



KSU2U: Partnerships and Resource Leveraging Among Multiple Partners

Wednesday, June 16, 2021

First land-grant created following the passage of the Morrill Act of 1862



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**Funding for K-State
Research and Extension**
--\$46 million state
--\$10 million NIFA capacity
--\$66 million grants

Statewide reach

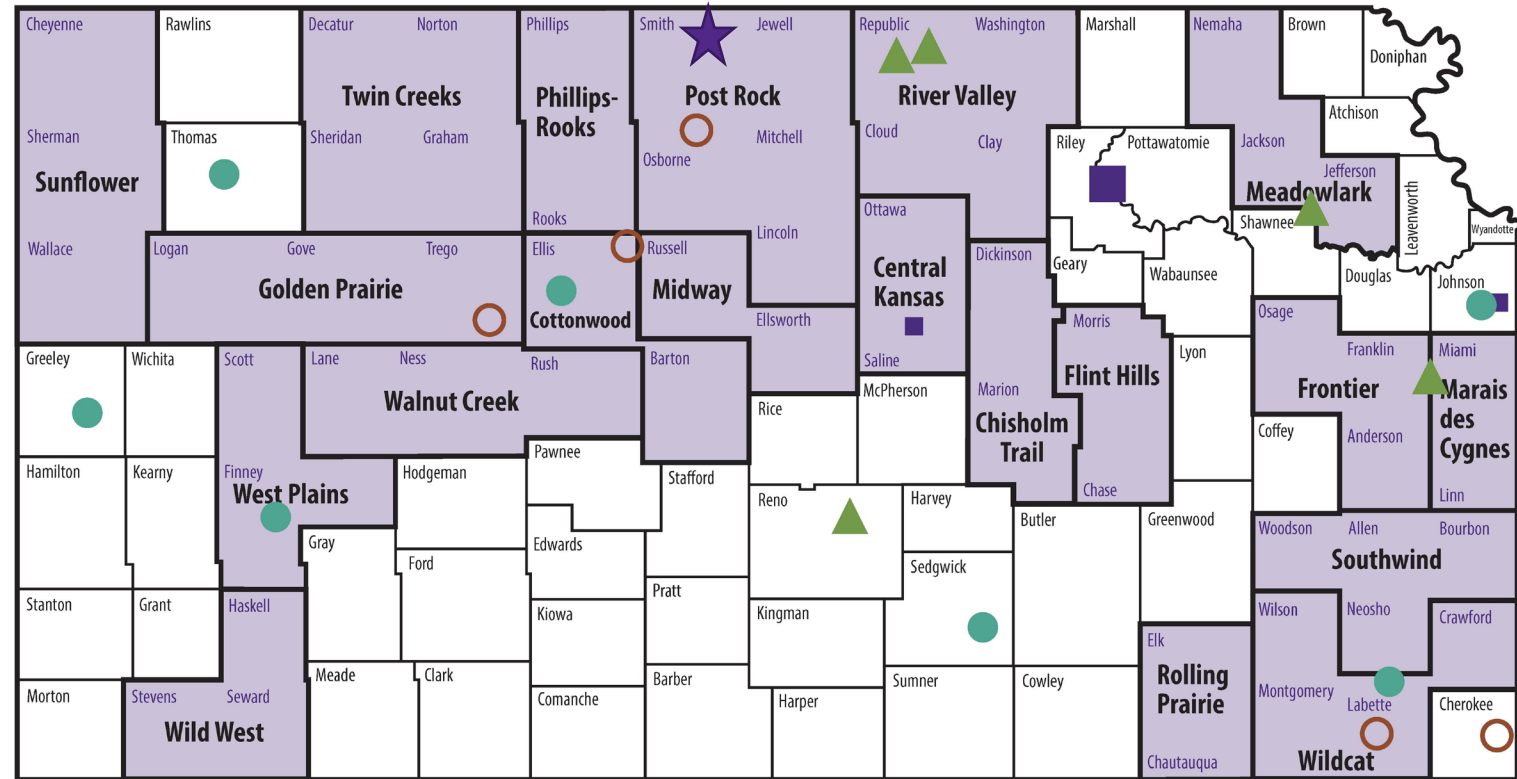


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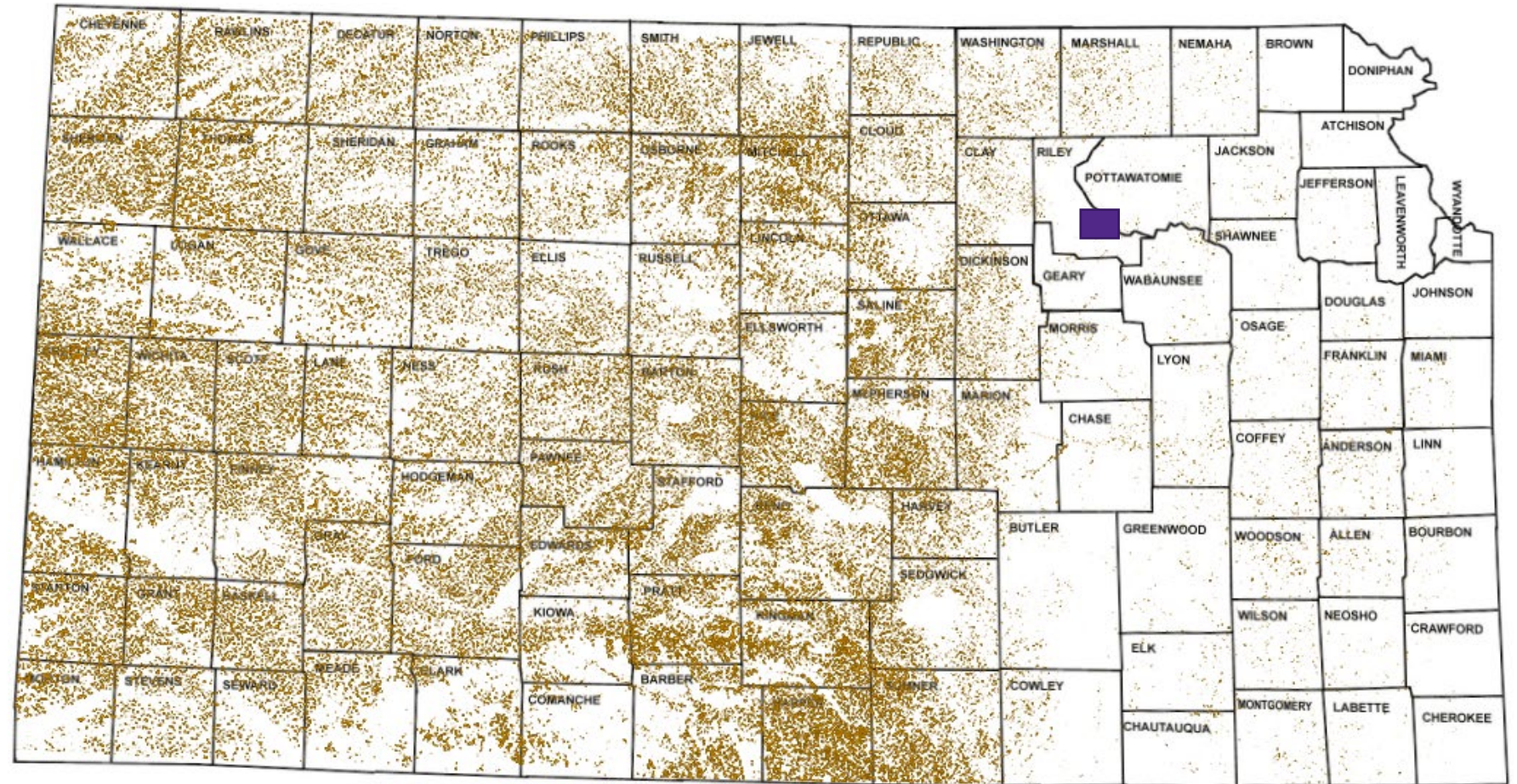


7/2020

■ Kansas State University ■ Districts ○ Satellite Stations ▲ Experiment Fields ● Research-Extension Centers

★ Geographic center of the 48 contiguous US states

Distribution of hard winter wheat fields in Kansas



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Field-level and seed management supporting the breeding program immediately north of campus



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Lincoln, NE
136 miles



Fort Collins, CO
549 miles



Columbia, MO
245 miles



Stillwater, OK
259 miles



“Grain campus” located immediately east of field plot and seed operations supporting wheat breeding



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OH Kruse Feed Mill

Hall Ross Flour Mill

Bioprocessing &
Industrial Value
Added Products

Heartland Plant Innovations

Kansas Crop
Improvement
Assoc.

Kansas Wheat:
Kansas Wheat Commission
Kansas Assoc. Wheat Growers

International Grains
Program Institute

Strong relationships with stakeholders strengthen LGU (state)-NIFA partnerships

NIFA PRESS RELEASE



NATIONAL INSTITUTE OF FOOD AND AGRICULTURE

NIFA Invests Over \$8.65M for Plant Breeding

(Media contact: NIFA Director of Communications Faith Peppers, faith.peppers@usda.gov, (816) 745-0959)

KANSAS CITY, Mo., April 28, 2021 – The U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA) invested over \$8.65 million in 22 plant breeding research projects through its Agriculture and Food Research Initiative program.

The [Plant Breeding for Agricultural Production](#) grants include a co-funded project by the Kansas Wheat Commission through the Farm Bill commodity boards topic provision, as well as five cultivar development projects aimed at accelerating testing, evaluating and releasing publicly-finished wheat, triticale, sorghum, and canola cultivars for farmers.

"Plant breeding is a critical link in helping agriculture mitigate climate change," said NIFA director Dr. Carrie Castille. "These innovative projects will advance crop production efficiency, healthfulness, product quality, and the value of U.S. agricultural plants while increasing farmer profitability and sustainability."



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LGU (state)-stakeholder-NIFA partnerships through capacity and competitive funds leverage other federal investments and global partnerships

USAID



Applied Wheat Genomics Innovation Lab

Contact: [Jesse Poland](#), Director
Focus countries: India, Pakistan

This project is developing heat-tolerant, high-yielding and farmer-accepted wheat varieties that utilize local cultivars and breeding networks.



WGRC I/UCRC
A PUBLIC-PRIVATE CONSORTIUM



International Wheat Yield Partnership
Unlocking the Genetic Yield Potential of Wheat
Research to Deliver Wheat for the Future

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Summary: K-State experience

Stakeholder trust/engagement

Deepening K-State capacity/ever-growing impacts

Leveraged investments/diverse partners



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