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108TH CONGRESS }
2d Session }

SENATE

{ REPORT
{ 108-340

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG
ADMINISTRATION, AND RELATED AGENCIES APPROPRIA-
TIONS BILL, 2005

SEPTEMBER 14, 2004.—Ordered to be printed

Mr. BENNETT, from the Committee on Appropriations,
submitted the following

REPORT

[To accompany S. 2803]

The Committee on Appropriations reports the bill (S. 2803) mak-
ing appropriations for Agriculture, Rural Development, Food and
Drug Administration, and Related Agencies programs for the fiscal
year ending September 30, 2005, and for other purposes, reports fa-
vorably thereon and recommends that the bill do pass.

Total obligational authority, fiscal year 2005

Amount of bill as reported to the Senate	\$84,053,760,000
Amount of 2004 appropriations acts to date	86,587,372,000
Amount of estimates, 2005	83,324,539,000
The bill as recommended to the Senate:	
Under the appropriations provided in 2004	2,708,076,000
Over the estimates for 2005	729,221,000

sidering the fact that many of the existing facilities are decades old. The Committee continues to believe that the ARS needs a master plan for addressing these needs.

Until such a master plan can be developed, however, the Committee will not consider funding requests for projects for which a prospectus has not been completed and submitted to the Committee by March 1 of each year. Each prospectus shall, at a minimum, include the following information: the feasibility, requirements, and scope of the proposed project; details on building size, cost, associated facilities, scientific capacity, and other requirements; and details on existing and planned program and resource requirements. Further, the Committee strongly encourages the ARS to determine the merits and priority for these projects.

Research at Alcorn State University in Lorman, Mississippi, directly benefits small and disadvantaged farmers who grow crops that are often left out of agriculture research aimed at economies of scale. The Committee directs ARS to provide a prospectus on a biotechnology laboratory at ASU.

The Committee has been made aware of the need for a state-of-the-art animal disease facility at Laramie, Wyoming. The Committee directs ARS to provide a prospectus on this project.

The Committee directs ARS to conduct a feasibility study to review existing and future space requirements in Fairbanks and Palmer, Alaska.

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE

The Cooperative State Research, Education, and Extension Service was established by the Secretary of Agriculture on October 1, 1994, under the authority of the Department of Agriculture Reorganization Act of 1994 (7 U.S.C. 6912). The Service was created by the merger of the Cooperative State Research Service and the Extension Service. The mission is to work with university partners and customers to advance research, extension, and higher education in the food and agricultural sciences and related environmental and human sciences to benefit people, communities, and the Nation.

RESEARCH AND EDUCATION ACTIVITIES

Appropriations, 2004	\$617,780,000
Budget estimate, 2005	501,540,000
Committee recommendation	628,492,000

The research and education programs administered by the Cooperative State Research, Education, and Extension Service [CSREES] are the U.S. Department of Agriculture's principal entree to the university system of the United States to support higher education in food and agricultural sciences and to conduct agricultural research as authorized by the Hatch Act of 1887 (7 U.S.C. 361a-361i); the Cooperative Forestry Research Act of 1962 (16 U.S.C. 582a-7); Public Law 89-106, section (2) (7 U.S.C. 450i); the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.); the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301); the Agricultural Re-

search, Extension and Education Reform Act of 1998; and the Farm Security and Rural Investment Act of 2002. Through these authorities, the U.S. Department of Agriculture participates with State and other cooperators to encourage and assist the State institutions to conduct agricultural research and education through the State agricultural experiment stations of the 50 States, the District of Columbia, and the territories; by approved schools of forestry; by the 1890 land-grant institutions, Tuskegee University, and West Virginia State University; by colleges of veterinary medicine; and by other eligible institutions.

The research and education programs participate in a nationwide system of agricultural research program planning and coordination among the State institutions, U.S. Department of Agriculture, and the agricultural industry of America.

COMMITTEE RECOMMENDATIONS

For research and education activities of the Cooperative State Research, Education, and Extension Service, the Committee recommends \$628,492,000. This amount is \$10,712,000 more than the fiscal year 2004 appropriation.

The following table summarizes the Committee's recommendations for research and education activities of the Cooperative State Research, Education, and Extension Service, as compared to the fiscal year 2004 and budget request levels:

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH AND EDUCATION ACTIVITIES

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Payments under Hatch Act	179,085	180,148	180,148
Cooperative forestry research (McIntire-Stennis)	21,755	21,884	23,000
Payments to 1890 colleges, Tuskegee University, and West Virginia State University	35,788	36,000	36,000
Special research grants (Public Law 89-106):			
Advanced genetic technologies (KY)	600	.....	700
Advanced spatial technologies (MS)	880	.....	1,005
Aegilops cylindrica (WA, ID)	341	.....	341
Agricultural diversification (HI)	113	.....	113
Agricultural diversity—Red River trade corridor (MN, ND)	544	.....	650
Agricultural science (OH)	444	.....	650
Agriculture water usage (GA)	260	.....	260
Agroecology (MD)	355	.....	425
Air quality (TX, KS)	895	.....	950
Alliance for food protection (GA, NE)	266	.....	266
Alternative nutrient management (VT)	148	.....	200
Alternative salmon products (AK)	565	.....	1,650
Alternative uses for tobacco (MD)	320	.....	320
Animal disease research (WY)	222	.....	450
Animal science food safety consortium (AR, IA, KS)	1,444	.....	1,444
Apple fire blight (MI, NY)	456	.....	498
Aquaculture (AR)	207	.....	207
Aquaculture (ID, WA)	689	.....	850
Aquaculture (LA)	313	.....	313
Aquaculture (MS)	521	.....	521
Aquaculture (NC)	260	.....	300
Aquaculture (VA)	179	.....	179
Aquaculture product and marketing development (WV)	671	.....	750
Armillaria root rot (MI)	142	.....	160

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH
AND EDUCATION ACTIVITIES—Continued

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Asparagus technology and production (WA)	249	.....	249
Babcock Institute (WI)	537	.....	500
Beef technology transfer (MO)	261	.....	261
Berry research (AK)	179	.....	600
Biobased nanocomposite research (ND)	178	.....	178
Biomass-based energy research (OK, MS)	1,023	.....	1,023
Biotechnology (NC)	272	.....	272
Biotechnology test production (IA)	178	.....	178
Bovine tuberculosis (MI)	309	.....	400
Brucellosis vaccine (MT)	438	.....	450
Center for Public Lands and Rural Economies (UT)	224	.....	225
Center for Rural Studies (VT)	302	.....	400
Chesapeake Bay agroecology (MD)	284	.....	350
Childhood obesity and nutrition (VT)	133	.....	250
Citrus canker (FL)	447	.....	.....
Citrus tristeza (CA)	644	.....	.....
Competitiveness of agriculture products (WA)	604	.....	700
Computational agriculture (NY)	222	.....	.....
Cool season legume research (ID, WA, ND)	537	.....	600
Cotton fiber quality (GA)	447	.....	500
Council for Agriculture Science and Technology	134	.....	.....
Cranberry/blueberry (MA)	153	.....	153
Cranberry/blueberry disease and breeding (NJ)	210	.....	250
Crop diversification (MO)	355	.....	400
Crop integration and production (SD)	268	.....	325
Crop pathogens (NC)	178	.....	250
Dairy and meat goat research (TX)	57	.....	57
Dairy farm profitability (PA)	444	.....	444
Delta rural revitalization (MS)	183	.....	308
Designing foods for health (TX)	1,342	.....	1,400
Diaprepes/root weevil (FL)	400	.....	.....
Dietary intervention (OH)	895	.....	.....
Drought mitigation (NE)	201	.....	224
Drought management (UT)	671	.....	900
Efficient irrigation (NM, TX)	1,342	.....	1,342
Environmental biotechnology (RI)	533	.....	700
Environmental research (NY)	351	.....	.....
Environmental risk factors/cancer (NY)	198	.....	.....
Environmentally-safe products (VT)	746	.....	746
Ethnobotany research (AK)	268	.....	300
Exotic pest diseases (CA)	1,789	.....	1,789
Expanded wheat pasture (OK)	275	.....	275
Farm injuries and illnesses (NC)	247	.....	350
Feed barley for rangeland cattle (MT)	741	.....	741
Feed efficiency in cattle (FL)	222	.....	.....
Feedstock conversion (SD)	671	.....	675
Fish and shellfish technologies (VA)	403	.....	450
Floriculture (HI)	355	.....	355
Food and Agriculture Policy Research Institute (IA, MO)	1,365	.....	1,523
Food chain economic analysis (IA)	358	.....	358
Food Marketing Policy Center (CT)	582	.....	585
Food quality (AK)	313	.....	375
Food safety (AL)	1,000	.....	1,200
Food safety (OK)	556	.....	556
Food safety (TX)	178	.....	200
Food safety research consortium (NY)	800	.....	.....
Food safety risk assessment (ND)	1,377	.....	1,377
Food security (WA)	400	.....	400
Food Systems Research Group (WI)	492	.....	459
Forages for advancing livestock production (KY)	386	.....	400
Forestry (AR)	455	.....	475

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH
AND EDUCATION ACTIVITIES—Continued

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Functional genomics (UT)	1,342	.....	1,625
Future foods (IL)	447	.....	475
Generic commodity promotions, research, and evaluation (NY) ..	174	.....	.....
Genomics (MS)	640	.....	1,140
Geographic information system .....	.....	.....	1,431
Global change/ultraviolet radiation	2,000	2,500	2,000
Grain sorghum (KS)	124	.....	150
Grapefruit juice/drug interaction (FL)	222	.....	.....
Grass seed cropping systems for sustainable agriculture (ID, OR, WA)	407	.....	407
Grazing research (WI)	224	.....	300
Greenhouse crop production (AK)	447	.....	450
Hispanic leadership in agriculture (TX)	447	.....	447
Hoop barns (IA)	291	.....	291
Horn fly research (AL)	134	.....	200
Human nutrition (IA)	655	.....	655
Human nutrition (LA)	712	.....	712
Human nutrition (NY)	547	.....	.....
Hydroponic tomato production (OH)	179	.....	.....
Illinois-Missouri Alliance for Biotechnology	1,079	.....	1,079
Improved dairy management practices (PA)	355	.....	355
Improved early detection of crop disease (NC)	173	.....	.....
Improved fruit practices (MI)	212	.....	212
Increasing shelf life of agricultural commodities (ID)	707	.....	950
Infectious disease research (CO)	667	.....	900
Institute for Biobased Products and Food Science (MT)	533	.....	600
Institute for Food Science and Engineering (AR)	1,087	.....	1,150
Integrated production systems (OK)	207	.....	207
Intelligent quality sensor for food safety (ND)	320	.....	.....
International arid lands consortium	582	.....	582
Iowa biotechnology consortium	1,789	.....	1,789
Leopold Center hypoxia project	224	.....	224
Livestock and dairy policy (NY, TX)	895	.....	895
Livestock genome sequencing (IL)	671	.....	.....
Livestock waste (IA)	268	.....	268
Lowbush blueberry research (ME)	236	.....	236
Maple research (VT)	133	.....	133
Meadowfoam (OR)	262	.....	262
Michigan biotechnology consortium	559	.....	559
Midwest Advanced Food Manufacturing Alliance (NE)	426	.....	429
Midwest agricultural products (IA)	578	.....	500
Midwest poultry consortium (IA)	626	.....	626
Milk safety (PA)	667	.....	717
Minor use animal drugs	526	588	526
Molluscan shellfish (OR)	351	.....	351
Montana Sheep Institute (MT)	497	.....	650
Multi-commodity research (OR)	355	.....	355
Multi-cropping strategies for aquaculture (HI)	110	.....	110
National beef cattle genetic evaluation consortium (NY, CO)	671	.....	900
National biological impact assessment	225	253	225
National Center for Soybean Technology (MO)	895	.....	1,000
Nematode resistance genetic engineering (NM)	130	.....	150
Nevada arid rangelands initiative	467	.....	500
New crop opportunities (AK)	447	.....	447
New crop opportunities (KY)	659	.....	800
Nursery, greenhouse, and turf specialties (AL)	275	.....	275
Oil resources from desert plants (NM)	201	.....	225
Organic cropping (WA)	224	.....	500
Organic waste utilization (NM)	88	.....	100
Oyster post harvest treatment (FL)	400	.....	.....
Ozone air quality (CA)	382	.....	425

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH
AND EDUCATION ACTIVITIES—Continued

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Pasture and forage research (UT)	224	.....	225
Peach tree short life (SC)	233	.....	300
Perennial wheat (WA)	133	.....	.....
Pest control alternatives (SC)	271	.....	271
Phytophthora root rot (NM)	165	.....	200
Pierce's disease (CA)	2,013	.....	2,163
Plant biotechnology (IA)	222	.....	.....
Plant, drought, and disease resistance gene cataloging (NM) ..	220	.....	250
Potato research	1,409	.....	1,450
Precision agriculture (KY)	659	.....	700
Preharvest food safety (KS)	185	.....	200
Preservation and processing research (OK)	200	.....	200
Protein utilization (IA)	671	.....	950
Rangeland ecosystems (NM)	284	.....	284
Regional barley gene mapping project	676	.....	700
Regionalized implications of farm programs (MO, TX)	537	.....	537
Rice agronomy (MO)	178	.....	.....
Ruminant nutrition consortium (MT, ND, SD, WY)	447	.....	500
Rural development centers (ND, LA)	157	.....	157
Rural obesity (NY)	178	.....	.....
Rural Policies Research Institute (NE, IA, MO)	1,129	.....	1,300
Russian wheat aphid (CO)	284	.....	300
Seafood and aquaculture harvesting, processing, and mar- keting (MS)	269	.....	269
Seafood harvesting, processing, and marketing (AK)	1,067	.....	1,067
Seafood safety (MA)	378	.....	450
Seed research (AK)	358	.....	358
Seed technology (SD)	313	.....	400
Small fruit research (OR, WA, ID)	355	.....	400
Soil and environmental quality (DE)	115	.....	450
Southwest consortium for plant genetics and water resources ..	351	.....	375
Soybean cyst nematode (MO)	616	.....	.....
Soybean research (IL)	755	.....	1,171
STEEP III—water quality in Pacific Northwest	595	.....	625
Sudden oak death (CA)	88	.....	99
Sustainable agriculture (CA)	444	.....	.....
Sustainable agriculture (MI)	387	.....	387
Sustainable agriculture and natural resources (PA)	133	.....	250
Sustainable beef supply (MT)	890	.....	1,000
Sustainable engineered materials from renewable resources (VA)	533	.....	600
Sustainable pest management for dryland wheat (MT)	402	.....	.....
Swine and other animal waste management (NC)	440	.....	500
Synthetic gene technology (OH)	149	.....	.....
Tick borne disease prevention (RI)	88	.....	200
Tillage, silviculture, and waste management (LA)	378	.....	378
Tri-State joint peanut research (AL)	533	.....	600
Tropical aquaculture (FL)	213	.....	.....
Tropical and subtropical research/T STAR	8,947	.....	4,474
Uniform farm management program (MN)	266	.....	298
Value-added product development from agricultural resources (MT)	366	.....	450
Virtual plant database enhancement project (MO)	671	.....	700
Viticulture consortium (NY, CA, PA)	1,600	.....	1,700
Water conservation (KS)	71	.....	79
Water use efficiency and water quality enhancement (GA)	447	.....	447
Weed control (ND)	387	.....	387
West Nile virus (IL)	671	.....	500
Wetland plants (LA)	533	.....	600
Wheat genetic research (KS)	236	.....	255
Wheat sawfly research (MT)	449	.....	600

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH
AND EDUCATION ACTIVITIES—Continued

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Wood utilization (AK, OR, MS, MN, NC, ME, MI, ID, TN, WV)	6,070	.....	6,500
Wool research (TX, MT, WY)	268	.....	300
Total, special research grants	110,655	3,341	108,731
Improved pest control:			
Expert IPM decision support system	158	177	158
Integrated pest management	2,439	2,725	2,439
IR-4 minor crop pest management	9,549	10,485	10,550
Pest management alternatives	1,448	1,619	1,448
Total, Improved pest control	13,594	15,006	14,595
1994 institutions research program	1,087	998	1,087
Alaska Native-serving and Native Hawaiian-serving institutions edu- cation grants	3,131	2,997	3,500
Alternative crops	1,063	.....	840
Animal health and disease (sec. 1433)	4,532	5,098	5,098
Aquaculture centers (sec. 1475)	4,000	3,996	4,000
Capacity building grants (1890 institutions)	11,411	11,411	11,411
Critical Agricultural Materials Act	1,111	.....	1,111
Graduate fellowships grants	2,883	4,500	2,883
Higher education agrosecurity program .....	.....	5,000	.....
Hispanic education partnership grants	4,645	4,645	4,645
Institution challenge grants	4,859	5,500	4,859
Joe Skeen Institute for Rangeland Management (NM, TX, MT)	895	.....	1,000
Multicultural scholars program	986	998	998
National Research Initiative	164,027	180,000	183,000
Payments to the 1994 institutions	1,679	2,250	1,689
Secondary agriculture education	890	1,000	890
Sustainable agriculture research and education	12,222	9,230	12,222
Federal administration:			
Agriculture-based industrial lubricants (IA)	403	.....	650
Agriculture development in the American Pacific	490	.....	490
Agriculture waste utilization (WV)	617	.....	690
Agriculture water policy (GA)	895	.....	895
Alternative fuels characterization laboratory (ND)	268	.....	300
Animal waste management (OK)	298	.....	298
Aquaculture (OH)	850	.....	750
Aquaculture (PA)	222	.....	222
Biotechnology research (MS)	667	.....	667
Botanical research (UT)	792	.....	1,000
Center for Agricultural and Rural Development (IA)	600	.....	600
Center for Food Industry Excellence (TX)	222	.....	.....
Center for Innovative Food Technology (OH)	1,043	.....	.....
Center for North American Studies (TX)	895	.....	895
Climate forecasting (FL)	3,131	.....	.....
Cotton research (TX)	2,237	.....	2,237
Council for Agriculture Science and Technology .....	.....	.....	150
Data information system (REEIS)	2,444	2,500	2,444
Electronic grants administration system	1,944	1,409	1,409
Feed efficiency (WV)	143	.....	160
Fruit and vegetable market analysis (AZ, MO)	302	.....	.....
Geographic information system	1,431	.....	.....
Germplasm development in forage grasses (OH)	88	.....	.....
Greenhouse nurseries (OH)	713	.....	.....
High value horticultural crops (VA)	447	.....	650
Information technology (GA)	222	.....	.....
Livestock marketing information center (CO)	175	.....	175
Mariculture (NC)	320	.....	320

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICES [CSREES]—RESEARCH
AND EDUCATION ACTIVITIES—Continued

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Mississippi Valley State University, curriculum development	933	.....	933
Monitoring agricultural sewage sludge application (OH)	1,074	.....	.....
Office of Extramural Programs	401	448	401
Pasteurization of shell eggs	1,094	.....	.....
Pay costs	2,273	2,832	2,665
Peer panels	312	349	312
Phytoremediation plant research (OH)	569	.....	700
PM-10 air quality study (WA)	390	.....	390
Precision agriculture, Tennessee Valley Research Center (AL)	582	.....	625
Produce pricing (AZ)	72	.....	.....
Rural systems (MS)	311	.....	311
Salmon quality standards (AK)	134	.....	200
Shrimp aquaculture (AZ, HI, MA, MS, SC, TX)	3,746	.....	3,746
Sustainable agricultural development (OH)	179	.....	.....
Sustainable agricultural freshwater conservation (TX)	1,789	.....	.....
The Land Institute (KS)	89	.....	.....
Urban silviculture (NY)	215	.....	.....
Vitis gene discovery	358	.....	400
Water pollutants (WV)	537	.....	600
Water quality (ND)	386	.....	500
Wetland plants (WV)	179	.....	.....
Total, federal administration	37,482	7,538	26,785
Total, CSREES R&E	617,780	501,540	628,492

Hatch Act.—The Committee acknowledges the beneficial impact Hatch Act funding has on land-grant universities. Hatch Act provides the base funds necessary for higher education and research involving agriculture. The Committee recommends a funding level of \$180,148,000 for payments made under the Hatch Act.

Special Research Grants Under Public Law 89-106.—The Committee recommends a total of \$108,731,000. Specifics of individual grant allowances are included in the table above. Special items are discussed below.

The Committee is aware of the need for special research grants in order to conduct research to facilitate or expand promising breakthroughs in areas of food and agricultural sciences that are awarded on a discretionary basis. In addition to these grants, the Committee believes research should be supplemented by additional funding that is obtained on a competitive basis.

Alliance for Food Protection.—The Committee provides \$266,000 for the Alliance for Food Protection. Of this amount, \$133,000 is to continue integrated fruit and vegetable research at the University of Georgia.

Alternative Milk Policies.—The Committee directs that of the funds made available to the Food and Agriculture Policy Research Institute, the amount available in fiscal year 2004 shall be provided for collaborative work between the University of Missouri and the University of Wisconsin/Madison, for an analysis of dairy policy changes, including trade related matters, and assist Congress in making policy decisions.

Alternative Salmon Products.—The Committee provides \$1,650,000 for alternative salmon products research. Of this

amount, \$650,000 shall be used to continue research into and development of baby food containing salmon.

Aquaculture Centers.—The Committee recommends \$4,000,000, the same as the fiscal year 2004 level.

The Committee is aware of and supports aquaculture research efforts at the University of Wisconsin-Milwaukee Great Lakes Wisconsin Aquatic Technology and Environmental Research Institute that is carried out in collaboration with the North Central Regional Aquaculture Center.

Red River Valley Research Corridor Office.—Within the amount provided for Agricultural Diversity, the Committee continues the level provided in fiscal year 2004 for activities of the Red River Valley Research Corridor Office.

Technology Transfer.—The Committee directs CSREES to continue to support at the fiscal year 2004 level the cotton technology transfer coordinator at Stoneville, MS.

Aquaculture (MS).—Of the \$521,000 provided for this grant, the Committee recommends at least \$90,000 for continued studies of the use of acoustics in aquaculture research to be conducted by the National Center for Physical Acoustics in cooperation with the Mississippi Agricultural and Forestry Experiment Station [MAFES] and the Delta Research and Extension Center in Stoneville.

Midwest Agricultural Products [MATRIC].—The Committee directs the Department to allocate the designated funds for MATRIC equally between Iowa State University and the Greater Des Moines Partnership.

Food and Agriculture Policy Research Institute.—The Committee provides \$1,523,000 for the Food and Agriculture Policy Research Institute. Of this amount \$158,000 shall be used to fund the Center for Agricultural and Trade Policies for the Northern Plains Region at North Dakota State University.

Milk Safety.—The Committee provides \$717,000 for milk safety research. Of this amount \$50,000 shall be used for a cooperative agreement with the Pennsylvania Department of Agriculture's Center for Dairy Excellence.

Potato Research.—The Committee expects the Department to ensure that funds provided to CSREES for potato research are utilized for varietal development testing. Further, these funds are to be awarded competitively after review by the potato industry working group.

Wood Utilization Research.—The Committee recommends \$6,500,000 for wood utilization research and directs that all member institutions receive no less than the amount provided in fiscal year 2004. The Committee directs that funding continue at the fiscal year 2004 level for forest inventory work conducted by the Mississippi Forest and Wildlife Research Center.

Competitive Research Grants.—The Committee supports the National Research Initiative Competitive Grants Program [NRI] and provides funding of \$183,000,000 for the program, an increase of \$18,973,000 from the fiscal year 2004 level. The Committee includes a general provision to make 20 percent of these funds available for a program under the same terms and conditions as those provided in Section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998.

The Committee remains determined to see that quality research and enhanced human resources development in the agricultural and related sciences be a nationwide commitment. Therefore, the Committee continues its direction that not less than 10 percent of the competitive research grant funds be used for USDA's agricultural research enhancement awards program (including USDA-EPSCoR), in accordance with 7 U.S.C. 450i.

Classical Research.—The Committee notes the substantial increase in public and private sector research related to genomics, genetics, and other breakthrough biotechnology developments. However, this shift in emphasis has resulted in a decline in classical research in the animal and plant sciences. The Committee encourages the Department, especially in the establishment of priorities within the National Research Initiative, to give consideration to research needs related to classical plant and animal breeding.

Enhancing the Prosperity of Small Farms and Rural Agricultural Communities.—The Committee is pleased to see that the Department issued a Request For Proposals in the areas of small and mid-sized farm profitability and rural economic development pursuant to Section 401 of the Agricultural Research, Extension and Education Reform Act of 1998 (7 U.S.C. 7621). The Committee encourages the Department to request proposals specific to critical emerging issues related to farm income, rural economic and business and community development and farm efficiency and profitability, including the viability and competitiveness of small and medium-sized dairy, livestock, crop and other commodity operations.

Alternative Crops.—The Committee recommends \$840,000 for alternative crop research to continue and strengthen research efforts on canola, \$223,000 less than the fiscal year 2004 level.

Sustainable Agriculture.—The Committee recommends \$12,222,000 for sustainable agriculture, the same as the fiscal year 2004 level.

Higher Education.—The Committee recommends \$30,875,000 for higher education. The Committee provides \$2,883,000 for graduate fellowships; \$4,859,000 for challenge grants; \$998,000 for multicultural scholarships; and \$4,645,000 for Hispanic education partnership grants.

The Committee notes that the Department's higher education multicultural scholars program enhances the mentoring of scholars from under-represented groups. The Committee directs the Department to ensure that Alaska Natives participate fully in this program.

Alaska Native-Serving and Native Hawaiian-Serving Institutions Education Grants.—The Committee provides \$3,500,000 for non-competitive grants to individual eligible institutions or consortia of eligible institutions in Alaska and in Hawaii, with grant funds to be awarded equally between Alaska and Hawaii to carry out the programs authorized in 7 U.S.C. 3242 (Section 759 of Public Law 106-78). The Committee directs the agency to fully comply with the use of grant funds as authorized.

Geographic Information System Program.—The Committee provides the fiscal year 2004 funding level for the Geographic Information System Program. The Committee recommends the amount pro-

vided shall be made available for program activities of entities in the same areas as in 2004 on a proportional basis. For fiscal year 2004, this program was funded under Federal Administration.

Federal Administration.—The Committee provides \$26,785,000 for Federal administration. The Committee's specific recommendations are reflected in the table above.

CAST.—The Committee provides \$150,000 for the Council for Agricultural Science and Technology [CAST]. For fiscal year 2004, this program was funded under Special Research Grants.

NATIVE AMERICAN INSTITUTIONS ENDOWMENT FUND

Appropriations, 2004	\$8,947,000
Budget estimate, 2005	12,000,000
Committee recommendation	12,000,000

The Native American Institutions Endowment Fund authorized by Public Law 103–382 provides an endowment for the 1994 land-grant institutions (31 tribally controlled colleges). This program will enhance educational opportunity for Native Americans by building educational capacity at these institutions in the areas of student recruitment and retention, curricula development, faculty preparation, instruction delivery systems, and scientific instrumentation for teaching. Income funds are also available for facility renovation, repair, construction, and maintenance. On the termination of each fiscal year, the Secretary shall withdraw the income from the endowment fund for the fiscal year, and after making adjustments for the cost of administering the endowment fund, distribute the adjusted income as follows: 60 percent of the adjusted income from these funds shall be distributed among the 1994 land-grant institutions on a pro rata basis, the proportionate share being based on the Indian student count; and 40 percent of the adjusted income shall be distributed in equal shares to the 1994 land-grant institutions.

COMMITTEE RECOMMENDATIONS

For the Native American Institutions Endowment Fund, the Committee recommends \$12,000,000. This amount is \$3,053,000 more than the fiscal year 2004 appropriation.

EXTENSION ACTIVITIES

Appropriations, 2004	\$439,125,000
Budget estimate, 2005	421,174,000
Committee recommendation	443,061,000

Cooperative extension work was established by the Smith-Lever Act of May 8, 1914. The Department of Agriculture is authorized to provide, through the land-grant colleges, cooperative extension work that consists of the development of practical applications of research knowledge and the giving of instruction and practical demonstrations of existing or improved practices or technologies in agriculture, uses of solar energy with respect to agriculture, home economics, related subjects, and to encourage the application of such information by demonstrations, publications, through 4-H clubs, and other means to persons not in attendance or resident at the colleges.

To fulfill the requirements of the Smith-Lever Act, State and county extension offices in each State, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa, the Northern Marianas, and Micronesia conduct educational programs to improve American agriculture and strengthen the Nation's families and communities.

COMMITTEE RECOMMENDATIONS

For extension activities of the Cooperative State Research, Education, and Extension Service, the Committee recommends an appropriation of \$443,061,000. This amount is \$3,936,000 more than the fiscal year 2004 appropriation.

The following table summarizes the Committee's recommendations for extension activities, as compared to the fiscal year 2004 and budget request levels:

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE [CSREES]—EXTENSION ACTIVITIES

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Smith-Lever sections 3(b) and 3(c)	277,742	275,940	277,742
Smith-Lever section 3(d):			
Farm safety	4,911	.....	4,174
Food and nutrition education [EFNEP]	52,057	57,909	58,000
Indian reservation agents	1,774	1,996	1,774
Pest management	9,563	10,759	9,563
Sustainable agriculture	4,333	3,792	4,333
Youth at risk	7,538	8,481	7,538
Youth farm safety education and certification	444	499	444
1890 colleges, Tuskegee University, and West Virginia State University	31,720	32,117	32,117
1890 facilities grants	14,912	14,912	14,912
Extension services at the 1994 institutions	2,929	3,273	2,929
Grants to youth organizations	2,667	.....	2,667
Renewable Resources Extension Act [RREA]	4,040	4,093	4,093
Rural health and safety education	2,331	.....	1,981
Subtotal	416,961	413,771	422,267
Federal administration and special grants:			
Ag in the classroom	622	750	850
Agricultural and entrepreneurship education (WI)	232	.....	250
Alabama beef connection	336	.....	400
Beef producers improvement (AR)	174	.....	190
Botanical garden initiative (IL)	213	.....	.....
Conservation technology transfer (WI)	447	.....	486
Dairy education (IA)	211	.....	235
Dairy industry revitalization (WI)	336	.....	300
Diabetes detection and prevention (WA)	1,089	.....	1,089
E-commerce (MS)	334	.....	334
Efficient irrigation (NM, TX)	2,058	.....	2,058
Entrepreneurial alternatives (PA)	222	.....	222
Extension specialist (MS)	133	.....	133
Family farm beef industry network (OH)	1,240	.....	.....
Food Animal Residue Avoidance Databank	712	.....	712
Food preparation and marketing (AK)	268	.....	400
Food product development (AK)	402	.....	550
General administration	5,467	6,653	5,445
Health education leadership (KY)	800	.....	900
Income enhancement demonstration (OH)	214	.....	.....
Iowa vitality center	250	.....	250
National Center for Agriculture Safety (IA)	224	.....	262

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE [CSREES]—EXTENSION
ACTIVITIES—Continued
[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
National Wild Turkey Federation	224	.....	225
Nursery production (RI)	222	.....	.....
Nutrition enhancement (WI)	895	.....	1,050
Ohio-Israel agriculture initiative	537	.....	600
Oquirrh Institute	268	.....	300
Pilot technology transfer (OK, MS)	300	.....	300
Pilot technology transfer (WI)	215	.....	.....
Potato pest management (WI)	358	.....	360
Range improvement (NM)	218	.....	250
Resilient communities (NY)	111	.....	.....
Rural business enhancement (WI)	179	.....	200
Rural development (AK)	626	.....	750
Rural development (NM)	351	.....	351
Rural technologies (HI, WI)	311	.....	313
Urban horticulture (WI)	783	.....	850
Urban market development (NY)	224	.....	.....
Web-based agriculture classes (MO)	179	.....	179
Wood biomass as an alternative farm product (NY)	179	.....	.....
Total, Federal Administration	22,164	7,403	20,794
Total, Extension Activities	439,125	421,174	443,061

Ag in the Classroom.—The Committee recommends \$850,000 for Ag in the Classroom and expects that no less than \$250,000 be used to expand efforts in Illinois to promote consumption of healthy foods and proper school nutrition.

Conservation Technology Transfer.—Of the funds provided for Conservation Technology Transfer, the Committee provides \$447,000 for a nutrient management and conservation education program to meet the needs of the Wisconsin comprehensive nutrient management program in cooperation with Professional Dairy Producers of Wisconsin, Dairy Business Association, and others. In addition, the Committee provides the fiscal year 2004 funding level for the Dairy Discovery Farm Program.

Farm Safety.—Of the funds recommended for farm safety, the Committee recommends a funding level of \$3,312,000 for the AgrAbility project being carried out in cooperation with the National Easter Seal Society.

Nutrition Enhancement.—Of the funds provided for nutrition enhancement, the Committee provides \$50,000 for the Research Institute for Family Health and Wellness at Marywood University in Scranton, Pennsylvania.

Potato Pest Management.—Of the funds provided for Potato Pest Management, the Committee provides the fiscal year 2004 funding level for the ongoing effort between the University of Wisconsin, World Wildlife Fund, and Wisconsin Potato and Vegetable Growers Association. The Committee also directs the fiscal year 2004 funding level for an ongoing project with the University of Wisconsin for pesticide use reduction efforts for other commodities.

Rural Business Enhancement.—The Committee provides the fiscal year 2004 funding level to the University of Wisconsin at

Platteville for collaborative work with the University of Wisconsin Extension.

Urban Horticulture.—The Committee provides the fiscal year 2004 funding level for Urban Horticulture. In addition to funds directed for University of Wisconsin Extension activities, the Committee provides the fiscal year 2004 funding level for Growing Power of Milwaukee, Wisconsin.

INTEGRATED ACTIVITIES

Appropriations, 2004	\$50,195,000
Budget estimate, 2005	76,865,000
Committee recommendation	57,242,000

Section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 authorizes an integrated research, education, and extension competitive grants program. Water Quality, Food Safety, and Regional Pest Management Centers programs previously funded under Research and Education and/or Extension Activities are included under this account, as well as new programs that support integrated or multifunctional projects.

COMMITTEE RECOMMENDATIONS

For integrated activities of the Cooperative State Research, Education, and Extension Service, the Committee recommends \$57,242,000. This amount is \$7,047,000 more than the fiscal year 2004 level.

The following table summarizes the Committee's recommendations for integrated activities:

COOPERATIVE STATE RESEARCH, EDUCATION, AND EXTENSION SERVICE [CSREES]—INTEGRATED ACTIVITIES

[In thousands of dollars]

	Fiscal year 2004 enacted	Fiscal year 2005 budget	Committee rec- ommendation
Critical issues	444	2,500	444
Crops at risk from FQPA implementation	1,330	1,497	1,330
Food safety	13,305	14,967	13,305
FQPA risk mitigation program for major food crop systems	4,345	4,889	4,345
Homeland security	7,953	30,000	15,000
International science and education grants	895	1,000	895
Methyl bromide transition	3,131	2,498	3,131
Organic transition	1,889	499	1,889
Regional pest management centers	4,028	4,531	4,028
Regional rural development centers	1,345	1,513	1,345
Water quality	11,530	12,971	11,530
Total	50,195	76,865	57,242

OUTREACH FOR SOCIALLY DISADVANTAGED FARMERS

Appropriations, 2004	\$5,935,000
Budget estimate, 2005	5,935,000
Committee recommendation	5,935,000

This program is authorized under section 2501 of title XXV of the Food, Agriculture, Conservation, and Trade Act of 1990. Grants are made to eligible community-based organizations with demonstrated experience in providing education on other agriculturally-related

services to socially disadvantaged farmers and ranchers in their area of influence. Also eligible are the 1890 land-grant colleges, Tuskegee University, West Virginia State University, Indian tribal community colleges, and Hispanic-serving postsecondary education facilities.

COMMITTEE RECOMMENDATIONS

For outreach for socially disadvantaged farmers, the Committee recommends an appropriation of \$5,935,000. This amount is the same as the fiscal year 2004 appropriation.

OFFICE OF THE UNDER SECRETARY FOR MARKETING AND REGULATORY PROGRAMS

Appropriations, 2004	\$721,000
Budget estimate, 2005	804,000
Committee recommendation	733,000

The Office of the Under Secretary for Marketing and Regulatory Programs provides direction and coordination in carrying out laws enacted by the Congress with respect to the Department's marketing, grading, and standardization activities related to grain; competitive marketing practices of livestock, marketing orders, and various programs; veterinary services; and plant protection and quarantine. The Office has oversight and management responsibilities for the Animal and Plant Health Inspection Service; Agricultural Marketing Service; and Grain Inspection, Packers and Stockyards Administration.

COMMITTEE RECOMMENDATIONS

For the Office of the Under Secretary for Marketing and Regulatory Programs, the Committee recommends an appropriation of \$733,000. This amount is \$12,000 more than the fiscal year 2004 appropriation.

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

SALARIES AND EXPENSES

Appropriations, 2004	\$716,329,000
Budget estimate, 2005	828,361,000
Committee recommendation	786,866,000

The Secretary of Agriculture established the Animal and Plant Health Inspection Service [APHIS] on April 2, 1972, under the authority of reorganization plan No. 2 of 1953, and other authorities. The major objectives of APHIS are to protect the animal and plant resources of the Nation from diseases and pests. These objectives are carried out under the major areas of activity, as follows:

Pest and Disease Exclusion.—The Agency conducts inspection and quarantine activities at U.S. ports of entry to prevent the introduction of exotic animal and plant diseases and pests. The Agency also participates in inspection, survey, and control activities in foreign countries to reinforce its domestic activities.

Agricultural Quarantine Inspection [AQI].—The agency collects user fees to cover the cost of inspection and quarantine activities