

Released February 2005, by the Nebraska Agricultural Statistics Service, USDA. For more information contact us at: 100 Centennial Mall North, Suite 298, Lincoln, NE 68508, 402-437-5541, e-mail at [nass-ne@nass.usda.gov](mailto:nass-ne@nass.usda.gov), Internet at <http://www.usda.gov/nass/>.

## Jagalene Most Popular Variety Planted for 2005

### Highlights

For the first time, Jagalene was the most popular winter wheat variety planted in Nebraska, replacing Alliance, which was the top planted variety the previous four years. Jagalene first appeared in the state in 2003 and quickly rose in popularity. Pronghorn, introduced in 1997, increased to become the second most popular variety, with Millennium slipping to third.

For the 2005 crop, Jagalene accounted for 16.8 percent of the acreage while Pronghorn was planted on 11.4 percent. Millennium was planted on 10.7 percent with Alliance dropping to fourth place at 10.1 percent. Wesley improved to finish fifth with 5.5 percent.

### District Highlights

Jagalene was the most popular wheat variety in the South, Southwest, East and Southeast. Pronghorn came in first in the Northwest, helping it become the second most popular variety planted in the state. Arapahoe was the most popular in the North district. Wesley was ranked first in the Central District, helping it improve to fifth overall.

### Hard White Winter Wheat: Percent of Planted Acreage, Nebraska, 2001-2005

Variety	2001	2002	2003	2004	2005
<i>Percent</i>					
All White Varieties	0.6	0.2	2.0	1.7	1.9

Of the total hard white winter wheat acreage reported for 2005, 86 percent was planted to Platte, 9 percent to NuFrontier, and 2 percent to Trego. The remaining 3 percent was unspecified or too small to publish.

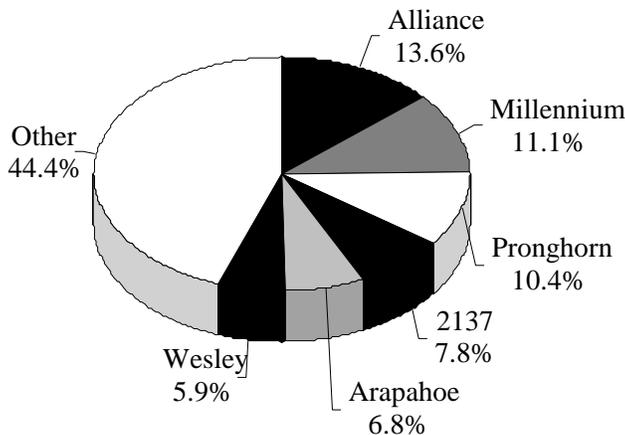
### Funding

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

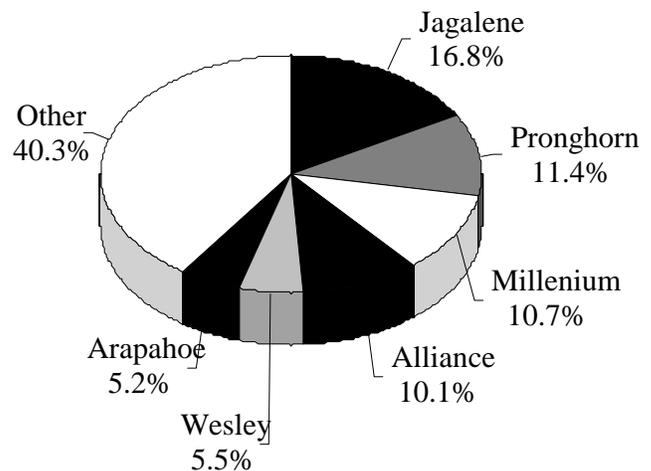
### Data Source

This wheat variety data was provided by the voluntary reports of nearly twelve hundred Nebraska wheat producers who responded to the 2004 Fall Agricultural Report. The summary included reports representing sixteen percent of the state's total planted acreage estimate.

### Top Wheat Varieties for 2004



### Top Wheat Varieties for 2005



## Variety Descriptions

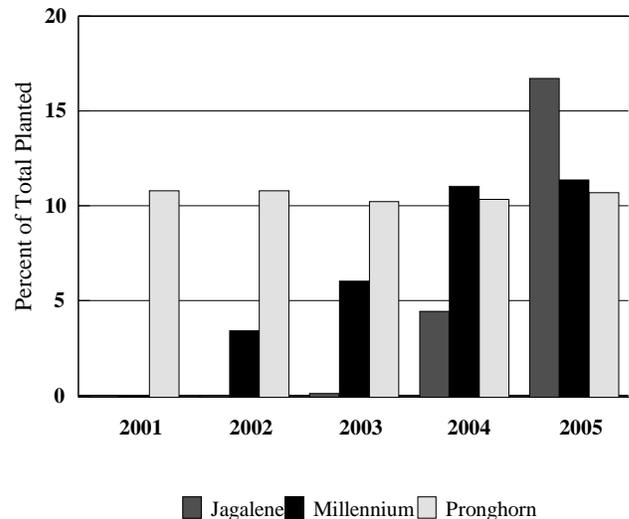
**Jagalene** is a medium maturing variety with excellent straw strength. This variety has very good winter hardiness and excellent milling and baking qualities. It is resistant to stem rust, leaf rust and soilborne wheat mosaic virus. It is moderately resistant to wheat streak mosaic virus and is susceptible to Hessian fly. Jagalene is widely adapted and demonstrates good disease resistance and drought tolerance. Jagalene was selected from the cross Abilene/Jagger.

**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.

**Top Wheat Varieties for 2005**  
Historical Comparison by Year



## Winter Wheat: Percent Planted to Each Variety Nebraska, 1997-2005

Variety	1997	1998	1999	2000	2001	2002	2003	2004	2005
<i>Percent</i>									
Jagalene (AgriPro)							2	4.5	16.8
Pronghorn	1	4.6	7.8	6.9	10.9	10.8	10.3	10.4	11.4
Millennium					1	3.5	6.1	11.1	10.7
Alliance	7.3	8.4	10.4	15.1	16.0	16.6	11.5	13.6	10.1
Wesley				1	1.1	2.2	3.6	5.9	5.5
Arapahoe	30.1	28.3	25.0	19.8	13.4	13.0	8.7	6.8	5.2
2137	1	1.4	3.6	8.2	10.4	8.0	10.3	7.8	4.3
Buckskin	6.0	6.5	5.0	2.9	4.7	6.2	7.3	4.9	3.7
Jagger	1	1	1.1	2.9	2.4	3.4	3.9	2.8	3.1
Karl/Karl 92	6.9	6.6	5.5	4.4	4.1	3.3	3.8	3.3	2.7
Centura	9.8	7.7	7.7	6.9	3.7	3.4	1.8	2.1	2.4
Niobrara	6.5	7.5	11.4	10.3	9.3	6.9	5.4	3.5	2.2
Ogallala (AgriPro)	1.5	1.6	1.2	1.4	2.2	1.5	3.6	2.4	2.0
Thunderbolt (AgriPro)						2	2.0	3.0	1.9
Wahoo						1	1.8	1.7	1.8
Abilene (AgriPro)	2.2	2.4	2.7	2.7	2.5	1.3	1.4	1.7	1.7
Goodstreak								1	1.7
Platte (Incl Clearfield)						2	1.0	1.3	1.6
Other Public	18.4	17.0	11.2	12.7	14.0	14.2	12.3	8.8	7.2
Other Private	11.3	7.0	7.4	5.8	5.3	5.7	5.2	4.4	4.0
<i>Thousand Acres</i>									
Total Planted	2,000	1,900	1,900	1,750	1,750	1,650	1,900	1,850	1,850

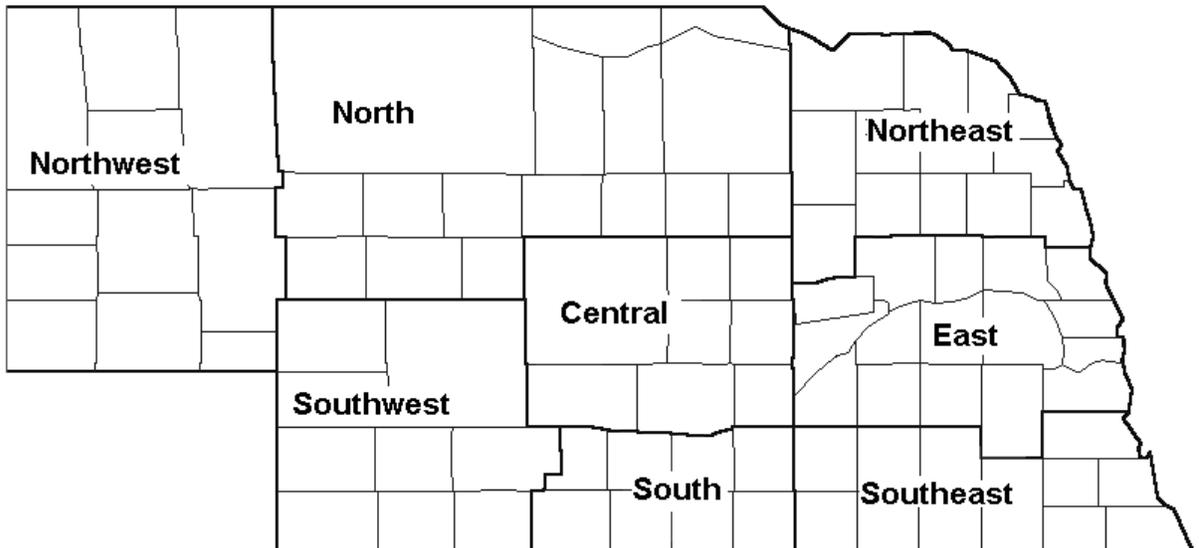
<sup>1</sup> Less than one percent, included in Other Public. <sup>2</sup> Less than one percent, included in Other Private.

## Winter Wheat: Percent Planted to Each Variety by District, Nebraska, 2005

Variety	Northwest	North	Northeast <sup>1</sup>	Central	East	Southwest	South	Southeast	State
<i>Percent</i>									
Jagalene (AgriPro)	4.7			13.9	27.6	20.6	37.4	24.1	16.8
Pronghorn	24.4					5.9		0.3	11.4
Millennium	11.7			9.7	6.4	12.8	11.3	3.3	10.7
Alliance	12.0	28.5			0.8	16.8	0.1		10.1
Wesley	3.4	14.2		18.7	10.0	1.4	5.7	18.6	5.5
Arapahoe	5.5	29.8		13.0	8.1	4.5	4.4	3.6	5.2
2137	1.0			1.9	9.8	3.8	6.5	14.1	4.3
Buckskin	9.4								3.7
Jagger	0.6	1.0		0.4	2.5	6.8	3.1	2.5	3.1
Karl/Karl 92		3.0			1.2		5.6	16.1	2.7
Centura	5.7				0.8	0.6			2.4
Niobrara	2.7			4.9		3.2	0.3		2.2
Ogallala (AgriPro)	1.0	1.5		14.2	4.0	0.8	7.4		2.0
Thunderbolt (AgriPro)	0.1			5.8		4.0	3.8	0.1	1.9
Wahoo	0.2			3.2	19.3	1.3	0.5	4.9	1.8
Abilene (AgriPro)	1.6					1.8	3.2	1.3	1.7
Goodstreak	4.2					0.2			1.7
Platte (Incl Clearfield)	0.3					4.5	0.9		1.6
Other Public	7.0	1.1		7.8	7.4	8.2	5.8	7.7	7.2
Other Private	4.5	20.9		6.5	2.1	2.8	4.0	3.4	4.0
<i>Thousand Acres</i>									
Total Planted <sup>2</sup>	720	14.5	5.5	46	49	570	225	220	1,850

<sup>1</sup>Insufficient data to establish level. <sup>2</sup>Preliminary.

### Nebraska Agricultural Statistics Districts



**Winter Wheat: Acres Planted to Each Variety  
Nebraska, 1997-2005**

Variety	1997	1998	1999	2000	2001	2002	2003	2004 <sup>1</sup>	2005
<i>Thousand Acres</i>									
Jagalene (AgriPro)								84	310
Pronghorn		87	149	121	191	178	196	192	210
Millennium						57	116	205	197
Alliance	146	160	197	264	280	275	218	252	187
Wesley					19	36	68	109	102
Arapahoe	602	538	474	346	234	215	165	127	97
2137		27	68	143	182	132	196	144	80
Buckskin	120	123	94	51	82	103	139	91	68
Jagger			21	51	42	55	74	53	58
Karl/Karl 92	138	125	105	77	72	54	72	60	49
Centura	196	146	145	121	65	55	34	39	45
Niobrara	130	142	217	180	163	115	103	65	41
Ogallala (AgriPro)	30	30	23	25	38	25	68	45	37
Thunderbolt (AgriPro)							38	55	35
Wahoo							34	32	34
Abilene (AgriPro)	44	46	52	47	44	21	27	31	32
Goodstreak									31
Platte (Incl Clearfield)							19	24	30
Other Public	368	324	204	235	248	236	235	161	134
Other Private	226	152	151	89	90	93	98	81	73
<b>Total Planted</b>	<b>2,000</b>	<b>1,900</b>	<b>1,900</b>	<b>1,750</b>	<b>1,750</b>	<b>1,650</b>	<b>1,900</b>	<b>1,850</b>	<b>1,850</b>

<sup>1</sup> Revised.

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