



Calendar:

- October 31 - November 3, US Wheat Associates & National Association of Wheat Growers, Fall Board Meeting, Dallas, TX
- November 11, Wyoming Wheat Growers Annual Convention, Pine Bluffs

2008 Wyoming Winter Wheat Variety Trial Results

Lingle, WY— The James C. Hageman SAREC has announced the results of the 2008 winter wheat trials. Tabular results are presented in the following six pages, along with two and three year averages on yields and bushel weights (if available). The standard deviation of the three year yield is also presented to allow growers to evaluate the consistency of yields of a given variety at a particular test site.

In the tables that follow (**W**) stands for a white winter wheat variety, and **Tall-Blend** is a blend containing 33% of each of the varieties Buckskin, Goodstreak, and Pronghorn. In the Goshen County irrigated trials, heading date is recorded in days after January 1, all other trials the heading date is recorded as date in the month of June.

You will also notice a variety named Genou in the trials; while yields from Genou are not outstanding, this variety is the first solid stem winter wheat in Wyoming trials. This trait provides protection against wheat stem sawfly, found in 2007 in Goshen County. Our apologies to growers in Campbell County, for the second year, the trial there was lost due to environmental conditions.

Inside this issue:

Stateline 2008	2
Two & Three Year Averages, Stateline, Goshen and Laramie Irr.	3
Platte County Dryland	4
Laramie County Dryland	5
Goshen County Irr.	6
Laramie County Irr.	7
Sheridan County Dryland	8

All this and more on the Wyoming Wheat Growers Website:

www.wyomingwheat.com

Laramie, WY - Additional information on past years data are available from the University of Wyoming at <http://www.uwyo.edu/plants/key.htm>. Additional test data are available from Colorado State at <http://wheat.colostate.edu/vpt.html>, and University of Nebraska at <http://varietytest.unl.edu/winterwheat.html>

WHEAT COMMISSION BRIEF

The Commission would like to welcome John Watson as a member; he was appointed by Governor Freudenthal in late June. As always our mission is to **Expand and maintain wheat markets for Wyoming's producers.** We hope this variety trial newsletter will help your operation to be more profitable. If you have questions or concerns regarding the Wyoming Wheat Commission, please contact Keith Kennedy at 307-742-9790, or email him at kkennedy@agrimind.com.

Here's hoping you have plenty of moisture for fall planting- KEITH

The Sheaf

State Line Wyoming Dryland Winter Wheat Test - 2008

Variety	Yield (bu/A)	Moisture (%)	Bushel Wt (lb/bu)
Hatcher	52.5	11.0	61.4
Bond CL	51.2	10.1	58.6
Alliance	50.9	10.8	62.7
Winterhawk	49.6	11.1	62.3
Keota	49.5	10.7	59.9
NI04421	49.2	11.0	62.4
Goodstreak	49.2	11.1	61.9
Infinity CL	48.7	11.0	62.0
Settler CL (NH03614)	48.6	11.5	61.3
TAM 111	48.5	11.6	63.0
Buckskin	48.0	11.0	62.8
Bill Brown	47.9	11.4	63.0
TAM 112	47.7	11.4	63.5
Harry	47.7	10.4	58.0
NE03490	47.2	10.5	60.2
Smoky Hill	46.8	11.0	62.4
Ripper	46.7	10.9	61.2
NuDakota (W)	46.7	11.1	61.8
Overland	46.6	10.8	62.0
Darrell	46.4	11.1	61.5
Arrowsmith (W)	46.3	11.2	62.4
Pronghorn	45.8	11.0	62.7
NE01481	44.9	10.8	60.9
NI04420	44.8	11.1	62.3
Ron L (W)	44.8	10.8	61.7
NE04490	44.2	10.6	62.0
NE04424	44.1	11.0	62.4
Jagalene	43.9	10.7	60.9
PostRock	43.8	10.7	61.6
Camelot (NE01604)	43.8	11.0	61.2
2137	43.7	10.3	59.6
Millennium	43.4	11.4	61.2
Scout 66	43.3	11.0	62.4
NX04Y2107	43.3	10.3	60.4
NE02584	43.1	11.2	63.4
Wesley	42.9	10.7	61.7
2145	42.2	11.2	62.4
Hawken	42.1	11.3	63.4
Alice (W)	42.1	10.5	60.2
NW03681 (W)	42.0	10.7	60.9
Turkey	41.9	11.1	61.0
Anton (NW98S097) (W)	41.8	11.1	63.0
Antelope (W)	41.3	11.1	63.6
Aspen (W)	41.1	10.9	60.2
Mace (N02Y5117)	39.7	11.0	62.2
Average	45.6	10.9	61.7
LSD 0.05	4.8	0.5	1.7

State Line Wyoming Dryland Winter Wheat Test Two & Three Year Averages					
Variety	2 year ave yield (bu/A)	3 year ave yield (bu/A)	Std Dev of 3 yr ave yield (bu/A)		
Hatcher	45.9	39.9	9.5		
Bond CL	45.3	37.7	10.6		
Alliance	44.7	37.4	10.5		
Ripper	42.4	37.2	7.4		
Goodstreak	43.9	36.4	10.1		
Buckskin	42.0	36.0	9.2		
Pronghorn	41.7	35.4	8.4		
NuDakota (W)	40.5	35.2	8.7		
Millennium	39.4	34.7	6.7		
Jagalene	39.8	33.9	8.0		
Wesley	37.7	32.3	8.1		
Goshen County Wyoming Irrigated Winter Wheat Variety Test Two & Three Year Averages					
Variety	2 yr ave yield	2 yr ave bu wt	3 yr ave yield	3 yr ave bu wt	Std Dev 3 yr ave yield
NI04421	74.8	61.6	89.2	61.5	17.8
Bond CL	73.5	60.7	86.2	60.6	15.4
NuDakota (W)	71.2	60.6	85.4	60.3	16.8
Jagalene	63.9	61.5	80.7	61.3	22.4
Anton (NW98S097) (W)	67.1	61.1	79.3	61.0	15.3
TAM 111	58.0	61.1	78.6	61.6	23.8
Wesley	61.8	60.3	76.5	60.3	18.1
Camelot (NE01604)	66.7	60.8	76.1	60.6	12.5
Hatcher	61.2	61.3	75.6	61.0	17.1
NE02584	71.8	61.6	73.9	61.5	13.5
Mace (N02Y5117)	56.9	59.6	73.2	59.9	19.7
NE01481	60.9	60.8	70.6	60.3	14.4
PostRock	55.3	59.4	69.6	59.6	16.5
Antelope (W)	59.5	61.3	68.5	61.3	11.8
Yield in bushels/acre, bushel weight in pounds per bushel					
Laramie County Wyoming Irrigated Winter Wheat Variety Test Two & Three Year Averages					
Variety	2 yr ave yield	2 yr ave bu wt	3 yr ave yield	3 yr ave bu wt	Std Dev 3 yr ave yield
NI04421	111.3	60.8	108.8	60.3	7.1
TAM 111	110.5	62.1	107.5	61.8	7.5
Wesley	110.2	60.5	105.3	59.8	12.3
NE01481	108.1	60.6	102.7	60.2	9.5
Overland (NE01643)	107.4	60.7	102.4	59.9	8.7
Bond CL	105.4	58.8	101.8	58.6	6.3
Mace (N02Y5117)	103.0	60.7	101.4	60.1	3.5
Jagalene	104.3	61.8	99.9	61.1	7.7
NuDakota (W)	103.2	60.0	99.0	59.5	9.5
NE02584	99.8	62.3	96.1	61.3	6.6
Antelope (W)	93.9	60.7	95.2	59.8	7.3
Anton (NW98S097) (W)	92.8	60.6	92.2	60.5	5.9
Hatcher	99.1	60.5	91.4	59.8	15.6
Yield in bushels/acre, bushel weight in pounds per bushel					

Platte County WY Dryland Winter Wheat Variety Test - 2008

Entry	Yield (bu/A)	Bushel Wt (lb/bu)	Height (in)	Heading date (June)
Ripper	39.7	59.0	18	9
Settler CL (NH03614)	34.7	58.8	20	14
Pronghorn	34.5	59.7	22	10
Wahoo	34.3	57.8	18	10
Camelot (NE01604)	33.9	59.8	18	9
Ankor	33.8	59.3	18	11
Akron	33.7	59.3	18	12
NuDakota (W)	33.7	59.1	17	9
Wendy (W)	33.5	61.5	17	9
Goodstreak	33.5	60.3	21	10
NuFrontier (W)	33.4	59.9	20	13
NW03638 (W)	32.9	58.3	18	9
Hatcher	32.7	59.0	16	12
Bill Brown	32.7	58.7	18	12
NE02584	32.6	60.9	18	9
Bond CL	32.5	54.8	18	10
Millennium	32.5	59.7	18	12
TallBlend*	31.8	60.5	20	10
Buckskin	31.8	60.1	21	11
502 CL	31.4	57.9	18	11
Jagalene	30.6	59.5	17	13
Alice (W)	30.1	58.2	19	11
Antelope (W)	28.8	59.9	18	11
Anton (NW98S097) (W)	28.1	60.3	19	13
Genou (Solid stem)	27.9	60.5	17	15
Average	32.6	59.3	18	11
LSD 0.05	3.0	1.5	1	1

Platte County WY Dryland Winter Wheat Variety Test Two and Three Year Averages					
Entry	2 yr ave yield	2 yr ave bu wt	3 yr ave yield	3 yr ave bu wt	Std Dev (3 yr ave yield)
Hatcher	29.9	60.3	31.7	60.1	3.6
Ankor	30.9	60.0	30.3	59.1	3.0
Millennium	30.3	60.8	30.0	60.2	2.3
Buckskin	29.9	60.3	30.0	60.0	1.9
Pronghorn	31.3	59.6	29.9	59.8	3.6
NW03638 (W)	30.0	59.0	29.7	58.5	3.0
NuDakota (W)	29.9	58.0	29.7	56.8	3.9
Bond CL	29.3	56.0	29.6	55.7	3.3
Akron	30.4	60.2	29.4	58.5	3.5
Wahoo	32.7	58.6	29.4	58.3	4.1
NuFrontier (W)	30.7	60.4	29.3	58.6	3.1
Goodstreak	29.8	60.6	29.1	60.3	3.8
Jagalene	27.3	58.9	27.8	59.9	3.4

Yield in bushels/acre, bushel weight in pounds per bushel

Laramie County WY Dryland Winter Wheat Variety Test - 2008

Entry	Yield (bu/A)	Bushel Wt (lb/bu)	Height (in)	Heading date (June)
NuDakota (W)	40.9	57.6	17	8
Ripper	36.2	59.0	19	8
NW03638 (W)	36.2	59.3	21	10
Hatcher	35.9	58.8	19	12
Wahoo	35.7	57.5	20	10
Wendy (W)	35.6	61.1	19	11
Settler CL (NH03614)	35.1	60.2	22	14
Bond CL	34.7	54.9	20	9
NE02584	34.5	60.6	18	8
Camelot (NE01604)	34.3	59.5	19	8
Millennium	34.2	59.7	21	12
Buckskin	33.6	60.2	23	11
Jagalene	33.5	60.4	20	11
Alice (W)	33.5	59.6	20	10
Bill Brown	33.3	59.1	20	12
Tall Blend*	33.2	59.5	24	12
Ankor	32.9	58.5	23	14
Anton (NW98S097) (W)	32.9	59.5	21	14
NuFrontier (W)	32.6	59.1	22	13
Pronghorn	32.5	58.6	22	10
Goodstreak	32.3	59.5	22	9
502 CL	32.1	56.3	18	8
Akron	31.7	58.8	20	12
Antelope (W)	31.6	59.8	18	8
Genou (Solid stem)	29.5	58.7	24	16
Average	33.9	59.0	20	11
LSD 0.05	4.0	1.8	2	2

Laramie County WY Dryland Winter Wheat Variety Test Two & Three Year Averages			
Entry	2 yr ave yield	3 yr ave yield	Std Dev (3 yr yield)
Hatcher	27.5	29.4	8.7
Millennium	25.1	29.4	10.3
Bond CL	25.4	29.2	10.3
NuDakota (W)	28.0	29.1	13.0
Ankor	24.5	27.5	9.2
Wahoo	25.4	27.5	10.6
Pronghorn	24.3	27.4	9.0
NW03638 (W)	26.6	27.2	9.6
NuFrontier (W)	24.8	27.2	8.3
Buckskin	24.8	27.1	9.2
Jagalene	24.8	26.8	9.1
Akron	23.9	26.6	8.5
Goodstreak	24.2	26.4	8.6

Yield in bushels/acre, bushel weight in pounds per bushel

The Sheaf

Goshen County Wyoming Irrigated Winter Wheat Variety Test - 2008

Variety	Yield (bu/A)	Moisture (%)	Bushel Wt (lb/bu)	Height (in)	Heading	Protein (%)
NE03490	71.7	11.0	62.3	19.0	151.1	12.7
Bond CL	68.9	11.0	61.4	21.0	152.4	13.6
NI04421	68.5	11.2	61.9	20.0	152.6	13.3
Hawken	67.4	11.1	62.9	20.0	151.4	13.4
NuDakota (W)	67.4	10.7	61.6	20.0	152.7	13.5
Settler CL (NH03614)	66.8	13.0	61.1	21.0	154.3	12.7
Bill Brown	64.9	12.0	62.2	21.0	152.3	12.4
NI04420	63.1	11.1	61.5	20.0	152.1	12.7
NE04490	62.5	11.2	62.6	22.0	152.8	12.9
Overland	61.8	11.2	61.7	20.0	151.1	13.9
Anton (NW98S097) (W)	61.2	11.1	60.7	20.0	153.4	13.2
Camelot (NE01604)	60.4	10.7	61.0	22.0	151.6	13.6
Keota	60.4	11.4	60.7	21.0	152.7	12.6
NI03427	60.2	13.5	62.0	20.0	153.8	12.6
TAM 111	60.0	15.7	61.0	22.0	154.1	12.9
NE04424	59.8	11.3	62.3	21.0	153.1	13.2
NI05714	58.9	10.7	59.4	22.0	152.0	13.7
NE02584	58.5	11.0	61.0	20.0	151.6	14.2
NI06737	58.5	11.9	60.7	19.0	152.1	13.6
Hatcher	57.4	11.3	60.8	21.0	153.3	12.8
NI06731	57.1	10.8	60.8	21.0	151.5	13.9
PostRock	55.6	10.5	59.6	21.0	152.2	13.8
Wesley	55.5	10.6	60.5	20.0	152.1	14.4
NW03681 (W)	55.3	10.5	59.6	22.0	152.6	13.9
Aspen (W)	54.5	9.7	57.5	20.0	152.2	12.7
Darrell	54.0	12.1	60.6	22.0	153.2	13.8
Antelope (W)	53.9	11.3	61.6	20.0	152.5	13.7
NI04436	53.3	10.7	60.8	20.0	152.7	12.7
Jagalene	52.8	10.9	60.8	20.0	151.6	13.1
NE01481	51.8	10.8	60.9	20.0	153.0	13.9
Alice (W)	51.7	10.7	61.0	21.0	152.5	12.9
Mace (N02Y5117)	50.8	10.8	59.8	20.0	152.7	14.3
NX04Y2107	49.0	10.6	52.7	20.0	151.0	14.7
Ron L (W)	40.3	11.5	59.1	19.0	152.5	13.8
Average	58.7	11.3	60.7	21.0	152.4	13.4
LSD 0.05	12.0	1.4	3.8	2.0	1.8	N.S.

Laramie County Wyoming Irrigated Winter Wheat Variety Test -2008

Variety	Yield (bu/A)	Moisture (%)	Bushel Wt (lb/bu)	Height (in)	Heading date (June)
NE03490	111.7	11.1	62.5	22	8
NE04424	110.2	11.5	63.6	25	11
Settler CL (NH03614)	109.9	11.6	63.5	27	14
NuDakota (W)	109.4	11.6	62.6	22	8
NI04420	109.3	12.1	63.3	24	11
Hatcher	107.2	11.4	62.9	23	11
Overland (NE01643)	106.8	11.6	63.2	26	12
Camelot (NE01604)	106.1	11.5	63.0	24	7
NE01481	106.1	11.1	62.7	26	11
Hawken	105.8	11.7	64.3	21	6
Bond CL	105.8	10.6	60.7	24	6
NX04Y2107	105.8	10.8	61.4	21	6
NI04421	105.6	11.5	63.3	24	11
NW03681 (W)	105.6	12.1	64.6	26	12
Jagalene	105.6	11.9	64.4	24	12
NI04436	105.4	11.3	62.9	23	9
NE04490	105.2	11.0	62.7	25	9
TAM 111	105.0	12.0	63.7	27	14
Bill Brown	103.9	11.6	62.8	23	11
Keota	103.2	11.5	62.9	26	13
PostRock	102.9	11.3	63.1	22	8
NI03427	102.4	12.2	63.8	24	11
Aspen (W)	101.5	11.0	61.6	21	8
NE02584	101.5	11.8	64.3	23	8
Wesley	101.4	11.2	62.7	23	8
Mace (N02Y5117)	101.0	11.7	63.4	25	14
Antelope (W)	100.7	11.8	63.5	22	7
NI06731	100.5	11.0	62.2	24	10
NI06737	99.7	11.3	62.2	23	9
Darrell	99.1	11.5	62.8	24	12
Anton (NW98S097) (W)	98.6	11.7	63.3	24	14
Ron L (W)	98.2	11.1	62.0	22	12
Alice (W)	97.9	11.2	63.0	23	11
NI05714	97.8	11.0	61.8	25	9
Average	104.0	11.4	63.0	24	10
LSD 0.05	7.1	0.5	1.0	2	2

The SHEAF -- Newsletter of the
Wyoming Wheat Commission

Wyoming Wheat Marketing Commission
c/o Wyoming Department of Agriculture
2219 Carey Avenue
Cheyenne, Wyoming 82002

Sheridan County WY Dryland Winter Wheat Variety Test - 2008

Entry	Yield (bu/A)	Bushel Wt (lb/bu)	Height (in)	Heading date (June)
Bill Brown	55.9	62.4	32	13
NuDakota (W)	53.9	59.6	30	10
Settler CL (NH03614)	49.7	56.9	32	13
Buckskin	48.6	59.4	43	12
Antelope (W)	47.8	55.4	32	10
Genou (Solid stem)	47.6	58.8	35	16
Bond CL	47.5	57.4	35	10
Ripper	46.8	59.2	30	9
Akron	46.7	61.2	35	13
Wahoo	46.7	57.8	35	13
Goodstreak	45.4	57.1	40	12
Hatcher	45.0	62.2	29	12
502 CL	44.7	57.5	31	9
Jagalene	44.5	59.0	32	13
Anton (NW98S097) (W)	44.3	58.2	29	14
NuFrontier (W)	43.4	56.4	33	16
Ankor	43.3	59.3	35	15
TallBlend*	41.7	57.6	40	11
Pronghorn	41.0	61.1	39	11
Camelot (NE01604)	40.7	58.3	34	10
Alice (W)	40.5	55.9	31	12
Millennium	38.5	59.0	34	14
Wendy (W)	35.7	59.3	29	11
<i>Average</i>	<i>45.2</i>	<i>58.7</i>	<i>34</i>	<i>12</i>
<i>LSD 0.05</i>	<i>11.5</i>	<i>4.0</i>	<i>3</i>	<i>2</i>