3	55.1	87.5	58.8
Equity Seed	Butler	G	83.0	26	51.9	34	58.5	49.3	99.1	53.0	91.4	53.4
Equity Seed	Guardian	G	81.8	32	53.5	37	56.8	52.2	101.2	55.1	87.5	53.2
GROWMARK	FS 602	C	85.4	15	52.0	33	63.9	50.4	105.9	52.3	86.4	53.4
GROWMARK	FS 605	C	78.2	53	55.3	35	52.1	51.5	97.5	55.5	85.0	59.0
GROWMARK	FS 622	C	82.7	28	56.0	34	63.9	54.3	97.6	55.2	86.6	58.4
GROWMARK	FS 625	C	76.6	56	50.1	35	60.7	46.4	92.7	52.7	76.5	51.3
GROWMARK	FS 626	C	88.7	3	53.3	34	63.9	50.5	104.2	53.1	98.0	56.4
GROWMARK	WX14A	C	86.1	12	52.7	36	63.2	49.3	106.9	54.1	88.1	54.7
Hartke Seed	L-Brand 203	C	78.6	48	55.7	34	56.9	54.1	89.8	55.0	89.1	58.2
Hoffman Seed House	L-Brand 168	C	79.3	42	54.8	35	55.2	53.4	91.3	53.1	91.5	57.9
Hoffman Seed House	L-Brand 182	C	77.2	55	56.0	35	53.4	53.0	93.6	56.0	84.6	59.0
Hoffman Seed House	L-Brand 400	C	79.2	43	54.7	34	55.2	52.2	92.3	53.4	90.1	58.5
Kitchen Seed Company	KSC 409W	F	75.2	59	56.9	35	52.4	54.9	92.0	56.7	81.3	59.2
Kitchen Seed Company	KSC 411W	C	85.9	13	51.9	33	63.5	50.3	104.4	51.8	89.9	53.5
Lewis Hybrids	Lewis 829	F	80.4	35	53.2	37	53.5	50.2	93.4	52.8	94.4	56.6
Lewis Hybrids	Lewis 839	C	81.4	33	51.9	35	56.5	49.7	97.0	53.1	90.8	52.9
Lewis Hybrids	Lewis 851	C	79.0	44	53.3	36	54.9	51.3	97.2	53.7	84.8	54.9
Merschman	Barbie 10	C	86.7	8	51.2	35	66.3	48.8	105.1	51.4	88.8	53.3
Merschman	Genie 12	C	74.5	61	56.5	35	44.6	53.9	91.6	56.2	87.4	59.4
Merschman	Julie 8	F	78.3	52	54.9	35	52.9	53.5	91.1	52.8	90.7	58.4
Miller Bros Farm and Fert.	L-Brand 228	C	74.5	62	56.9	34	47.6	54.8	87.3	55.9	88.5	59.9
Miller Bros Farm and Fert.	L-Brand 339	G	74.7	60	55.0	33	51.2	50.6	90.6	55.0	82.2	59.4
Miller Bros Farm and Fert.	LCS L171	C	77.2	54	57.1	36	55.2	55.0	94.3	56.1	82.3	60.3
Pro Harvest	303	C	78.5	51	55.8	36	55.9	52.6	92.4	55.0	87.1	59.7
Pro Harvest	311	C	78.7	45	50.1	35	57.6	46.1	96.0	52.2	82.5	51.9
Pro Harvest	XP1102	C	78.7	46	52.9	31	53.0	50.1	97.6	52.1	85.5	56.6
Pro Harvest	XP4113	C	79.9	40	54.3	36	62.3	52.2	92.6	53.6	84.9	56.9
Steyer Seeds	Dowell	F	80.0	36	50.2	35	59.3	45.9	96.7	52.5	84.1	52.2
Steyer Seeds	Hunker	F	84.4	20	51.2	36	64.4	48.3	101.1	53.4	87.6	52.1
Steyer Seeds	Pierson	F	82.8	27	54.6	36	62.7	52.6	100.0	54.8	85.6	56.5
Sunstar Hybrids	S-1200	C	88.0	4	52.3	34	66.4	50.5	110.8	52.6	86.9	53.8
Sunstar Hybrids	S-2000	C	78.5	49	53.2	33	56.6	50.3	103.2	53.4	75.8	56.0
Syngenta	SY 007	C	70.3	63	52.3	33	45.3	49.5	90.7	52.5	74.9	54.9
Syngenta	SY 474	C	76.6	58	53.4	37	52.0	50.3	91.2	54.2	86.4	55.7
Syngenta	SY 483	C	79.8	41	51.1	35	54.5	48.8	103.1	52.9	81.7	51.5
UniSouth Genetics, Inc.	USG 3013	C	84.5	19	51.4	37	61.4	48.0	104.4	53.8	87.6	52.4
UniSouth Genetics, Inc.	USG 3251	C	83.8	21	52.5	36	63.3	50.4	102.4	53.7	85.9	53.5
UniSouth Genetics, Inc.	USG 3404	C	90.0	2	52.6	35	65.9	49.8	111.2	53.6	92.8	54.6
UniSouth Genetics, Inc.	USG 3438	C	87.9	5	52.3	34	68.4	51.5	106.5	51.9	88.9	53.6
Virginia Crop Impr. Assoc.	VA10W-21	F	80.0	37	54.0	34	59.2	49.7	94.2	54.3	86.7	57.9
	Trial Mean		81.5		53.6	35	59.1	51.1	98.2	53.8	87.1	55.9
	LSD, 10%		5.5		1.6	1	6.3	1.4	4.6	0.5	5.7	1.1
	CV, %		8.6		3.9	4	7.8	2.1	3.5	0.7	4.8	1.4

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M= Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

Table 2. Northern Illinois regional wheat variety trial results, 2014

Company	Variety	ST <sup>1</sup>	Regional Average				Perry		Urbana	
			Yield bu/ac	Yield Rank 1 to 60	Test wt. lb/bu	Height in.	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu
AgriMAXX	413	C	97.0	7	51.9	32	95.5	53.5	98.5	50.3
AgriMAXX	427	C	90.9	31	52.9	35	85.8	55.5	96.0	50.4
AgriMAXX	438	C	93.3	19	52.8	35	93.1	55.7	93.5	49.9
AgriMAXX	444	C	101.0	1	53.8	32	99.1	55.6	102.9	52.0
AgriMAXX	447	C	92.0	25	53.6	37	86.8	56.4	97.1	50.8
AgriMAXX	Exp 1465	C	99.6	3	54.3	33	98.7	55.8	100.5	52.9
Baird Seed Farms	L-Brand 228	C	87.8	45	56.2	35	83.2	57.3	92.4	55.1
Beck's Hybrids	Beck 113	S	91.1	30	54.6	32	87.7	56.8	94.5	52.4
Beck's Hybrids	Beck 120	S	94.9	14	52.5	33	89.3	53.6	100.4	51.3
Beck's Hybrids	Beck 125	S	100.4	2	54.4	35	95.7	55.3	105.2	53.6
Beck's Hybrids	Beck 129	S	92.4	23	53.0	36	91.5	55.4	93.2	50.7
BioTown Seeds	Diener 492W	C	95.0	12	51.9	32	92.5	53.3	97.4	50.6
BioTown Seeds	Diener 512W	C	89.8	39	52.2	35	88.3	54.4	91.3	49.9
BioTown Seeds	Diener XW 1403	C	89.9	38	55.2	35	84.3	57.2	95.4	53.2
DeRaedt Seed	DeRaedt 10	C	95.4	11	51.9	33	97.3	54.2	93.4	49.5
DeRaedt Seed	DeRaedt 11	C	96.0	9	52.3	32	87.4	53.5	104.6	51.2
DuPont Pioneer	Pioneer 25R34	G	90.9	32	53.5	33	88.5	55.0	93.2	52.0
DuPont Pioneer	Pioneer 25R40	G	94.7	15	53.9	32	94.5	55.4	94.9	52.4
DuPont Pioneer	Pioneer 25R77	G	83.8	55	53.8	32	84.2	56.6	83.3	51.0
Dyna-Gro	9171	G	94.4	16	52.2	33	88.8	53.2	100.1	51.2
Dyna-Gro	9223	G	90.2	36	53.3	36	86.5	56.6	93.8	50.1
Dyna-Gro	9441	G	86.0	50	55.1	35	84.3	56.7	87.7	53.4
Dyna-Gro	WX13622	C	98.8	6	53.8	34	98.5	55.8	99.2	51.9
Equity Seed	Butler	G	91.6	27	52.4	35	94.6	56.1	88.5	48.8
Equity Seed	Guardian	G	91.4	28	53.9	35	88.6	57.3	94.1	50.5
Green Valley Seed	GV 653	G	89.1	41	52.4	35	93.6	56.5	84.6	48.3
Green Valley Seed	GV 662	G	87.7	46	54.4	32	86.8	55.5	88.7	53.3
GROWMARK	FS 602	C	99.1	5	52.4	32	95.5	53.9	102.8	50.9
GROWMARK	FS 605	C	90.8	33	55.4	35	83.2	57.4	98.4	53.4
GROWMARK	FS 622	C	89.5	40	55.6	32	87.1	57.1	92.0	54.0
GROWMARK	FS 625	C	90.2	35	53.3	35	85.5	55.2	94.8	51.5
GROWMARK	FS 626	C	91.6	26	54.1	32	90.3	56.0	92.9	52.2
GROWMARK	WX14A	C	93.4	18	54.7	34	94.1	57.1	92.6	52.3
Hartke Seed	L-Brand 203	C	84.3	53	54.4	34	83.2	56.1	85.5	52.6
Kitchen Seed Company	KSC 409W	F	82.5	58	55.5	36	74.0	57.2	91.0	53.8
Kitchen Seed Company	KSC 411W	C	92.8	21	52.4	34	87.3	54.2	98.4	50.5
Kratz Farms	KF 15188	C	83.8	54	53.4	37	80.6	56.1	87.1	50.7
Kratz Farms	KF 15241	C	90.6	34	54.9	35	84.5	56.5	96.8	53.2
Kratz Farms	KF 15314	C	83.7	56	53.6	37	82.9	55.6	84.6	51.7
Lewis Hybrids	Lewis 839	C	92.5	22	53.1	35	89.3	55.7	95.8	50.4
Lewis Hybrids	Lewis 851	C	92.3	24	53.8	34	86.9	56.8	97.6	50.7
Martin Seeds, Inc.	M13W	C	91.2	29	51.0	32	93.5	53.6	88.9	48.4
Martin Seeds, Inc.	Skysail	C	89.0	42	55.7	36	87.0	57.8	91.0	53.7
Merschman	Barbie 10	C	94.9	13	52.5	32	96.8	54.4	93.1	50.6
Merschman	Genie 12	C	87.5	47	58.2	34	81.8	60.8	93.2	55.6
Merschman	Julie 8	F	85.5	51	52.4	34	76.5	53.8	94.4	51.0
Pro Harvest	303	C	93.0	20	54.9	35	88.5	56.4	97.4	53.4
Pro Harvest	311	C	88.5	43	52.9	35	83.4	54.6	93.7	51.1
Pro Harvest	XP0701	C	95.8	10	52.3	32	94.3	53.5	97.3	51.1
Pro Harvest	XP1102	C	80.7	59	53.4	30	79.6	55.7	81.8	51.2
Pro Harvest	XP4113	C	88.1	44	53.8	36	84.2	55.4	92.0	52.3
Pro Harvest	XP4333	C	83.1	57	55.6	34	79.5	58.1	86.6	53.2
Pro Seed Genetics	PRO 240	M	86.4	48	53.5	38	83.3	55.0	89.5	52.1
Pro Seed Genetics	PRO 260	M	90.0	37	52.4	32	81.6	54.5	98.3	50.2
Pro Seed Genetics	PRO 320A	M	78.4	60	52.5	35	77.6	55.6	79.3	49.5
Sunstar Hybrids	S-1200	C	99.5	4	52.1	32	93.6	53.0	105.3	51.2
Sunstar Hybrids	S-2000	C	96.4	8	53.5	33	96.5	55.0	96.2	51.9
Syngenta	SY 474	C	86.4	49	55.0	37	78.1	57.4	94.6	52.6
Syngenta	SY 483	C	93.5	17	54.1	34	94.1	56.9	92.9	51.4
Syngenta	W1104	C	85.3	52	52.4	33	85.7	55.3	84.8	49.5
	Trial Mean		90.6		53.7	34	87.6	55.8	93.6	51.7
	LSD, 10%		7.5		1.8	1	6.6	1.7	6.5	1.3
	CV, %		8.6		3.5	4	5.6	2.2	5.2	1.9

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M= Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide  
 Due to the severity of freeze damage the DeKalb location not harvested.

**Table 3. Results of the 2014 wheat variety trial at Dixon Springs, in far southeastern Illinois.**

<u>Company</u>	<u>Variety</u>	<u>ST</u> <sup>1</sup>	<u>Yield</u> bu/ac	<u>Yield</u>	<u>Test wt.</u> lb/bu	<u>Height</u> in.	<u>2-yr avg</u>	<u>3-yr avg</u>
				<u>Rank</u> 1 to 63			<u>2013-14</u> bu/ac	<u>2012-14</u> bu/ac
AgriMAXX	412	C	61.2	28	52.5	34.0	70.1	67.9
AgriMAXX	413	C	64.3	11	50.8	31.0	73.2	72.3
AgriMAXX	415	C	63.9	14	53.3	33.0	66.0	65.5
AgriMAXX	438	C	61.4	26	48.0	35.0		
AgriMAXX	444	C	65.0	8	50.8	33.0		
AgriMAXX	447	C	62.9	21	49.9	35.0	68.1	
AgriMAXX	Exp 1465	C	61.1	29	50.1	32.0		
Beck's Hybrids	Beck 113	S	56.3	43	50.5	32.0	65.6	66.6
Beck's Hybrids	Beck 120	S	65.0	9	49.8	30.0	71.2	72.9
Beck's Hybrids	Beck 125	S	56.9	37	51.3	33.0		
Beck's Hybrids	Beck 129	S	54.9	49	47.8	35.0	67.5	
BioTown Seeds	Diener 492W	C	69.4	2	52.3	32.0	74.8	72.2
BioTown Seeds	Diener XW 1403	C	50.9	60	52.4	33.0		
DuPont Pioneer	Pioneer 25R40	G	58.0	35	48.8	30.0	65.2	68.7
DuPont Pioneer	Pioneer 25R46	G	74.8	1	53.6	33.0	74.9	
DuPont Pioneer	Pioneer 25R77	G	56.5	42	52.7	31.0	69.5	
Dyna-Gro	9171	G	67.6	4	50.8	31.0	74.6	71.9
Dyna-Gro	9223	G	61.4	27	47.0	36.0	70.6	71.0
Dyna-Gro	9343	G	53.9	51	51.7	33.0		
Dyna-Gro	9373	G	63.9	12	50.2	33.0	70.8	
Dyna-Gro	9441	G	58.5	34	53.7	34.0		
Dyna-Gro	WX13622	C	63.5	17	49.5	34.0		
Dyna-Gro	WX13631	C	61.5	24	52.3	33.0		
Equity Seed	Butler	G	58.5	33	49.3	32.0		
Equity Seed	Guardian	G	56.8	39	52.2	35.0	61.7	
GROWMARK	FS 602	C	63.9	13	50.4	31.0	72.0	70.9
GROWMARK	FS 605	C	52.1	57	51.5	31.0	62.9	63.2
GROWMARK	FS 622	C	63.9	16	54.3	32.0	66.6	66.6
GROWMARK	FS 625	C	60.7	30	46.4	34.0	68.7	67.4
GROWMARK	FS 626	C	63.9	14	50.5	34.0	68.0	
GROWMARK	WX14A	C	63.2	20	49.3	34.0		
Hartke Seed	L-Brand 203	C	56.9	38	54.1	32.0		
Hoffman Seed House	L-Brand 168	C	55.2	46	53.4	33.0		
Hoffman Seed House	L-Brand 182	C	53.4	53	53.0	32.0		
Hoffman Seed House	L-Brand 400	C	55.2	45	52.2	32.0		
Kitchen Seed Company	KSC 409W	F	52.4	56	54.9	33.0	59.2	61.3
Kitchen Seed Company	KSC 411W	C	63.5	17	50.3	30.0	71.2	
Lewis Hybrids	Lewis 829	F	53.5	52	50.2	35.0	61.1	60.6
Lewis Hybrids	Lewis 839	C	56.5	41	49.7	34.0	67.7	
Lewis Hybrids	Lewis 851	C	54.9	48	51.3	34.0	67.9	
Merschman	Barbie 10	C	66.3	6	48.8	34.0		
Merschman	Genie 12	C	44.6	63	53.9	33.0		
Merschman	Julie 8	F	52.9	55	53.5	32.0		
Miller Bros Farm and Fert.	L-Brand 228	C	47.6	61	54.8	32.0		
Miller Bros Farm and Fert.	L-Brand 339	G	51.2	59	50.6	32.0		
Miller Bros Farm and Fert.	LCS L171	C	55.2	47	55.0	33.0	65.7	
Pro Harvest	303	C	55.9	44	52.6	35.0		
Pro Harvest	311	C	57.6	36	46.1	33.0	66.9	66.8
Pro Harvest	XP1102	C	53.0	54	50.1	29.0		
Pro Harvest	XP4113	C	62.3	23	52.2	33.0		
Steyer Seeds	Dowell	F	59.3	31	45.9	34.0	70.2	
Steyer Seeds	Hunker	F	64.4	10	48.3	35.0	69.6	65.8
Steyer Seeds	Pierson	F	62.7	22	52.6	34.0		
Sunstar Hybrids	S-1200	C	66.4	5	50.5	32.0	73.9	69.6
Sunstar Hybrids	S-2000	C	56.6	40	50.3	30.0		
Syngenta	SY 007	C	45.3	62	49.5	30.0		
Syngenta	SY 474	C	52.0	58	50.3	36.0	62.3	
Syngenta	SY 483	C	54.5	50	48.8	33.0	60.3	
UniSouth Genetics, Inc.	USG 3013	C	61.4	25	48.0	34.0		
UniSouth Genetics, Inc.	USG 3251	C	63.3	19	50.4	34.0	73.2	
UniSouth Genetics, Inc.	USG 3404	C	65.9	7	49.8	33.0	73.7	
UniSouth Genetics, Inc.	USG 3438	C	68.4	3	51.5	31.0		
Virginia Crop Impr. Assoc.	VA10W-21	F	59.2	32	49.7	32.0		
	Trial Mean		59.1		51.1	33	68.4	67.8
	LSD, 10%		6.3		1.4	2		
	CV, %		7.8		2.1	5		

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M=Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

**Table 4. Results of the 2014 wheat variety trial at Belleville, in southwestern Illinois.**

<u>Company</u>	<u>Variety</u>	<u>ST</u> <sup>1</sup>	<u>Yield</u>				<u>2-yr avg</u>	<u>3-yr avg</u>
			<u>Yield</u> bu/ac	<u>Rank</u> 1 to 63	<u>Test wt.</u> lb/bu	<u>Height</u> in.	<u>2013-14</u> bu/ac	<u>2012-14</u> bu/ac
AgriMAXX	412	C	89.2	62	55.3	34	86.8	84.4
AgriMAXX	413	C	105.5	11	52.1	34	97.0	92.4
AgriMAXX	415	C	99.2	29	55.3	34	96.2	91.5
AgriMAXX	438	C	101.2	24	53.3	38		
AgriMAXX	444	C	108.4	3	53.5	35		
AgriMAXX	447	C	98.4	31	53.1	37	92.2	
AgriMAXX	Exp 1465	C	106.2	8	53.9	35		
Beck's Hybrids	Beck 113	S	94.7	45	52.9	34	88.7	85.8
Beck's Hybrids	Beck 120	S	100.8	26	51.9	35	95.5	91.6
Beck's Hybrids	Beck 125	S	103.7	18	53.9	35		
Beck's Hybrids	Beck 129	S	106.6	6	52.8	37	96.5	
BioTown Seeds	Diener 492W	C	103.8	17	52.4	33	98.5	92.7
BioTown Seeds	Diener XW 1403	C	96.8	39	55.1	37		
DuPont Pioneer	Pioneer 25R40	G	101.7	22	53.0	33	91.0	88.7
DuPont Pioneer	Pioneer 25R46	G	108.0	4	55.0	34	92.5	
DuPont Pioneer	Pioneer 25R77	G	95.8	42	54.1	33	92.0	
Dyna-Gro	9171	G	104.8	13	52.4	35	94.5	91.1
Dyna-Gro	9223	G	100.1	27	53.4	38	93.8	90.7
Dyna-Gro	9343	G	95.4	43	54.7	35		
Dyna-Gro	9373	G	97.8	33	53.4	35	92.5	
Dyna-Gro	9441	G	95.1	44	55.6	36		
Dyna-Gro	WX13622	C	106.1	9	53.4	35		
Dyna-Gro	WX13631	C	98.3	32	55.1	36		
Equity Seed	Butler	G	99.1	30	53.0	36		
Equity Seed	Guardian	G	101.2	23	55.1	38	91.4	
GROWMARK	FS 602	C	105.9	10	52.3	34	97.8	91.8
GROWMARK	FS 605	C	97.5	36	55.5	36	92.7	87.8
GROWMARK	FS 622	C	97.6	34	55.2	35	91.1	86.0
GROWMARK	FS 625	C	92.7	50	52.7	35	89.8	85.5
GROWMARK	FS 626	C	104.2	16	53.1	34	92.6	
GROWMARK	WX14A	C	106.9	5	54.1	37		
Hartke Seed	L-Brand 203	C	89.8	61	55.0	35		
Hoffman Seed House	L-Brand 168	C	91.3	56	53.1	36		
Hoffman Seed House	L-Brand 182	C	93.6	48	56.0	36		
Hoffman Seed House	L-Brand 400	C	92.3	53	53.4	36		
Kitchen Seed Company	KSC 409W	F	92.0	54	56.7	36	84.8	82.9
Kitchen Seed Company	KSC 411W	C	104.4	15	51.8	34	95.0	
Lewis Hybrids	Lewis 829	F	93.4	49	52.8	39	88.6	85.1
Lewis Hybrids	Lewis 839	C	97.0	38	53.1	35	92.2	
Lewis Hybrids	Lewis 851	C	97.2	37	53.7	37	88.8	
Merschman	Barbie 10	C	105.1	12	51.4	35		
Merschman	Genie 12	C	91.6	55	56.2	36		
Merschman	Julie 8	F	91.1	58	52.8	36		
Miller Bros Farm and Fert.	L-Brand 228	C	87.3	63	55.9	36		
Miller Bros Farm and Fert.	L-Brand 339	G	90.6	60	55.0	34		
Miller Bros Farm and Fert.	LCS L171	C	94.3	46	56.1	37	88.8	
Pro Harvest	303	C	92.4	52	55.0	36		
Pro Harvest	311	C	96.0	41	52.2	36	88.8	88.7
Pro Harvest	XP1102	C	97.6	34	52.1	31		
Pro Harvest	XP4113	C	92.6	51	53.6	38		
Steyer Seeds	Dowell	F	96.7	40	52.5	36	93.0	
Steyer Seeds	Hunker	F	101.1	25	53.4	37	96.0	91.3
Steyer Seeds	Pierson	F	100.0	28	54.8	38		
Sunstar Hybrids	S-1200	C	110.8	2	52.6	34	101.1	95.5
Sunstar Hybrids	S-2000	C	103.2	19	53.4	35		
Syngenta	SY 007	C	90.7	59	52.5	34		
Syngenta	SY 474	C	91.2	57	54.2	38	90.0	
Syngenta	SY 483	C	103.1	20	52.9	36	85.1	
UniSouth Genetics, Inc.	USG 3013	C	104.4	14	53.8	39		
UniSouth Genetics, Inc.	USG 3251	C	102.4	21	53.7	37	97.5	
UniSouth Genetics, Inc.	USG 3404	C	111.2	1	53.6	36		
UniSouth Genetics, Inc.	USG 3438	C	106.5	7	51.9	35	96.1	
Virginia Crop Impr. Assoc.	VA10W-21	F	94.2	47	54.3	35		
	Trial Mean		98.2		53.8	36	92.6	89.1
	LSD, 10%		4.6		0.5	1		
	CV, %		3.5		0.7	3		

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M=Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

**Table 5. Results of the 2014 wheat variety trial at Brownstown, in south central Illinois.**

<u>Company</u>	<u>Variety</u>	<u>ST</u> <sup>1</sup>	<u>Yield</u>			<u>Test wt.</u> lb/bu	<u>Height</u> in.	<u>2-yr avg</u>	<u>3-yr avg</u>
			<u>Yield</u> bu/ac	<u>Rank</u> 1 to 63				<u>2013-14</u> bu/ac	<u>2012-14</u> bu/ac
AgriMAXX	412	C	79.3	60	59.0	34	71.1	77.9	
AgriMAXX	413	C	89.1	16	53.3	34	79.5	86.9	
AgriMAXX	415	C	88.3	23	57.8	35	76.7	78.2	
AgriMAXX	438	C	92.7	6	52.3	37			
AgriMAXX	444	C	87.2	34	54.1	36			
AgriMAXX	447	C	95.5	3	53.1	35	80.1		
AgriMAXX	Exp 1465	C	86.4	42	55.1	35			
Beck's Hybrids	Beck 113	S	92.6	7	57.0	35	79.4	87.6	
Beck's Hybrids	Beck 120	S	89.0	18	54.1	34	80.2	86.3	
Beck's Hybrids	Beck 125	S	89.7	15	57.6	36			
Beck's Hybrids	Beck 129	S	86.3	45	52.5	36	79.3		
BioTown Seeds	Diener 492W	C	87.2	33	53.9	35	81.5	86.1	
BioTown Seeds	Diener XW 1403	C	87.8	26	59.0	36			
DuPont Pioneer	Pioneer 25R40	G	86.4	40	54.9	33	76.1	81.7	
DuPont Pioneer	Pioneer 25R46	G	104.2	1	59.3	35	88.9		
DuPont Pioneer	Pioneer 25R77	G	87.8	27	56.8	35	80.6		
Dyna-Gro	9171	G	86.2	46	53.4	34	78.8	86.5	
Dyna-Gro	9223	G	88.1	25	52.2	37	77.4	85.4	
Dyna-Gro	9343	G	86.5	39	55.3	36			
Dyna-Gro	9373	G	88.7	21	52.5	34	76.5		
Dyna-Gro	9441	G	86.4	42	59.2	36			
Dyna-Gro	WX13622	C	90.3	12	53.8	36			
Dyna-Gro	WX13631	C	87.5	31	58.8	35			
Equity Seed	Butler	G	91.4	9	53.4	35			
Equity Seed	Guardian	G	87.5	30	53.2	37	77.1		
GROWMARK	FS 602	C	86.4	44	53.4	35	79.2	84.1	
GROWMARK	FS 605	C	85.0	50	59.0	37	74.2	77.2	
GROWMARK	FS 622	C	86.6	38	58.4	34	75.7	77.6	
GROWMARK	FS 625	C	76.5	61	51.3	36	70.2	76.7	
GROWMARK	FS 626	C	98.0	2	56.4	33	86.4		
GROWMARK	WX14A	C	88.1	24	54.7	36			
Hartke Seed	L-Brand 203	C	89.1	17	58.2	35			
Hoffman Seed House	L-Brand 168	C	91.5	8	57.9	36			
Hoffman Seed House	L-Brand 182	C	84.6	53	59.0	37			
Hoffman Seed House	L-Brand 400	C	90.1	13	58.5	34			
Kitchen Seed Company	KSC 409W	F	81.3	59	59.2	37	71.9	75.0	
Kitchen Seed Company	KSC 411W	C	89.9	14	53.5	35	80.0		
Lewis Hybrids	Lewis 829	F	94.4	4	56.6	37	77.0	82.6	
Lewis Hybrids	Lewis 839	C	90.8	10	52.9	36	76.9		
Lewis Hybrids	Lewis 851	C	84.8	52	54.9	37	73.1		
Merschman	Barbie 10	C	88.8	20	53.3	36			
Merschman	Genie 12	C	87.4	32	59.4	36			
Merschman	Julie 8	F	90.7	11	58.4	36			
Miller Bros Farm and Fert.	L-Brand 228	C	88.5	22	59.9	34			
Miller Bros Farm and Fert.	L-Brand 339	G	82.2	57	59.4	34			
Miller Bros Farm and Fert.	LCS L171	C	82.3	56	60.3	37	75.1		
Pro Harvest	303	C	87.1	35	59.7	37			
Pro Harvest	311	C	82.5	55	51.9	35	71.9	79.8	
Pro Harvest	XP1102	C	85.5	49	56.6	32			
Pro Harvest	XP4113	C	84.9	51	56.9	37			
Steyer Seeds	Dowell	F	84.1	54	52.2	35	75.9		
Steyer Seeds	Hunker	F	87.6	29	52.1	36	80.6	84.6	
Steyer Seeds	Pierson	F	85.6	48	56.5	37			
Sunstar Hybrids	S-1200	C	86.9	36	53.8	36	80.1	86.5	
Sunstar Hybrids	S-2000	C	75.8	62	56.0	34			
Syngenta	SY 007	C	74.9	63	54.9	35			
Syngenta	SY 474	C	86.4	40	55.7	38	72.1		
Syngenta	SY 483	C	81.7	58	51.5	36	69.5		
UniSouth Genetics, Inc.	USG 3013	C	87.6	28	52.4	37			
UniSouth Genetics, Inc.	USG 3251	C	85.9	47	53.5	36	77.1		
UniSouth Genetics, Inc.	USG 3404	C	92.8	5	54.6	35			
UniSouth Genetics, Inc.	USG 3438	C	88.9	19	53.6	35	79.5		
Virginia Crop Impr. Assoc.	VA10W-21	F	86.7	37	57.9	34			
	Trial Mean		87.1		55.9	36	77.3	82.2	
	LSD, 10%		5.7		1.1	2			
	CV, %		4.8		1.4	3			

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M=Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.



**Table 6. Results of the 2014 wheat variety trial at Perry, in western Illinois.**

<u>Company</u>	<u>Variety</u>	<u>ST</u> <sup>1</sup>	<u>Yield</u> bu/ac	<u>Yield</u>	<u>Test wt.</u> lb/bu	<u>Height</u> in.	<u>2-yr avg</u>	<u>3-yr avg</u>
				<u>Rank</u> 1 to 60			<u>2013-14</u> bu/ac	<u>2012-14</u> bu/ac
AgriMAXX	413	C	95.5	8	53.5	33	87.8	91.0
AgriMAXX	427	C	85.8	38	55.5	35	81.9	
AgriMAXX	438	C	93.1	18	55.7	37	86.2	
AgriMAXX	444	C	99.1	1	55.6	33		
AgriMAXX	447	C	86.8	35	56.4	37	84.0	
AgriMAXX	Exp 1465	C	98.7	2	55.8	33		
Baird Seed Farms	L-Brand 228	C	83.2	49	57.3	35		
Beck's Hybrids	Beck 113	S	87.7	29	56.8	33	83.4	89.4
Beck's Hybrids	Beck 120	S	89.3	22	53.6	34	85.5	91.9
Beck's Hybrids	Beck 125	S	95.7	7	55.3	35		
Beck's Hybrids	Beck 129	S	91.5	20	55.4	36	86.9	
BioTown Seeds	Diener 492W	C	92.5	19	53.3	33	85.0	89.6
BioTown Seeds	Diener 512W	C	88.3	28	54.4	35	84.3	
BioTown Seeds	Diener XW 1403	C	84.3	42	57.2	36		
DeRaedt Seed	DeRaedt 10	C	97.3	4	54.2	33		
DeRaedt Seed	DeRaedt 11	C	87.4	30	53.5	33		89.4
DuPont Pioneer	Pioneer 25R34	G	88.5	27	55.0	34	86.4	91.9
DuPont Pioneer	Pioneer 25R40	G	94.5	11	55.4	32	92.1	99.2
DuPont Pioneer	Pioneer 25R77	G	84.2	44	56.6	32	82.9	
Dyna-Gro	9171	G	88.8	24	53.2	34	82.2	90.1
Dyna-Gro	9223	G	86.5	37	56.6	37	83.5	91.4
Dyna-Gro	9441	G	84.3	43	56.7	37		
Dyna-Gro	WX13622	C	98.5	3	55.8	34		
Equity Seed	Butler	G	94.6	10	56.1	36		
Equity Seed	Guardian	G	88.6	25	57.3	36	81.7	
Green Valley Seed	GV 653	G	93.6	16	56.5	36	85.9	
Green Valley Seed	GV 662	G	86.8	36	55.5	33	82.4	86.4
GROWMARK	FS 602	C	95.5	9	53.9	34	86.7	92.3
GROWMARK	FS 605	C	83.2	48	57.4	36		
GROWMARK	FS 622	C	87.1	32	57.1	33	84.8	88.3
GROWMARK	FS 625	C	85.5	40	55.2	35	83.0	89.4
GROWMARK	FS 626	C	90.3	21	56.0	33	84.0	
GROWMARK	WX14A	C	94.1	13	57.1	35		
Hartke Seed	L-Brand 203	C	83.2	50	56.1	35		
Kitchen Seed Company	KSC 409W	F	74.0	60	57.2	36	75.1	81.4
Kitchen Seed Company	KSC 411W	C	87.3	31	54.2	34	81.2	
Kratz Farms	KF 15188	C	80.6	54	56.1	37		
Kratz Farms	KF 15241	C	84.5	41	56.5	36		
Kratz Farms	KF 15314	C	82.9	51	55.6	38		
Lewis Hybrids	Lewis 839	C	89.3	23	55.7	36	84.8	
Lewis Hybrids	Lewis 851	C	86.9	34	56.8	35	77.9	
Martin Seeds, Inc.	M13W	C	93.5	17	53.6	34	90.0	
Martin Seeds, Inc.	Skysail	C	87.0	33	57.8	36	85.2	
Merschman	Barbie 10	C	96.8	5	54.4	33		
Merschman	Genie 12	C	81.8	52	60.8	36		
Merschman	Julie 8	F	76.5	59	53.8	35		
Pro Harvest	303	C	88.5	26	56.4	36		
Pro Harvest	311	C	83.4	46	54.6	37	81.1	88.4
Pro Harvest	XP0701	C	94.3	12	53.5	32		
Pro Harvest	XP1102	C	79.6	55	55.7	30		
Pro Harvest	XP4113	C	84.2	45	55.4	37		
Pro Harvest	XP4333	C	79.5	56	58.1	36		
Pro Seed Genetics	PRO 240	M	83.3	47	55.0	39	86.8	91.6
Pro Seed Genetics	PRO 260	M	81.6	53	54.5	33	77.6	85.6
Pro Seed Genetics	PRO 320A	M	77.6	58	55.6	36	82.9	89.7
Sunstar Hybrids	S-1200	C	93.6	15	53.0	33	86.3	95.1
Sunstar Hybrids	S-2000	C	96.5	6	55.0	34		
Syngenta	SY 474	C	78.1	57	57.4	37	73.8	
Syngenta	SY 483	C	94.1	14	56.9	35	79.4	89.8
Syngenta	W1104	C	85.7	39	55.3	34	84.7	93.7
	Trial Mean		87.6		55.8	35	83.5	90.3
	LSD, 10%		6.6		1.7	2		
	CV, %		5.6		2.2	4		

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M= Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

**Table 7. Results of the 2014 wheat variety trial at Urbana, in east central Illinois.**

Company	Variety	ST <sup>1</sup>	Yield		Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
			Yield bu/ac	Rank 1 to 60			2013,12 bu/ac	2011-12,13 bu/ac
AgriMAXX	413	C	98.5	10	50.3	30	93.3	
AgriMAXX	427	C	96.0	21	50.4	34		
AgriMAXX	438	C	93.5	32	49.9	33		
AgriMAXX	444	C	102.9	4	52.0	31		
AgriMAXX	447	C	97.1	18	50.8	36		
AgriMAXX	Exp 1465	C	100.5	6	52.9	32		
Baird Seed Farms	L-Brand 228	C	92.4	41	55.1	34		
Beck's Hybrids	Beck 113	S	94.5	27	52.4	31	91.1	92.2
Beck's Hybrids	Beck 120	S	100.4	7	51.3	31	94.9	
Beck's Hybrids	Beck 125	S	105.2	2	53.6	34		
Beck's Hybrids	Beck 129	S	93.2	34	50.7	35		
BioTown Seeds	Diener 492W	C	97.4	15	50.6	31	91.6	92.0
BioTown Seeds	Diener 512W	C	91.3	44	49.9	35		
BioTown Seeds	Diener XW 1403	C	95.4	23	53.2	34		
DeRaedt Seed	DeRaedt 10	C	93.4	33	49.5	32		
DeRaedt Seed	DeRaedt 11	C	104.6	3	51.2	31	97.5	95.9
DuPont Pioneer	Pioneer 25R34	G	93.2	34	52.0	32	94.9	93.6
DuPont Pioneer	Pioneer 25R40	G	94.9	24	52.4	32	94.0	93.3
DuPont Pioneer	Pioneer 25R77	G	83.3	58	51.0	31		
Dyna-Gro	9171	G	100.1	8	51.2	31	95.2	
Dyna-Gro	9223	G	93.8	30	50.1	35	93.4	
Dyna-Gro	9441	G	87.7	51	53.4	32		
Dyna-Gro	WX13622	C	99.2	9	51.9	33		
Equity Seed	Butler	G	88.5	50	48.8	33		
Equity Seed	Guardian	G	94.1	29	50.5	33		
Green Valley Seed	GV 653	G	84.6	56	48.3	34		
Green Valley Seed	GV 662	G	88.7	49	53.3	31	84.3	85.9
GROWMARK	FS 602	C	102.8	5	50.9	30	95.5	
GROWMARK	FS 605	C	98.4	12	53.4	34		
GROWMARK	FS 622	C	92.0	43	54.0	30	88.8	90.9
GROWMARK	FS 625	C	94.8	25	51.5	34	89.4	
GROWMARK	FS 626	C	92.9	39	52.2	31		
GROWMARK	WX14A	C	92.6	40	52.3	33		
Hartke Seed	L-Brand 203	C	85.5	54	52.6	32		
Kitchen Seed Company	KSC 409W	F	91.0	46	53.8	35	73.7	77.3
Kitchen Seed Company	KSC 411W	C	98.4	11	50.5	33		
Kratz Farms	KF 15188	C	87.1	52	50.7	37		
Kratz Farms	KF 15241	C	96.8	19	53.2	34		
Kratz Farms	KF 15314	C	84.6	57	51.7	36		
Lewis Hybrids	Lewis 839	C	95.8	22	50.4	33		
Lewis Hybrids	Lewis 851	C	97.6	14	50.7	32		
Martin Seeds, Inc.	M13W	C	88.9	48	48.4	30		
Martin Seeds, Inc.	Skysail	C	91.0	45	53.7	35		
Merschman	Barbie 10	C	93.1	37	50.6	31		
Merschman	Genie 12	C	93.2	36	55.6	32		
Merschman	Julie 8	F	94.4	28	51.0	33		
Pro Harvest	303	C	97.4	15	53.4	34		
Pro Harvest	311	C	93.7	31	51.1	33	88.9	
Pro Harvest	XP0701	C	97.3	17	51.1	32		
Pro Harvest	XP1102	C	81.8	59	51.2	29		
Pro Harvest	XP4113	C	92.0	42	52.3	35		
Pro Harvest	XP4333	C	86.6	53	53.2	32		
Pro Seed Genetics	PRO 240	M	89.5	47	52.1	36	86.9	88.5
Pro Seed Genetics	PRO 260	M	98.3	13	50.2	31	83.1	84.4
Pro Seed Genetics	PRO 320A	M	79.3	60	49.5	34	87.2	88.3
Sunstar Hybrids	S-1200	C	105.3	1	51.2	31	97.3	95.9
Sunstar Hybrids	S-2000	C	96.2	20	51.9	31		
Syngenta	SY 474	C	94.6	26	52.6	36		
Syngenta	SY 483	C	92.9	38	51.4	33	89.8	
Syngenta	W1104	C	84.8	55	49.5	31	93.5	96.9
	Trial Mean		93.6		51.7	33	90.7	90.4
	LSD, 10%		6.5		1.3	2		
	CV, %		5.2		1.9	5		

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M= Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

## Data From 2013

**Table 8. Results of the 2013 wheat variety trial at DeKalb, in north central Illinois.**

Company	Variety	ST <sup>1</sup>	Yield bu/ac	Yield	Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
				Rank 1 to 59			2012-13 bu/ac	2011-13 bu/ac
AgriMAXX	413	C	76.7	15	57.5	29	80.9	
AgriMAXX	427	C	69.5	44	55.7	32		
AgriMAXX	434	C	70.1	43	56.6	30		
AgriMAXX	438	C	72.3	33	56.0	34		
AgriMAXX	447	C	79.4	6	56.7	32		
Beck's Hybrids	Beck 113	S	70.6	40	56.7	31	84.5	88.5
Beck's Hybrids	Beck 120	S	76.1	17	57.9	30	84.3	
Beck's Hybrids	Beck 129	S	74.9	21	56.1	34		
Beck's Hybrids	Beck 135	S	77.5	10	58.2	32	91.5	90.5
BioTown Seeds	Diener 492W	C	80.8	5	58.0	32	83.7	84.7
BioTown Seeds	Diener 512W	C	73.3	31	55.4	34		
DeRaedt Seed	DeRaedt 11	C	80.9	3	56.9	30	85.6	84.8
DeRaedt Seed	DeRaedt 9	C	81.1	2	58.0	33		
Direct Enterprises	Guardian	G	63.4	55	54.6	34		
Direct Enterprises	Quest	G	72.2	34	58.1	33	79.2	81.0
Direct Enterprises	Sienna	G	70.1	42	55.6	36	77.4	84.3
DuPont Pioneer	Pioneer 25R34	G	75.8	18	56.4	33	86.0	86.7
DuPont Pioneer	Pioneer 25R39	G	80.8	4	56.8	32	87.4	92.5
DuPont Pioneer	Pioneer 25R40	G	75.4	19	58.7	30	89.0	90.6
DuPont Pioneer	Pioneer 25R46	G	60.9	58	56.6	30		
DuPont Pioneer	Pioneer 25R77	G	76.4	16	59.7	31		
Dyna-Gro	9171	G	74.5	23	57.9	31	83.1	
Dyna-Gro	9223	G	75.3	20	55.8	34	83.9	
Green Valley Seed	GV 653	C	71.4	38	56.2	34		
Green Valley Seed	GV 662	C	65.8	50	59.8	30	75.2	79.9
GROWMARK	FS 602	C	73.9	27	57.3	30	81.8	
GROWMARK	FS 622	C	74.1	26	58.3	31	83.2	85.0
GROWMARK	FS 625	C	76.8	13	56.2	33	81.0	
GROWMARK	FS 626	C	58.5	59	56.4	31		
GROWMARK	WX13A	C	68.7	47	56.1	33		
Kitchen Seed Company	KSC 409W	F	66.0	49	59.0	33	69.8	74.6
Kitchen Seed Company	KSC 411W	C	74.7	22	58.5	30		
Kitchen Seed Company	KSC 412W	C	74.3	25	55.2	33		
Lewis Hybrids	Lewis 829	F	71.5	37	55.4	36	80.4	
Lewis Hybrids	Lewis 839	C	73.6	30	56.6	32		
Lewis Hybrids	Lewis 851	C	63.6	54	55.3	33		
Martin Seeds, Inc.	M13W	C	82.6	1	56.8	33		
Martin Seeds, Inc.	Skysail	C	79.4	7	59.8	34		
Merschman	Barbie 9	C	73.8	28	57.2	34		
Merschman	Barbie VIII		76.8	12	57.8	29	86.7	
Merschman	Bintee 9	G	69.4	45	61.2	31		
Merschman	Julie VII		65.7	51	62.1	33	69.4	
Merschman	Katie 12	C	70.7	39	59.5	32		
Merschman	Millie 4	C	69.0	46	60.9	32		
Pro Harvest	288	C	74.4	24	56.9	35		
Pro Harvest	311	C	62.2	56	54.7	32	76.6	
Pro Harvest	334	C	70.5	41	54.0	34		
Pro Seed Genetics	PRO 240	M	76.9	11	56.6	36	82.7	84.0
Pro Seed Genetics	PRO 260	M	68.2	48	56.7	31	79.3	87.5
Pro Seed Genetics	PRO 320A	M	76.7	14	60.1	37	86.2	88.2
Steyer Seeds	Dowell	F	77.9	9	55.9	33		
Steyer Seeds	Heilman	F	79.3	8	55.8	36	82.5	
Steyer Seeds	Hunker	F	71.8	35	54.3	34		
Sunstar Hybrids	S-1100	F	62.2	57	55.0	31	75.0	
Sunstar Hybrids	S-1200	F	71.8	36	57.1	30	76.7	79.8
Syngenta	SY 007	C	73.8	29	56.5	34		
Syngenta	SY 474	C	72.7	32	56.6	34		
Syngenta	SY 483	C	64.6	52	55.9	31	79.8	
Syngenta	W1104	C	64.4	53	55.7	31	81.9	87.2
	Trial Mean		72.5		57.3	32	81.5	84.5
	LSD, 10%		6.1		2.0	2		
	CV, %		6.3		2.6	4		

<sup>1</sup>ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gaucho+Fungicide, M= Macho+Fungicide, N= Encase+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>Sept-oria</u>
AgriMAXX	412	V	E	S	VG	M	G		MR	MS
	413	V	E	B	E	MS	E		R	MS
	415	V	M	B	E	M	E		MR	MR
	427	V	ML	S	VG	MT	G		MR	MR
	438	V	ML	S	E	MT	VG		MR	MR
	444	V		B	E	M	VG		MS	MR
	447	V	M	S	E	MT	VG		R	MR
	1465	V		B	E	M	VG		R	MR
Baird Seed Farms	L-Brand 228	V	ME	S	VG	M	VG	I	R	R
Beck's Hybrids	113	V	ME	S	E	M	E	MR	I	I
	120	V	ME	B	E	S	E	MR	MR	I
	125	V	M	B	E	M	VG	MR	MR	MR
	129	V	M	S	E	T	G	MR	MR	MR
BioTown Seeds	Diener 492W	V	ME	B	VG	S	E	G	R	R
	Diener 506W	V	ML	S	VG	M	G	G	MR	MR
DeRaedt Seed	10	V	ME	B	E	MS	E	S	I	MR
	11	V	ME	B	E	MS	E	S	I	MR
DuPont Pioneer	PIONEER 25R34	V	ML	B	E	M	VG	R	I	MR
	PIONEER 25R40	V	ML	B	G	S	E	S	MR	MR
	PIONEER 25R46	V	ML	B	E	S	E	S	I	I
	PIONEER 25R77	V	E	B	VG	S	VG	R	S	MS
Dyna-Gro Seed	9171	V	ME	B	VG	MS	E	S	MR	I
	9223	V	ML	S	E	MT	VG	S	MS	MR
	9343	V	ML	S	E	MT	VG		I	MR
	9373	V	ML	S	VG	M	E		R	MR
	9441	V	E	S	VG	MT	VG		MR	I
	WX13622	V	M	B	E	M	VG	S	I	MR
	WX13631	V	ME	B	VG	M	E	MS	MR	MR
Equity Enterprises	Guardian	V	ML	S	E	M	E		MR	MR
	Butler	V	M	S	E	M	E		MR	MR
Green Valley Seed	GV 653	V	M	S	E	M	VG	MR	I	I
	GV 662	V	M	B	E	M	VG	MR	MR	I
Growmark	FS 602	V	ME	B	E	S	E	S	MR	MR
	FS 605	V	E	S	E	M	G	S	MR	R
	FS 622	V	M	B	E	M	E	S	MR	MR
	FS 625	V	M	S	E	M	VG	S	MS	I
	FS 626	V	ML	B	VG	M	E	S	MR	MR
	WX14A	V	M	S	VG	M	E	MR	MS	I
Hartke Seed Farms	L-Brand 203	V	M	S	VG	M	VG	I	R	R
Hoffman Seed House	L-Brand 203	V	VE	S	E	M	VG	I	MR	MR
	L-Brand 203	V	E	S	VG	M	VG	I	MR	MR
	L-Brand 203	V	M	S	VG	M	VG	I	MS	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>
Kitchen Seed Company	KSC 409W	V	M	S	E	M	G	I	MR	MR
	KSC 411W	V	MS	B	E	M	E	I	MR	MR
Kratz Farms LLC	KF 15241	V	ME	S	VG	M	VG	I	MS	R
	KF 15314	V	M	S	VG	M	VG	I	MR	R
	KF 15188	V	M	S	VG	MT	VG	I	MS	R
Lewis Hybrids	829	V	ME	S	E	T	E		MR	MR
	839	V	M	S	E	M	E		R	R
	851	V	ML	S	E	M	VG		R	R
Martin Seeds	M13W	V	ME	B	VG	M	VG	I	R	MR
	Skysail	V	ML	S	G	M	G	I	MS	
Merschman Seeds, Inc.	Barbie 9	V	ME	B	E	M	G	S	I	I
	Julie 8	V	E	S	E	S	G		I	I
	Genie 12	V	ME	S	E	S	G		I	I
Miller Bros. Seed & Fertilizer	L-Brand 171	V	E	S	E	M	VG	I	R	MR
	L-Brand 228	V	ME	S	VG	M	VG	I	R	R
	L-Brand 339	V	M	S	VG	M	VG	I	MS	MR
Pro Harvest Seeds Inc.	311	V	M	S	VG	M	VG		MR	MR
	303	V	ME	S	EX	M	EX		R	R
	XP4113	V	M	S	EX	MT	VG		MR	MR
	XP4333	V	M	S	VG	MS	EX		I	MR
	XP1102	V	ML	B	VG	MS	EX		MR	MR
	XP0701	V	M	B	VG	M	VG		MR	I
Pro Seed Genetics	PRO 240	V	E	S	G	M	VG		MR	MR
	PRO 260	V		S						
	PRO 320A	V		B	G	M	VG		MR	MR
Steyer Seeds	Dowell	V	M	S	E	MT	VG	MR	MR	MS
	Hunker	V	ML	S	E	MT	VG	MR	MR	MR
	Pierson	V	ML	S	VG	MT	VG	MR	R	MR
Sunstar Hybrids	S-1200	V	ME	B	VG	M	E		MR	R
	S-2000	V	M	B		M	E		MR	MR
Syngenta	SY 483	V	ML	S	G	M	G		MS	MS
	SY 474	V	M	S	VG	M	E		MR	MR
	SY 007	V	ME	B	G	M	G		S	MS
	W1104	V	M	S	G	M	G		S	MS
UniSouth Genetics	3438	V	ME	B	VG	MS	E	S	MR	MR
	3251	V	ML	B	VG	M	E	S	MR	MR
	3013	V	ML	B	VG	M	E	S	MR	MR
	3404	V	ML	B	G	M	E	S		
Virginia Tech	VA09W-73	V	M	T		S			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

## 2014 University of Illinois Variety Trial Fusarium Head Blight (Scab) resistance evaluation \*

Frederic L. Kolb and Allison Krill Brown

**Varieties with greater resistance have lower numbers.**

Company	Entry Name	Scab Resistance Rating (0-9)	Company	Entry Name	Scab Resistance Rating (0-9)
AgriMAXX	AgriMAXX 413	6	Kitchen Seed Company	KSC 409W	5
AgriMAXX	AgriMAXX 427	5	Kitchen Seed Company	KSC 411W	6
AgriMAXX	AgriMAXX 438	5	Kratz Farms	KF 15241	4
AgriMAXX	AgriMAXX 447	6	Kratz Farms	KF 15314	6
AgriMAXX	AgriMAXX 444	4	Kratz Farms	KF 15188	6
AgriMAXX	AgriMAXX Exp 1465	6	Lewis Hybrids	Lewis 829	6
AgriMAXX	AgriMAXX 412	6	Lewis Hybrids	Lewis 839	6
AgriMAXX	AgriMAXX 415	6	Lewis Hybrids	Lewis 851	5
Baird Seed Farms	L-Brand 228	3	Martin Seeds, Inc.	Skysail	4
Beck's Hybrids	Beck 113	5	Martin Seeds, Inc.	M13W	5
Beck's Hybrids	Beck 120	6	Merschman	Barbie 10	5
Beck's Hybrids	Beck 125	4	Merschman	Julie 8	3
Beck's Hybrids	Beck 129	6	Merschman	Genie 12	3
BioTown Seeds	Diener 492W	6	Miller Bros Farm and Fert.	LCS L171	4
BioTown Seeds	Diener 512W	5	Miller Bros Farm and Fert.	L-Brand 228	4
BioTown Seeds	Diener XW 1403	4	Miller Bros Farm and Fert.	L-Brand 339	4
DeRaedt Seed	DeRaedt 11	6	Pro Harvest	PH 311	5
DeRaedt Seed	DeRaedt 10	6	Pro Harvest	PH 303	4
DuPont Pioneer	Pioneer 25R77	5	Pro Harvest	XP4113	7
DuPont Pioneer	Pioneer 25R46	4	Pro Harvest	XP4333	4
DuPont Pioneer	Pioneer 25R40	5	Pro Harvest	XP1102	6
Dyna-Gro	DG 9171	6	Pro Harvest	XP0701	6
Dyna-Gro	DG 9223	6	Pro Seed Genetics	PRO 240	6
Dyna-Gro	DG 9343	5	Pro Seed Genetics	PRO 260	6
Dyna-Gro	DG 9373	6	Pro Seed Genetics	PRO 320A	6
Dyna-Gro	DG 9441	5	Steyer Seeds	Dowell	5
Dyna-Gro	WX13622	4	Steyer Seeds	Hunker	5
Dyna-Gro	WX13631	5	Steyer Seeds	Pierson	5
Equity Seed	Guardian	5	Sunstar Hybrids	S-1200	6
Equity Seed	Butler	6	Sunstar Hybrids	S-2000	5
Green Valley Seed	GV 662	5	Syngenta	SY 483	7
Green Valley Seed	GV 653	6	Syngenta	SY 474	7
GROWMARK	FS 622	5	Syngenta	SY 007	6
GROWMARK	FS 602	6	Syngenta	W1104	6
GROWMARK	FS 605	4	UniSouth Genetics, Inc.	USG 3251	6
GROWMARK	FS 625	5	UniSouth Genetics, Inc.	USG 3438	5
GROWMARK	FS 626	5	UniSouth Genetics, Inc.	USG 3013	5
GROWMARK	WX14A	6	UniSouth Genetics, Inc.	USG 3404	5
Hartke Seed	L-Brand 203	4	Virginia Crop Impr. Assoc.	VA10W-21	6
Hoffman Seed House	L-Brand 168	3	Moderate resistant check	Ernie	4
Hoffman Seed House	L-Brand 182	5	Resistant check	IL02-18228	2
Hoffman Seed House	L-Brand 400	3	Resistant check	IL07-4415	3
			Test Average		5
			LSD (0.05)		1.0
			CV (%)		11.2

\*The field nursery was inoculated and mist irrigated. Three replications were evaluated.  
Ratings are standardized and based on incidence, severity and kernel quality.