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## ALLIANCE MOST POPULAR VARIETY PLANTED FOR 2001

**Highlights:** Alliance became the most popular winter wheat variety planted in Nebraska for the 2001 crop year. It first appeared in the State in 1994 and has steadily increased in popularity. Arapahoe fell to second after holding the top spot the previous eight years.

For the 2001 crop, Alliance accounted for 16.0 percent of the acreage and Arapahoe 13.4 percent. Pronghorn jumped from fifth to third with 10.9 percent and 2137 was fourth with 10.4 percent. Niobrara fell from third to fifth with 9.3 percent.

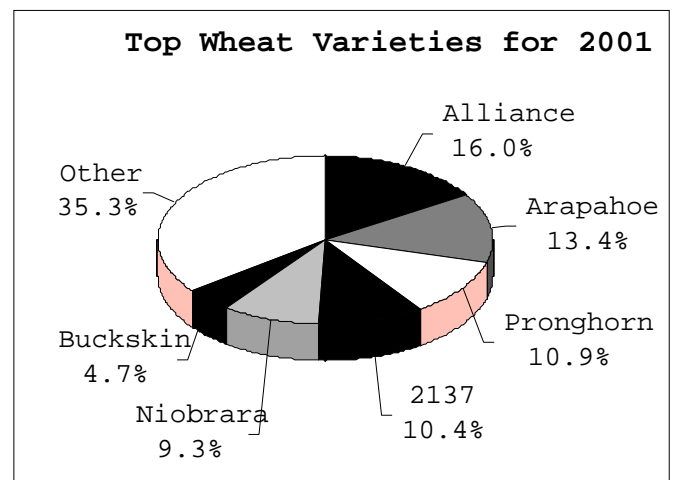
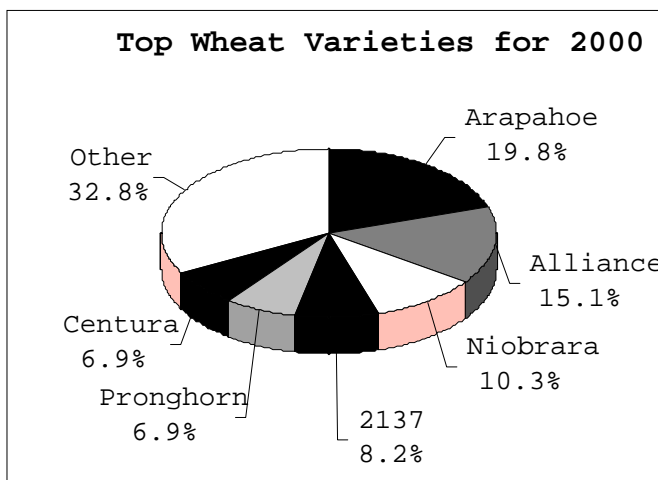
Hard white winter wheat varieties are gaining in popularity but account for less than 1 percent of the acreage.

**District Highlights:** Alliance was the most popular wheat variety in the Northwest which accounts for nearly 45 percent of Nebraska's wheat acres. It was third in the Southwest but was hard to find in the Central and

Eastern areas. Arapahoe was most popular in the Central and East Central and was fairly common Statewide. 2137 topped the list in the South Central and Southeast while Niobrara was most popular in the Southwest. Pronghorn's strong third place showing was due to its popularity in the Northwest and Southwest but was not found in the Central and Eastern areas.

**Data Source:** This wheat variety data was provided by the voluntary reports of approximately one thousand Nebraska wheat producers who responded to the 2000 Fall Agricultural Report. The summary included reports representing twelve percent of the State's total planted acreage estimate.

**Funding:** "Nebraska Wheat Varieties" was made possible with wheat producer check off funds provided by the Nebraska Wheat Board.



# Variety Descriptions

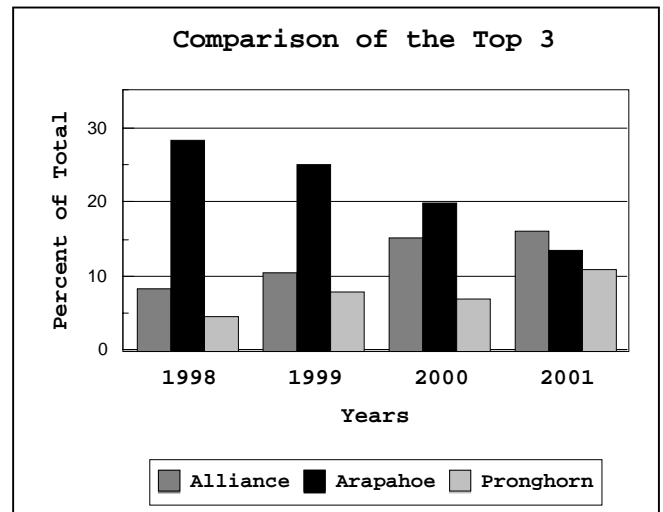
The moderately short height and early maturing variety, **Alliance**, has fair to good winter hardiness, fair test weight, acceptable protein, and good milling/baking qualities. This variety was produced from a cross of Arkan, Colt, and Chisholm sister line by Nebraska and the USDA-ARS. It has shown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

Even though **Arapahoe** has declined over the past six years, its winter hardiness and tillering ability have been noted qualities of this second most popular wheat variety grown in Nebraska. This variety with medium maturity and height was developed by Nebraska and the USDA-ARS, from a cross of five varieties: Burle, Parker, Agent, Belot.198, and Lancer. Arapahoe has good protein levels, test weight, and milling/baking qualities. It is resistant to stem rust and moderately resistant to leaf rust.

**Pronghorn** is a tall variety of moderately early maturity with 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.

Variety Descriptions were provided by the Nebraska Crop Improvement Association.



NEBRASKA--WINTER WHEAT VARIETIES, 2001 CROP  
ESTIMATED PERCENTAGE PLANTED TO EACH VARIETY BY DISTRICTS

| Variety                | North-west | North Central 1/ | North-east 1/ | Central | East Central | South-west | South Central | South-east | State |
|------------------------|------------|------------------|---------------|---------|--------------|------------|---------------|------------|-------|
| Alliance               | 24.3       |                  |               | ---     | 0.6          | 15.5       | 0.6           | 0.2        | 16.0  |
| Arapahoe               | 10.9       |                  |               | 39.5    | 34.7         | 16.5       | 8.3           | 9.6        | 13.4  |
| Pronghorn              | 21.7       |                  |               | ---     | ---          | 3.9        | ---           | ---        | 10.9  |
| 2137                   | 4.0        |                  |               | 12.1    | 11.1         | 9.5        | 20.3          | 34.1       | 10.4  |
| Niobrara               | 4.2        |                  |               | 4.1     | 0.8          | 20.8       | 7.0           | ---        | 9.3   |
| Buckskin               | 10.0       |                  |               | ---     | ---          | 0.6        | ---           | 0.6        | 4.7   |
| Karl/Karl 92           | ---        |                  |               | ---     | 9.5          | 0.2        | 13.4          | 26.7       | 4.1   |
| Centura                | 6.7        |                  |               | ---     | 0.6          | 2.2        | 0.1           | ---        | 3.7   |
| Culver                 | 0.2        |                  |               | 7.9     | 0.4          | 4.5        | 9.4           | 4.6        | 3.1   |
| Abilene (AgriPro)      | 2.4        |                  |               | 14.6    | 3.7          | 2.2        | 4.0           | 0.2        | 2.5   |
| Jagger                 | 1.0        |                  |               | ---     | ---          | 3.1        | 3.2           | 7.1        | 2.4   |
| Ogallala (AgriPro)     | 0.3        |                  |               | 5.0     | 0.4          | 3.2        | 8.5           | 0.1        | 2.2   |
| Thunderbird (AgriPro)  | 2.2        |                  |               | 2.6     | 14.0         | 1.5        | 1.1           | 1.8        | 1.9   |
| Vista                  | 0.3        |                  |               | 1.5     | ---          | 4.2        | 1.4           | 0.2        | 1.7   |
| Windstar               | 0.7        |                  |               | 0.2     | ---          | 2.4        | 5.0           | 0.1        | 1.6   |
| Hondo (AgriPro)        | ---        |                  |               | 1.3     | 7.1          | 0.5        | 5.3           | 3.1        | 1.2   |
| Wesley                 | 0.1        |                  |               | 0.7     | 2.2          | 1.2        | 1.0           | 5.5        | 1.1   |
| Other Public           | 10.1       |                  |               | 3.4     | 14.1         | 4.8        | 7.1           | 5.2        | 7.6   |
| Other Private          | 0.9        |                  |               | 7.1     | 0.8          | 3.2        | 4.3           | 0.9        | 2.2   |
| Total Ac Planted (000) | 807        | 12               | 3             | 25      | 23           | 570        | 200           | 160        | 1,800 |

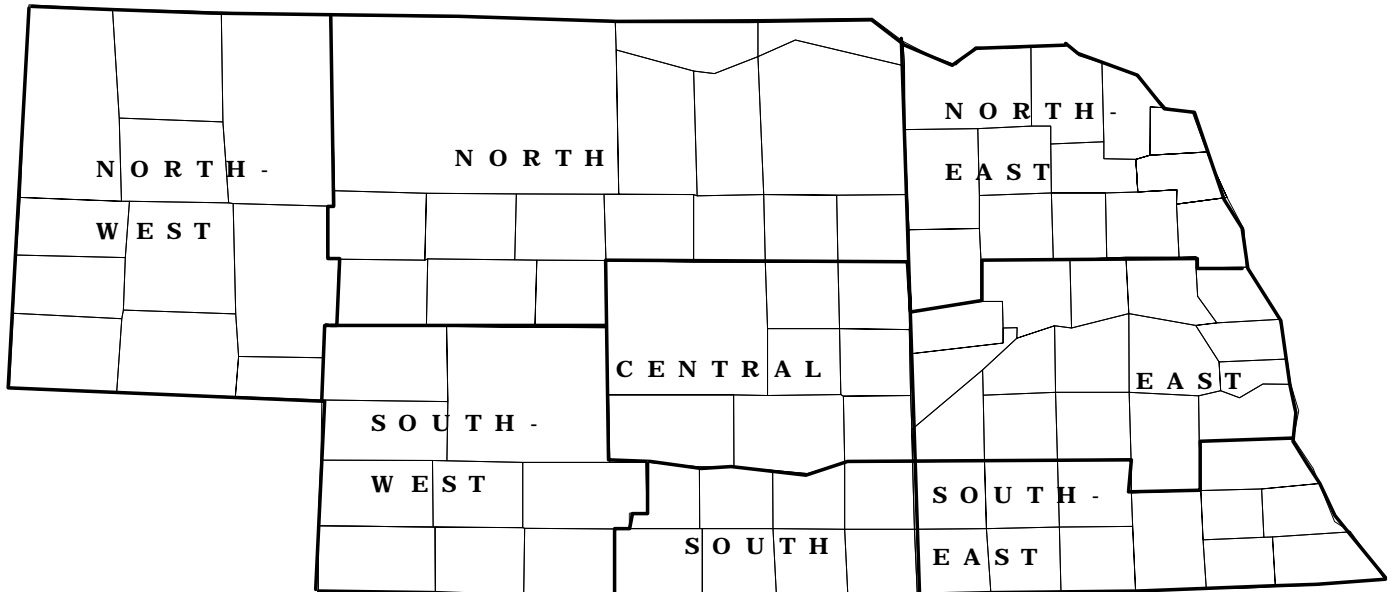
1/ Insufficient data to establish level.

**NEBRASKA--WINTER WHEAT VARIETIES  
ESTIMATED PERCENTAGE PLANTED TO EACH VARIETY, 1994-2001**

| Variety               | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|-----------------------|------|------|------|------|------|------|------|------|
| Alliance              | *    | *    | 2.7  | 7.3  | 8.4  | 10.4 | 15.1 | 16.0 |
| Arapahoe              | 32.9 | 33.6 | 31.6 | 30.1 | 28.3 | 25.0 | 19.8 | 13.4 |
| Pronghorn             | ---  | ---  | ---  | *    | 4.6  | 7.8  | 6.9  | 10.9 |
| 2137                  | ---  | ---  | ---  | *    | 1.4  | 3.6  | 8.2  | 10.4 |
| Niobrara              | ---  | *    | 1.4  | 6.5  | 7.5  | 11.4 | 10.3 | 9.3  |
| Buckskin              | 5.5  | 4.0  | 5.8  | 6.0  | 6.5  | 5.0  | 2.9  | 4.7  |
| Karl/Karl 92          | 3.8  | 6.9  | 7.3  | 6.9  | 6.6  | 5.5  | 4.4  | 4.1  |
| Centura               | 11.1 | 8.0  | 9.1  | 9.8  | 7.7  | 7.7  | 6.9  | 3.7  |
| Culver                | ---  | ---  | ---  | ---  | ---  | ---  | *    | 3.1  |
| Abilene (AgriPro)     | 3.0  | 4.1  | 2.8  | 2.2  | 2.4  | 2.7  | 2.7  | 2.5  |
| Jagger                | ---  | ---  | *    | *    | *    | 1.1  | 2.9  | 2.4  |
| Ogallala (AgriPro)    | **   | **   | 2.2  | 1.5  | 1.6  | 1.2  | 1.4  | 2.2  |
| Thunderbird (AgriPro) | 10.0 | 7.8  | 5.9  | 5.7  | 3.5  | 3.9  | 2.8  | 1.9  |
| Vista                 | *    | 4.6  | 3.6  | 4.6  | 3.9  | 2.1  | 2.7  | 1.7  |
| Windstar              | ---  | ---  | ---  | ---  | *    | 1.3  | 1.6  | 1.6  |
| Hondo (AgriPro)       | ---  | ---  | ---  | ---  | ---  | ---  | **   | 1.2  |
| Wesley                | ---  | ---  | ---  | ---  | ---  | ---  | *    | 1.1  |
| Other Public 1/       | 26.5 | 23.8 | 20.4 | 13.8 | 13.1 | 7.8  | 8.4  | 7.6  |
| Other Private         | 7.2  | 7.2  | 7.2  | 5.6  | 4.5  | 3.5  | 3.0  | 2.2  |

\* Included in "Other Public". \*\* Included in "Other Private". 1/ Other public varieties planted for 2001 include 2163, Akron, Brule, Gage, Ike, Lamar, Lancer, Millennium, Nekota, Rawhide, Redland, Scout 66, Siouxland, Tam 107, and Vona.

**NEBRASKA AGRICULTURAL STATISTICS DISTRICT**



**NEBRASKA--WINTER WHEAT VARIETIES  
ESTIMATED ACREAGE PLANTED TO EACH VARIETY, 1994-2001**

| Variety               | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 1/ | 2000 1/ | 2001 |
|-----------------------|------|------|------|------|------|---------|---------|------|
| THOUSAND ACRES        |      |      |      |      |      |         |         |      |
| Alliance              | *    | *    | 62   | 146  | 160  | 197     | 264     | 288  |
| Arapahoe              | 724  | 722  | 726  | 602  | 538  | 474     | 346     | 241  |
| Pronghorn             | ---  | ---  | ---  | *    | 87   | 149     | 121     | 197  |
| 2137                  | ---  | ---  | ---  | *    | 27   | 68      | 143     | 188  |
| Niobrara              | ---  | *    | 32   | 130  | 142  | 217     | 180     | 167  |
| Buckskin              | 121  | 86   | 134  | 120  | 123  | 94      | 51      | 85   |
| Karl/Karl 92          | 84   | 148  | 167  | 138  | 125  | 105     | 77      | 73   |
| Centura               | 244  | 172  | 209  | 196  | 146  | 145     | 121     | 67   |
| Culver                | ---  | ---  | ---  | ---  | ---  | ---     | *       | 55   |
| Abilene (AgriPro)     | 66   | 88   | 64   | 44   | 46   | 52      | 47      | 45   |
| Jagger                | ---  | ---  | *    | *    | *    | 21      | 51      | 44   |
| Ogallala (AgriPro)    | **   | **   | 49   | 30   | 30   | 23      | 25      | 39   |
| Thunderbird (AgriPro) | 220  | 168  | 135  | 114  | 67   | 75      | 49      | 35   |
| Vista                 | *    | 99   | 84   | 92   | 74   | 41      | 47      | 30   |
| Windstar              | ---  | ---  | ---  | ---  | *    | 25      | 28      | 29   |
| Hondo (AgriPro)       | ---  | ---  | ---  | ---  | ---  | ---     | **      | 21   |
| Wesley                | ---  | ---  | ---  | ---  | ---  | ---     | *       | 19   |
| Other Public 2/       | 582  | 512  | 474  | 276  | 250  | 147     | 147     | 137  |
| Other Private         | 159  | 155  | 164  | 112  | 85   | 67      | 53      | 40   |
| State Totals          | 2200 | 2150 | 2300 | 2000 | 1900 | 1900    | 1750    | 1800 |

\* Included in "Other Public". \*\* Included in "Other Private". 1/ Revised. 2/Other public varieties planted for 2001 include 2163, Akron, Brule, Gage, Ike, Lamar, Lancer, Millennium, Nekota, Rawhide, Redland, Scout 66, Siouxland, Tam 107, and Vona.

***NOTE: We express our appreciation to the Nebraska Wheat Board for funding and Nebraska Crop Improvement Association for their input. For additional information on specific varieties, please contact:***

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