

**Capital Project Request****State Board of Agriculture Research and Education****NDSU NCREC Seed Storage Facility****Concerns with the current structure:**

- No all-weather link to the seed conditioning facility
- No functional loading dock at NCREC
- Pesticide storage in the same building as seed and fertilizer
- The building leaks—damaging stored seed
- The foundation is settling and giving way
- Worker health, safety, and air quality concerns
- Lost Foundation seed lots due to vermin infestations and water

**Proposal:**

- Demolition of existing seed storage buildings
- Remove buildings, foundation and haul off-site
- Pre-engineered 70' x 100' x 16' building
- 5000 psi concrete
- Divider wall, liner and insulation for 25' x 70' chemical storage area
  - (2) White – 14' x 14' TM200 doors with operator
  - (2) 8' x 10' TM200 doors with operator
  - (2) 3' x 7' pre-assembled steel insulated commercial walk door

**The new structure will address the following:**

- Building upgrade
- Separate chemical storage from seed and fertilizer
- Protect valuable Foundation seed
- Improve worker safety
- Reduce maintenance costs
- Continue to serve as a hub/central destination for the movement of seed across North Dakota
- Improve building utility
- Provide a functional loading dock

\*Approval from NDSU NCREC Board of Visitors to pursue SBARE request (July 2025)

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## NCREC Foundation Seed Program

Enhancing ND agriculture through the production and distribution of Foundation-grade seed

### Public Value Statement

Foundation-grade seed is essential to hard red spring wheat production in North Dakota, ensuring varietal purity, high yield, and grain quality.

### The Situation

Agriculture is North Dakota's largest industry, with approximately 90% of the state's land dedicated to crop farming and cattle ranching. Each year, farmers plant around 6.6 million acres of wheat, yielding roughly 310 million bushels. North Dakota consistently leads the nation in total wheat production, with hard red spring wheat (HRSW) accounting for about 85% of the state's output. In 2023, the state's wheat production was valued at \$2.76 billion, underscoring its vital role in North Dakota's economy.

### Extension Response

In 2024 and 2025, the NDSU North Central Research Extension Center (NCREC) in Minot produced nearly 10,000 bushels of foundation-grade ND Stampede hard red spring wheat (HRSW) to meet the needs of North Dakota wheat seed producers. Based on variety trial data, ND Stampede was among the highest-yielding varieties grown in western ND, while maintaining protein and quality. In 2025, seed was initially distributed to ensure high-quality seed availability statewide in 2026.

### Impacts

Working with the ND Crop Improvement & Seed Association and NDSU Extension Agents, ND Stampede HRSW produced at the NCREC was distributed to 13 seed growers across six counties. The recently upgraded seed conditioning facility at the NCREC ensured the rapid introduction of quality Foundation-grade seed of these improved varieties.

### Feedback

"Very well-rounded variety, upper-end yield potential while still maintaining protein and quality characteristics"-ND Stampede seed grower

"Overall, I am very happy with ND Stampede. Out of my 5 wheat varieties this year, it was far and away the top yielder"- ND Stampede seed grower

### Primary Contact

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### Collaborators

Dr. Andrew Green  
NDSU Foundation Seedstocks  
NDSU LREC, CREC, WREC & ASF  
NDSU Extension, Agriculture & Natural Resources Agents

### Non-Extension Collaborators

ND Crop Improvement & Seed Association  
ND State Seed Department  
ND Wheat Commission  
Plains Ag Case IH



### Resource Links

<https://www.ndsu.edu/agriculture/ag-hub/research-extension-centers-recs/north-central-rec>