

K-State Research and Extension

Kansas State University

BACKGROUND

The Hatch Act provides basic capacity funding for state agricultural experiment stations. The act requires that states provide a 100% match from non-federal resources (many states provide a greater match).

Hatch Act funding is distributed by USDA's National Institute of Food and Agriculture to eligible institutions under a statutory formula.

Congress has provided small increases in recent years, but this has barely slowed the steady erosion of this vital program in recent decades.

The land-grant system strongly supports Hatch Act funding at \$240 million in FY 2011.

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VALUE OF HATCH ACT FUNDING

In Kansas (FY 2009), each dollar we receive under the Hatch Act appropriation is leveraged by \$9.10 in state funding.

Funds Leveraged by Our Pro Rata Share of Hatch Act Appropriation

	FY 2009 ¹	FY 2010 ²	FY 2011 ³
Federal (Hatch)	\$3,765,089	\$3,870,418	\$4,489,685
State	\$34,274,339	\$30,290,163	\$30,290,163
Total	\$38,039,428	\$34,160,581	\$34,779,848

NOTES: (1) FY 2009 funds are actual amounts; (2) FY 2010 is estimated; (3) FY 2011 assumes a \$235 million appropriation (as requested by the Association of Public and Land-grant Universities).

Of the annual Hatch allocation to the KS AES:

- 67 % provides support for graduate students, technical support, and hourly student wages to conduct research
- 31 % provides materials and supplies for faculty research
- 2% supports purchase of equipment

BENEFITS OF HATCH FUNDS

As shown above, if Congress increases the FY 2011 Hatch appropriation to \$240 million, our pro rata share would be \$619,267. We would use such an increase to expand our support for:

- Development of crop varieties and cropping systems that are adaptable to increasing climatic variability; that support the nation's priorities for renewable fuels; and that efficiently utilize limited ground water resources
- Sustainable animal production systems that thrive in the variable conditions of the great plains; that are compatible with air, water and land stewardship; and that continue to supply a safe and high quality source of protein.
- Ongoing initiatives that help to ensure a safe food supply and that promote global food security

OTHER PROGRAM HIGHLIGHTS

Research investment from the Kansas Agricultural Experiment Station contributes to economic drivers that are important to the Kansas economy:

- KAES-funded ground breaking research on the use of ultrasound technology as a management tool for cattle feeders. Ultrasound assists producers in feeding cattle more accurately to desired quality grades. Widespread adoption of this technology is estimated to benefit the cattle industry by over \$500 million annually.
- KAES has supported research developing methods for isolation, detection, and quantification of microbial and chemical hazards in meat and other food products. The emphasis and growth of faculty expertise in these areas of investigation led directly to establishment of the Food Science Institute (FSI). The FSI is an interdisciplinary program that integrates research, teaching and extension activities in food and food safety across 17 departments.
- KAES continues to invest in wheat variety development. Kansas Agricultural Statistics Service estimated in 2009 that approximately 45% of the wheat acres were planted with K-State varieties or blends containing K-State varieties. Since 1977, research in wheat breeding is estimated to increase producer revenues by about \$99 million annually.