



NDSU Langdon Research Extension Center

SBARE Report

November 3, 2021

The NDSU Langdon Research Extension Center (LREC) is Currently 100 Percent Staffed!

NDSU LREC Research (AES) Programs

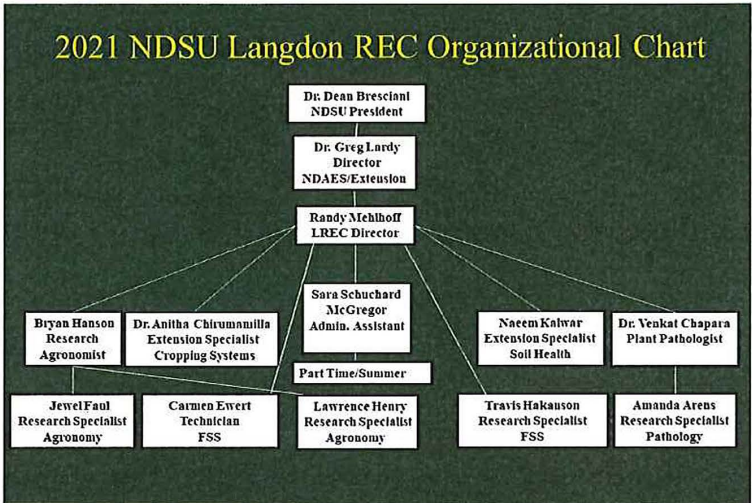
- **Agronomy** research program on all crops grown in our region with an emphasis on **canola**. Growers much appreciate information and outreach on “new” crops they are considering.
- **Plant Pathology** research program focusing on diseases of all crops (emphasis on canola) in North Dakota. Our climate warrants people and resources towards this effort.
- **Foundation Seed** providing ND growers with superior NDSU crop varieties. 2021 saw five different crops and 12 varieties or 15,000 bushels to clean.

NDSU LREC Extension Programs

- **Cropping System** Specialist prioritizing agent training, grower questions and IPM in northeast ND. Dr. Anitha Chirumamilla new hire Oct. 1, 2021.
- **Soil Health** Specialist prioritizing agent training, salinity/sodicity education, field tiling project, no-till conversion, testing for salt tolerant crops, etc.

NDSU Langdon REC Capital Projects

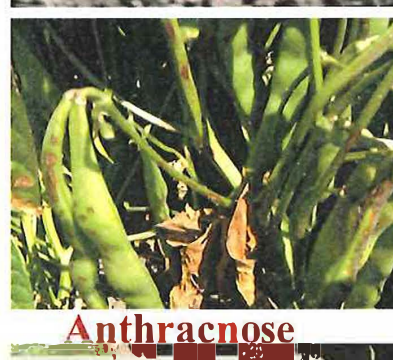
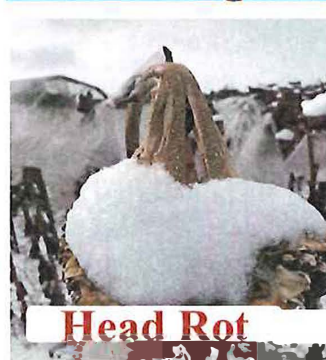
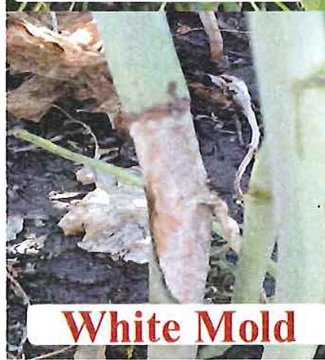
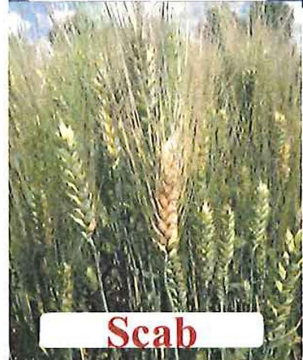
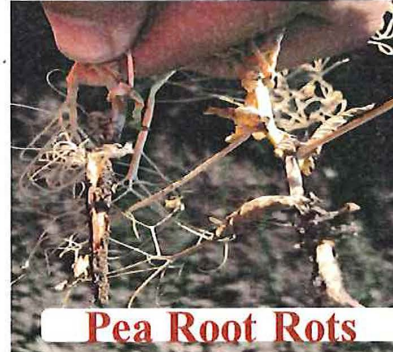
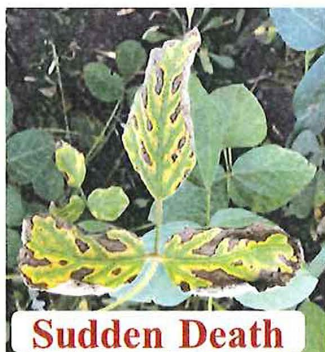
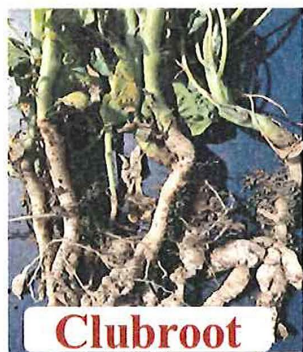
- **ICON** architects has been hired to design the Langdon REC greenhouse project. Early design work underway with targeted completion autumn 2022.



NDSU LREC Program Enhancement Needs as Presented to SBARE - 2023/25 Budget November 3, 2021

1) Langdon REC Plant Pathology Research Support (AES)

Identified in the "Plant Initiative" as the number two AES priority by SBARE in the 2021/23 budget request that was left unfunded.



2) Langdon REC Operating Support (AES)

Needed to offset unexpected inflationary increases. Also, could begin the process of restoring operating dollars taken during the 2015/17 session.

Langdon REC Capital Requests

- 1) Equipment Storage Building (Has been on SBARE capital projects list for several sessions).
- 2) Seed Cleaning Plant replacement or renovation. 1960's seed cleaning plant becoming insufficient. We clean 15,000 to 25,000 bushels of foundation grade seed per year.