

NDSU Hettinger Research Extension Center

SBARE Listening Session - Dickinson, ND
December 7, 2021



Providing innovative Research and Extension programming in Agronomy, Weed Science, Wildlife & Range Science, and Sheep and Cattle Production.

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HETTINGER
RESEARCH EXTENSION CENTER

Hettinger REC in Brief

- Integrated crops, livestock, and range research and extension
- Variety, herbicide, and crop production research
- Lamb and beef feedlot nutrition and management
- Reproductive management of fall, winter, and spring lambing ewes
- Multiple-land use management including cropping systems, livestock, and wildlife as potential outputs
- Livestock Extension and applied calf backgrounding

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Capital Projects

Bunkhouse Renovation

\$200,000 renovation of 1970's office into a 3 bedroom apartment that meets fire and safety codes was recently completed.

Machine Storage Shed

Funded by legislature and currently working on schematics with architects.

Livestock Processing Facility and Feed Efficiency Sheep Feedlot

\$3.4 million funded through the recently completed special session and beginning the initial phases of finding an architect for these 2 facilities.

Labor Shortages

Research Technicians

The HREC currently has 4 research scientist, but only 2 FTE in Research Technicians. Animal Science has never had a research technician, and the Agronomy Program lost theirs in 2018 due to budget reductions.

Animal Science Interns

The HREC will host their first Livestock Internship student from the University of Puerto Rico in January. We anticipate this program expanding in the future.

Land Resources

Current Land Base (only 28% of the land HREC operates on is owned)

- 4,249 acres for grazing, forage, livestock research, and agronomic research.
- 1,200 acres of owned land and 3,049 acres of rented land (1,379 acres located near Bismarck and Mandan, ND on State Prison Lands).
- The majority of the land around Hettinger is in its 3rd generation of rental contracts. If these lands are sold and we cannot negotiate a land lease with the new owners, our research programs will be drastically impacted as the majority of these lands have long term rangeland research being conducted on them.

Proposed Land Purchase

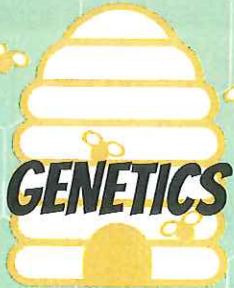
- One landowner is requesting us to purchase approximately 610 acres and we are both acquiring appraisals for the upcoming session.

Apiary Program Request

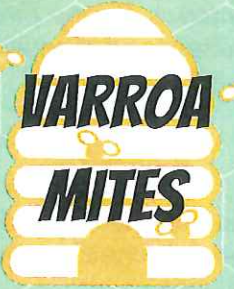
- ND has approximately 18% (495,000) of the total U.S. colonies (2,706,000), which makes up 26% of the US honey production (38,610,000 pounds).
- ND honey production is valued at approximately \$61 million, not including pollinator services and other income (\$300 million nationally).
- ND Beekeepers Association has indicated they have no "point person" in the state as a resource, while the majority of the research dollars are sent to other states.

Hettinger Research Extension Center

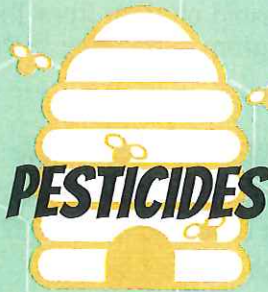
Apiary Research & Extension Program



COLONY COLLAPSE
HONEY PRODUCTION
WINTER HARDINESS
MITE RESISTANCE
HYGIENE



CONTROL



INTERACTIONS WITH
AGRICULTURE



RESOURCE ALLOCATION
INTERACTIONS WITH
NATIVE POLLINATORS



RESPONSIVENESS

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