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Alliance Most Popular Variety Planted for 2004

Highlights

Alliance was the most popular winter wheat variety planted for the fourth straight year in Nebraska. It first appeared in the state in 1994 and increased in popularity in 2004 after decreasing slightly in 2003. Millennium, introduced in 2001, became the second most popular variety, replacing Pronghorn which dropped to third.

For the 2004 crop, Alliance accounted for 13.6 percent of the acreage while Millennium was planted on 11.1 percent. Pronghorn was planted on 10.4 percent with 2137 in fourth place at 7.8 percent. Arapahoe continued to decline and finished fifth with 6.8 percent.

District Highlights

The most popular wheat variety in the Northwest and Southwest, where over seventy percent of Nebraska's wheat acres are grown, is Alliance. Wesley was the most popular in the North, East, and Southeast. Jagalene was the most popular in the Central district while 2137 topped the list in the South. Millennium's strong presence in the Northwest, Southwest and South propelled it to second overall, while Pronghorn's second place finish in the Northwest kept it third overall.

Hard White Winter Wheat:

Percent of Planted Acreage, Nebraska, 2000-2004

Variety	2000	2001	2002	2003	2004
<i>Percent</i>					
All White Varieties	0.1	0.6	0.2	2.0	1.7

Of the total hard white winter wheat acreage reported on this survey, 75 percent was planted to Platte, 11 percent to Trego, and 11 percent to NuPlains. The remaining 3 percent was unspecified or too small to publish.

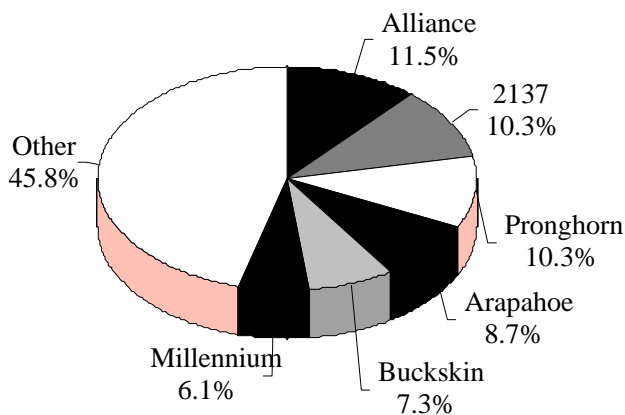
Funding

Supporting funds for this report, "Nebraska Wheat Varieties" were provided by Nebraska Wheat Board from wheat producer check off funds.

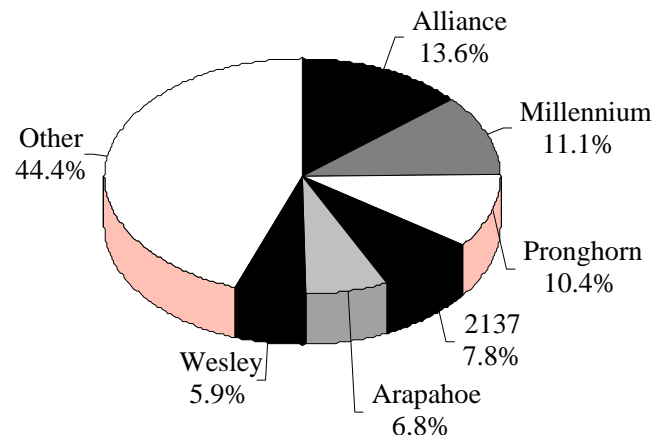
Data Source

This wheat variety data was provided by the voluntary reports of over one thousand Nebraska wheat producers who responded to the 2003 Fall Agricultural Report. The summary included reports representing thirteen percent of the state's total planted acreage estimate.

Top Wheat Varieties for 2003



Top Wheat Varieties for 2004



Variety Descriptions

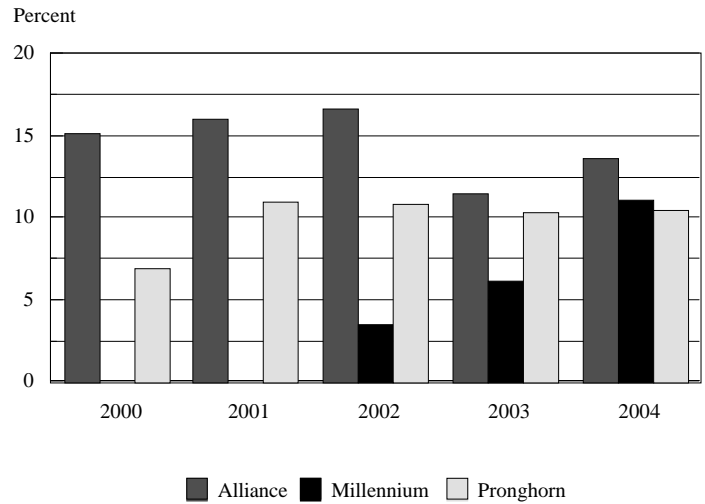
Alliance, a moderately short height and early maturing variety, has fair to good winter hardiness, fair test weight, acceptable protein, and good milling/baking qualities. It has shown above-normal tolerance for crown/root rot and is moderately resistant to stem rust. This variety was produced from a cross of Arkan, Colt, and Chisholm sister line by Nebraska and the USDA-ARS.

Millennium is a medium maturing, medium height variety and is well adapted throughout most of the Nebraska dryland wheat production areas and adjacent states. It has a good test weight, high grain yield, fair to good winter hardiness, shorter length coleoptile, very good tillering ability, and moderately strong straw. It is resistant to Hessian fly; moderately resistant to stem leaf and stripe rust; susceptible to soilborne mosaic and barley yellow dwarf viruses. It has average protein and good end-use quality characteristics for milling and baking. Millennium was developed by Nebraska and the USDA-ARS from the cross Arapahoe/Abilene//NE86488.

Pronghorn, a tall variety of moderately early maturity, has good tillering ability and moderately strong straw. It has good yield stability in the Nebraska panhandle and dryland production in adjacent states. Yield is comparable to Buckskin with superior stem rust resistance. It has a long coleoptile and good early spring regrowth along with good winter hardiness. The grain has

very good test weight patterns and milling/baking qualities. It was developed by Nebraska and the USDA-ARS from the cross Centura/Dawn/Colt sib.

Comparison of the Top 3 Wheat Varieties



Winter Wheat: Percent Planted to Each Variety
Nebraska, 1996-2004

Variety	1996	1997	1998	1999	2000	2001	2002	2003	2004
	<i>Percent</i>								
Alliance	2.7	7.3	8.4	10.4	15.1	16.0	16.6	11.5	13.6
Millennium						¹	3.5	6.1	11.1
Pronghorn		¹	4.6	7.8	6.9	10.9	10.8	10.3	10.4
2137		¹	1.4	3.6	8.2	10.4	8.0	10.3	7.8
Arapahoe	31.6	30.1	28.3	25.0	19.8	13.4	13.0	8.7	6.8
Wesley					¹	1.1	2.2	3.6	5.9
Buckskin	5.8	6.0	6.5	5.0	2.9	4.7	6.2	7.3	4.9
Jagalene (AgriPro)								²	4.5
Niobrara	1.4	6.5	7.5	11.4	10.3	9.3	6.9	5.4	3.5
Karl/Karl 92	7.3	6.9	6.6	5.5	4.4	4.1	3.3	3.8	3.3
Thunderbolt (AgriPro)							²	2.0	3.0
Jagger	¹	¹	¹	1.1	2.9	2.4	3.4	3.9	2.8
Ogallala (AgriPro)	2.2	1.5	1.6	1.2	1.4	2.2	1.5	3.6	2.4
Centura	9.1	9.8	7.7	7.7	6.9	3.7	3.4	1.8	2.1
Wahoo							¹	1.8	1.7
Abilene (AgriPro)	2.8	2.2	2.4	2.7	2.7	2.5	1.3	1.4	1.7
Thunderbird (AgriPro)	5.9	5.7	3.5	3.9	2.8	1.9		²	1.8
Platte (Incl Clearfield)							²	1.0	1.3
Siouxland							¹	1.4	1.1
Culver					¹	3.1	2.8	2.5	1.1
Other Public ³	24.0	18.4	17.0	11.2	12.7	10.9	11.4	8.4	6.6
Other Private ³	7.2	5.6	4.5	3.5	3.0	3.4	5.7	3.4	3.0
	<i>Thousand Acres</i>								
Total Planted	2,300	2,000	1,900	1,900	1,750	1,750	1,650	1,900	1,900

¹ Less than one percent, included in Other Public. ² Less than one percent, included in Other Private. ³ Includes varieties with less than one percent of acreage in 2004.

Winter Wheat: Percent Planted to Each Variety by District, Nebraska, 2004

Variety	Northwest	North	Northeast ¹	Central	East	Southwest	South	Southeast	State
<i>Percent</i>									
Alliance	22.6			0.5		14.1		0.1	13.6
Millennium	12.0			3.6	3.5	12.8	14.4	3.2	11.1
Pronghorn	20.3			0.6		6.5		0.3	10.4
2137	2.2			8.4	12.2	5.9	19.6	20.6	7.8
Arapahoe	6.0	21.6		15.5	14.8	7.7	7.1	2.6	6.8
Wesley	2.0	33.3		10.0	24.7	2.6	5.4	23.9	5.9
Buckskin	11.3			0.4		0.6		0.5	4.9
Jagalene (AgriPro)	0.6	2.7		17.0	7.3	7.3	6.1	6.3	4.5
Niobrara	3.2	13.5		0.8		6.6	0.4		3.5
Karl/Karl 92	0.1				8.8	0.2	6.1	21.6	3.3
Thunderbolt (AgriPro)	0.2	6.7		9.2	1.3	6.2	5.1	0.5	3.0
Jagger	0.7			0.7	2.7	4.5	7.0	2.2	2.8
Ogallala (AgriPro)	2.4	4.7		4.9	0.8	0.9	8.0	0.2	2.4
Centura	3.8			3.7		1.1	0.3	0.7	2.1
Wahoo				4.0	15.5	2.0	2.2	3.7	1.7
Abilene (AgriPro)	1.4	2.7			0.8	1.8	3.6	1.1	1.7
Thunderbird (AgriPro)	0.8			0.8	1.9	2.2	2.0	1.5	1.4
Platte (Incl Clearfield)	0.4				0.5	3.7			1.3
Siouxland	2.1			1.5		0.4		0.5	1.1
Culver	0.1			4.4	0.6	2.0	1.9	0.5	1.1
Other Public	6.4	14.8		5.8	2.5	6.2	6.7	7.8	6.6
Other Private	1.4			8.2	2.1	4.7	4.1	2.2	3.0
<i>Thousand Acres</i>									
Total Planted ²	780	14	6	51	39	580	230	200	1,900

¹Insufficient data to establish level. ²Preliminary.

Nebraska Agricultural Statistics Districts



**Winter Wheat: Acres Planted to Each Variety
Nebraska, 1996-2004**

Variety	1996	1997	1998	1999	2000	2001	2002	2003 ⁴	2004
	<i>Thousand Acres</i>								
Alliance	62	146	160	197	264	280	275	218	258
Millennium						¹	57	116	210
Pronghorn		¹	87	149	121	191	178	196	197
2137		¹	27	68	143	182	132	196	148
Arapahoe	726	602	538	474	346	234	215	165	130
Wesley					¹	19	36	68	112
Buckskin	134	120	123	94	51	82	103	139	93
Jagalene (AgriPro)								²	86
Niobrara	32	130	142	217	180	163	115	103	67
Karl/Karl 92	167	138	125	105	77	72	54	72	62
Thunderbolt (AgriPro)							²	38	57
Jagger	¹	¹	¹	21	51	42	55	74	54
Ogallala (AgriPro)	49	30	30	23	25	38	25	68	46
Centura	209	196	146	145	121	65	55	34	40
Wahoo							¹	34	33
Abilene (AgriPro)	64	44	46	52	47	44	21	27	32
Thunderbird	135	114	67	75	49	35	²	34	27
Platte (Incl Clearfield)							²	19	25
Siouxland							¹	27	21
Culver					¹	54	47	48	20
Other Public ³	558	368	324	213	222	191	189	160	125
Other Private ³	164	112	85	67	53	58	93	64	57
Total Planted	2,300	2,000	1,900	1,900	1,750	1,750	1,650	1,900	1,900

¹ Less than one percent, included in Other Public. ² Less than one percent, included in Other Private. ³ Includes varieties with less than one percent of acreage in 2004. ⁴ Revised.

Note: Historical variety reports for earlier years can be found on the web at: www.nass.usda.gov/ne/variety.htm

We express our appreciation to the Nebraska Crop Improvement Association for variety descriptions and the UNL Agronomy Department for content review. For additional information on specific varieties, please contact the Nebraska Crop Improvement Association at (402)472-1444.

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