ARDEC Facility Update

• New concrete - ARDEC Shop and Foundation Seed building
• LED lighting upgrade
  ❖ ARDEC Conference Center (complete) & ARDEC Headquarters (in process)
• 63 livestock water tanks - feedlot, sheep unit and irrigated grazing pivot
• New domestic water pump station - increase water pressure to ARDEC Conference Center & efficiency upgrade to fixtures
• Kerbel irrigation well – new, buried culverts under railroad tracks and access road (in process)
• Small, but esteemed improvements....
  ❖ Water bottle filler station at ARDEC south
  ❖ ARDEC Headquarters restroom flooring
  ❖ Parking and signage
ARDEC Staff
12 Full-Time Employees, 365 day/year operation

- Jennifer Bornhoft, Operations Manager and Fiscal Officer
- Brenda Williams, Office and Event/Tour Coordinator
- Tyler Johnson, Equipment Mechanic for all operations

ARDEC Plant Science Operations
- Karl Whitman, Manager of ARDEC Plant Science Operations
  - William Folsom, Manager of ARDEC south facility
  - Mark Collins, Gabe Whitman, J.R. Herman and Paul Nielsen

ARDEC Livestock Operations
- Dave Schafer, Manager of ARDEC Animal Science Operations
  - Christina Nash and Harry Clark

ARDEC employs 12-15 hourly positions year-round in plant, livestock and grounds maintenance operations, in addition to volunteers and interns.
ARDEC- Plant Science Update
2018- The year of destructive hailstorms!!

Projects
- Mckay Lab maize roots
- C-band precipitation radar installed, with quantitative rainfall estimation & severe weather monitoring at ARDEC South
- Foundation seed wheat & the CoAXium wheat increases
- CDA Hemp Trial
- Continued USDA collaboration and new potential research work

Hosting Ag Adventure with 2,000 3rd graders

Equipment Repairs & Upgrades
ARDEC Livestock Update

- **Resident Teaching Herds**
  - 120 Cows (61 AN, 54 HP, 5 XB)
  - Completed first full summer on pivot
  - Bull Sale – Feb. 16, 2019
    - 33 Bulls & 13 Bred Females
    - Bulls spent summer in Hesperus
  - Sheep (36 XB Ewes)
    - 21 Ewes to lamb in February
    - 15 Ewes to lamb in October

- **Research Programs – Most Recent**
  - Water Quality Project - Engle
  - Bird Resistant Diets - Wagner

- **Teaching & Tours**
  - Provide livestock & hands-on learning opportunities to 18 different Animal Science Classes/Labs & VTH Students
  - Provide ~3 tours/month to prospective students & commodity groups