



Students review beef cattle reproductive tracts at the 2023 Gudmundsen Sandhills Laboratory Youth Science Day.

The Youth Science Day at the Gudmundsen Sandhills Laboratory, near Whitman provides hands-on activities for high school students with an emphasis in beef production. Beef cattle production is the main economic driver for the Central Sandhills because it matches well with the area's natural resources. We showcase topics at the Youth Science Day such as nutrition, fire and range management, reproduction, beef quality assurance, and precision livestock management to display the range of agricultural occupations available to young people should they choose to stay on family ranches.

Programs At-A-Glance

- The 31 participants in the 2022-2023 Nebraska Ranch Practicum directly manage 223,954 acres and 14,654 head of livestock and in addition influence decisions on 3.85 million acres and 200,600 head of livestock. Participants reported the value of the Practicum at \$34.11/head of cattle owned with a benefit of \$35,728/operation with a total reported economic impact of \$499,847.

170

people at the Gudmundsen Sandhills Open House.

**STRENGTHEN NEBRASKA
AGRICULTURE & FOOD SYSTEMS**

200%

increase in 4-H projects exhibited at the Nebraska State Fair.

INSPIRE NEBRASKANS & THEIR COMMUNITIES

116%

increase in 4-H Enrollment in the Central Sandhills Area, serving 4 counties, and 3 legislative districts.

**ENHANCE THE HEALTH
& WELLBEING OF ALL
NEBRASKANS**

