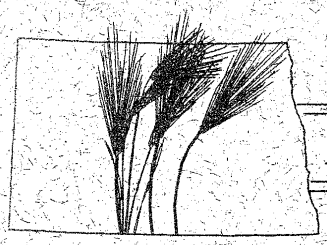


1994 North Dakota Barley Varieties

July 15, 1994

Highlights

Robust remained the most popular barley variety in North Dakota during 1994. It accounted for 56.0 percent of the 2.6 million acres planted, up slightly from 55.9 in 1993. Robust has led for ten consecutive years. Excel moved up to second, accounting for 9.9 percent. Bowman was third with 9.1 percent followed by Stark and Stander, both with 6.6 percent. Robust and Excel are recommended for malting and brewing by the American Malting Barley Association, Inc. The top five varieties accounted for 88.2 percent of the total barley planted.

These data are based on results of a June survey of 1,750 producers conducted by USDA's North Dakota Agricultural Statistics Service. Supporting funds for the survey were provided by the American Malting Barley Association, Inc. and the North Dakota Barley Council. North Dakota State University Extension Service provided variety descriptions.

North Dakota ranks first in all barley acreage, accounting for 36 percent of the nation's total, with 2.6 million acres in 1994.

Malting Varieties

Robust remained the number one malting barley variety in North Dakota in 1994 by a large margin over Excel, Azure and Morex, three other popular malting varieties. Robust accounted for 56.0 percent of the total acres planted. It was the leading variety in the northwest, north central, northeast, central, east central, and southeast districts. Robust, characterized by tall height, medium-strong straw, medium relative maturity, is moderately susceptible to leaf diseases.

Excel, a 1990 Minnesota variety, was the second leading malting variety for two consecutive years. It accounted for 9.9 percent of all barley acres, up from 9.4 in 1993. Excel's popularity has been increasing since it's release in 1990. It has medium-short height, very strong straw, medium maturity and is moderately susceptible to leaf diseases.

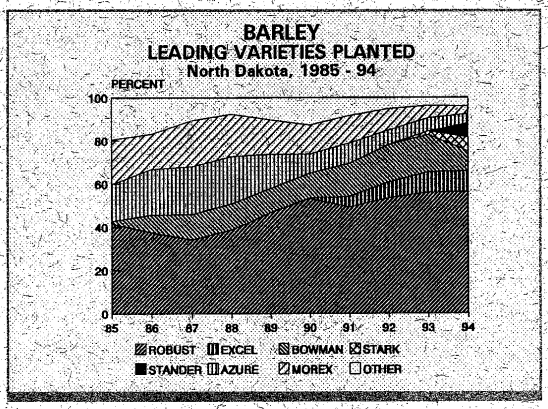
Azure remained the third place malting barley, accounting for only 4.3 percent of all barley acres, down from 5.9 in 1993. It has been losing popularity since 1988, with only one slight increase in 1991. Azure has medium height, strong straw, medium-early maturity and is moderately susceptible to leaf diseases.

Morex was the fourth most popular malting barley. Morex's popularity has been dropping for eight consecutive years, from 5.8 percent in 1993 to 3.6 percent in 1994. It is characterized by tall height with early relative maturity, medium straw strength and is moderately susceptible to leaf disease.

Feed Varieties

Bowman remained first among feed varieties but dropped to third among all barley. Bowman accounted for 9.1 percent of the total barley acres planted in 1994 compared to 17.5 last year. It was the most popular of all varieties in the west central, southwest and south central districts. Bowman is short, has medium-strong straw, is medium-early maturing and is moderately susceptible to leaf disease.

Stark and **Stander** tied for second place among most popular feed varieties, each with 6.6 percent of the total acres planted. Stark was popular in the northwest, west central, southwest and south central districts, while Stander was popular in the northeast.



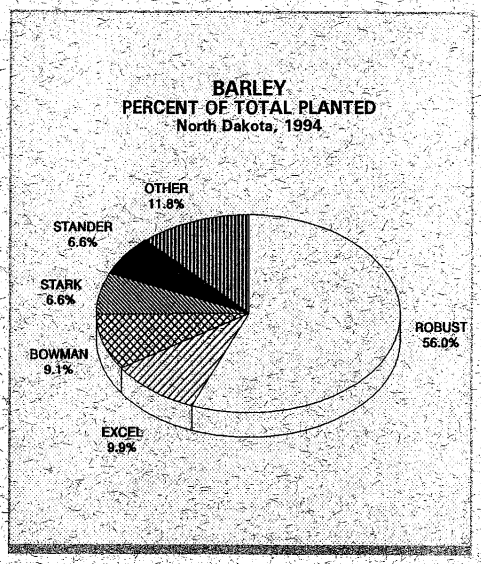
~ Compiled and Published by ~
N.D. Agricultural Statistics Service, USDA • P.O. Box 3166, Fargo, ND 58108-3166 • 701-239-5306

BARLEY VARIETIES (Continued)

PERCENT OF ACREAGE PLANTED BY VARIETY, NORTH DAKOTA, 1990 - 94

Variety	1990	1991	1992	1993	1994 Pct.	1994 Acres Planted
	Percent					(000)
* Robust	53.2	49.1	53.5	55.9	56.0	1,455.5
* Excel	0.2	4.8	7.3	9.4	9.9	257.3
Bowman	11.6	15.6	17.3	17.5	9.1	236.3
Stark	0.0	0.0	0.1	1.6	6.6	172.0
Stander	0.0	0.0	0.0	0.2	6.6	171.5
* Azure	8.7	9.5	6.8	5.9	4.3	110.8
* Morex	13.8	12.7	9.8	5.8	3.6	94.8
Hazen	0.3	0.5	0.8	0.3	1.0	26.1
Gallatin	0.4	1.2	1.1	1.6	0.9	22.3
B 2912	0.0	0.0	0.1	0.2	0.3	8.8
Hector	1.0	1.3	0.7	0.4	0.3	8.1
Larker	0.5	0.4	0.4	0.2	0.3	7.9
Other	10.3	4.9	2.1	1.0	1.1	28.6
ALL VARIETIES	100.0	100.0	100.0	100.0	100.0	2,600.0

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



PERCENT AND ACREAGE PLANTED BY AGRICULTURAL STATISTICS DISTRICTS, NORTH DAKOTA, 1994

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	Percent Planted									
Robust	32.2	64.6	81.0	10.3	41.4	78.5	0.0	5.8	52.7	56.0
Excel	17.8	11.7	3.4	15.1	23.3	7.0	0.7	4.2	14.1	9.9
Bowman	11.8	1.7	0.0	28.6	3.5	0.0	56.3	55.0	5.1	9.1
Stark	13.2	0.9	0.0	28.3	4.5	0.3	30.1	25.5	6.1	6.6
Stander	4.2	9.3	12.9	0.0	1.7	6.8	0.0	0.0	0.2	6.6
Azure	1.2	1.2	0.4	1.2	25.0	4.1	1.1	2.3	9.4	4.3
Morex	7.7	9.6	1.3	2.1	0.5	2.2	0.0	4.1	4.2	3.6
Hazen	7.3	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.9	1.0
Gallatin	1.6	0.0	0.0	5.5	0.0	0.0	8.3	0.0	0.0	0.9
Busch 2912	0.0	0.4	0.2	0.0	0.0	0.8	0.1	0.0	1.2	0.3
Hector	1.1	0.0	0.0	0.9	0.0	0.0	0.0	2.8	0.0	0.3
Larker	0.2	0.0	0.2	3.2	0.0	0.1	0.0	0.3	0.5	0.3
Other	1.7	0.6	0.6	3.0	0.0	0.2	3.4	0.0	4.6	1.1
	Thousand Acres									
Robust	90.1	258.2	550.8	14.4	99.3	345.5	0.0	7.6	89.6	1,455.5
Excel	49.7	46.6	22.8	21.2	56.0	30.9	0.8	5.4	23.9	257.3
Bowman	33.1	6.9	0.0	40.0	8.5	0.0	67.6	71.5	8.7	236.3
Stark	36.9	3.4	0.3	39.6	10.9	1.2	36.1	33.2	10.4	172.0
Stander	11.8	37.2	88.0	0.0	4.0	30.1	0.0	0.0	0.4	171.5
Azure	3.3	4.6	2.9	1.7	60.1	17.9	1.3	3.0	16.0	110.8
Morex	21.6	38.5	8.6	2.9	1.2	9.5	0.0	5.3	7.2	94.8
Hazen	20.3	0.0	0.0	2.5	0.0	0.0	0.0	0.0	3.3	26.1
Gallatin	4.6	0.0	0.0	7.7	0.0	0.0	10.0	0.0	0.0	22.3
Busch 2912	0.0	1.5	1.5	0.0	0.0	3.6	0.1	0.0	2.1	8.8
Hector	3.2	0.0	0.0	1.3	0.0	0.0	0.0	3.6	0.0	8.1
Larker	0.6	0.0	1.1	4.5	0.0	0.4	0.0	0.4	0.9	7.9
Other	4.8	3.1	4.0	4.2	0.0	0.9	4.1	0.0	7.5	28.6
ALL VARIETIES	280.0	400.0	680.0	140.0	240.0	440.0	120.0	130.0	170.0	2,600.0