

NDSU NORTH DAKOTA
STATE UNIVERSITY

North Central Research Extension Center

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AGRONOMY

PULSE CROPS

EXTENSION EDUCATION

(Soil Health, Livestock Systems, Crop Protection)

FOUNDATION SEED INCREASE

WEED SCIENCE

GRAPE PROJECT

www.ag.ndsu.edu/NorthCentralREC



Agronomy

The North Central Research Extension Center conducts the majority of its agronomic field research trials at the main research facility south of Minot. The agronomy program also utilized off-station locations to strengthen and enhance its research capabilities.

Pulse crop breeding research is conducted for the improvement of chickpea, dry pea and lentil. The primary focus is on increased yield within the quality standards of the various market classes within these three species.

Pulse Crop Breeding



Foundation Seed



The seed increase program is a crucial part in the strategic planning and production of foundation seed in the state. The program produces seed on approximately 1,400 acres of owned, leased and contract growers' land. Newly released seed varieties are made available through county crop/agriculture improvement associations.

Extension Education

- **Soil Health:** Activities at the NCREC continued to focus on soil salinity, fertility and cover crops. County-based workshops highlighted management of saline areas and soil fertility.
- **Crop Protection:** Activities centered on crop protection focused on pest management, beneficial insects, and pollinators among area crops. During the 2017 season, Extension and research activities were focused on pest management and prevention. Research-related activities investigated control of wireworm, small grain aphids, and flea beetle, canola blackleg and chickpea variety trials
- **Livestock:** Organization and delivery of several significant educational events.



Soil Health



Crop Protection



Livestock

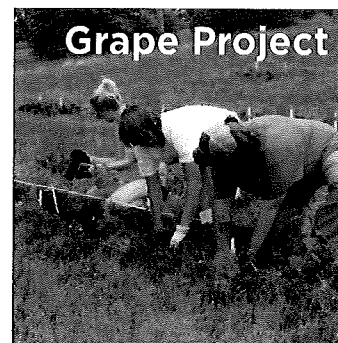
Weed control studies are conducted in small grains, canola, carinata, fababean, sunflower, safflower, flax, dry bean, pea, lentil, chickpea, mustard, corn, and soybean.

We are evaluating new herbicides/adjuvants or different uses of existing products in various crops.

Weed Science



Grape Project



The North Central Research Extension grape vineyard was started in 2012 and currently has over 5000 plants under evaluation for winter hardiness.