



NORTH DAKOTA Farm Research

Bimonthly
Bulletin

Volume 31, Number 2

November - December, 1973



Seed Farm Report . . . 19

From the Director

A. G. HAZEN



The biennial report for the Agronomy Seed Farm in this issue marks the 22nd year of operation devoted to "the increase, development, improvement, and production of seed of new and established varieties" in keeping with the original concept of the farm. This farm, together with the Dalrymple Experimental Plot, a gift of an adjacent quarter section of land to the Agricultural Experiment Station by the late John S. Dalrymple in 1963, has provided the nucleus for a highly successful seed increase program.

The success of the program has been in providing more bushels of new varieties of foundation and registered grade seed to cooperating seed producers through the local county agricultural associations. The state of North Dakota, through the collective efforts of the Agricultural Experiment Station seed stocks project, the Cooperative Extension Service and the North Dakota State Crop Improvement Association, stands unique among the small grain-producing states in its ability to quickly place comparatively large quantities of high-quality seed into the hands of the most small grain producers.

For example, at the present time over 650,000 bushels of Ward durum, 400,000 bushels of Beacon barley, and 275,000 bushels of Olaf HRS wheat are available to prospective growers by contacting their local county agent or branch station. These varieties are available at a uniformly reasonable price from contract growers in each county. Until the contracts are terminated in early 1974, the quantity of seed available to a particular grower is limited to provide a better opportunity for every interested producer to obtain this high-quality seed.

The Agricultural Experiment Station, the Cooperative Extension Service, the North Dakota State Crop Improvement Association, and the local county agricultural associations continually strive to be of greater assistance to our small grain producers in this vital capacity.

In This Issue

Wild Oats Infestation of Field Crops in 1973	3
Second Year Observations — Beef Production on Irrigated Pasture in North Dakota	6
Feeder Pig Producers and Finishers in North Dakota: Production Practices, Costs and Returns	11
The Effects of Shearing on Suffolk Ewes	14
Another Use For an Old Machine: Sugar Beet Plot Harvester	16
Structures and Environment Handbook	18
Biennial Report, 1971-73, The Agronomy Seed Farm	19
N-Fertilizer Sources for Dryland Crops	22

On The Cover: Superintendent LeRoy Spilde of the Agronomy Seed Farm inspects one of the new seed increase barley varieties available for farmers to plant next spring.

NORTH DAKOTA Farm Research

Bimonthly
Bulletin

Vol. 31, No. 2

November - December, 1973

A BIMONTHLY progress report published
by the

**Agricultural Experiment Station,
North Dakota State University of
Agriculture and Applied Science
Fargo, North Dakota 58102**

Arlon G. Hazen

*Dean of Agriculture, and Director
of Agricultural Experiment Station*

EDITORIAL ADVISOR

H. Roald Lund

EDITORS

Robert A. Jarnagin

J. J. Feight Gary Moran Dorothea McCullough