

Colorado 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, decades-long erosion of this vital program.

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

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VALUE OF HATCH ACT FUNDS

In Colorado for FY 2009, each dollar we receive under the Hatch Act is leveraged by \$3.02 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) | \$2,948,409 | \$2,948,409 | \$3,420,154 |
| State | \$8,897,056 | \$8,457,264 | \$8,059,773 |
| Total | \$11,845,465 | \$11,405,673 | \$11,479,927 |

NOTES: (1) FY 2009 funds are actual amounts; (2) FY 2010 is estimated; (3) FY 2011 assumes a \$240 million appropriation (as requested by the Association of Public and Land-grant Universities).

Additional Program Data

- AES conducts mission oriented research in 7 colleges at CSU, including Agricultural Sciences, Natural Resources, Applied Human Sciences, Engineering, Natural Sciences, Veterinary Medicine and Biomedical Sciences, and Liberal Arts.
- The AES supports 10 off-campus research centers that conduct applied research on animal and plant production in diverse regions of the state.
- Royalty agreements have been established to provide enhanced funding for variety development programs in winter wheat and potatoes.

Benefits of Hatch Funds

As shown above, if Congress increases the FY 2011 Hatch Act appropriation to \$240 million, our pro rata share would be \approx \$471,750. We would use such an increase to:

- Invest in a biomedical agriculture program addressing chronic diseases associated with diet and evaluate crops and varieties that improve human health.
- Develop profitable and environmentally sound beef and dairy production systems with an emphasis on enhancing air and water quality and developing best management practices.
- Improve efficiency of limited water resources in the semi-arid west including the impact of water availability and climate change on crop production and addressing the nexus of ag and urban water use.

Other Program Highlights

- Wheat improvement - CSU developed wheat varieties are grown on 65% of Colorado wheat acres. The estimated economic benefit of the improved varieties is \$27M+ per year.
- Potato improvement - 60% of potatoes grown in Colorado are CSU developed varieties and certified seed are sold through both in and out of state markets. Estimated economic benefit to the state is \$15M+ per year
- Dryland cropping systems increase diversity of crop production and profit - A 24 year program in eastern Colorado has demonstrated that a transition from wheat-fallow to more intensive rotations results in an economic benefit of \$22M per year to Colorado.
- Decision support systems for livestock – the Center for Genetic Evaluation of Livestock analyzes data for 7 breed associations in developing decision support systems and works with 18 breed associations for genetic evaluation resulting in an estimated economic benefit if over \$7M+ per year.

