

## Origin of other malting

barley varieties currently grown in North Dakota:

**Robust** – University of Minnesota, 1983

**Lacey** – University of Minnesota, 1999

**Drummond** – North Dakota State University, 2000

**Legacy** – Busch Agricultural Resources, Inc., 2000

**Conlon** – North Dakota State University, 1997 (two-rowed)

## For additional information

about these and other barley varieties, refer to the most recent Barley Variety Selection Guide [www.ext.nodak.edu/extpubs/plantscie/smgrains/a1049w.htm](http://www.ext.nodak.edu/extpubs/plantscie/smgrains/a1049w.htm) or contact the NDSU barley breeder or Extension agronomist at (701) 231-7971.

For more information on the Tradition Barley Seed Increase Program, contact:

ND Foundation Seedstock Project  
PO Box 5051, Fargo, ND 58105  
(701) 231-8140

[www.ag.ndsu.nodak.edu/aginfo/seedstock/fss](http://www.ag.ndsu.nodak.edu/aginfo/seedstock/fss)

The production and distribution of Foundation Tradition barley seed is a cost-reco very service provided by the North Dakota Foundation Seedstocks Project for the benefit of North Dakota producers. Neither NDSU nor the ND Crop Improvement and Seed Association (NDCISA) make any guarantee as to the crop yield and quality of Tradition barley or any other crop variety. Producers who purchase and grow Tradition barley are assuming the same risks associated with producing any other barley variety.

## Plant Quality Certified Seed

Certified seed is a guarantee for variety identity, germination, and purity. Contact your local seed producer or dealer for quality certified seed.

Seed producers or dealers can be found in the North Dakota Field Inspected Seeds Directory. The directory is available from the North Dakota State Seed Department (NDSSD), North Dakota Crop Improvement & Seed Association, your local county agent, or under the field seeds program of the NDSSD website. [www.state.nd.us/seed/](http://www.state.nd.us/seed/)



Varieties protected under PVP with Title V option can only be sold as a certified class of seed. **It is the responsibility of the buyer and/or seller to confirm the PVP status of a specific crop variety prior to buying or selling the variety.** PVP status information can be obtained from the ND State Seed Department.

# Tradition Barley



Brought to you through the cooperation of Busch Agricultural Resources, Inc., the North Dakota State University Foundation Seedstocks Project, and the North Dakota Crop Improvement and Seed Association.



[www.ndcropimprovement.org](http://www.ndcropimprovement.org)

# Tradition Barley

## The Tradition Barley Seed Increase

**Program** is intended to provide North Dakota growers with consistent access to genetically pure seed of a potentially beneficial variety. Through a collaborative agreement between the North Dakota Foundation Seedstocks project (NDFSS) and Busch Agricultural Resources, Inc. (BAR LLC), all foundation seed of Tradition barley will be produced and distributed by NDFSS.

The increase and distribution of Tradition barley seed will be handled in much the same way as publicly developed varieties with only minor differences.

Each year, foundation seed will be produced at the Agronomy Seed Farm and/or Research Extension Centers across North Dakota and provided to the North Dakota County Crop Improvement Associations for increase by eligible seed increase growers. To be eligible to increase registered Tradition barley, growers must have grown any crop/variety for certification in any two of the last four years.

Foundation seed will be made available to every county and, in the case of seed shortage, the North Dakota Crop Improvement and Seed Association allocation committee will determine the appropriate allocation of seed to the counties.

To help ensure genetic purity, Tradition barley will be protected under PVP Title V and must be sold as a class of certified seed.

**Tradition** barley was developed by the barley breeding program at Busch Agricultural Resources, Inc. (BAR LLC) and was released in 2003. Tradition is a spring-type midwestern, six-rowed malting barley which has the pedigree of 6B89-2126/ND10981. 6B89-2126 is an experimental line developed by BAR LLC that was never released as a variety. ND10981 is an experimental line developed by NDSU that was never released as a variety.

## Tradition Barley General Characteristics

- Excellent agronomic performance and malt quality
- Well adapted for Minnesota, North Dakota, Idaho and Montana
- Medium relative maturity, medium-short height, and very strong straw
- Nodding head type, semi-smooth awns, long rachilla hairs, and white aleurone
- Currently listed as an acceptable malting variety by the American Malting and Brewing Association

### Agronomic performance of Tradition barley and other malting barley varieties averaged across NDSU trials conducted at several locations (1999-2003).

	Heading Date	Height (cm)	Lodging Score <sup>1</sup>	FHB Score <sup>2</sup>	Stem Breakage <sup>3</sup>	Yield (bu/acre)	Test Weight (lbs/bu)	DON (ppm)
Tradition	24.5	81.3	2.4	4.6	2.1	88.6	50.6	1.9
Robust	25.3	85.8	3.3	4.8	3.3	84.7	51.0	2.1
Lacey	24.7	79.0	2.7	4.6	2.7	89.1	50.9	2.3
Legacy	26.7	82.3	2.6	4.7	3.1	90.6	50.2	2.7
Drummond	24.7	83.1	2.0	3.9	2.2	85.7	50.5	2.5
Loc. Years	18	18	6	6	9	18	14	8

<sup>1</sup>Scale of 0-9, with 0 being the best.

<sup>2</sup>Percent of kernels infected with Fusarium head blight.

<sup>3</sup>Amount of stems broken at harvest-ripe stage, scale of 1-5 with 1 being the best.