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## 2005 Winter Wheat Variety Results

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Winter wheat yields were good to poor throughout Wisconsin this year. Growers in the some parts of the state have reported whole field yields in excess of 80 bu/acre and good test weights without significant lodging. In other areas winter kill was extreme for some of the varieties and yields were severely affected as shown in the attached tables as a percent winter survival score.

The 2005 performance trials included public varieties, experimental, and commercial entries. Trials were conducted at Arlington, Janesville, Racine, and Chilton. All varieties were treated with a fungicide seed treatment. Two year means are included for all entries tested in 2004 and 2005.

We thank you for your continued interest in the Wisconsin Wheat Variety Trials. We also thank the WI Crop Improvement Association for sponsoring public entry of released and experimental public lines into our trials.

<http://soybean.uwex.edu/>

## 2005 Winter Wheat Variety Trial Results Arlington, Janesville, Racine, and Chilton WI.

Brand	Entry	Class <sup>2</sup>	2005 Combined Means				Arlington		Janesville		Racine		Chilton		2-Year <sup>1</sup>
			Yield	Winter Survival	Test Wt.	Height	Yield	Winter Survival	Yield	Winter Survival	Yield	Winter Survival	Yield	Winter Survival	Mean
			bu/a	%	lb/bu	in	bu/a	%	bu/a	%	bu/a	%	bu/a	%	bu/a
Public	Cardinal	SR	74.2 *	88	57.3	30	68.7	85	69.2 *	94	90.6 *	99	68.2	75	75.4 *
Public	Cecil	SR	71.3	82	57.4	29	73.7	94	68.3 *	89	78.6	100	64.5	46	71.5
Public	Hopewell	SR	72.6	90	57.4	29	84.3 *	95	55.6	90	74.9	100	75.5 *	75	72.8
Public	Kaskaskia	SR	77.8 *	93	58.5	33	84.4 *	95	76.0 *	93	84.6 *	99	66.2	85	75.5 *
Public	Truman	SR	69.3	73	58.1	29	84.9 *	75	63.5	85	74.5	85	54.3	47	
Public	Valor	SR	55.3	64	56.8	29	52.8	59	46.5	70	75.8	94	46.1	34	
Diener	D 495 W	SR	70.8	83	59.0	28	81.2	80	62.4	77	75.5	100	64.0	74	
Diener	D 498 W	SR	67.6	82	58.1	29	77.7	78	60.6	72	72.0	100	60.0	80	73.7
Diener	D 500 W	SR	72.8 *	83	57.5	29	79.9	89	66.6 *	84	76.1	100	68.8	58	74.4
Diener	DXW 45	SR	55.8	64	57.8	24	68.4	66	44.1	66	69.3	86	41.5	36	
Diener	DXW 48	SR	75.1 *	86	57.3	29	75.9	88	66.9 *	71	85.5 *	100	72.1 *	85	
Gristmill	Excel 211	SR	70.5	83	58.1	30	74.3	84	62.6	86	77.6	100	67.7	61	
Gristmill	Excel 307	SR	62.5	74	57.8	28	71.5	75	54.1	77	74.7	99	49.7	45	
Gristmill	Excel 333	SR	69.4	79	57.3	28	81.3	81	64.1	79	72.2	100	59.9	56	
Gristmill	Excel 352 TW	SR	73.5 *	83	57.4	28	76.3	81	55.9	70	86.9 *	100	74.9 *	81	
Gristmill	Excel 354 TW	SR	57.4	56	58.2	25	60.6	39	51.6	69	72.3	80	45.0	34	
Gristmill	Excel 392	SR	50.9	41	57.3	27	67.2	61	41.5	41	71.7	53	23.2	8	
Gristmill	Excel 399	SR	71.9	81	57.4	29	72.9	86	68.5 *	89	83.5	100	62.7	49	
Gristmill	Excel 450	SR	58.5	68	56.7	29	68.5	88	53.0	76	70.7	78	41.8	29	
Growmark	FS 634	SR	67.9	81	58.1	28	76.0	76	60.1	85	75.2	100	60.5	61	71.6
Growmark	FS 8302	SR	63.0	71	58.0	26	79.4	96	55.6	82	72.4	79	44.5	25	73.4
Growmark	FS 8309	SR	70.0	76	57.4	28	74.9	90	50.8	56	79.7	100	74.5 *	59	77.6 *
Jung	5804	SR	65.7	68	58.8	27	68.9	58	54.1	61	77.1	100	62.6	53	76.6 *
Jung	5880	SR	67.2	78	57.3	27	77.3	80	54.5	76	76.5	100	60.7	58	72.3
Jung	5955	SR	70.5	77	58.6	27	71.0	81	58.9	71	81.3	100	70.9 *	58	
Kaltenberg	KW 39	SR	71.0	86	56.5	29	75.1	90	62.3	89	80.8	100	65.9	65	71.5
Kaltenberg	KW 44	SR	68.6	83	57.2	28	75.0	80	60.2	91	79.0	100	60.2	60	72.9
Kaltenberg	KW 48	SR	60.0	67	57.2	30	66.4	80	54.1	61	71.6	96	48.0	33	
Kaltenberg	KW 51	SR	74.1 *	87	58.8	28	83.8 *	90	66.4 *	90	76.6	100	69.6	66	
Kaltenberg	KW 52	SR	70.0	88	59.0	27	79.3	88	63.7	93	75.8	100	61.4	70	

Continued

## 2005 Winter Wheat Variety Trial Results Arlington, Janesville, Racine, and Chilton WI.

Brand	Entry	Class <sup>2</sup>	2005 Combined Means				Arlington		Janesville		Racine		Chilton		2-Year <sup>1</sup>
			Yield	Winter	Test	Height	Yield	Winter	Yield	Winter	Yield	Winter	Yield	Winter	Mean
				Survival	Wt.			Survival		Survival		Survival		Survival	
			bu/a	%	lb/bu	in	bu/a	%	bu/a	%	bu/a	%	bu/a	%	bu/a
Kaltenberg	KW 53	SR	66.4	74	56.9	26	83.2 *	84	52.6	68	77.0	100	52.8	46	
Kaltenberg	KW 54	SR	58.3	50	58.0	27	75.0	66	47.7	36	69.6	78	41.0	22	
Kaltenberg	KW 55	SR	71.7	77	58.7	28	77.3	81	64.1	89	80.0	98	65.5	40	
Kaltenberg	KW 56	SR	68.7	78	59.5	31	63.2	58	68.3 *	93	74.1	100	69.3	63	
Kaltenberg	KW 57	SR	66.9	85	58.4	27	73.5	85	56.5	86	74.0	100	63.5	70	
Kaltenberg	KW 58	SR	74.1 *	85	57.8	29	80.1	91	60.9	83	81.1	100	74.3 *	66	
Pioneer	25R35	SR	60.7	65	57.9	26	57.6	50	55.3	77	76.4	100	53.5	34	
Pioneer	25R37	SR	63.1	69	58.2	26	72.5	71	55.4	72	74.6	100	49.9	31	70.2
Pioneer	25R47	SR	79.6 *	84	57.4	26	93.5 *	90	65.4	87	90.0 *	100	69.8	58	80.5 *
Pioneer	25R78	SR	63.1	71	57.8	24	63.6	51	62.2	96	76.9	94	49.8	42	72.1
Pro Seed Genetics	Pro 110	SR	54.4	64	58.8	25	76.7	83	46.7	67	61.9	85	32.6	20	63.6
Pro Seed Genetics	Pro 200	SR	79.0 *	94	57.6	31	80.7	100	71.4 *	86	84.6 *	100	79.3 *	89	77.2 *
Pro Seed Genetics	Pro EX 210	SR	71.9	77	58.0	29	82.4	96	59.0	73	84.6 *	100	61.6	40	
Seed-link	ACS 52004	HR	14.2	11	54.1	25	17.6	4	20.1	31	10.5	6	8.7	4	
Seed-link	ACS 52062	HR	43.4	47	56.9	23	45.6	35	46.9	72	57.6	63	23.5	17	60.9
Seed-link	ACS 53047	HR	44.6	49	56.8	22	67.0	66	32.4	53	49.1	49	30.2	29	
Seed-link	ACS 97003	HR	74.4 *	90	59.1	31	85.1 *	98	68.9 *	81	76.2	100	67.3	80	74.9 *
Seed-link	Carlisle	HR	71.3	93	61.4	29	83.2 *	100	59.4	90	74.2	100	68.5	80	72.9
Seed-link	Harvard	HR	80.0 *	93	60.3	31	86.7 *	100	71.4 *	78	81.3	100	80.4 *	96	
Seed-link	Maxine	HR	68.9	85	59.8	28	75.7	84	61.4	88	74.2	100	64.4	68	
UAP Great Lakes	DynaGro DG 403	SR	66.0	83	57.9	30	76.8	93	57.3	83	71.6	100	58.4	56	
UAP Great Lakes	DynaGro DG 410	SR	64.7	78	57.9	28	68.5	83	51.0	69	76.5	100	62.7	60	
UAP Great Lakes	DynaGro DG 419	SR	67.3	78	57.9	29	78.6	81	53.0	74	72.1	100	65.6	56	
Public - exp	AR 93027-3-2	SR	63.6	73	57.7	27	77.2	78	49.4	70	77.9	100	50.0	43	
Public - exp	IL 00-8061	SR	78.3 *	93	59.7	31	83.5 *	99	72.8 *	96	84.8 *	100	72.4 *	79	
Public	Bess	SR	63.3	66	57.9	27	72.4	60	56.4	71	70.4	88	54.0	45	
Public - exp	P 97462A1-21-1-5-2	SR	64.6	82	57.4	26	66.4	94	53.9	80	72.9	95	65.4	60	
Public - exp	P 981312A1-6-2-2	SR	51.9	55	56.4	25	56.6	45	54.6	78	66.8	86	29.6	12	
Public - exp	P 981359C1-4-2-1-8	SR	65.1	74	60.5	30	79.2	81	56.5	74	65.7	85	58.9	54	72.8
Mean			65.8	75	57.9	28	73.0	79	57.7	77	74.6	93	56.0	51	72.9
LSD(.10)			7.3	13	1.0	1	10.9	22	10.5	22	6.9	12	10.6	18	5.9

<sup>1</sup> 2-year mean yields are a 8-test mean including the four sites in 2004 and 2005.

<sup>2</sup> SR= Soft red winter, HR= Hard red winter,

\* Yields followed by a "\*" are not significantly different (0.10 level) than the highest yielding cultivar.

**2005 Winter Wheat Variety Trial Results.**  
**Arlington, Wisconsin. (Expt. 2530)**

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Public	Cardinal	SR	68.7	85	54.3	31	70.8	54.0	9	45	2	69.7
Public	Cecil	SR	73.7	94	54.0	31	60.9	51.6	13	43	4	67.3
Public	Hopewell	SR	84.3 *	95	55.0	32	55.2	50.2	30	43	0	69.7
Public	Kaskaskia	SR	84.4 *	95	57.5	35	71.9	52.5	36	47	3	78.2
Public	Truman	SR	84.9 *	75	55.8	32						
Public	Valor	SR	52.8	59	53.5	31						
Diener	D 495 W	SR	81.2	80	57.5	31						
Diener	D 498 W	SR	77.7	78	57.3	32	79.1 *	53.1	6	46	1	78.4 *
Diener	D 500 W	SR	79.9	89	55.8	31	65.2	51.7	15	44	2	72.6
Diener	DXW 45	SR	68.4	66	55.5	28						
Diener	DXW 48	SR	75.9	88	55.5	33						
Gristmill	Excel 211	SR	74.3	84	56.3	33						
Gristmill	Excel 307	SR	71.5	75	56.0	31						
Gristmill	Excel 333	SR	81.3	81	55.1	31						
Gristmill	Excel 352 TW	SR	76.3	81	55.3	33						
Gristmill	Excel 354 TW	SR	60.6	39	56.3	28						
Gristmill	Excel 392	SR	67.2	61	55.9	31						
Gristmill	Excel 399	SR	72.9	86	54.8	30						
Gristmill	Excel 450	SR	68.5	88	54.0	33						
Growmark	FS 634	SR	76.0	76	56.5	31	66.4	51.8	15	45	3	71.2
Growmark	FS 8302	SR	79.4	96	56.8	30	75.5 *	52.2	13	42	0	77.5
Growmark	FS 8309	SR	74.9	90	55.0	30	76.3 *	53.5	5	43	0	75.6
Jung	5804	SR	68.9	58	58.0	31	74.2 *	54.6	25	41	1	71.6
Jung	5880	SR	77.3	80	55.0	31	67.0	50.5	30	46	2	72.2
Jung	5955	SR	71.0	81	56.0	30						
Kaltenberg	KW 39	SR	75.1	90	55.5	32	56.5	50.1	26	46	6	65.8
Kaltenberg	KW 44	SR	75.0	80	55.0	30	67.0	52.1	29	43	2	71.0
Kaltenberg	KW 48	SR	66.4	80	54.3	33	60.0	49.7	5	45	5	63.2
Kaltenberg	KW 51	SR	83.8 *	90	58.0	29						
Kaltenberg	KW 52	SR	79.3	88	57.3	29						

Continued

## 2005 Winter Wheat Variety Trial Results. Arlington, Wisconsin. (Expt. 2530)

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Kaltenberg	KW 53	SR	83.2 *	84	55.1	30						
Kaltenberg	KW 54	SR	75.0	66	56.5	31						
Kaltenberg	KW 55	SR	77.3	81	57.0	32						
Kaltenberg	KW 56	SR	63.2	58	57.8	33						
Kaltenberg	KW 57	SR	73.5	85	55.3	29						
Kaltenberg	KW 58	SR	80.1	91	55.8	31						
Pioneer	25R35	SR	57.6	50	54.0	27						
Pioneer	25R37	SR	72.5	71	56.3	31	65.8	52.8	13	40	0	69.2
Pioneer	25R47	SR	93.5 *	90	55.5	29	77.1 *	51.0	36	41	0	85.3 *
Pioneer	25R78	SR	63.6	51	55.5	25	64.1	51.3	34	40	1	63.8
Pro Seed Genetics	Pro 110	SR	76.7	83	57.3	29	61.4	50.3	31	38	0	69.0
Pro Seed Genetics	Pro 200	SR	80.7	100	55.8	33	70.7	54.3	10	45	2	75.7
Pro Seed Genetics	Pro EX 210	SR	82.4	96	57.3	31						
Seed-link	ACS 52004	HR	17.6	4	56.7	26						
Seed-link	ACS 52062	HR	45.6	35	56.0	24	74.9 *	52.7	8	39	0	60.2
Seed-link	ACS 53047	HR	67.0	66	56.5	26						
Seed-link	ACS 97003	HR	85.1 *	98	57.8	33	73.8	55.7	9	42	0	79.5 *
Seed-link	Carlisle	HR	83.2 *	100	59.3	31	60.6	51.2	50	41	0	71.9
Seed-link	Harvard	HR	86.7 *	100	59.3	35						
Seed-link	Maxine	HR	75.7	84	58.0	31						
UAP Great Lakes	DynaGro DG 403	SR	76.8	93	56.5	33						
UAP Great Lakes	DynaGro DG 410	SR	68.5	83	56.0	31						
UAP Great Lakes	DynaGro DG 419	SR	78.6	81	56.2	34						
Public - exp	AR 93027-3-2	SR	77.2	78	55.3	28						
Public - exp	IL 00-8061	SR	83.5 *	99	58.8	35						
Public	Bess	SR	72.4	60	56.3	30						
Public - exp	P 97462A1-21-1-5-2	SR	66.4	94	55.3	28						
Public - exp	P 981312A1-6-2-2	SR	56.6	45	53.8	29						
Public - exp	P 981359C1-4-2-1-8	SR	79.2	81	60.0	33	73.2	58.1	8	44	0	76.2
Mean			73.0	79	56.1	30	93.0	56.3	24	38	2	71.9
LSD(.10)			10.9	22	1.2	2	5.9	1.4	10	2	2	6.9

(1) Class: SR = Soft Red and HR = Hard Red; (2) Scab Disease or Head Blight is a rating of the percent of immature spikelets that are bleached;

(3) Belgian Lodging System rounded to whole number (0=none - 9=severe) ; No lodging was observed in 2005.

\* Yields followed by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

## 2005 Winter Wheat Variety Trial Results. Janesville, Wisconsin. (Expt. 2531)

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Public	Cardinal	SR	69.2 *	94	58.8	29	53.8	48.9	29	41	5	61.5 *
Public	Cecil	SR	68.3 *	89	60.0	28	57.5	47.0	23	41	8	62.9 *
Public	Hopewell	SR	55.6	90	59.0	26	74.2 *	53.6	29	41	3	64.9 *
Public	Kaskaskia	SR	76.0 *	93	59.8	30	61.9	50.9	31	42	5	68.9 *
Public	Truman	SR	63.5	85	60.3	26						
Public	Valor	SR	46.5	70	57.5	28						
Diener	D 495 W	SR	62.4	77	59.5	25						
Diener	D 498 W	SR	60.6	72	59.0	26	71.1	52.6	21	41	4	65.8 *
Diener	D 500 W	SR	66.6 *	84	59.0	26	63.4	50.3	36	40	4	65.0 *
Diener	DXW 45	SR	44.1	66	59.3	20						
Diener	DXW 48	SR	66.9 *	71	58.8	24						
Gristmill	Excel 211	SR	62.6	86	59.3	26						
Gristmill	Excel 307	SR	54.1	77	59.0	25						
Gristmill	Excel 333	SR	64.1	79	59.0	27						
Gristmill	Excel 352 TW	SR	55.9	70	58.8	23						
Gristmill	Excel 354 TW	SR	51.6	69	59.5	23						
Gristmill	Excel 392	SR	41.5	41	58.8	26						
Gristmill	Excel 399	SR	68.5 *	89	58.5	26						
Gristmill	Excel 450	SR	53.0	76	58.0	27						
Growmark	FS 634	SR	60.1	85	58.8	26	65.4	50.3	35	41	3	62.7 *
Growmark	FS 8302	SR	55.6	82	59.6	24	75.6 *	52.6	30	39	2	65.6 *
Growmark	FS 8309	SR	50.8	56	59.3	25	79.7 *	54.8	18	41	4	65.3 *
Jung	5804	SR	54.1	61	58.3	22	78.5 *	55.1	33	38	2	66.3 *
Jung	5880	SR	54.5	76	59.6	23	65.6	48.4	41	40	5	60.0
Jung	5955	SR	58.9	71	60.1	24						
Kaltenberg	KW 39	SR	62.3	89	57.0	25	52.2	47.6	40	40	5	57.3
Kaltenberg	KW 44	SR	60.2	91	58.8	25	66.5	49.7	28	41	3	63.3 *
Kaltenberg	KW 48	SR	54.1	61	58.3	27						
Kaltenberg	KW 51	SR	66.4 *	90	60.5	26						
Kaltenberg	KW 52	SR	63.7	93	59.8	25						

Continued

## 2005 Winter Wheat Variety Trial Results. Janesville, Wisconsin. (Expt. 2531)

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Kaltenberg	KW 53	SR	52.6	68	58.5	22						
Kaltenberg	KW 54	SR	47.7	36	59.1	23						
Kaltenberg	KW 55	SR	64.1	89	60.0	26						
Kaltenberg	KW 56	SR	68.3 *	93	60.3	29						
Kaltenberg	KW 57	SR	56.5	86	59.3	25						
Kaltenberg	KW 58	SR	60.9	83	58.3	24						
Pioneer	25R35	SR	55.3	77	59.0	23						
Pioneer	25R37	SR	55.4	72	59.6	23	75.5 *	53.3	29	39	3	65.4 *
Pioneer	25R47	SR	65.4	87	58.1	22	58.9	43.6	33	37	4	62.1 *
Pioneer	25R78	SR	62.2	96	59.6	22	70.3	49.5	30	38	2	66.3 *
Pro Seed Genetics	Pro 110	SR	46.7	67	59.6	22	69.7	51.4	38	36	1	58.2
Pro Seed Genetics	Pro 200	SR	71.4 *	86	58.4	27	60.7	51.9	25	39	5	66.0 *
Pro Seed Genetics	Pro EX 210	SR	59.0	73	58.8	27						
Seed-link	ACS 52004	HR	20.1	31	58.0	22						
Seed-link	ACS 52062	HR	46.9	72	58.6	22	69.9	52.1	26	36	4	58.4
Seed-link	ACS 53047	HR	32.4	53	57.8	19						
Seed-link	ACS 97003	HR	68.9 *	81	59.5	28	64.2	54.2	35	40	2	66.6 *
Seed-link	Carlisle	HR	59.4	90	62.3	25	64.4	52.1	35	38	3	61.9 *
Seed-link	Harvard	HR	71.4 *	78	60.5	28						
Seed-link	Maxine	HR	61.4	88	60.8	27						
UAP Great Lakes	DynaGro DG 403	SR	57.3	83	59.0	27						
UAP Great Lakes	DynaGro DG 410	SR	51.0	69	59.0	24						
UAP Great Lakes	DynaGro DG 419	SR	53.0	74	58.3	26						
Public - exp	AR 93027-3-2	SR	49.4	70	58.5	24						
Public - exp	IL 00-8061	SR	72.8 *	96	60.0	28						
Public	Bess	SR	56.4	71	58.8	24						
Public - exp	P 97462A1-21-1-5-2	SR	53.9	80	59.0	24						
Public - exp	P 981312A1-6-2-2	SR	54.6	78	58.0	24						
Public - exp	P 981359C1-4-2-1-8	SR	56.5	74	62.0	28	58.9	56.6	20	39	2	57.7
Mean			57.7	77	59.1	25	63.7	50.6	32	39	4	63.3
LSD(.10)			10.5	22	1.3	3	8.6	1.9	9	2	2	7.7

(1) Class: SR = Soft Red and HR = Hard Red; (2) Scab Disease or Head Blight is a rating of the percent of immature spikelets that are bleached;

(3) Belgian Lodging System rounded to whole number (0=none - 9=severe) ; No lodging was observed in 2005.

\* Yields followed by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

**2005 Winter Wheat Variety Trial Results.**  
**Racine, Wisconsin. (Expt. 2532)**

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Public	Cardinal	SR	90.6 *	99	59.4	35	87.5	56.4	25	37	0	89.0 *
Public	Cecil	SR	78.6	100	58.5	32	83.7	55.5	29	37	1	81.2
Public	Hopewell	SR	74.9	100	58.4	33	80.5	55.8	58	36	0	77.7
Public	Kaskaskia	SR	84.6 *	99	60.3	36	68.9	56.8	40	36	0	76.7
Public	Truman	SR	74.5	85	59.8	31						
Public	Valor	SR	75.8	94	59.0	33						
Diener	D 495 W	SR	75.5	100	61.4	31						
Diener	D 498 W	SR	72.0	100	59.5	32	82.6	56.9	21	38	0	77.3
Diener	D 500 W	SR	76.1	100	58.9	34	78.3	55.2	30	38	0	77.2
Diener	DXW 45	SR	69.3	86	60.2	29						
Diener	DXW 48	SR	85.5 *	100	58.8	34						
Gristmill	Excel 211	SR	77.6	100	60.0	34						
Gristmill	Excel 307	SR	74.7	99	59.4	33						
Gristmill	Excel 333	SR	72.2	100	59.5	31						
Gristmill	Excel 352 TW	SR	86.9 *	100	59.3	34						
Gristmill	Excel 354 TW	SR	72.3	80	60.4	31						
Gristmill	Excel 392	SR	71.7	53	60.3	31						
Gristmill	Excel 399	SR	83.5	100	60.3	33						
Gristmill	Excel 450	SR	70.7	78	58.6	33						
Growmark	FS 634	SR	75.2	100	59.5	32	76.4	55.4	30	34	0	75.8
Growmark	FS 8302	SR	72.4	79	59.3	30	81.0	57.7	30	34	0	76.7
Growmark	FS 8309	SR	79.7	100	59.3	30	92.6 *	58.3	18	33	0	86.2 *
Jung	5804	SR	77.1	100	61.5	32	94.6 *	58.4	30	35	0	85.9
Jung	5880	SR	76.5	100	58.8	31	85.6	55.5	39	34	0	81.0
Jung	5955	SR	81.3	100	60.2	30						
Kaltenberg	KW 39	SR	80.8	100	58.5	32	89.6 *	55.0	20	36	1	85.2
Kaltenberg	KW 44	SR	79.0	100	59.4	32	83.8	56.1	38	36	0	81.4
Kaltenberg	KW 48	SR	71.6	96	60.6	34	89.0 *	56.9	30	38	1	80.3
Kaltenberg	KW 51	SR	76.6	100	59.9	32						
Kaltenberg	KW 52	SR	75.8	100	61.0	30						

Continued

## 2005 Winter Wheat Variety Trial Results. Racine, Wisconsin. (Expt. 2532)

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Kaltenberg	KW 53	SR	77.0	100	59.0	31						
Kaltenberg	KW 54	SR	69.6	78	60.3	31						
Kaltenberg	KW 55	SR	80.0	98	59.3	33						
Kaltenberg	KW 56	SR	74.1	100	60.8	36						
Kaltenberg	KW 57	SR	74.0	100	61.0	30						
Kaltenberg	KW 58	SR	81.1	100	59.3	33						
Pioneer	25R35	SR	76.4	100	60.8	31						
Pioneer	25R37	SR	74.6	100	60.3	29	91.1 *	58.3	23	35	0	82.9
Pioneer	25R47	SR	90.0 *	100	59.3	29	92.8 *	54.5	41	32	0	91.4 *
Pioneer	25R78	SR	76.9	94	59.8	29	87.5	55.4	41	33	0	82.2
Pro Seed Genetics	Pro 110	SR	61.9	85	61.3	28	74.2	55.9	54	31	0	68.0
Pro Seed Genetics	Pro 200	SR	84.6 *	100	59.3	36	80.7	58.2	21	36	0	82.7
Pro Seed Genetics	Pro EX 210	SR	84.6 *	100	59.2	33						
Seed-link	ACS 52004	HR	10.5	6	47.3	28						
Seed-link	ACS 52062	HR	57.6	63	58.5	26	81.9	57.2	23	31	0	69.7
Seed-link	ACS 53047	HR	49.1	49	58.3	25						
Seed-link	ACS 97003	HR	76.2	100	61.5	35	71.6	57.1	29	34	0	73.9
Seed-link	Carlisle	HR	74.2	100	63.0	32	80.0	58.5	61	33	0	77.1
Seed-link	Harvard	HR	81.3	100	62.0	34						
Seed-link	Maxine	HR	74.2	100	61.3	32						
UAP Great Lakes	DynaGro DG 403	SR	71.6	100	59.5	33						
UAP Great Lakes	DynaGro DG 410	SR	76.5	100	59.8	32						
UAP Great Lakes	DynaGro DG 419	SR	72.1	100	59.5	34						
Public - exp	AR 93027-3-2	SR	77.9	100	59.3	31						
Public - exp	IL 00-8061	SR	84.8 *	100	61.0	36						
Public	Bess	SR	70.4	88	60.0	30						
Public - exp	P 97462A1-21-1-5-2	SR	72.9	95	59.5	31						
Public - exp	P 981312A1-6-2-2	SR	66.8	86	59.0	26						
Public - exp	P 981359C1-4-2-1-8	SR	65.7	85	61.4	33	86.1	60.6	18	36	0	75.9
Mean			74.6	93	59.7	32	80.8	56.1	36	35	0	79.8
LSD(.10)			6.9	12	1.0	2	6.5	0.9	12	2	0	5.2

(1) Class: SR = Soft Red and HR = Hard Red; (2) Scab Disease or Head Blight is a rating of the percent of immature spikelets that are bleached;

(3) Belgian Lodging System rounded to whole number (0=none - 9=severe) ; No lodging was observed in 2005.

\* Yields followed by a '\*' are not significantly different (0.10 level) than the highest yielding cultivar.

**2005 Winter Wheat Variety Trial Results.**  
**Chilton, Wisconsin. (Expt. 2533)**

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield bu/a	Winter Survival %	Test Wt. lb/bu	Height in	Yield bu/a	Test Wt. lb/bu	Scab (2) %	Height in	Lodg- ing (3) (0-9)	Mean Yield bu/a
Public	Cardinal	SR	68.2	75	57.0	24	94.6	59.4	31	40	0	81.4 *
Public	Cecil	SR	64.5	46	57.0	26	84.8	58.3	38	39	0	74.7
Public	Hopewell	SR	75.5 *	75	57.0	27	82.0	58.7	54	38	1	78.8 *
Public	Kaskaskia	SR	66.2	85	56.5	30	90.3	60.2	51	42	0	78.2 *
Public	Truman	SR	54.3	47	56.5	26						
Public	Valor	SR	46.1	34	57.3	24						
Diener	D 495 W	SR	64.0	74	57.8	24						
Diener	D 498 W	SR	60.0	80	56.8	27	86.3	59.3	36	40	0	73.1
Diener	D 500 W	SR	68.8	58	56.5	25	96.5 *	59.8	33	39	0	82.6 *
Diener	DXW 45	SR	41.5	36	56.3	21						
Diener	DXW 48	SR	72.1 *	85	56.3	25						
Gristmill	Excel 211	SR	67.7	61	56.8	26						
Gristmill	Excel 307	SR	49.7	45	57.0	24						
Gristmill	Excel 333	SR	59.9	56	55.5	24						
Gristmill	Excel 352 TW	SR	74.9 *	81	56.3	25						
Gristmill	Excel 354 TW	SR	45.0	34	56.6	21						
Gristmill	Excel 392	SR	23.2	8	54.2	21						
Gristmill	Excel 399	SR	62.7	49	56.0	25						
Gristmill	Excel 450	SR	41.8	29	56.4	24						
Growmark	FS 634	SR	60.5	61	57.5	25	92.6	59.1	33	38	0	76.5 *
Growmark	FS 8302	SR	44.5	25	56.3	22	102.9 *	60.0	29	38	0	73.7
Growmark	FS 8309	SR	74.5 *	59	56.3	26	92.2	60.4	23	34	0	83.4 *
Jung	5804	SR	62.6	53	57.5	22	102.7 *	61.2	30	37	0	82.6 *
Jung	5880	SR	60.7	58	56.0	23	91.1	59.4	38	37	0	75.9
Jung	5955	SR	70.9 *	58	58.0	25						
Kaltenberg	KW 39	SR	65.9	65	55.0	25	90.0	57.9	35	40	0	77.9 *
Kaltenberg	KW 44	SR	60.2	60	55.5	25	91.9	59.2	38	37	0	76.1
Kaltenberg	KW 48	SR	48.0	33	55.5	25	104.8 *	58.9	16	40	0	76.4
Kaltenberg	KW 51	SR	69.6	66	56.9	25						
Kaltenberg	KW 52	SR	61.4	70	58.0	26						

Continued

## 2005 Winter Wheat Variety Trial Results. Chilton, Wisconsin. (Expt. 2533)

Brand	Entry	Class (1)	2005 Means				2004 Means					2-Year
			Yield	Winter Survival	Test Wt.	Height	Yield	Test Wt.	Scab (2)	Height	Lodg- ing (3)	Mean Yield
			bu/a	%	lb/bu	in	bu/a	lb/bu	%	in	(0-9)	bu/a
Kaltenberg	KW 53	SR	52.8	46	55.0	22						
Kaltenberg	KW 54	SR	41.0	22	56.1	22						
Kaltenberg	KW 55	SR	65.5	40	58.5	22						
Kaltenberg	KW 56	SR	69.3	63	59.0	27						
Kaltenberg	KW 57	SR	63.5	70	58.3	25						
Kaltenberg	KW 58	SR	74.3 *	66	57.8	27						
Pioneer	25R35	SR	53.5	34	58.0	22						
Pioneer	25R37	SR	49.9	31	56.9	21	77.0	60.2	35	34	0	63.4
Pioneer	25R47	SR	69.8	58	56.8	22	97.1 *	57.4	51	35	0	83.4 *
Pioneer	25R78	SR	49.8	42	56.4	22	102.1 *	60.5	40	34	0	76.0
Pro Seed Genetics	Pro 110	SR	32.6	20	57.0	23	86.2	60.8	38	36	0	59.4
Pro Seed Genetics	Pro 200	SR	79.3 *	89	57.0	27	89.9	60.7	30	39	0	84.6 *
Pro Seed Genetics	Pro EX 210	SR	61.6	40	56.8	25						
Seed-link	ACS 52004	HR	8.7	4	54.4	24						
Seed-link	ACS 52062	HR	23.5	17	54.4	19	87.1	59.1	25	34	0	55.3
Seed-link	ACS 53047	HR	30.2	29	54.6	19						
Seed-link	ACS 97003	HR	67.3	80	57.5	28	91.9	60.8	30	38	0	79.6 *
Seed-link	Carlisle	HR	68.5	80	61.3	27	93.0	61.9	66	38	0	80.8 *
Seed-link	Harvard	HR	80.4 *	96	59.5	29						
Seed-link	Maxine	HR	64.4	68	59.0	22						
UAP Great Lakes	DynaGro DG 403	SR	58.4	56	56.5	26						
UAP Great Lakes	DynaGro DG 410	SR	62.7	60	56.8	25						
UAP Great Lakes	DynaGro DG 419	SR	65.6	56	57.5	24						
Public - exp	AR 93027-3-2	SR	50.0	43	57.8	24						
Public - exp	IL 00-8061	SR	72.4 *	79	59.0	25						
Public	Bess	SR	54.0	45	56.8	23						
Public - exp	P 97462A1-21-1-5-2	SR	65.4	60	55.8	22						
Public - exp	P 981312A1-6-2-2	SR	29.6	12	54.9	21						
Public - exp	P 981359C1-4-2-1-8	SR	58.9	54	58.8	26	104.4 *	63.5	23	42	0	81.6 *
Mean			56.0	51	56.7	24	88.9	59.1	40	38	0	76.3
LSD(.10)			10.6	18	1.4	3	9.6	0.6	7	2	ns	8.1

(1) Class: SR = Soft Red and HR = Hard Red; (2) Scab Disease or Head Blight is a rating of the percent of immature spikelets that are bleached;

(3) Belgian Lodging System rounded to whole number (0=none - 9=severe) ; No lodging was observed in 2005.

\* Yields followed by a "\*" are not significantly different (0.10 level) than the highest yielding cultivar.