

1996 North Dakota Barley Varieties

July 15, 1996

Highlights

Stander advanced to the most popular barley variety in North Dakota for 1996, narrowly surpassing **Robust**, the leading variety for the previous eleven years. These top two varieties accounted for over three-fourths of the total barley acres planted in 1996. **Stander** was released in 1993 and quickly gained popularity to represent 39.4 percent of the total 1996 barley acreage. **Robust** held a close second with 38.4 percent. Rounding out the top five varieties were **Excel** with 5.5 percent, **Stark** with 3.7 percent, and **Foster** with 3.7 percent. **Stander**, **Robust**, **Excel**, **Foster** and **Morex** are all recommended for malting by the American Malting Barley Association (AMBA), Inc.

North Dakota continued to rank first in all barley acreage, representing 37 percent of the nation's total, with 2.65 million acres in 1996.

These data are based on reports from 1,100 barley producers in a survey conducted in June by USDA's North Dakota Agricultural Statistics Service. The American Malting Barley Association, Inc. and the North Dakota Barley Council provided supporting funds for the survey. North Dakota State University Extension Service provided variety descriptions.

Malting Varieties

Stander, a 1993 Minnesota release, gained quick popularity and rose to become the top malting barley variety in 1996, with 39.4 percent of total acres planted. It was recommended for malting the first time in 1995 by the AMBA. **Stander** was the top variety in the northwest, northeast, west central, and east central districts. It is described as medium short with very strong straw strength, and medium relative maturity.

Robust fell to second place after holding the top position for eleven years. It accounted for 38.4 percent, down from 44.1 in 1995. **Robust** led in popularity in the north central, central, and southeast districts. **Robust**, characterized by tall height, has medium-strong straw and medium relative maturity.

Excel, third in malting barley varieties, dropped in popularity for the second year, from 6.0 percent of all barley acres in 1995, to 5.5 percent in 1996. Much of its acreage was in the northeast and central districts. It has medium-short height, very strong straw, and medium maturity.

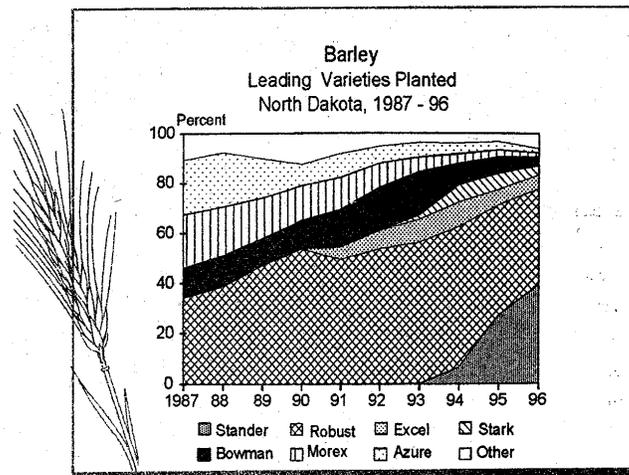
Foster was fourth among malting barley varieties with 3.7 percent of all barley. A North Dakota release, it held 0.3 percent in 1995, its first year available. **Foster** was recommended for malting in early July 1996. A six-rowed barley, it was planted throughout most of the state, but was more popular in the eastern districts. **Foster** is characterized as medium short with very strong straw and medium relative maturity.

Morex was fifth, continuing its ten year decline in popularity. The 1978 release fell from 2.7 percent in 1995 to 1.8 percent in 1996. **Morex** has tall height with early relative maturity and medium straw strength.

Feed Varieties

Stark was the top feed barley variety, slightly ahead of **Foster** by 700 acres. The 1995 feed barley leader, **Stander**, has since been recommended for malting. **Stark** was fourth among all varieties with 3.7 percent, below its 1995 finish of 6.3 percent. The two-rowed variety was especially popular in the west central, southwest, and south central districts. The medium height variety has medium-strong straw strength and medium-late maturity.

Bowman was second among feed barley varieties with 3.6 percent, continuing its acreage decline since 1993. It was popular in the south central and southwest districts. **Bowman**, a short, two-rowed variety, has medium-strong straw and a medium-early maturing rate.



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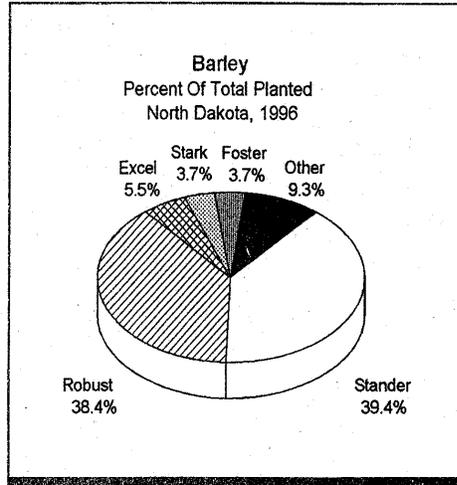


BARLEY VARIETIES (Continued)

**PERCENT OF ACREAGE PLANTED BY VARIETY
NORTH DAKOTA, 1992-96**

Variety	1992	1993	1994	1995	1996	
					Pct.	Acres Planted
	----- Percent -----				(000)	
* Stander	0.0	0.2	6.6	27.3	39.4	1,043.2
* Robust	53.5	55.9	56.0	44.1	38.4	1,017.1
* Excel	7.3	9.4	9.9	6.0	5.5	146.4
Stark	0.1	1.6	6.6	6.3	3.7	97.9
* Foster	0.0	0.0	0.0	0.3	3.7	97.2
Bowman	17.3	17.5	9.1	7.0	3.6	96.5
* Morex	9.8	5.8	3.6	2.7	1.8	48.5
* Azure	6.8	5.9	4.3	3.4	1.6	42.3
Hazen	0.8	0.3	1.0	0.1	0.4	10.3
Other	4.4	3.4	2.9	2.8	1.9	50.6
ALL VARIETIES	100.0	100.0	100.0	100.0	100.0	2,650.0

* Recommended for malting and brewing by the American Malting Barley Association, Inc.



PERCENT AND ACREAGE PLANTED BY AGRICULTURAL STATISTICS DISTRICTS, NORTH DAKOTA, 1996

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	----- Percent Planted -----									
Stander	52.4	36.9	49.1	24.8	27.3	47.3	0.0	7.8	12.3	39.4
Robust	23.8	50.8	41.9	23.6	39.7	37.5	0.0	2.3	58.4	38.4
Excel	7.7	3.3	3.0	15.6	17.1	2.6	0.0	8.1	6.4	5.5
Stark	3.2	0.3	0.1	13.2	1.0	0.1	53.9	21.8	6.5	3.7
Foster	3.2	2.2	4.0	0.0	2.6	7.8	0.0	0.0	4.9	3.7
Bowman	1.8	0.0	0.0	11.4	1.1	0.2	41.4	49.5	0.7	3.6
Morex	2.4	5.7	0.6	6.3	0.0	0.9	0.0	0.8	0.0	1.8
Azure	0.2	0.3	0.9	0.0	8.4	0.9	0.0	1.8	3.5	1.6
Hazen	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.4
Other	5.1	0.7	0.3	5.1	2.9	0.1	4.7	8.1	7.3	1.9
	----- Thousand Acres -----									
Stander	131.0	177.0	432.5	22.3	76.3	184.4	0.0	6.2	13.5	1,043.2
Robust	59.6	243.9	369.0	21.2	111.1	146.3	0.0	1.8	64.2	1,017.1
Excel	19.3	15.6	26.2	14.0	47.8	10.0	0.0	6.5	7.0	146.4
Stark	8.0	1.3	0.5	11.9	2.7	0.4	48.5	17.4	7.2	97.9
Foster	8.1	10.4	35.5	0.0	7.4	30.4	0.0	0.0	5.4	97.2
Bowman	4.6	0.0	0.0	10.3	3.0	0.9	37.3	39.6	0.8	96.5
Morex	6.1	27.4	5.1	5.7	0.0	3.6	0.0	0.6	0.0	48.5
Azure	0.6	1.2	8.2	0.0	23.6	3.4	0.0	1.4	3.9	42.3
Hazen	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	10.3
Other	12.7	3.2	3.0	4.6	8.1	0.3	4.2	6.5	8.0	50.6
ALL VARIETIES	250.0	480.0	880.0	90.0	280.0	390.0	90.0	80.0	110.0	2,650.0