

AGRICULTURAL RESEARCH SERVICE
 FY 2012 President's Budget
 (\$000s)

Budget

Salaries and Expenses:

FY 2010 Appropriation \$1,179,639

Increases:

Program Initiatives:

Food Safety	10,000	
Crop Breeding and Protection	7,973	
Child and Human Nutrition	7,500	
Animal Breeding and Protection	7,000	
Bioenergy/Biomass	6,000	
Plant, Animal, and Microbial Collections	6,000	
Production Systems for Sustainable Agriculture	4,500	
Global Climate Change	4,000	
National Agricultural Library	<u>1,000</u>	
Subtotal.....		53,973

Facilities Assessment

1,750

Repair & Maintenance

3,000

Decreases:

Elimination of Earmarks.....	(41,889)	
Proposed Laboratory/Location Closures	(38,661)	
Proposed Termination of Extramural Research	<u>(20,122)</u>	
Subtotal.....		(100,672)

FY 2012 Salaries and Expenses **\$1,137,690**

Buildings and Facilities:

FY 2012 Proposed Rescission

(223,732)

AGRICULTURAL RESEARCH SERVICE
FY 2012 Proposed Increases and Decreases

I. Salaries and Expenses (\$41,949,000)

Increases -- \$58,723,000

- Food Safety -- \$10,650,000
 - Conduct research on emerging chemical threat agents -- \$7,000,000
 - Develop sensitive and specific detection/sensing technologies for pathogens/toxins/chemical contaminants -- \$1,000,000
 - Develop/evaluate alternatives to antibiotics in food animals and evaluate the impacts of antibiotic use -- \$1,400,000
 - Examine pathogenesis/risk factors/interventions in produce -- \$1,250,000

- Crop Breeding -- \$4,723,000
 - Enhance plant breeding for sustainable production and climate change protection -- \$2,473,000
 - Expand knowledge/tools needed for classical plant breeding -- \$2,250,000

- Crop Protection -- \$3,250,000
 - Discover/deploy new resistance genes to pests/pathogens -- \$2,000,000
 - Strengthen grain disease research to protect the world grain supply -- \$1,250,000

- Child/Human Nutrition -- \$7,500,000
 - Evaluate the factors affecting adherence to the *Dietary Guidelines for Americans* -- \$4,500,000
 - Determine nutrient requirements for children -- \$900,000
 - Personalize prevention through diet/behavior/genomics -- \$800,000
 - Establish health promoting properties of specialty crops/whole grains -- \$800,000
 - Strengthen the nutrition.gov web site -- \$500,000

- Animal Production -- \$4,000,000
 - Develop integrated production systems that incorporate enhanced germplasm and pest/pathogen/water/nutrient strategies to optimize sustainable animal production -- \$4,000,000

- Livestock Protection -- \$3,600,000
 - Provide new information on host/pathogen interactions to develop veterinary countermeasures -- \$2,600,000
 - Conduct research on countering biological threats -- \$1,000,000

- Bioenergy/Biomass -- \$6,000,000
 - Develop five regional biofuel feedstocks research and demonstration centers to emphasize specific crop and sustainable production systems -- \$6,000,000

- Animal, Plant, and Microbial Collections -- \$6,000,000
 - Enhance capacity to conserve a broad diversity of the National Plant Germplasm System Resources -- \$3,300,000
 - Enhance plant/microbial collections' capacity -- \$1,200,000
 - Enhance animal/microbial collections' capacity -- \$750,000
 - Enhance capability to conserve insect germplasm/insect systematics' capacity -- \$750,000

- Production Systems for Sustainable Agriculture -- \$4,500,000
 - Enhance agricultural sustainability/resource management in the Mississippi River Basin -- \$1,800,000
 - Improve environmental quality/production efficiency by managing microorganisms in agricultural systems -- \$2,700,000
- Global Climate Change -- \$4,000,000
 - Increase resilience of crops/production systems to the abiotic stresses of climate change/weather extremes resulting in healthier/higher yielding crops -- \$2,000,000
 - Mitigate the effects of climate change in production systems through improved water management -- \$1,000,000
 - Provide validation/verification of offset markets -- \$1,000,000
- National Agricultural Library -- \$1,500,000
 - Provide access to sustainability/environmental data sets for the scientific community -- \$1,500,000
- Repair/Maintenance of ARS' Facilities -- \$3,000,000
 - Repair/maintain selected ARS buildings/facilities -- \$3,000,000

Decreases -- (\$100,672,000)

- Eliminate Congressional Earmarks -- (\$41,889,000)
- Close Selected Laboratories/Locations -- (\$38,661,000)
- Terminate Selected Extramural Research Projects -- (\$20,122,000)

II. Buildings and Facilities -- (\$223,749,000)

Decreases -- (\$223,749,000)

- Rescind Unobligated Balances from Partially Funded New Buildings and Facilities Projects, and Remaining Balances from Completed ARS Facilities -- (\$223,749,000)