

1950

ANNUAL REPORT

DICKINSON EXPERIMENT STATION

DICKINSON, NORTH DAKOTA

Raymond J. Douglas, Superintendent

ACKNOWLEDGEMENT

We wish to express our gratitude to Mr. Leroy Moomaw, who was Superintendent in charge of the Dickinson Experiment Station for the past 31 years, for his tireless and valuable council which had such a profound influence on agriculture in Western North Dakota. His accomplishments during the lifetime of service which he performed are numerous. Some of his accomplishments will live on and have an influence on agriculture for generations, not only in North Dakota but the entire Great Plains area.

The research and experiments in dryland agriculture which he directed so ably through the years has provided a basis for sound farming practice in the area.

His remarkable work with fruit trees has proved to all that Western North Dakota can have and enjoy its own fruit tree plantings with proper selection of varieties and reasonable care. Besides this his work with shade trees, ornamental plantings and evergreens has demonstrated to the farmers of the area that even though we live under conditions of limited rainfall farmsteads need not be baren and windswept in western North Dakota.

His work with crested wheatgrass has been of tremendous value to the stockmen in Western North Dakota. His foresight in production and distribution of seed have been of unmeasurable benefit to the entire Northern Great Plains area.

PREFACE

The cooperation the writer has received from Thomas J. Conlon, Assistant Agronomist and Larkin H. Langford, Assistant Animal Husbandman, has been excellent. We are fortunate in having two men with their training and ability at the Dickinson Experiment Station. Some of the jobs done and plans made since October 1, 1950 may be of interest to those going over this report. Every effort is being made to coordinate all projects and activities as being conducted on the Dickinson Experiment Station. In our publicity and thinking we are eliminating the terms animal unit and main station, referring to them as the livestock and agronomy farms, of the Dickinson Experiment Station.

All livestock and poultry has been moved to the livestock farm. The barn on the agronomy farm has been converted into a machine shed and the chicken house into a storage and supply house. The machine shed was raised and set on two rows of cement blocks-this levels up the building and puts it on a foundation. The dirt which had banked in on the north of the seed house has moved out which we think will eliminate the need for raising the building or putting in a new floor.

Since no more livestock will be kept at the agronomy farm all cross fences were removed. All tillable farmland except that used in experimental plots is being contoured next spring. This includes that which was previously used as pasture. The plans are being drawn up by the Soil Conservation Service at this time, so they will be ready before field operations begin in the spring. Buffer strip will run the full length of the cropped areas and will be crested wheatgrass for seed and hay.

Plans have been drawn for one new apple orchard and replacements for those already established. The evergreen windbreak on the north of the farmstead is being extended from a point about even with the mess house through to the west end of the farmstead planting and will be made of Cedar and Colorado blue spruce. We will need to eliminate four rows of Ash in doing this. The Russian olive hedge south of the main house is being removed to show up the evergreen planting to better advantage.

A new furnace was installed in the mess house.

At the livestock farm four lots of breeding cows and two lots of calves were put on wintering ration beginning November 1. The two large feed yards were divided into four lots for the cows and the yard for the calves was divided into two lots. Water from the pressure line was brought into the barn for winter watering of the stock. The farmstead of the livestock farm is going to be landscaped, with a plan being set up so that every yard we build, or any construction work will be one step in completing the master plan for the livestock farm.

Beginning December 1, 1950, we are going to make a news release each week from the Dickinson Experiment Station. These probably will be released to all County Extension Agents in the West river area. On December 11, 1950, we are having a livestock meeting of about 10 ranchers and the County Extension Agent from all counties west of the river and Emmons, Burleigh, Kidder, McLean, McHenry and Williams Counties. Up to the present time the following contacts have been made:

October 18-Farm Bureau Meeting at Halliday, besides several ranchers and the County Extension Agent in Dunn County.

October 19-20-County Extension Agent and several stockmen in Stark County.

October 24-25-Miles City Range Station.

October 27-Farmer in Stark County relative to Horticulture.

November 2-County Extension Agent and several stockmen in Golden Valley County.

November 4-Adams County Livestock Show, Sale and Livestock Association Banquet.

November 7-Billings County rancher and County Extension Agent in Slope County.

November 10-Grant County Livestock Association Show and Sale.

November 14-15-McKenzie and Williams County Extension Agents and several ranchers in those counties.

November 16-Hettinger County Extension Agent.

November 17- N. Dak. Stockman's meeting at Bowman and the Bowman County Extension Agent.

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NORTH DAKOTA AGRICULTURAL COLLEGE

AGRICULTURAL EXPERIMENT STATION

STATE COLLEGE STATION, FARGO

OFFICE OF DIRECTOR

August 29, 1951

Memorandum to Department Heads, Project Leaders and Branch Station Superintendents:

Re: Annual Report

The dead line for receipt of annual reports and abstracts of research is set at November 15, 1951. Departments submitting reports after that date will not be represented in the annual report.

Your annual report should be a complete summary of your activities and report upon your projects for the crop season of 1951 and for the livestock and poultry season of 1950-51. Other departments will cover work done since submitting the annual report of 1950.

After preparing your annual report you will prepare an abstract or summary of from 25 to 300 words in lay language. In effect you will do the first step in abstracting, which abstract you are requested to sign. The Station editor will be glad to counsel with you with respect to these abstracts.

H. L. Walster
Director

Ask Ray about abstracts.

Abstracts for this department probably should be prepared for each division:
ie: one for Pot & tillage,
one for Spring wheat-barata
one for oats
one for barley, etc.

Probably, short summaries on each section will not total more than 300 words.

Mr. P. Conlon

NORTH DAKOTA AGRICULTURAL COLLEGE
AGRICULTURAL EXPERIMENT STATION
STATE COLLEGE STATION, FARGO

Office of Director

D. D. Memo No. 24
File: Annual Report
October 18, 1950

TO: Professional Staff
FROM: Glenn S. Smith, Acting Director
SUBJECT: Annual Report, 1950

I. The 1950 annual report of your Experiment Station work is due in the Director's office November 18th. This report should not be lengthy. A concise review of the year's accomplishments is all that is required. Kindly furnish this office two copies of your report which should be stapled on the side, or bound in a folder.

II. To facilitate use of your report by others, please use the following outline:

1. Title page:

1950
ANNUAL REPORT
DICKINSON EXPERIMENT STATION
~~Department of~~
~~DICKINSON, NORTH DAKOTA.~~
Agricultural Experiment Station
North Dakota Agricultural College
Fargo, North Dakota

Raymond J. [unclear], Chairman - Sept

2. Table of Contents (Number all pages):

3. Progress reports on all projects by projects:

- (a) Project number and title
- (b) Personnel and cooperation
- (c) Objective (brief)
- (d) Discussion of present status of project including 1950 results
- (e) Conclusions (Number each item of your conclusions, properly qualified)

4. Departmental work not covered in projects:

5. Publications: All publications since last annual report;
(Author, Title, Publication: Vol. __, No. __, Pages __, Year __)

6. Improvements in the department:

- (a) Apparatus, explain relation to projects
- (b) List books purchased
- (c) Improvements in physical plant

7. Personal activities:

- (a) Scientific conferences, cite papers presented
- (b) Other conferences away from headquarters
- (c) Number of letters written since last annual report

- (d) Institutional committees served during year
- (e) Public meetings attended in North Dakota during past year at which audience was largely farmers. Give dates of meetings. List these as far as possible and estimate attendance at each. Indicate extent of your participation in the meeting.

8. Suggestions for future work in the department:

III. General suggestions:

1. Brevity and clarity are first considerations.
2. Your report will be used in preparing an Annual Report for the Experiment Station which will be published. Mr. Burnham will use it in helping you prepare articles for the Bimonthly and for the press.
3. This is a legislative year, so promptness is especially important.
4. If weather data are pertinent to your projects, include such data in an appendix. Use appendices also for any lengthy tables which you feel are necessary.
5. Make liberal use of photos, graphs and summary tables.
6. Each report should summarize ^{all} accumulated data to date on a given project, and not be simply a fragmentary tabulation of a single year's results.