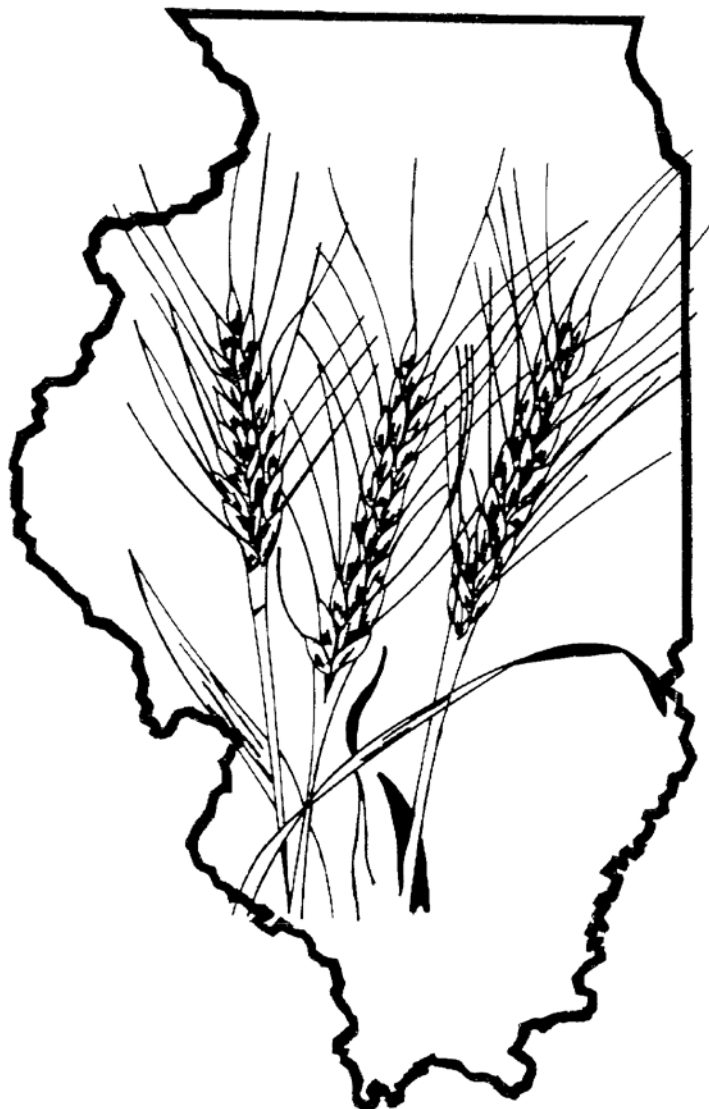


WHEAT PERFORMANCE IN ILLINOIS TRIALS – 2012



**Crop Sciences Special Report 2012-01
Department of Crop Sciences
University of Illinois
July 2012**

WHEAT PERFORMANCE IN ILLINOIS TRIALS - 2012

Crop Sciences Special Report 2012-01, July 2012

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The 2011-12 wheat season was a good one in Illinois, with above-average yields and outstanding grain quality in most areas of Illinois. Planted acres dropped by 16%, from 765,000 acres in 2011 to 640,000 acres in 2012, but yields increased from 61 to 64 bushels per acre, and production dropped by only 12 percent. The 2012 yield is tied for the third-highest on record, and is about 5 bushels per acre above the average of the past decade.

The dry fall in 2011 allowed early harvest of the summer crops and the wheat crop to be planted on time. Soils were somewhat dry at planting but stands were generally good, and there was good rainfall after planting to produce good growth before dormancy. The winter of 2011-12 was relatively dry and warm, and there was virtually no damage from standing water or from cold temperatures. The crop greened up very early and grew rapidly in March, with a very early start to heading: 8 percent of the crop was headed by April 8, and 80 percent was headed by April 30, compared to 6 percent normally headed by the end of April. Temperatures over much of the state dropped below 32 degrees on April 11 and 12, causing some freeze injury. The weather remained drier than normal throughout the spring, including during flowering. As a result, there was almost no Fusarium head scab in Illinois in 2012. Warm, dry weather continued into June, and the 2012 crop was harvested earlier than ever before: 6 percent of the crop was harvested by June 3 and 96 percent by July 1. Though planting of doublecrop soybeans was much earlier than normal, dry soil conditions delayed or prevented emergence in many fields.

The 2012 wheat variety trials were planted on time, under good soil conditions. The only factors that negatively affected yields were the below-freezing temperatures the second week of April, when much of the crop was either headed or in boot, and stripe rust in some areas. We discarded some data at Urbana from early varieties, which appeared to have suffered more damage from the frost than most of the other entries. Even without much visible damage in other locations, these early varieties tended to yield less than expected, probably due to their early growth and more advanced stage when the frost occurred. Yields were generally good at all locations.

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. The final table of the report includes Fusarium head scab ratings from Dr. Fred Kolb's misted, inoculated scab trial at Urbana. Seed companies were allowed to include entries treated with seed-applied insecticide, with the insecticide treatment identified by product name. We also entered both treated and untreated seed of several varieties at each location as a test of yield response to this input. Averages from those comparisons were used to generate the statement at the bottom of each table.

<u>Location</u>	<u>Cooperators</u>	<u>Soil type</u>	<u>Planted</u>	<u>N fertilizer</u>	<u>Harvest</u>
Dixon Springs	Steve Ebelhar	Grantsburg silt loam	Oct. 17	30 Fall 120 Spring	June 5
Belleville	Ron Krausz	Ebbert silt loam	Oct. 14	30 Fall 85 Spring	June 6
Brownstown	Lindell Deal	Cisne silt loam	Oct. 5	0 Fall 120 Spring	June 8
Orr Center	Mike Vose	Clarksdale silt loam	Oct. 3	45 Fall 80 Spring	June 13
Urbana	Bob Dunker Jeff Warren	Flanagan silt loam	Oct. 4	40 Fall 40 Spring	June 15
DeKalb	Dave Lindgren	Drummer silty clay loam	Sept. 24	30 Fall 40 Spring	June 27

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 2012.

AgriMAXX Wheat Co
7167 Highbanks Rd
Mascoutah, IL 62258
618-566-7022

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

Pioneer Hi-Bred International
421 Detroit Drive
Bloomington, IL 61704
(800) 950-3489

Agrinetics, Inc.
8664 Howison
Hinkley, IL 60520
(630) 417-4265

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

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

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

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

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

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

Cappel Certified Seed
12629 HWY 38 W
Rochelle, IL 61068
(815) 562-8978

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

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

Limagrain Cereal Seeds LLC
257 East Hail Street
Bushnell, IL 61422
(309) 772-2070

Synergy Seeds, Inc.
PO Box 508
Herscher, IL 60941
(815) 426-9885

Direct Enterprises
PO Box 978
Westfield, IN 46074
(888) 895-7333

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

Syngenta
520 E 1050 S
Brookston, IN 47923
(765) 563-3111

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

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

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

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

Monier Seed + Service
846 Yankee Lane
Sparland, IL 61565
(309) 469-2511

Westbred
6025 W 3005
Lafayette, IN 47909
(765) 572-2627

Table 1. Southern Illinois regional wheat variety trial results, 2012

Company	Variety	ST ¹	Regional Average				Dixon Springs		Belleville		Brownstown	
			Yield bu/ac	Yield Rank 1 to 78	Test wt. lb/bu	Height in.	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu	Yield bu/ac	Test wt. lb/bu
AgriMAXX	412	C	78.2	23	60.4	35	63.4	58.9	79.6	60.5	91.5	61.7
AgriMAXX	413	C	85.1	8	58.9	34	70.5	58.2	83.2	58.5	101.7	59.9
AgriMAXX	415	C	75.9	36	61.3	35	64.5	60.4	82.0	61.3	81.2	62.2
AgriMAXX	490	C	75.4	38	60.7	36	62.1	60.4	76.4	60.2	87.8	61.6
AgriMAXX	Exp 1220	C	74.1	46	61.0	37	58.9	61.3	79.3	61.4	84.1	60.2
Beck's Hybrids	Beck 113	S	84.2	11	60.3	35	68.7	59.2	79.9	60.5	103.9	61.3
Beck's Hybrids	Beck 120	S	86.2	6	59.0	34	76.4	58.5	83.8	58.9	98.5	59.5
Beck's Hybrids	Beck 126	S	76.4	35	59.6	39	58.7	57.7	76.8	60.2	93.6	60.9
Beck's Hybrids	Beck 135	S	84.7	9	59.4	38	67.4	58.0	91.3	59.9	95.3	60.2
BioTown Seeds	Diener 492W	F	81.1	18	58.6	33	67.0	57.7	81.0	58.4	95.4	59.6
BioTown Seeds	Diener 501	F	59.9	75	59.0	38	47.3	57.3	63.1	59.8	69.3	59.7
Direct Enterprises	Edge	M	69.7	59	60.0	38	58.0	58.8	69.2	60.2	81.9	60.9
Direct Enterprises	Quest	M	65.3	71	58.5	37	50.1	55.9	66.0	60.0	79.9	59.7
Direct Enterprises	Sienna	M	68.0	65	59.2	39	55.5	57.3	66.3	59.3	82.1	60.9
Dyna-Gro	9031	G	77.6	26	61.6	37	67.9	60.3	81.8	61.5	83.2	63.1
Dyna-Gro	9053	G	87.8	2	58.0	36	74.5	56.2	88.0	58.4	101.0	59.3
Dyna-Gro	9171	G	84.3	10	59.0	33	66.4	58.2	84.4	59.1	102.0	59.6
Dyna-Gro	9223	G	85.8	7	59.0	38	71.6	57.4	84.3	59.6	101.4	59.9
Excel Brands	EXCEL 161	C	77.4	28	62.1	37	66.8	61.3	82.3	62.0	83.0	63.0
Excel Brands	EXCEL 166	N	75.9	37	61.0	38	62.7	59.7	76.1	61.2	88.9	62.2
Excel Brands	EXCEL 362	N	67.2	68	60.5	37	50.0	58.7	72.8	61.7	78.7	61.1
GROWMARK	FS 602	C	80.8	19	58.6	34	68.7	57.4	79.8	59.1	94.0	59.4
GROWMARK	FS 605	C	75.0	40	61.1	39	63.8	60.1	78.0	61.2	83.2	62.1
GROWMARK	FS 610	C	76.4	33	61.8	38	66.5	60.8	79.1	61.9	83.7	62.8
GROWMARK	FS 622	C	74.5	44	61.2	35	66.5	60.5	75.7	61.2	81.2	61.9
GROWMARK	FS 625	C	77.1	30	57.8	36	65.0	55.9	76.8	58.2	89.6	59.3
GROWMARK	FS 630	C	74.7	42	60.0	40	63.3	58.6	75.0	60.3	85.8	61.0
Hartke Seed	EXCEL 163	N	71.2	54	60.9	36	53.2	60.6	76.5	60.7	84.0	61.5
Hartke Seed	EXCEL 173	N	74.4	45	59.2	38	59.7	58.0	77.7	59.1	85.7	60.3
Hoffman Seed House	EXCEL 168	C	74.1	47	62.0	39	61.5	60.9	74.5	62.2	86.3	63.0
Hoffman Seed House	EXCEL 337	C	74.9	41	60.5	36	65.4	58.8	72.1	60.7	87.1	62.0
Hoffman Seed House	H7W10	C	72.1	52	61.2	34	62.1	60.2	76.8	61.6	77.4	61.9
Hoffman Seed House	H7W11	C	71.5	53	60.0	34	57.0	57.7	75.3	60.7	82.1	61.7
Hoffman Seed House	H7W12	C	67.4	67	60.6	35	56.3	58.9	67.2	60.9	78.9	62.0
Kitchen Seed Company	KSC 408W	F	64.5	72	60.8	41	57.2	59.7	61.8	61.4	74.4	61.1
Kitchen Seed Company	KSC 409W	F	75.2	39	61.6	38	65.5	60.5	78.9	61.5	81.1	62.8
Kitchen Seed Company	KSC 410W	F	58.5	78	60.1	37	50.7	58.3	57.6	61.0	67.3	60.9
Lewis Hybrids	Lewis 829		77.1	31	59.2	40	59.5	56.7	78.1	59.9	93.7	61.1
Lewis Hybrids	Lewis 836		68.8	64	61.5	38	56.3	59.3	70.5	62.3	79.6	62.9
Lewis Hybrids	Lewis 842		59.8	77	59.2	37	49.2	57.8	61.1	59.6	69.0	60.3
Limagrain Cereal Seeds	LCS 3411	F	72.6	51	59.9	35	61.8	58.0	72.0	60.0	83.9	61.6
Limagrain Cereal Seeds	LCS 4165	F	68.8	63	60.3	35	59.2	58.6	68.6	60.6	78.7	61.8
Limagrain Cereal Seeds	LCS 4103	F	59.8	76	59.1	36	47.5	57.5	62.5	60.2	69.3	59.5
Merschman	Barbie VIII	G	86.3	5	59.6	33	65.1	58.1	92.5	60.0	101.3	60.8
Merschman	Bintee VIII	G	79.9	21	59.1	38	59.5	58.0	81.9	59.2	98.4	60.1
Merschman	Genie X	G	76.8	32	61.4	35	70.9	61.1	80.2	60.9	79.2	62.2
Merschman	Julie VII	C	69.8	58	61.8	39	56.0	60.2	74.5	62.4	79.0	62.8
Merschman	Katie XI	G	63.2	73	59.8	38	49.0	57.3	70.0	61.8	70.7	60.3
Merschman	Millie III	C	70.3	56	60.5	36	58.1	59.1	72.8	60.6	79.9	61.8
Miller Bros. Seed and Fert.	EXCEL 180	N	74.7	43	60.3	37	62.5	59.6	75.6	60.0	85.9	61.3
Miller Bros. Seed and Fert.	EXCEL 242	N	65.7	70	59.9	38	52.3	58.6	71.5	60.8	73.2	60.4
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R32	G	77.9	25	61.3	36	57.1	59.1	85.3	62.1	91.2	62.5
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	83.1	16	59.8	37	65.8	58.8	88.0	59.9	95.5	60.7
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	84.2	12	60.4	35	75.7	59.2	84.1	60.4	92.8	61.5
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	87.2	3	58.7	35	65.4	57.3	87.1	59.0	109.2	59.8
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R78	G	80.8	20	61.2	35	63.5	60.3	85.4	61.5	93.4	61.8
Pro Harvest	207	C	76.4	34	61.7	38	68.5	60.8	78.2	61.5	82.4	62.7
Pro Harvest	311	C	83.6	15	58.2	35	66.8	55.9	88.4	59.3	95.5	59.4
Steyer Seeds	755W	F	78.0	24	61.2	36	68.6	60.8	82.8	61.1	82.7	61.8
Steyer Seeds	Heilman	F	72.7	50	59.3	40	54.8	57.2	69.1	59.8	94.2	60.8
Steyer Seeds	Hunker	F	77.6	27	58.7	36	58.2	56.9	82.1	59.4	92.6	59.7
Steyer Seeds	Kidwell	F	83.7	13	58.8	34	68.4	58.2	85.3	58.6	97.5	59.5
Sunstar Hybrids	S-1000	F	70.0	57	59.5	38	53.7	57.4	68.6	60.1	87.8	61.0
Sunstar Hybrids	S-1100	F	87.2	4	58.3	36	67.5	55.8	90.3	59.3	103.7	59.7
Sunstar Hybrids	S-1200	F	81.5	17	58.9	33	60.9	57.6	84.4	59.3	99.2	59.7
Sunstar Hybrids	S-950	F	66.1	69	59.6	37	47.9	57.7	70.5	60.7	80.0	60.4
Syngenta	OAKES	F	73.7	48	61.7	36	62.9	60.5	76.3	62.2	81.8	62.3
Syngenta	OAKES Cruiser	C	83.7	14	61.9	36	74.2	61.3	86.2	61.8	90.6	62.7
Syngenta	SY 1526	F	62.4	74	56.9	37	50.4	55.3	59.1	56.6	77.8	58.9
Syngenta	SY 1526 Cruiser	C	73.6	49	57.6	37	54.3	55.0	73.0	57.8	93.6	60.1
Syngenta	W1104	F	77.2	29	58.0	36	57.1	55.8	82.8	59.2	91.9	58.9
Syngenta	W1104 Cruiser	C	88.2	1	58.7	36	68.2	56.4	92.7	59.7	103.6	59.9
Syngenta	W1377	F	68.9	62	61.6	39	64.5	60.7	68.4	62.3	73.9	61.9
Syngenta	W1377 Cruiser	C	71.2	55	61.4	39	60.1	60.5	73.6	62.2	80.0	61.5
Virginia Crop Impr. Assoc.	Jamestown	F	69.6	60	61.8	33	57.3	62.2	72.6	61.6	78.9	61.6
Virginia Crop Impr. Assoc.	VA08W-176	F	67.7	66	60.7	36	60.4	60.5	64.7	60.2	77.9	61.6
Virginia Crop Impr. Assoc.	VA08W-294	F	78.8	22	60.3	35	63.0	58.9	81.9	60.6	91.5	61.5
Westbred	WB-700	F	69.2	61	58.5	38	55.7	57.0	71.8	58.7	80.3	59.7
	Trial Mean		75.2		60.1	37	61.3	58.7	77.1	60.5	87.1	61.2
	LSD, 10%		6.2		0.9	1	7.3	1.0	6.4	0.6	7.3	1.1
	CV, %		10.6		1.9	5	8.9	1.3	6.2	0.7	6.2	1.3

Averaged over Four varieties in the Southern Region, treatment insecticide (Cruiser) increased yield by 8.6 bushels/acre.

¹ST- 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, 2012

Company	Variety	ST ¹	Regional Average				Perry		Urbana		DeKalb	
			Yield	Yield Rank	Test wt.	Height	Yield	Test wt.	Yield	Test wt.	Yield	Test wt.
			bu/ac	1 to 74	lb/bu	in.	bu/ac	lb/bu	bu/ac	lb/bu	bu/ac	lb/bu
AgriMAXX	413	C	90.3	37	59.5	35	97.5	59.0	88.1	60.0	85.2	59.4
AgriMAXX	Exp 1215	C	93.8	26	59.6	38	108.3	59.2	79.0	59.6	94.0	59.9
Agrinetics	EXCEL 180	N	86.1	49	61.0	40	99.6	61.8	62.0	59.1	84.8	62.1
Agrinetics	EXCEL 442	F	95.0	20	61.6	43	99.9	61.6	92.2	61.9	92.8	61.3
Beck's Hybrids	Beck 113	S	95.8	16	62.5	37	101.3	62.4	87.8	62.6	98.4	62.5
Beck's Hybrids	Beck 120	S	95.6	18	59.7	35	104.8	59.5	89.3	59.7	92.5	60.0
Beck's Hybrids	Beck 126	S	93.2	28	61.2	42	104.3	61.4	93.3	61.8	81.9	60.4
Beck's Hybrids	Beck 135	S	107.5	2	60.9	39	114.4	59.9	102.5	60.7	105.6	62.1
BioTown Seeds	Diener 492W	F	90.4	36	59.6	35	98.8	59.5	85.8	59.5	86.7	59.8
BioTown Seeds	Diener 506	F	93.3	27	59.6	39	101.1	58.8	82.9	59.7	95.9	60.3
Cappel Certified Seed	EXCEL 242	N	84.8	54	60.7	39	95.0	61.2	81.6	61.0	77.8	59.9
Cappel Certified Seed	EXCEL 350	N	87.9	43	61.0	39	99.2	60.5	80.2	61.4	84.3	61.1
DeRaedt Seed	DeRaedt 11	C	96.1	14	59.5	34	107.6	59.6	90.3	59.4	90.3	59.4
DeRaedt Seed	DeRaedt 15	C	85.1	52	60.8	40	90.8	61.3	77.7	60.9	86.8	60.4
Direct Enterprises	Edge	M	80.0	64	61.3	40	93.6	61.5	75.0	61.3	71.3	61.0
Direct Enterprises	Quest	M	85.8	50	60.0	38	98.1	60.8	73.0	59.6	86.3	59.6
Direct Enterprises	Sienna	M	92.6	30	61.2	42	106.6	61.5	86.5	61.6	84.7	60.6
Dyna-Gro	9171	G	96.0	15	59.9	36	105.9	59.8	90.4	59.9	91.8	60.0
Dyna-Gro	9223	G	97.6	11	60.5	40	107.3	60.2	92.9	60.7	92.5	60.6
Excel Brands	EXCEL 161	C	77.8	69	61.5	38	88.7	62.5	*	*	73.1	60.5
Excel Brands	EXCEL 163	N	83.6	56	61.9	39	96.6	62.0	*	*	76.9	61.8
Excel Brands	EXCEL 166	N	79.2	66	61.8	40	90.1	61.8	68.9	62.1	78.8	61.5
Excel Brands	EXCEL 168	C	82.9	58	62.1	41	92.1	62.5	65.2	61.8	86.2	62.0
Excel Brands	EXCEL 337	N	77.9	68	61.5	36	85.3	62.0	72.7	61.2	75.7	61.3
Excel Brands	EXCEL 362	N	94.7	22	61.4	38	106.6	61.8	88.7	61.7	88.8	60.8
Green Valley Seed	GV 622	C	81.0	60	61.5	38	90.5	61.9	63.4	60.5	89.2	62.0
Green Valley Seed	GV 662	C	86.3	48	62.1	37	94.4	62.1	79.9	62.1	84.6	62.0
GROWMARK	FS 602	C	93.8	25	59.8	35	103.4	59.8	88.3	60.0	89.7	59.7
GROWMARK	FS 610	C	80.1	63	61.5	39	97.2	62.5	61.0	62.2	72.2	59.8
GROWMARK	FS 622	C	91.1	34	62.2	37	95.3	62.4	85.5	62.1	92.3	62.1
GROWMARK	FS 625	C	90.4	35	59.4	38	102.2	58.4	84.0	59.4	85.1	60.4
GROWMARK	FS 630	C	85.5	51	61.2	42	94.5	61.2	83.9	61.4	78.2	60.9
Kitchen Seed Company	KSC 408W	F	90.2	38	61.4	42	99.2	62.0	86.7	61.3	84.7	61.1
Kitchen Seed Company	KSC 409W	F	76.6	73	62.1	40	93.9	62.7	56.4	62.4	73.6	61.2
Kitchen Seed Company	KSC 410W	F	77.3	71	61.3	39	88.1	61.9	81.2	62.5	62.5	59.6
Lewis Hybrids	Lewis 829		95.5	19	61.1	42	103.9	61.2	93.4	61.4	89.3	60.6
Lewis Hybrids	Lewis 842		76.8	72	60.2	40	89.5	61.5	69.2	60.9	71.7	58.3
Merschman	Barbie VIII	G	100.4	5	60.7	35	108.2	60.6	96.5	61.0	96.7	60.4
Merschman	Bintee VIII	G	89.3	39	60.6	40	104.2	61.2	60.7	60.9	86.8	59.7
Merschman	Genie X	G	93.9	24	62.4	37	98.6	62.5	89.8	62.4	93.4	62.4
Merschman	Julie VII	C	78.5	67	62.4	41	84.7	62.3	77.7	63.0	73.0	61.9
Merschman	Katie XI	G	87.8	44	61.4	40	97.9	61.9	87.4	62.2	78.1	60.1
Merschman	Millie III	C	79.3	65	61.9	38	92.6	61.7	*	*	72.3	61.9
Monier Seed	MW 844	C	82.7	59	62.7	41	89.9	62.9	75.6	62.5	82.6	62.5
Monier Seed	MW 859	C	94.8	21	61.7	43	99.3	61.8	95.2	62.0	89.8	61.2
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	98.5	9	60.3	38	102.8	60.0	96.5	60.8	96.1	60.2
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R39	G	99.0	8	61.7	39	110.4	61.9	92.5	61.6	94.1	61.6
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	102.9	4	61.7	35	113.2	61.5	93.1	61.8	102.5	61.7
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R47	G	99.0	7	59.7	38	106.7	59.1	93.8	59.8	96.6	60.1
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	107.7	1	59.7	37	113.9	59.4	105.5	59.7	103.9	59.9
Pro Harvest	207	C	77.8	70	61.6	39	90.6	62.4	*	*	71.3	60.8
Pro Harvest	311	C	92.7	29	59.5	37	103.1	58.7	84.0	59.6	91.0	60.2
Pro Seed Genetics	PRO 200		89.2	40	62.6	41	103.5	62.5	84.0	63.0	80.2	62.1
Pro Seed Genetics	PRO 240		91.3	32	61.2	42	101.1	61.5	84.3	61.0	88.4	61.0
Pro Seed Genetics	PRO 260		86.7	45	60.7	38	101.6	60.5	67.9	60.4	90.5	61.1
Pro Seed Genetics	PRO 320A		98.0	10	61.6	43	103.4	61.5	95.1	61.9	95.6	61.4
Steyer Seeds	Heilman	F	92.0	31	61.3	42	106.0	61.6	84.2	61.7	85.8	60.7
Steyer Seeds	Kidwell	F	96.4	13	59.9	36	105.9	59.8	90.5	60.0	92.8	60.0
Sunstar Hybrids	S-1000	F	84.1	55	61.5	41	96.5	61.7	80.2	61.2	75.6	61.5
Sunstar Hybrids	S-1100	F	95.8	17	58.9	38	113.3	57.8	86.2	59.1	87.8	59.8
Sunstar Hybrids	S-1200	F	94.6	23	59.5	35	112.8	59.4	89.4	59.4	81.5	59.8
Sunstar Hybrids	S-950	F	86.6	46	60.8	40	95.9	61.3	83.5	61.1	80.3	59.9
Synergy Seeds	EXCEL 234	N	81.0	61	61.6	41	92.2	61.8	80.3	62.3	70.4	60.6
Synergy Seeds	EXCEL 442	N	91.1	33	61.3	42	97.4	61.3	91.1	61.5	85.0	61.1
Syngenta	SY 483	C	97.4	12	60.0	39	110.7	58.9	86.8	60.2	94.9	61.0
Syngenta	OAKES	F	83.1	57	62.5	38	92.0	62.4	64.4	62.8	93.0	62.4
Syngenta	OAKES Cruiser	C	84.9	53	62.6	38	100.4	62.8	71.3	62.6	83.2	62.5
Syngenta	SY 1526	F	76.1	74	60.6	42	86.0	60.2	75.6	61.3	66.8	60.3
Syngenta	SY 1526 Cruiser	C	80.7	62	60.9	40	89.1	60.7	78.0	61.4	75.0	60.6
Syngenta	W1104	F	99.5	6	60.7	38	107.5	60.7	94.3	60.5	96.7	60.8
Syngenta	W1104 Cruiser	C	104.5	3	60.4	38	111.8	60.3	102.2	60.7	99.4	60.2
Syngenta	W1377	F	86.4	47	63.1	41	93.3	63.2	84.2	63.2	81.8	62.9
Syngenta	W1377 Cruiser	C	89.0	42	62.8	41	96.1	62.8	81.1	62.7	89.7	63.0
Westbred	WB-700	F	89.2	41	60.5	40	98.0	59.9	88.0	61.0	81.6	60.7
	Trial Mean		89.4		61.2	39	99.7	61.2	83.1	61.3	85.3	61.0
	LSD, 10%		5.5		0.6	1	7.8	0.6	6.6	0.6	8.5	1.2
	CV, %		8.0		1.3	5	5.8	0.7	5.8	0.8	7.4	1.5

Averaged over four varieties in the Northern Region, seed treatment insecticide (Cruiser) increased yield by 3.5 bushels/acre.

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

Table 3. Results of the 2012 wheat variety trial at Dixon Springs, in far southeastern Illinois.

Company	Variety	ST ¹	Yield			Height	2-yr avg	3-yr avg
			Yield bu/ac	Rank 1 to 78	Test wt. lb/bu		2011-12 bu/ac	2010-12 bu/ac
AgriMAXX	412	C	63.4	33	58.9	32	71.6	
AgriMAXX	413	C	70.5	7	58.2	32	74.5	
AgriMAXX	415	C	64.5	29	60.4	31	66.0	
AgriMAXX	490	C	62.1	40	60.4	33	64.0	62.5
AgriMAXX	Exp 1220	C	58.9	50	61.3	33		
Beck's Hybrids	Beck 113	S	68.7	8	59.2	33	73.4	73.1
Beck's Hybrids	Beck 120	S	76.4	1	58.5	31		
Beck's Hybrids	Beck 126	S	58.7	51	57.7	32	64.0	
Beck's Hybrids	Beck 135	S	67.4	16	58.0	33	74.3	75.1
BioTown Seeds	Diener 492W	F	67.0	17	57.7	29	71.6	
BioTown Seeds	Diener 501	F	47.3	78	57.3	34		
Direct Enterprises	Edge	M	58.0	54	58.8	34		
Direct Enterprises	Quest	M	50.1	72	55.9	34	62.5	66.1
Direct Enterprises	Sienna	M	55.5	64	57.3	35	67.6	68.6
Dyna-Gro	9031	G	67.9	14	60.3	33	62.2	60.7
Dyna-Gro	9053	G	74.5	3	56.2	32	74.8	73.9
Dyna-Gro	9171	G	66.4	22	58.2	30	74.1	
Dyna-Gro	9223	G	71.6	5	57.4	34		
Excel Brands	EXCEL 161	C	66.8	18	61.3	34		
Excel Brands	EXCEL 163	N	53.2	68	60.6	32	60.7	
Excel Brands	EXCEL 166	N	62.7	37	59.7	35	67.0	
Excel Brands	EXCEL 362	N	50.0	73	58.7	33		
GROWMARK	FS 602	C	68.7	9	57.4	30	75.8	
GROWMARK	FS 605	C	63.8	31	60.1	35		
GROWMARK	FS 610	C	66.5	20	60.8	35	66.4	63.1
GROWMARK	FS 622	C	66.5	21	60.5	32	68.8	
GROWMARK	FS 625	C	65.0	28	55.9	32		
GROWMARK	FS 630	C	63.3	34	58.6	36	71.3	70.6
Hartke Seed	EXCEL 173	N	59.7	46	58.0	35	71.7	68.9
Hoffman Seed House	EXCEL 168	C	61.5	42	60.9	34	65.9	
Hoffman Seed House	EXCEL 337	C	65.4	25	58.8	32		
Hoffman Seed House	H7W10	C	62.1	39	60.2	31		
Hoffman Seed House	H7W11	C	57.0	59	57.7	30		
Hoffman Seed House	H7W12	C	56.3	60	58.9	32		
Kitchen Seed Company	KSC 408W	F	57.2	56	59.7	37	65.4	
Kitchen Seed Company	KSC 409W	F	65.5	24	60.5	36	65.3	62.5
Kitchen Seed Company	KSC 410W	F	50.7	70	58.3	33	53.4	57.1
Lewis Hybrids	Lewis 829		59.5	47	56.7	36		
Lewis Hybrids	Lewis 836		56.3	61	59.3	35		
Lewis Hybrids	Lewis 842		49.2	74	57.8	34	55.2	
Limagrain Cereal Seeds	LCS 3411	F	61.8	41	58.0	32		
Limagrain Cereal Seeds	LCS 4103	F	47.5	77	57.5	33		
Limagrain Cereal Seeds	LCS 4165	F	59.2	49	58.6	32		
Merschman	Barbie VIII	G	65.1	27	58.1	29		
Merschman	Bintee VIII	G	59.5	48	58.0	34		
Merschman	Genie X	G	70.9	6	61.1	31		
Merschman	Julie VII	C	56.0	62	60.2	36		
Merschman	Katie XI	G	49.0	75	57.3	35		
Merschman	Millie III	C	58.1	53	59.1	32		
Miller Bros. Seed and Fert.	EXCEL 180	N	62.5	38	59.6	33	58.9	59.7
Miller Bros. Seed and Fert.	EXCEL 242	N	52.3	69	58.6	34	62.1	63.8
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R32	G	57.1	58	59.1	33		
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	65.8	23	58.8	33	71.9	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	75.7	2	59.2	31	79.1	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	65.4	26	57.3	31	72.0	68.5
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R78	G	63.5	32	60.3	31	66.9	65.1
Pro Harvest	207	C	68.5	11	60.8	34	64.8	63.7
Pro Harvest	311	C	66.8	19	55.9	31		
Steyer Seeds	755W	F	68.6	10	60.8	33		
Steyer Seeds	Heilman	F	54.8	65	57.2	35		
Steyer Seeds	Hunker	F	58.2	52	56.9	31		
Steyer Seeds	Kidwell	F	68.4	12	58.2	30	71.0	
Sunstar Hybrids	S-1000	F	53.7	67	57.4	33		
Sunstar Hybrids	S-1100	F	67.5	15	55.8	33		
Sunstar Hybrids	S-1200	F	60.9	43	57.6	31	71.3	72.3
Sunstar Hybrids	S-950	F	47.9	76	57.7	33		
Syngenta	OAKES	F	62.9	36	60.5	32	67.7	
Syngenta	OAKES Cruiser	C	74.2	4	61.3	33	72.4	
Syngenta	SY 1526	F	50.4	71	55.3	33	55.7	
Syngenta	SY 1526 Cruiser	C	54.3	66	55.0	33	61.8	
Syngenta	W1104	F	57.1	57	55.8	32	64.4	65.9
Syngenta	W1104 Cruiser	C	68.2	13	56.4	31	76.1	
Syngenta	W1377	F	64.5	30	60.7	35		
Syngenta	W1377 Cruiser	C	60.1	45	60.5	36		
Virginia Crop Impr. Assoc.	Jamestown	F	57.3	55	62.2	31	61.0	58.6
Virginia Crop Impr. Assoc.	VA08W-176	F	60.4	44	60.5	32		
Virginia Crop Impr. Assoc.	VA08W-294	F	63.0	35	58.9	31		
Westbred	WB-700	F	55.7	63	57.0	36		
	Trial Mean		61.3		58.7	33	67.3	65.8
	LSD, 10%		7.3		1.0	2		
	CV, %		8.9		1.3	6		

Comparing four varieties at Dixon Springs, seed treatment insecticide (Cruiser) increased yield by 5.5 bushels/acre.

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

Table 4. Results of the 2012 wheat variety trial at Belleville, in southwestern 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			2011-12 bu/ac	2009,11,12 bu/ac
AgriMAXX	412	C	79.6	31	60.5	38	76.1	
AgriMAXX	413	C	83.2	18	58.5	34	80.4	
AgriMAXX	415	C	82.0	23	61.3	37	79.3	
AgriMAXX	490	C	76.4	43	60.2	37	71.9	
AgriMAXX	Exp 1220	C	79.3	32	61.4	38		
Beck's Hybrids	Beck 113	S	79.9	29	60.5	36	78.2	83.2
Beck's Hybrids	Beck 120	S	83.8	17	58.9	34		
Beck's Hybrids	Beck 126	S	76.8	41	60.2	43	78.2	
Beck's Hybrids	Beck 135	S	91.3	3	59.9	40	87.9	
BioTown Seeds	Diener 492W	F	81.0	27	58.4	34	79.8	
BioTown Seeds	Diener 501	F	63.1	73	59.8	39		
Direct Enterprises	Edge	M	69.2	64	60.2	39		
Direct Enterprises	Quest	M	66.0	71	60.0	38	65.4	
Direct Enterprises	Sienna	M	66.3	70	59.3	42	70.9	
Dyna-Gro	9031	G	81.8	26	61.5	39	80.2	
Dyna-Gro	9053	G	88.0	7	58.4	36	85.4	
Dyna-Gro	9171	G	84.4	13	59.1	34	80.8	
Dyna-Gro	9223	G	84.3	15	59.6	40		
Excel Brands	EXCEL 161	C	82.3	21	62.0	38		
Excel Brands	EXCEL 163	N	76.5	42	60.7	38	70.8	
Excel Brands	EXCEL 166	N	76.1	45	61.2	39	76.2	
Excel Brands	EXCEL 362	N	72.8	55	61.7	38		
GROWMARK	FS 602	C	79.8	30	59.1	36	78.7	
GROWMARK	FS 605	C	78.0	37	61.2	40		
GROWMARK	FS 610	C	79.1	33	61.9	38	81.6	84.3
GROWMARK	FS 622	C	75.7	46	61.2	35	76.1	
GROWMARK	FS 625	C	76.8	40	58.2	38		
GROWMARK	FS 630	C	75.0	49	60.3	42	76.4	
Hartke Seed	EXCEL 173	N	77.7	38	59.1	40	80.0	85.6
Hoffman Seed House	EXCEL 168	C	74.5	51	62.2	41	71.4	
Hoffman Seed House	EXCEL 337	C	72.1	57	60.7	37		
Hoffman Seed House	H7W10	C	76.8	39	61.6	36		
Hoffman Seed House	H7W11	C	75.3	48	60.7	36		
Hoffman Seed House	H7W12	C	67.2	69	60.9	36		
Kitchen Seed Company	KSC 408W	F	61.8	75	61.4	43	67.2	72.7
Kitchen Seed Company	KSC 409W	F	78.9	34	61.5	37	75.7	78.5
Kitchen Seed Company	KSC 410W	F	57.6	78	61.0	39	62.0	
Lewis Hybrids	Lewis 829		78.1	36	59.9	42		
Lewis Hybrids	Lewis 836		70.5	61	62.3	39		
Lewis Hybrids	Lewis 842		61.1	76	59.6	39	66.9	
Limagrain Cereal Seeds	LCS 3411	F	72.0	58	60.0	36		
Limagrain Cereal Seeds	LCS 4103	F	62.5	74	60.2	37		
Limagrain Cereal Seeds	LCS 4165	F	68.6	66	60.6	36		
Merschman	Barbie VIII	G	92.5	2	60.0	36		
Merschman	Bintee VIII	G	81.9	24	59.2	40		
Merschman	Genie X	G	80.2	28	60.9	36		
Merschman	Julie VII	C	74.5	50	62.4	40		
Merschman	Katie XI	G	70.0	63	61.8	40		
Merschman	Millie III	C	72.8	54	60.6	38		
Miller Bros. Seed and Fert.	EXCEL 180	N	75.6	47	60.0	39	74.8	82.7
Miller Bros. Seed and Fert.	EXCEL 242	N	71.5	60	60.8	40	75.1	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R32	G	85.3	11	62.1	37		
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	88.0	6	59.9	38	81.5	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	84.1	16	60.4	37	83.1	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	87.1	8	59.0	37	88.4	87.3
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R78	G	85.4	10	61.5	36	82.7	83.9
Pro Harvest	311	C	88.4	5	59.3	38		
Pro Harvest	MWS 207	C	78.2	35	61.5	38	75.4	
Steyer Seeds	755W	F	82.8	19	61.1	37		
Steyer Seeds	Heilman	F	69.1	65	59.8	41		
Steyer Seeds	Hunker	F	82.1	22	59.4	38		
Steyer Seeds	Kidwell	F	85.3	12	58.6	35	81.3	
Sunstar Hybrids	S-1000	F	68.6	67	60.1	40		
Sunstar Hybrids	S-1100	F	90.3	4	59.3	37		
Sunstar Hybrids	S-1200	F	84.4	14	59.3	34	84.4	
Sunstar Hybrids	S-950	F	70.5	62	60.7	40		
Syngenta	OAKES	F	76.3	44	62.2	37	73.2	
Syngenta	OAKES Cruiser	C	86.2	9	61.8	37	84.8	
Syngenta	SY 1526	F	59.1	77	56.6	38	60.5	
Syngenta	SY 1526 Cruiser	C	73.0	53	57.8	38	75.3	
Syngenta	W1104	F	82.8	20	59.2	37	80.2	83.1
Syngenta	W1104 Cruiser	C	92.7	1	59.7	38	84.2	
Syngenta	W1377	F	68.4	68	62.3	40		
Syngenta	W1377 Cruiser	C	73.6	52	62.2	40		
Virginia Crop Impr. Assoc.	Jamestown	F	72.6	56	61.6	35	74.5	76.3
Virginia Crop Impr. Assoc.	VA08W-176	F	64.7	72	60.2	37		
Virginia Crop Impr. Assoc.	VA08W-294	F	81.9	25	60.6	36		
Westbred	WB-700	F	71.8	59	58.7	39		
	Trial Mean		77.1		60.5	38	77.0	81.0
	LSD, 10%		6.4		0.6	2		
	CV, %		6.2		0.7	3		

Averaged over four entries compared at this location, seed treatment insecticide (Cruiser) increased yield by 9.8 bushels/acre.

¹ST- Seed Treatment: C= Cruiser+Fungicide, F= Fungicide, G= Gauch+ fungicide, M=Macho+Fungicide, N= Encase+Fungicide, S= Escalate+Fungicide.

Table 5. Results of the 2012 wheat variety trial at Brownstown, in south central Illinois.

Company	Variety	ST ¹	Yield			2-yr avg 2011-12	3-yr avg 2010-12
			Yield bu/ac	Rank 1 to 78	Test wt. lb/bu		
AgriMAXX	412	C	91.5	27	61.7	35	83.1
AgriMAXX	413	C	101.7	6	59.9	35	94.8
AgriMAXX	415	C	81.2	54	62.2	38	81.0
AgriMAXX	490	C	87.8	34	61.6	37	80.9
AgriMAXX	Exp 1220	C	84.1	40	60.2	41	76.5
Beck's Hybrids	Beck 113	S	103.9	2	61.3	37	93.0
Beck's Hybrids	Beck 120	S	98.5	11	59.5	36	87.4
Beck's Hybrids	Beck 126	S	93.6	21	60.9	43	87.3
Beck's Hybrids	Beck 135	S	95.3	17	60.2	40	87.8
BioTown Seeds	Diener 492W	F	95.4	16	59.6	35	91.8
BioTown Seeds	Diener 501	F	69.3	75	59.7	40	
Direct Enterprises	Edge	M	81.9	51	60.9	41	
Direct Enterprises	Quest	M	79.9	60	59.7	40	77.2
Direct Enterprises	Sienna	M	82.1	50	60.9	41	81.0
Dyna-Gro	9031	G	83.2	45	63.1	40	81.0
Dyna-Gro	9053	G	101.0	9	59.3	40	84.7
Dyna-Gro	9171	G	102.0	5	59.6	35	93.8
Dyna-Gro	9223	G	101.4	7	59.9	40	
Excel Brands	EXCEL 161	C	83.0	46	63.0	39	
Excel Brands	EXCEL 163	N	84.0	41	61.5	37	78.1
Excel Brands	EXCEL 166	N	88.9	32	62.2	39	87.0
Excel Brands	EXCEL 362	N	78.7	66	61.1	39	
GROWMARK	FS 602	C	94.0	19	59.4	35	91.5
GROWMARK	FS 605	C	83.2	44	62.1	41	
GROWMARK	FS 610	C	83.7	43	62.8	41	84.4
GROWMARK	FS 622	C	81.2	53	61.9	39	78.9
GROWMARK	FS 625	C	89.6	31	59.3	38	
GROWMARK	FS 630	C	85.8	38	61.0	42	80.0
Hartke Seed	EXCEL 173	N	85.7	39	60.3	38	87.7
Hoffman Seed House	EXCEL 168	C	86.3	36	63.0	42	82.7
Hoffman Seed House	EXCEL 337	C	87.1	35	62.0	38	
Hoffman Seed House	H7W10	C	77.4	70	61.9	36	
Hoffman Seed House	H7W11	C	82.1	49	61.7	37	
Hoffman Seed House	H7W12	C	78.9	65	62.0	36	
Kitchen Seed Company	KSC 408W	F	74.4	71	61.1	42	72.9
Kitchen Seed Company	KSC 409W	F	81.1	55	62.8	40	80.4
Kitchen Seed Company	KSC 410W	F	67.3	78	60.9	38	71.0
Lewis Hybrids	Lewis 829		93.7	20	61.1	43	69.7
Lewis Hybrids	Lewis 836		79.6	61	62.9	40	
Lewis Hybrids	Lewis 842		69.0	77	60.3	39	73.4
Limagrain Cereal Seeds	LCS 3411	F	83.9	42	61.6	37	
Limagrain Cereal Seeds	LCS 4103	F	69.3	76	59.5	38	
Limagrain Cereal Seeds	LCS 4165	F	78.7	67	61.8	37	
Merschman	Barbie VIII	G	101.3	8	60.8	35	
Merschman	Bintee VIII	G	98.4	12	60.1	39	
Merschman	Genie X	G	79.2	62	62.2	37	
Merschman	Julie VII	C	79.0	63	62.8	40	
Merschman	Katie XI	G	70.7	74	60.3	39	
Merschman	Millie III	C	79.9	59	61.8	38	
Miller Bros. Seed and Fert.	EXCEL 180	N	85.9	37	61.3	38	82.8
Miller Bros. Seed and Fert.	EXCEL 242	N	73.2	73	60.4	39	77.2
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R32	G	91.2	29	62.5	39	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	95.5	15	60.7	40	87.9
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	92.8	24	61.5	37	84.2
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	109.2	1	59.8	38	97.8
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R78	G	93.4	23	61.8	37	86.3
Pro Harvest	207	C	82.4	48	62.7	41	79.5
Pro Harvest	311	C	95.5	14	59.4	37	77.3
Steyer Seeds	755W	F	82.7	47	61.8	37	
Steyer Seeds	Heilman	F	94.2	18	60.8	43	
Steyer Seeds	Hunker	F	92.6	25	59.7	39	
Steyer Seeds	Kidwell	F	97.5	13	59.5	36	90.2
Sunstar Hybrids	S-1000	F	87.8	33	61.0	42	
Sunstar Hybrids	S-1100	F	103.7	3	59.7	37	
Sunstar Hybrids	S-1200	F	99.2	10	59.7	34	92.9
Sunstar Hybrids	S-950	F	80.0	57	60.4	39	90.3
Syngenta	OAKES	F	81.8	52	62.3	38	80.7
Syngenta	OAKES Cruiser	C	90.6	30	62.7	39	84.4
Syngenta	SY 1526	F	77.8	69	58.9	40	73.6
Syngenta	SY 1526 Cruiser	C	93.6	22	60.1	41	84.6
Syngenta	W1104	F	91.9	26	58.9	38	81.3
Syngenta	W1104 Cruiser	C	103.6	4	59.9	38	77.6
Syngenta	W1377	F	73.9	72	61.9	41	86.2
Syngenta	W1377 Cruiser	C	80.0	58	61.5	41	
Virginia Crop Impr. Assoc.	Jamestown	F	78.9	64	61.6	34	75.7
Virginia Crop Impr. Assoc.	VA08W-176	F	77.9	68	61.6	40	69.0
Virginia Crop Impr. Assoc.	VA08W-294	F	91.5	28	61.5	38	
Westbred	WB-700	F	80.3	56	59.7	40	
	Trial Mean		87.1		61.2	39	83.7
	LSD, 10%		7.3		1.1	2	78.3
	CV, %		6.2		1.3	3	

Averaged over four entries compared at Brownstown, seed treatment insecticide (Cruiser) increased yield by 10.6 bushels/acre.

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

Table 6. Results of the 2012 wheat variety trial at Perry, in western Illinois.

Company	Variety	ST ¹	Yield bu/ac	Yield			2-yr avg 2011-12 bu/ac	3-yr avg 2010-12 bu/ac
				Rank 1 to 74	Test wt. lb/bu	Height in.		
AgriMAXX	413	C	97.5	45	59.0	36		
AgriMAXX	Exp 1215	C	108.3	9	59.2	39		
Agrinetics	EXCEL 180	N	99.6	36	61.8	41	86.8	84.9
Agrinetics	EXCEL 442	F	99.9	35	61.6	44	83.1	85.2
Beck's Hybrids	Beck 113	S	101.3	31	62.4	37	92.4	85.6
Beck's Hybrids	Beck 120	S	104.8	20	59.5	36		
Beck's Hybrids	Beck 126	S	104.3	21	61.4	42	89.6	
Beck's Hybrids	Beck 135	S	114.4	1	59.9	39	99.5	94.4
BioTown Seeds	Diener 492W	F	98.8	40	59.5	35	84.5	
BioTown Seeds	Diener 506	F	101.1	33	58.8	38		
Cappel Certified Seed	EXCEL 242	N	95.0	53	61.2	40	89.2	86.9
Cappel Certified Seed	EXCEL 350	N	99.2	39	60.5	39		
DeRaedt Seed	DeRaedt 11	C	107.6	11	59.6	34	90.4	
DeRaedt Seed	DeRaedt 15	C	90.8	63	61.3	42		
Direct Enterprises	Edge	M	93.6	57	61.5	40		
Direct Enterprises	Quest	M	98.1	42	60.8	40	81.2	80.3
Direct Enterprises	Sienna	M	106.6	15	61.5	43	94.3	90.9
Dyna-Gro	9171	G	105.9	18	59.8	36		
Dyna-Gro	9223	G	107.3	13	60.2	41		
Excel Brands	EXCEL 161	C	88.7	70	62.5	40		
Excel Brands	EXCEL 163	N	96.6	48	62.0	39		
Excel Brands	EXCEL 166	N	90.1	66	61.8	40	84.4	
Excel Brands	EXCEL 168	C	92.1	61	62.5	41	83.5	
Excel Brands	EXCEL 337	N	85.3	73	62.0	38		
Excel Brands	EXCEL 362	N	106.6	16	61.8	39		
Green Valley Seed	GV 622	C	90.5	65	61.9	40		
Green Valley Seed	GV 662	C	94.4	55	62.1	38	83.5	
GROWMARK	FS 602	C	103.4	26	59.8	35		
GROWMARK	FS 610	C	97.2	47	62.5	40	86.4	84.9
GROWMARK	FS 622	C	95.3	52	62.4	37	84.2	
GROWMARK	FS 625	C	102.2	29	58.4	39		
GROWMARK	FS 630	C	94.5	54	61.2	41	85.3	82.5
Kitchen Seed Company	KSC 408W	F	99.2	38	62.0	45	81.6	
Kitchen Seed Company	KSC 409W	F	93.9	56	62.7	41	81.1	81.0
Kitchen Seed Company	KSC 410W	F	88.1	71	61.9	40	73.6	77.9
Lewis Hybrids	Lewis 829		103.9	23	61.2	43		
Lewis Hybrids	Lewis 842		89.5	68	61.5	42	80.8	
Merschman	Barbie VIII	G	108.2	10	60.6	35		
Merschman	Bintee VIII	G	104.2	22	61.2	42		
Merschman	Genie X	G	98.6	41	62.5	38		
Merschman	Julie VII	C	84.7	74	62.3	43		
Merschman	Katie XI	G	97.9	44	61.9	41		
Merschman	Millie III	C	92.6	59	61.7	40		
Monier Seed	MW 844	C	89.9	67	62.9	41		
Monier Seed	MW 859	C	99.3	37	61.8	44	79.0	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	102.8	28	60.0	38	89.9	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R39	G	110.4	8	61.9	40	91.1	81.7
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	113.2	4	61.5	36	96.2	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R47	G	106.7	14	59.1	38	95.8	91.5
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	113.9	2	59.4	38	93.3	87.7
Pro Harvest	207	C	90.6	64	62.4	41	79.9	81.2
Pro Harvest	311	C	103.1	27	58.7	38		
Pro Seed Genetics	PRO 200		103.5	24	62.5	44	92.8	87.6
Pro Seed Genetics	PRO 240		101.1	32	61.5	41	84.6	82.3
Pro Seed Genetics	PRO 260		101.6	30	60.5	38	91.7	
Pro Seed Genetics	PRO 320A		103.4	25	61.5	44	90.4	90.6
Steyer Seeds	Heilman	F	106.0	17	61.6	43		
Steyer Seeds	Kidwell	F	105.9	19	59.8	36	88.1	
Sunstar Hybrids	S-1000	F	96.5	49	61.7	42		
Sunstar Hybrids	S-1100	F	113.3	3	57.8	39		
Sunstar Hybrids	S-1200	F	112.8	5	59.4	37	94.9	90.3
Sunstar Hybrids	S-950	F	95.9	51	61.3	42		
Synergy Seeds	EXCEL 234	N	92.2	60	61.8	41		
Synergy Seeds	EXCEL 442	N	97.4	46	61.3	44	81.1	83.9
Syngenta	OAKES	F	92.0	62	62.4	40	82.0	
Syngenta	OAKES Cruiser	C	100.4	34	62.8	40	84.4	
Syngenta	SY 1526	F	86.0	72	60.2	44	77.3	
Syngenta	SY 1526 Cruiser	C	89.1	69	60.7	40	82.4	
Syngenta	SY 483	C	110.7	7	58.9	40		
Syngenta	W1104	F	107.5	12	60.7	37	91.3	90.0
Syngenta	W1104 Cruiser	C	111.8	6	60.3	38	99.2	
Syngenta	W1377	F	93.3	58	63.2	42		
Syngenta	W1377 Cruiser	C	96.1	50	62.8	42		
Westbred	WB-700	F	98.0	43	59.9	41		
	Trial Mean		99.7		61.2	40	86.7	85.4
	LSD, 10%		7.8		0.6	2		
	CV, %		5.8		0.7	4		

Averaged over four entries compared at Perry, seed treatment insecticide (Cruiser) increased yield by 4.7 bushels/acre.

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

Table 7. Results of the 2012 wheat variety trial at Urbana, in east central Illinois.

Company	Variety	ST ¹	Yield				2-yr avg	3-yr avg
			Yield bu/ac	Rank 1 to 70	Test wt. lb/bu	Height in.	2011-12 bu/ac	2010-12 bu/ac
AgriMAXX	413	C	88.1	25	60.0	35		
AgriMAXX	Exp 1215	C	79.0	51	59.6	37		
Agrinetics	EXCEL 180	N	62.0	67	59.1	38	76.8	81.6
Agrinetics	EXCEL 442	F	92.2	15	61.9	42	86.6	88.2
Beck's Hybrids	Beck 113	S	87.8	27	62.6	37	91.0	93.1
Beck's Hybrids	Beck 120	S	89.3	22	59.7	34		
Beck's Hybrids	Beck 126	S	93.3	11	61.8	42	96.2	
Beck's Hybrids	Beck 135	S	102.5	2	60.7	39	101.5	99.9
BioTown Seeds	Diener 492W	F	85.8	33	59.5	35	89.3	
BioTown Seeds	Diener 506	F	82.9	43	59.7	40		
Cappel Certified Seed	EXCEL 242	N	81.6	44	61.0	39	88.2	89.3
Cappel Certified Seed	EXCEL 350	N	80.2	49	61.4	37		
DeRaedt Seed	DeRaedt 11	C	90.3	19	59.4	34	91.5	
DeRaedt Seed	DeRaedt 15	C	77.7	54	60.9	37		
Direct Enterprises	Edge	M	75.0	57	61.3	38		
Direct Enterprises	Quest	M	73.0	58	59.6	37	79.9	82.5
Direct Enterprises	Sienna	M	86.5	31	61.6	41	92.5	91.9
Dyna-Gro	9171	G	90.4	18	59.9	35		
Dyna-Gro	9223	G	92.9	13	60.7	38		
Excel Brands	EXCEL 166	N	68.9	62	62.1	41	77.1	
Excel Brands	EXCEL 168	C	65.2	64	61.8	40	76.1	
Excel Brands	EXCEL 337	N	72.7	59	61.2	35		
Excel Brands	EXCEL 362	N	88.7	23	61.7	37		
Green Valley Seed	GV 622	C	63.4	66	60.5	37		
Green Valley Seed	GV 662	C	79.9	50	62.1	35	84.5	
GROWMARK	FS 602	C	88.3	24	60.0	34		
GROWMARK	FS 610	C	61.0	68	62.2	38	75.5	81.8
GROWMARK	FS 622	C	85.5	34	62.1	36	90.4	
GROWMARK	FS 625	C	84.0	38	59.4	37		
GROWMARK	FS 630	C	83.9	41	61.4	43	84.8	87.8
Kitchen Seed Company	KSC 408W	F	86.7	30	61.3	40	85.7	
Kitchen Seed Company	KSC 409W	F	56.4	70	62.4	40	70.5	78.1
Kitchen Seed Company	KSC 410W	F	81.2	45	62.5	39	81.7	87.5
Lewis Hybrids	Lewis 829		93.4	10	61.4	41		
Lewis Hybrids	Lewis 842		69.2	61	60.9	37	83.0	
Merschman	Barbie VIII	G	96.5	4	61.0	34		
Merschman	Bintee VIII	G	60.7	69	60.9	38		
Merschman	Genie X	G	89.8	20	62.4	37		
Merschman	Julie VII	C	77.7	53	63.0	41		
Merschman	Katie XI	G	87.4	28	62.2	40		
Monier Seed	MW 844	C	75.6	55	62.5	42		
Monier Seed	MW 859	C	95.2	6	62.0	43	92.0	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	96.5	5	60.8	38	93.8	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R39	G	92.5	14	61.6	38	93.3	91.9
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	93.1	12	61.8	34	92.5	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R47	G	93.8	9	59.8	37	92.9	95.0
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	105.5	1	59.7	36	102.3	98.7
Pro Harvest	311	C	84.0	39	59.6	36		
Pro Seed Genetics	PRO 200		84.0	40	63.0	38	86.2	88.2
Pro Seed Genetics	PRO 240		84.3	35	61.0	42	88.0	88.3
Pro Seed Genetics	PRO 260		67.9	63	60.4	37	77.5	
Pro Seed Genetics	PRO 320A		95.1	7	61.9	44	92.8	93.0
Steyer Seeds	Heilman	F	84.2	36	61.7	40		
Steyer Seeds	Kidwell	F	90.5	17	60.0	34	92.2	
Sunstar Hybrids	S-1000	F	80.2	48	61.2	38		
Sunstar Hybrids	S-1100	F	86.2	32	59.1	37		
Sunstar Hybrids	S-1200	F	89.4	21	59.4	34	91.2	93.9
Sunstar Hybrids	S-950	F	83.5	42	61.1	37		
Synergy Seeds	EXCEL 234	N	80.3	47	62.3	42		
Synergy Seeds	EXCEL 442	N	91.1	16	61.5	41	94.1	93.2
Syngenta	OAKES	F	64.4	65	62.8	36	75.3	
Syngenta	OAKES Cruiser	C	71.3	60	62.6	38	80.2	
Syngenta	SY 1526	F	75.6	56	61.3	39	82.0	
Syngenta	SY 1526 Cruiser	C	78.0	52	61.4	39	86.6	
Syngenta	SY 483	C	86.8	29	60.2	38		
Syngenta	W1104	F	94.3	8	60.5	38	94.8	94.6
Syngenta	W1104 Cruiser	C	102.2	3	60.7	37	102.9	
Syngenta	W1377	F	84.2	37	63.2	40		
Syngenta	W1377 Cruiser	C	81.1	46	62.7	39		
Westbred	WB-700	F	88.0	26	61.0	40		
	Trial Mean		78.0		57.5	36	87.1	89.2
	LSD, 10%		6.6		0.6	2		
	CV, %		5.8		0.8	4		

Averaged over four entries compared at Urbana, seed treatment insecticide (Cruiser) increased yield by 3.5 bushels/acre.

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

Table 8. Results of the 2012 wheat variety trial at DeKalb, in north central Illinois.

Company	Variety	ST ¹	Yield bu/ac	Yield Rank 1 to 74	Test wt. lb/bu	Height in.	2-yr avg	3-yr avg
							2011.12 bu/ac	2009.11.12 bu/ac
AgriMAXX	413	C	85.2	40	59.4	34		
AgriMAXX	Exp 1215	C	94.0	14	59.9	37		
Agrinetics	EXCEL 180	N	84.8	43	62.1	40	83.3	91.3
Agrinetics	EXCEL 442	F	92.8	17	61.3	41	90.5	98.1
Beck's Hybrids	Beck 113	S	98.4	5	62.5	38	97.4	
Beck's Hybrids	Beck 120	S	92.5	19	60.0	35		
Beck's Hybrids	Beck 126	S	81.9	50	60.4	42	87.1	
Beck's Hybrids	Beck 135	S	105.6	1	62.1	39	97.0	
BioTown Seeds	Diener 492W	F	86.7	36	59.8	34	86.7	
BioTown Seeds	Diener 506	F	95.9	10	60.3	40		
Cappel Certified Seed	EXCEL 242	N	77.8	59	59.9	39	85.2	
Cappel Certified Seed	EXCEL 350	N	84.3	47	61.1	40		
DeRaedt Seed	DeRaedt 11	C	90.3	25	59.4	34	86.7	
DeRaedt Seed	DeRaedt 15	C	86.8	35	60.4	40		
Direct Enterprises	Edge	M	71.3	71	61.0	41		
Direct Enterprises	Quest	M	86.3	37	59.6	36	85.4	
Direct Enterprises	Sienna	M	84.7	44	60.6	41	91.3	
Dyna-Gro	9171	G	91.8	22	60.0	37		
Dyna-Gro	9223	G	92.5	20	60.6	39		
Excel Brands	EXCEL 161	C	73.1	65	60.5	37		
Excel Brands	EXCEL 163	N	76.9	60	61.8	39		
Excel Brands	EXCEL 166	N	78.8	56	61.5	40	79.3	
Excel Brands	EXCEL 168	C	86.2	38	62.0	42	81.8	
Excel Brands	EXCEL 337	N	75.7	61	61.3	35		
Excel Brands	EXCEL 362	N	88.8	31	60.8	38		
Green Valley Seed	GV 622	C	89.2	30	62.0	38		
Green Valley Seed	GV 662	C	84.6	46	62.0	38	86.9	
GROWMARK	FS 602	C	89.7	28	59.7	34		
GROWMARK	FS 610	C	72.2	68	59.8	38	78.9	86.9
GROWMARK	FS 622	C	92.3	21	62.1	37	90.4	
GROWMARK	FS 625	C	85.1	41	60.4	40		
GROWMARK	FS 630	C	78.2	57	60.9	42	82.9	
Kitchen Seed Company	KSC 408W	F	84.7	45	61.1	42	87.9	95.5
Kitchen Seed Company	KSC 409W	F	73.6	64	61.2	40	79.0	87.6
Kitchen Seed Company	KSC 410W	F	62.5	74	59.6	39	70.3	
Lewis Hybrids	Lewis 829		89.3	29	60.6	41		
Lewis Hybrids	Lewis 842		71.7	69	58.3	40	76.5	
Merschman	Barbie VIII	G	96.7	7	60.4	36		
Merschman	Bintee VIII	G	86.8	34	59.7	39		
Merschman	Genie X	G	93.4	15	62.4	38		
Merschman	Julie VII	C	73.0	66	61.9	38		
Merschman	Katie XI	G	78.1	58	60.1	39		
Merschman	Millie III	C	72.3	67	61.9	37		
Monier Seed	MW 844	C	82.6	49	62.5	40		
Monier Seed	MW 859	C	89.8	26	61.2	42	90.1	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R34	G	96.1	9	60.2	38	92.1	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R39	G	94.1	13	61.6	39	98.3	99.0
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R40	G	102.5	3	61.7	36	98.2	
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R47	G	96.6	8	60.1	38	95.1	98.7
Pioneer Hi-Bred Int'l, Inc.	Pioneer 25R62	G	103.9	2	59.9	38	91.3	89.9
Pro Harvest	311	C	91.0	23	60.2	38		
Pro Harvest	207	C	71.3	70	60.8	38	75.5	
Pro Seed Genetics	PRO 200		80.2	55	62.1	43	81.3	89.5
Pro Seed Genetics	PRO 240		88.4	32	61.0	43	87.5	90.9
Pro Seed Genetics	PRO 260		90.5	24	61.1	39	97.2	
Pro Seed Genetics	PRO 320A		95.6	11	61.4	41	94.0	
Steyer Seeds	Heilman	F	85.8	39	60.7	42		
Steyer Seeds	Kidwell	F	92.8	18	60.0	36	92.6	
Sunstar Hybrids	S-1000	F	75.6	62	61.5	42		
Sunstar Hybrids	S-1100	F	87.8	33	59.8	37		
Sunstar Hybrids	S-1200	F	81.5	53	59.8	33	83.8	
Sunstar Hybrids	S-950	F	80.3	54	59.9	41		
Synergy Seeds	EXCEL 234	N	70.4	72	60.6	39		
Synergy Seeds	EXCEL 442	N	85.0	42	61.1	41	90.2	98.0
Syngenta	OAKES	F	93.0	16	62.4	39	91.8	
Syngenta	OAKES Cruiser	C	83.2	48	62.5	37	86.7	
Syngenta	SY 1526	F	66.8	73	60.3	41	70.7	
Syngenta	SY 1526 Cruiser	C	75.0	63	60.6	41	85.0	
Syngenta	SY 483	C	94.9	12	61.0	38		
Syngenta	W1104	F	96.7	6	60.8	40	92.0	97.6
Syngenta	W1104 Cruiser	C	99.4	4	60.2	38	98.6	
Syngenta	W1377	F	81.8	51	62.9	40		
Syngenta	W1377 Cruiser	C	89.7	27	63.0	42		
Westbred	WB-700	F	81.6	52	60.7	40		
	Trial Mean		85.3		61.0	39	86.8	92.8
	LSD, 10%		8.5		1.2	3		
	CV, %		7.4		1.5	5		

Averaged over four entries compared at DeKalb, seed treatment insecticide (Cruiser) increased yield by 2.2 bushels/acre.

¹ST- 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	E	M	E	I	MR	MR
	413	V	E	B	E	MS	E	I	MR	MR
	415	V	M	B	E	M	E	I	MR	MR
	490	V	VE	B	E	M	E	I	MR	MR
	EXP 1220	V	VE	S	E	S	E	I	MS	MR
	EXP 1215	V	ML	S	E	M	E	I	MS	MR
Agrinetics Inc	EXCEL 180	V	E	S	VG	M	G	I	MR	MR
	EXCEL 442	V	M	B	E	MT	VG	I	R	MR
Beck's Hybrids	113	V	ME	S	E	M	E	MR	I	I
	120	V	ME	B	E	S	E	MR	MR	I
	126	V	M	S	E	T	VG	MR	MR	MR
	135	V	M	B	E	M	VG	MR	MR	MR
BioTown Seeds	492	V	ME	B	VG	S	E	I	I	MS
	501	V	M	S	VG	M	VG	I	I	I
	506	V	ML	S	E	M	VG	I	MR	I
Cappel Certified Seed	EXCEL 242	V	M	S	VG	M	E	I	MS	MR
	EXCEL 355	V	ML	S	VG	M	E	I	MS	MS
DeRaedt Seed	11	V	ME	B	E	MS	E		I	MR
	15	V	ML	S	VG	MS	E	I	MS	MS
Direct Enterprises	Sienna	V	ME	S	E	T	E	S	MR	MR
	Quest	V	ME	S	E	M	E	S	MR	MR
	Edge	V	M	S	E	M	E	S	MR	MR
Dyna-Gro Seed	9031	V	E	S	G	M	G	S	MS	MS
	9171	V	ME	B	VG	S	E	S	MR	MS
	9053	V	ML	B	VG	M	VG	S	MS	MR
	9223	V	ML	S	VG	MT	VG	S	MS	MR
Excel Brand Seed	EXCEL 161	V	VE	S	G	M	G	I	MS	MR
	EXCEL 163	V	VE	B	VG	M	G	I	MR	MR
	EXCEL 166	V	VE	S	G	M	VG	I	MR	MR
	EXCEL 168	V	E	S	G	M	G	I	MR	MR
	EXCEL 337	V	M	S	E	M	VG	I	MR	MR
	EXCEL 362	V	M	S	VG	M	E	I	MS	MR
FS Seeds	FS 602	V	ME	B	E	S	E	S	MR	MR
	FS 605	V	E	S	E	M	E	S	MR	R
	FS 610	V	E	S	VG	T	VG	S	MS	MR
	FS 622	V	M	B	E	M	E	S	MR	MR
	FS 625	V	M	S	E	M	VG	S	MS	I
	FS 630	V	M	S	E	T	G	S	MR	MR
Green Valley Seed	GV 622	H	ME	S	E	M	E	S	I	I
	GV 662	H	M	B	E	M	E	S	I	I
Hartke Seed Farms	EXCEL 163	V	VE	B	VG	M	G	I	MR	MR
	EXCEL 173	V	E	S	G	M	G	I	MR	MR
Hoffman Seed House	EXCEL 168	V	M	S	E	M	VG	I	MR	MR
	EXCEL 337	V	E	S	G	M	G	I	MR	MR
	H7W10	V	M	A	E	M	E		MR	I
	H7W11	V	E	S	VG	M	VG		MR	MR
	H7W12	V	ME	S	VG	M	VG		MR	MR
Kitchen Seed Company	KSC 408W	V	ML	B	E	M	G	I	MR	MR
	KSC 409W	V	M	S	E	M	G	I	MR	MR
	KSC 410W	V	M	S	E	M	E	I	MR	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>
Lewis Hybrids	829	V	ME	S	E	M	E	I	R	M
	836	V	E	S	VG	M	VG	I	MR	M
	842	V	M	S	E	M	E	I	R	MR
Limagrain Cereal Seeds	LCS 3411	V	M	S	VG	M	VG		I	MR
	LCS 4103	V	ML	S	VG	T	VG		MS	MR
	LCS 4165	V	M	S	VG	M	VG		I	I
Merschman Seeds, Inc.	Genie X	V	M	A	E	M	E	S	MR	MR
	Barbie VIII	V	M	A	E	S	E	S	MR	MR
	Katie XI	V	M	S	E	M	E	S	R	MR
	Julie VII	V	E	S	E	S	E	S	MR	MR
	Millie III	V	E	A	E	S	E	S	MR	MR
	Bintee VIII	V	E	S	E	M	E	S	MR	MR
Miller Bros. Seed & Fertilizer	EXCEL 180	V	E	S	E	M	VG	I	MR	MS
	EXCEL 242	V	M	S	VG	M	E	I	MS	MR
Moiner Seed	MW 844	V	E	S	VG	M	G		VG	E
	MW 859	V	ML	B	E	T	VG		G	G
Pioneer Hi-Bred Int'l, Inc.	PIONEER 25R32	V	M	B	VG	M	G	R	I	I
	PIONEER 25R34	V	ML	B	E	M	VG	R	MR	MR
	PIONEER 25R39	V	ML	S	VG	M	G	S	R	MR
	PIONEER 25R40	V	ML	B	G	S	E	S	R	MR
	PIONEER 25R47	V	M	B	E	S	VG	S	R	MR
	PIONEER 25R62	V	ME	B	VG	S	E	S	MS	MS
	PIONEER 25R78	V	ME	B	G	S	E	MR	R	MS
Pro Harvest Seeds Inc.	Pro Harvest 207	V	ME	S	E	M	VG	I	MS	MR
	Pro Harvest 311	V	M	S	VG	M	VG	I	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		S						
	PRO 320A	V		B	G	M	VG		MR	MR
Steyer Seeds	755W	V	M	B	VG	M	E	S	MS	MR
	Kidwell	V	ME	B	VG	S	E	S	MR	MR
	Heilman	V	ME	S	VG	T	E	S	R	MR
	Hunker	V	ML	S	VG	M	VG	S	MS	MR
Sunstar Hybrids	S-950	V	ME	S	E	M	E		I	R
	S-1000	V	ME	S	E	M	VG		I	MS
	S-1100	V	M	S	E	M	VG		I	R
	S-1200	V	ME	B	E	M	E		I	R
Synergy Seeds	EXCEL 234	V	ME	S	E	M	VG	I	MR	MS
	EXCEL 442	V	M	B	E	MT	VG	I	R	MR
Syngenta	Oakes	V	M	S	G	MT	G		MR	MR
	SY 483	V	M	S	G	M	G		MR	MR
	SY 1526	V	ME	S	VG	MT	G		MR	I
	W1104	V	M	S	VG	M	G		MS	MR
	W 1377	V	M	S	VG	M	G		MS	MR
Virginia Tech	Jamestown	V	ME	B	VG	S	VG	R	MR	
	VA08W-176		M							
	VA08W-294		M							
Westbred	WB-700	V	M	T	E	M	E		I	I

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)

Winterhardness 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