

# 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



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# 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.*



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# 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 3<sup>rd</sup> graders



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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



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