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1st Session }

SENATE

{ REPORT
{ 109-92

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES APPROPRIA- TIONS BILL, 2006

JUNE 27, 2005.—Ordered to be printed

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

REPORT

[To accompany H.R. 2744]

The Committee on Appropriations, to which was referred the bill (H.R. 2744) making appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies programs for the fiscal year ending September 30, 2006, and for other purposes, reports the same to the Senate with an amendment and recommends that the bill as amended do pass.

Total obligational authority, fiscal year 2006

| | |
|--|-------------------|
| Total of bill as reported to the Senate | \$100,717,949,000 |
| Amount of 2005 appropriations ¹ | 85,590,376,000 |
| Amount of 2006 budget estimate | 100,132,911,000 |
| Amount of House allowance | 100,321,593,000 |
| Bill as recommended to Senate compared to— | |
| 2005 appropriations | + 11,278,573,000 |
| 2006 budget estimate | + 585,038,000 |
| House allowance | + 396,356,000 |

¹Excluding emergency appropriations of \$3,849,000,000.

the campus of Auburn University in Auburn, Alabama, into a new facility located on the periphery of the University's campus. Auburn University research partners would be co-located in the facility to cement and analyze the already highly productive cooperative research. This study should include 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.

—*Kansas Polymer Research Center.*—The Committee directs the Agricultural Research Service to conduct a study to determine the feasibility of constructing and equipping a new center at Pittsburg State University to conduct research on products, methods, and materials related to bio-based polymers for high grade plastics. This study should include 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 progress and resource requirements.

—*West Virginia State University.*—The Committee has been made aware of the need for enhanced biotechnology research to benefit the agricultural sector and rural economy of Appalachia and the mid-Atlantic region. The Committee directs the ARS to provide a feasibility report for establishing a laboratory at West Virginia State University. This study should include 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 progress and resource requirements.

—*Utah Valley State College.*—The Committee directs the Agricultural Research Service to conduct a study to determine the feasibility of constructing greenhouse and herbarium facilities at Utah Valley State College. This study should include 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 progress and resource requirements.

—*University of Nebraska-Lincoln.*—The Committee directs the Agricultural Research Service to conduct a study to determine the feasibility of constructing a biology systems research facility at the University of Nebraska-Lincoln. This study should include 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 progress and resource requirements.

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, 2005 | \$655,495,000 |
| Budget estimate, 2006 | 545,500,000 |
| House allowance | 662,546,000 |
| Committee recommendation | 652,231,000 |

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 entry 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 Research, Extension and Education Reform Act of 1998 (7 U.S.C. 7601 et seq.); and the Farm Security and Rural Investment Act of 2002 (Public Law 107–171). Through these authorities, the U.S. Department of Agriculture participates with State and other co-operators 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 \$652,231,000. This amount is \$3,264,000 less than the fiscal year 2005 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 2005 and budget request levels:

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

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|--|-----------------------------|----------------------------|-------------------------------|
| Payments under Hatch Act | 178,707 | 89,354 | 178,707 |
| Cooperative forestry research (McIntire-Stennis) | 22,205 | 11,103 | 22,205 |

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|---|-----------------------------|----------------------------|-------------------------------|
| Payments to 1890 colleges, Tuskegee University, and West Virginia State University | 36,704 | 38,250 | 37,477 |
| Special research grants (Public Law 89-106): | | | |
| Advanced genetic technologies (KY) | 645 | ..... | 645 |
| Advanced spatial technologies (MS) | 936 | ..... | 936 |
| Aegilops cylindrica (WA, ID) | 355 | ..... | 355 |
| Agricultural diversification (HI) | 112 | ..... | 221 |
| Agricultural diversity—Red River trade corridor (MN, ND) | 592 | ..... | 622 |
| Agricultural science (OH) | 543 | ..... | 570 |
| Agriculture water usage (GA) | 258 | ..... | ..... |
| Agroecology (MD) | 387 | ..... | 406 |
| Air quality (TX, KS) | 1,066 | ..... | 1,119 |
| Alliance for food protection (GA, NE) | 313 | ..... | 329 |
| Alternative nutrient management (VT) | 173 | ..... | 182 |
| Alternative salmon products (AK) | 1,099 | ..... | 1,099 |
| Alternative uses for tobacco (MD) | 332 | ..... | 332 |
| Animal disease research (WY) | 333 | ..... | 350 |
| Animal science food safety consortium (AR, IA, KS) | 1,432 | ..... | 1,432 |
| Apple fire blight (MI, NY) | 479 | ..... | 483 |
| Aquaculture (AR) | 205 | ..... | 205 |
| Aquaculture (ID, WA) | 764 | ..... | 764 |
| Aquaculture (LA) | 329 | ..... | 329 |
| Aquaculture (MS) | 517 | ..... | 517 |
| Aquaculture (NC) | 278 | ..... | 292 |
| Aquaculture (VA) | 188 | ..... | 188 |
| Aquaculture product and marketing development (WV) | 705 | ..... | 750 |
| Armillaria root rot (MI) | 150 | ..... | 151 |
| Asparagus technology and production (WA) | 248 | ..... | 248 |
| Avian bioscience (DE) ..... | ..... | ..... | 100 |
| Babcock Institute (WI) | 564 | ..... | 580 |
| Barley for Rural Development (MT, ID) ..... | ..... | ..... | 735 |
| Beef technology transfer (MO) | 259 | ..... | 259 |
| Berry research (AK) | 1,776 | ..... | 1,300 |
| Biobased nanocomposite research (ND) | 177 | ..... | 177 |
| Biomass-based energy research (OK, MS) | 1,015 | ..... | 1,200 |
| Biotechnology research (IL) ..... | ..... | ..... | 100 |
| Biotechnology (NC) | 287 | ..... | 287 |
| Biotechnology test production (IA) | 465 | ..... | 450 |
| Bovine tuberculosis (MI) | 352 | ..... | 356 |
| Brucellosis vaccine (MT) | 440 | ..... | 400 |
| Center for Public Lands and Rural Economies (UT) | 223 | ..... | 350 |
| Center for Rural Studies (VT) | 348 | ..... | 365 |
| Chesapeake Bay agroecology (MD) | 314 | ..... | 314 |
| Childhood obesity and nutrition (VT) | 191 | ..... | 201 |
| Citrus canker (FL) | 470 | ..... | 494 |
| Citrus tristeza (CA) | 691 | ..... | 691 |
| Competitiveness of agriculture products (WA) | 647 | ..... | 679 |
| Computational agriculture (NY) | 239 | ..... | ..... |
| Cool season legume research (ID, WA, ND) | 564 | ..... | 564 |
| Cotton fiber quality (GA) | 470 | ..... | ..... |
| Cotton insect management (GA) ..... | ..... | ..... | 494 |
| Cranberry/blueberry (MA) | 152 | ..... | 160 |
| Cranberry/blueberry disease and breeding (NJ) | 352 | ..... | 370 |
| Crop diversification (MO) | 375 | ..... | 375 |
| Crop integration and production (SD) | 295 | ..... | 300 |
| Crop pathogens (NC) | 251 | ..... | 264 |
| Dairy and meat goat research (TX) | 99 | ..... | 99 |
| Dairy farm profitability (PA) | 468 | ..... | 491 |
| Delta rural revitalization (MS) | 244 | ..... | 250 |
| Designing foods for health (TX) | 1,611 | ..... | 1,692 |
| Diaprepes/root weevil (FL) | 446 | ..... | 446 |

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|--|-----------------------------|----------------------------|-------------------------------|
| Drought management (UT) | 780 | ..... | 1,000 |
| Drought mitigation (NE) | 211 | ..... | 222 |
| Efficient irrigation (NM, TX) | 1,488 | ..... | 1,562 |
| Environmental biotechnology (RI) | 612 | ..... | 643 |
| Environmental research (NY) | 373 | ..... | ..... |
| Environmental risk factors/cancer (NY) | 217 | ..... | ..... |
| Environmentally-safe products (VT) | 740 | ..... | 750 |
| Ethnobotany research (AK) | 282 | ..... | 250 |
| Exotic pest diseases (CA) | 1,929 | ..... | 1,929 |
| Expanded wheat pasture (OK) | 273 | ..... | 273 |
| Farm injuries and illnesses (NC) | 297 | ..... | ..... |
| Feed barley for rangeland cattle (MT) | 735 | ..... | ..... |
| Feed efficiency in cattle (FL) | 295 | ..... | ..... |
| Feedstock conversion (SD) | 668 | ..... | 675 |
| Fish and shellfish technologies (VA) | 453 | ..... | 476 |
| Floriculture (HI) | 352 | ..... | 352 |
| Food and Agriculture Policy Research Institute (IA, MO) | 1,537 | ..... | 1,537 |
| Food chain economic analysis (IA) | 416 | ..... | 416 |
| Food Marketing Policy Center (CT) | 579 | ..... | 579 |
| Food quality (AK) | 341 | ..... | 275 |
| Food safety (AL) | 1,091 | ..... | 1,146 |
| Food safety (OK, ME) | 552 | ..... | 552 |
| Food safety (TX) | 188 | ..... | 188 |
| Food safety research consortium (NY) | 893 | ..... | ..... |
| Food safety risk assessment (ND) | 1,366 | ..... | 1,500 |
| Food security (WA) | 398 | ..... | 398 |
| Food Systems Research Group (WI) | 517 | ..... | 525 |
| Forages for advancing livestock production (KY) | 390 | ..... | 390 |
| Forestry (AR) | 461 | ..... | 461 |
| Fruit and berry crop trials for rural villages (AK) ..... | ..... | ..... | 500 |
| Fruit and vegetable market analysis (AZ, MO) | 323 | ..... | ..... |
| Functional genomics (UT) | 1,472 | ..... | 1,500 |
| Future foods (IL) | 545 | ..... | 666 |
| Generic commodity promotions, research, and evaluation (NY) | 191 | ..... | ..... |
| Genetically enhanced plants for micro-nutrients and bio-re- newable oils (MO) ..... | ..... | ..... | 740 |
| Genomics (MS) | 883 | ..... | 1,140 |
| Geographic information system | 1,702 | ..... | 1,702 |
| Global change/ultraviolet radiation | 1,984 | 2,500 | 1,984 |
| Grain sorghum (KS) | 136 | ..... | 143 |
| Grapefruit juice/drug interaction (FL) | 344 | ..... | ..... |
| Grass seed cropping systems for sustainable agriculture (ID, OR, WA) | 450 | ..... | 450 |
| Grazing research (WI) | 260 | ..... | 260 |
| Greenhouse crop production (AK) | 446 | ..... | 300 |
| Hardwood scanning (IN) ..... | ..... | ..... | 300 |
| Horn fly research (AL) | 166 | ..... | 166 |
| Human nutrition (IA) | 650 | ..... | 650 |
| Human nutrition (LA) | 706 | ..... | 706 |
| Human nutrition (NY) | 580 | ..... | ..... |
| Hydroponic tomato production (OH) | 179 | ..... | ..... |
| Illinois-Missouri Alliance for Biotechnology | 1,170 | ..... | 1,170 |
| Improved dairy management practices (PA) | 352 | ..... | 270 |
| Improved fruit practices (MI) | 210 | ..... | 212 |
| Increasing shelf life of agricultural commodities (ID) | 822 | ..... | 863 |
| Infectious disease research (CO) | 778 | ..... | 817 |
| Institute for Biobased Products and Food Science (MT) | 563 | ..... | 563 |
| Institute for Food Science and Engineering (AR) | 1,110 | ..... | 1,119 |
| Integrated production systems (OK) | 205 | ..... | 205 |
| International arid lands consortium | 579 | ..... | 579 |

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|---|-----------------------------|----------------------------|-------------------------------|
| Iowa biotechnology consortium | 1,775 | ..... | 1,775 |
| Leopold Center hypoxia project (IA) | 222 | ..... | 222 |
| Livestock and dairy policy (NY, TX) | 893 | ..... | 893 |
| Livestock genome sequencing (IL) | 815 | ..... | ..... |
| Livestock waste (IA) | 266 | ..... | 266 |
| Lowbush blueberry research (ME) | 234 | ..... | 246 |
| Maple research (VT) | 132 | ..... | 139 |
| Meadowfoam (OR) | 260 | ..... | 260 |
| Michigan biotechnology consortium | 555 | ..... | ..... |
| Midwest Advanced Food Manufacturing Alliance (NE) | 524 | ..... | 500 |
| Midwest agricultural products (IA) | 612 | ..... | 500 |
| Midwest poultry consortium (IA) | 682 | ..... | 682 |
| Milk safety (PA) | 703 | ..... | 788 |
| Minor use animal drugs | 583 | 588 | 583 |
| Molluscan shellfish (OR) | 348 | ..... | 365 |
| Montana Sheep Institute (MT) | 569 | ..... | 597 |
| Multi-commodity research (OR) | 353 | ..... | 353 |
| Multi-cropping strategies for aquaculture (HI) | 109 | ..... | ..... |
| National beef cattle genetic evaluation consortium (NY, CO, GA) | 780 | ..... | 780 |
| National biological impact assessment | 251 | 253 | 264 |
| National Center for Soybean Technology (MO) | 940 | ..... | 987 |
| Nematode resistance genetic engineering (NM) | 139 | ..... | 139 |
| Nevada arid rangelands initiative | 480 | ..... | 504 |
| New crop opportunities (AK) | 443 | ..... | 443 |
| New crop opportunities (KY) | 724 | ..... | 760 |
| Nursery, greenhouse, and turf specialties (AL) | 273 | ..... | ..... |
| Oil resources from desert plants (NM) | 211 | ..... | 211 |
| Organic cropping (WA) | 359 | ..... | 359 |
| Organic waste utilization (NM) | 93 | ..... | 93 |
| Oyster post harvest treatment (FL) | 446 | ..... | ..... |
| Ozone air quality (CA) | 401 | ..... | 401 |
| Pasture and forage research (UT) | 223 | ..... | 225 |
| Peach tree short life (SC) | 265 | ..... | 278 |
| Perennial wheat (WA) | 141 | ..... | 141 |
| Pest control alternatives (SC) | 269 | ..... | 282 |
| Phytophthora research (GA) ..... | ..... | ..... | 258 |
| Phytophthora research (MI) ..... | ..... | ..... | 500 |
| Phytophthora root rot (NM) | 182 | ..... | 182 |
| Pierce's disease (CA) | 2,071 | ..... | 2,175 |
| Plant, drought, and disease resistance gene cataloging (NM) | 233 | ..... | 233 |
| Potato research | 1,497 | ..... | 1,497 |
| Precision agriculture (KY) | 675 | ..... | 675 |
| Preharvest food safety (KS) | 192 | ..... | 202 |
| Preservation and processing research (OK) | 198 | ..... | 198 |
| Protein utilization (IA) | 805 | ..... | 845 |
| Rangeland ecosystems (NM) | 282 | ..... | 282 |
| Regional barley gene mapping project | 682 | ..... | 682 |
| Regionalized implications of farm programs (MO, TX) | 760 | ..... | 760 |
| Rice agronomy (MO) | 212 | ..... | 223 |
| Ruminant nutrition consortium (MT, ND, SD, WY) | 470 | ..... | 494 |
| Rural development centers (ND, LA) | 230 | ..... | 230 |
| Rural obesity (NY) | 187 | ..... | ..... |
| Rural Policies Research Institute (NE, IA, MO) | 1,205 | ..... | 1,205 |
| Russian wheat aphid (CO) | 291 | ..... | 306 |
| Seafood and aquaculture harvesting, processing, and mar- keting (MS) | 267 | ..... | 269 |
| Seafood harvesting, processing, and marketing (AK) | 1,058 | ..... | ..... |
| Seafood safety (MA) | 436 | ..... | 458 |
| Seed research (AK) | 355 | ..... | ..... |

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|--|-----------------------------|----------------------------|-------------------------------|
| Seed technology (SD) | 354 | ..... | 360 |
| Small fruit research (OR, WA, ID) | 422 | ..... | 443 |
| Soil and environmental quality (DE) | 281 | ..... | 295 |
| Southwest consortium for plant genetics and water re- sources | 373 | ..... | 392 |
| Soybean cyst nematode (MO) | 702 | ..... | 737 |
| Soybean research (IL) | 955 | ..... | 1,076 |
| STEEP III—water quality in Pacific Northwest | 640 | ..... | 640 |
| Sudden oak death (CA) | 93 | ..... | 98 |
| Sustainable agriculture (CA) | 515 | ..... | ..... |
| Sustainable agriculture (MI) | 384 | ..... | 384 |
| Sustainable agriculture and natural resources (PA) | 190 | ..... | 140 |
| Sustainable beef supply (MT) | 937 | ..... | 984 |
| Sustainable engineered materials from renewable resources (VA) | 603 | ..... | 633 |
| Swine and other animal waste management (NC) | 466 | ..... | 489 |
| Tick borne disease prevention (RI) | 143 | ..... | 150 |
| Tillage, silviculture, and waste management (LA) | 425 | ..... | 425 |
| Tri-State joint peanut research (AL) | 563 | ..... | 591 |
| Tropical and subtropical research/T STAR | 9,398 | ..... | 4,699 |
| Tropical aquaculture (FL) | 211 | ..... | 211 |
| Uniform farm management program (MN) | 281 | ..... | 298 |
| Value-added product development from agricultural resources (MT) | 405 | ..... | 405 |
| Virtual plant database enhancement project (MO) | 705 | ..... | ..... |
| Viticulture consortium (NY, CA, PA) | 1,835 | ..... | 1,835 |
| Water conservation (KS) | 74 | ..... | 74 |
| Water use efficiency and water quality enhancement (GA) | 470 | ..... | 494 |
| Weed control (ND) | 384 | ..... | 384 |
| West Nile virus (IL) | 496 | ..... | ..... |
| Wetland plants (LA) | 563 | ..... | 563 |
| Wheat genetic research (KS) | 244 | ..... | 256 |
| Wheat sawfly research (MT) | 521 | ..... | 521 |
| Wine grape foundation block (WA) | 322 | ..... | 289 |
| Wood utilization (AK, OR, MS, MN, NC, ME, MI, ID, TN, WV) | 6,235 | ..... | 6,235 |
| Wool research (TX, MT, WY) | 298 | ..... | 298 |
| Total, special research grants | 120,313 | 3,341 | 110,281 |
| Improved pest control: | | | |
| Expert IPM decision support system | 157 | 177 | 157 |
| Integrated pest management | 2,420 | 2,725 | 2,420 |
| IR-4 minor crop pest management | 11,145 | 10,485 | 11,145 |
| Pest management alternatives | 1,436 | 1,619 | 1,436 |
| Total, Improved pest control | 15,158 | 15,006 | 15,158 |
| 1994 institutions research program | 1,078 | 998 | 1,078 |
| Alaska Native-serving and Native Hawaiian-serving institutions education grants | 3,472 | 2,997 | 3,472 |
| Alternative crops | 1,187 | ..... | 833 |
| Animal health and disease (sec. 1433) | 5,057 | ..... | 5,057 |
| Aquaculture centers (sec. 1475) | 3,968 | 3,996 | 3,968 |
| Capacity building grants (1890 institutions) | 12,312 | 12,500 | 12,312 |
| Critical Agricultural Materials Act | 1,102 | ..... | 1,102 |
| Graduate fellowships grants | 2,976 | 4,500 | 2,976 |
| Higher education agrosecurity program ..... | ..... | 5,000 | 750 |
| Hispanic education partnership grants | 5,600 | 5,645 | 5,600 |
| Institution challenge grants | 5,456 | 5,500 | 5,456 |
| Joe Skeen Institute for Rangeland Management (NM, TX, MT) | 992 | ..... | 992 |
| Multicultural scholars program | 990 | 998 | 990 |

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|---|-----------------------------|----------------------------|-------------------------------|
| National Research Initiative | 179,552 | 250,000 | 190,000 |
| Payments to the 1994 institutions | 2,232 | 2,250 | 2,232 |
| Regional State and Local Grants | | 75,000 | |
| Resident Instruction Grants-Insular areas | 496 | | |
| Secondary agriculture education | 992 | 1,000 | 992 |
| Sustainable agriculture research and education | 12,400 | 9,230 | 12,400 |
| Federal administration: | | | |
| Agriculture based industrial lubricants (IA) | 523 | | 549 |
| Agriculture development in the American Pacific | 486 | | 486 |
| Agriculture waste utilization (WV) | 649 | | 690 |
| Agriculture water policy (GA) | 891 | | 891 |
| Alternative fuels characterization laboratory (ND) | 282 | | 282 |
| Animal waste management (OK) | 296 | | 296 |
| Aquaculture (OH) | 846 | | 800 |
| Aquaculture (PA) | 220 | | 220 |
| Biotechnology research (MS) | 662 | | 687 |
| Botanical research (UT) | 889 | | 1,000 |
| Center for Agricultural and Rural Development (IA) | 595 | | 595 |
| Center for Food Industry Excellence (TX) | 867 | | 910 |
| Center for Innovative Food Technology (OH) | 1,145 | | |
| Center for North American Studies (TX) | 992 | | 992 |
| Climate forecasting (FL) | 3,602 | | 3,602 |
| Cotton research (TX) | 2,480 | | 2,480 |
| Council for Agriculture Science and Technology | 149 | | 149 |
| Data information system (REEIS) | 2,424 | 2,750 | 2,424 |
| Dietary intervention (OH) | 1,139 | | |
| Electronic grants administration system | 1,928 | 2,173 | 1,928 |
| Feed efficiency (WV) | 151 | | 160 |
| Global environmental management (WI) | 992 | | |
| Greenhouse nurseries (OH) | 726 | | |
| High value horticultural crops (VA) | 567 | | 595 |
| Hispanic leadership in agriculture (TX) | 546 | | 533 |
| Income enhancement demonstration project (OH) | 725 | | |
| Information technology (GA) | 369 | | 369 |
| Livestock marketing information center (CO) | 174 | | 174 |
| Mariculture (NC) | 317 | | 317 |
| Mississippi Valley State University, curriculum development ... | 926 | | 1,433 |
| Monitoring agricultural sewage sludge application (OH) | 1,277 | | 1,277 |
| Office of Extramural Programs | 398 | 448 | 398 |
| Pasteurization of shell eggs (MI) | 1,237 | | |
| Pay costs | 2,644 | 3,112 | 3,112 |
| Peer panels | 310 | 349 | 310 |
| Phytoremediation plant research (OH) | 779 | | 779 |
| PM-10 air quality study (WA) | 387 | | 387 |
| Precision agriculture, Tennessee Valley Research Center (AL) .. | 599 | | 250 |
| Produce pricing (AZ) | 75 | | |
| Rural systems (MS) | 308 | | 308 |
| Salmon quality standards (AK) | 166 | | 166 |
| Shrimp aquaculture (AZ, HI, MA, MS, SC, TX) | 3,941 | | 3,941 |
| Sustainable agricultural freshwater conservation (TX) | 1,805 | | |
| University of Hawaii | | | 3,000 |
| Urban silviculture (NY) | 268 | | |
| Vitis gene discovery | 603 | | 603 |
| Water pollutants (WV) | 564 | | 600 |
| Water quality (ND) | 439 | | 500 |
| Wetland plants (WV) | 188 | | |
| Total, Federal administration | 42,546 | 8,832 | 38,193 |
| Total, CSREES R&E | 655,495 | 545,500 | 652,231 |

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 \$178,707,000 for payments made under the Hatch Act.

Special Research Grants Under Public Law 89-106.—The Committee recommends a total of \$110,281,000. 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.

The Committee expects these grants to be used to meet specific research objectives rather than primarily to supplement other funding sources on an indefinite basis. The Committee expects that prior to the receipt of an award under this heading, the grantee must provide a report to the Committee that describes the specific research objectives for which these funds will be used, methodologies to measure performance and determine when the research objectives will be met, and the expected date of completion. The Committee notes that this grant program is designed to meet specific research objectives and to address specific issues that require immediate attention. If the purpose of the grant is more long-term in nature, the Committee expects the grantee to pursue funds through other authorities.

Agricultural Diversification.—The Committee provides \$221,000 for agricultural diversification research in Hawaii and directs that these funds be used to meet the research need for the expanding tropical fruit industry in that State.

Alliance for Food Protection.—The Committee provides \$329,000 for the Alliance for Food Protection. Of this amount, \$172,000 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 2005 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 \$1,099,000 for alternative salmon products research. Of this amount, \$450,000 shall be used to continue research into and development of baby food containing salmon.

Aquaculture Centers.—The Committee recommends \$3,968,000, the same as the fiscal year 2005 level. The Committee is aware and supports efforts of the Department to move the Northeastern Regional Aquaculture Center from the University of Massachusetts at Dartmouth to the University of Maryland.

The Committee is aware of and supports aquaculture research efforts at the University of Wisconsin-Milwaukee Great Lakes Wis-

consin Aquatic Technology and Environmental Research Institute that is carried out in collaboration with the North Central Regional Aquaculture Center.

Berry Research.—The Committee provides \$1,300,000 for berry research. Of this amount, \$1,000,000 shall be used for neurtaceutical research at the University of Fairbanks.

Red River Valley Research Corridor Office.—Within the amount provided for Agricultural Diversity, the Committee continues the level provided in fiscal year 2005 for activities of the Red River Valley Research Corridor Office.

Technology Transfer.—The Committee directs CSREES to continue to support at the fiscal year 2005 level the cotton technology transfer coordinator at Stoneville, MS.

Aquaculture (MS).—Of the \$517,000 provided for this grant, the Committee recommends the fiscal year 2005 level 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 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 \$1,537,000 for the Food and Agriculture Policy Research Institute. Of this amount, the Committee continues the fiscal year 2005 level to fund the Center for Agricultural and Trade Policies for the Northern Plains Region at North Dakota State University.

Milk Safety.—The Committee provides \$788,000 for milk safety research. Of this amount \$100,000 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.

Tropical and Subtropical Research.—The Committee provides \$4,699,000 for Tropical and Subtropical research and directs that these activities be carried out in the State of Hawaii.

Wood Utilization Research.—The Committee recommends \$6,235,000 for wood utilization research and directs that all member institutions receive no less than the amount provided in fiscal year 2005. The Committee directs that funding continue at the fiscal year 2005 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 \$190,000,000 for the program, an increase of \$10,448,000 from the fiscal year 2005 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.

Forestry and Related Natural Resource Research.—The Committee recognizes that forestry and related natural resource research were an integral part of NRI at its inception. As NRI funding has grown, however, the allocation of NRI funds by CSREES for research on forestry and related natural resource topics has fallen behind. In the future, the Committee directs the NRI program administrator to put a greater emphasis on NRI funding for forestry and natural resources topics with a goal of eventually providing at least 10 percent of the total funds provided for NRI for forestry and natural resources related research on topics including: woody plant systems, including large scale efforts to sequence the genome for several economically important tree species, technologies for enhanced pest and disease resistance, and increased tree growth rates; management of complex forest ecosystems, including issues of forest health, productivity, economic sustainability, and restoration; assessing alternative management strategies, with emphasis on risk analysis, geospatial analysis including landscape implications, consideration of ecological services, providing decision support systems; and development of nanotechnology and biorefining technologies for the forest products sector as critical to enhancing global competitiveness and energy security.

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.

The Committee expects the Department to expand the funding available within the NRI for the application of genomic technology in legume crops and strongly urges the Department to collaborate in funding the translation of information from the model species to the legume crops and between legume species.

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.

The Committee notes that the RFP under this authority for fiscal year 2005 did not include medium-sized farms. The Committee expects proposals offered for research activities in fiscal year 2006 to include research related to this class of operations.

Alternative Crops.—The Committee recommends \$833,000 for alternative crop research to continue and strengthen research efforts on canola, \$47,000 more than the fiscal year 2005 level.

Sustainable Agriculture.—The Committee recommends \$12,400,000 for sustainable agriculture, the same as the fiscal year 2005 level.

Higher Education.—The Committee recommends \$34,780,000 for higher education. The Committee provides \$2,976,000 for graduate fellowships; \$5,456,000 for challenge grants; \$990,000 for multicultural scholarships; and \$5,600,000 for Hispanic education partnership grants.

Higher Education Agrosecurity.—The Committee recommends \$750,000 for Agrosecurity Education and expects these funds to be used for implementation of the National Veterinary Medical Services Act.

Alaska Native-Serving and Native Hawaiian-Serving Institutions Education Grants.—The Committee provides \$3,472,000 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.

Federal Administration.—The Committee provides \$38,193,000 for Federal administration. The Committee’s specific recommendations are reflected in the table above.

University of Hawaii.—The Committee recommends \$3,000,000 for the College of Tropical Agriculture and Human Resources at the University of Hawaii for replacement of research and educational materials lost and recovery of interrupted research resulting from the October 30, 2004 floods.

NATIVE AMERICAN INSTITUTIONS ENDOWMENT FUND

| | |
|--------------------------------|--------------|
| Appropriations, 2005 | \$12,000,000 |
| Budget estimate, 2006 | 12,000,000 |
| House allowance | 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 (33 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 the same as the fiscal year 2005 appropriation.

EXTENSION ACTIVITIES

| | |
|--------------------------------|---------------|
| Appropriations, 2005 | \$445,631,000 |
| Budget estimate, 2006 | 431,743,000 |
| House allowance | 444,871,000 |
| Committee recommendation | 453,438,000 |

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 \$453,438,000. This amount is \$7,807,000 more than the fiscal year 2005 appropriation.

The following table summarizes the Committee's recommendations for extension activities, as compared to the fiscal year 2005 and budget request levels:

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

[In thousands of dollars]

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|--|-----------------------------|----------------------------|-------------------------------|
| Smith-Lever sections 3(b) and 3(c) | 275,520 | 275,940 | 275,520 |
| Smith-Lever section 3(d): | | | |
| Farm safety | 4,563 | ..... | 4,563 |
| Food and nutrition education (EFNEP) | 58,438 | 62,909 | 62,909 |
| Indian reservation agents | 1,760 | 1,996 | 1,760 |
| New technologies for extension ..... | ..... | 3,000 | 2,000 |

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

| | Fiscal year 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|---|-----------------------------|----------------------------|-------------------------------|
| Pest management | 9,920 | 10,759 | 9,920 |
| Sustainable agriculture | 4,067 | 3,792 | 4,067 |
| Youth at risk | 7,478 | 8,481 | 7,478 |
| Youth farm safety education and certification | 440 | 499 | 440 |
| 1890 colleges, Tuskegee University, and West Virginia State Univer- sity | 32,868 | 34,417 | 33,643 |
| 1890 facilities grants | 16,777 | 14,912 | 16,777 |
| Extension services at the 1994 institutions | 3,247 | 3,273 | 3,247 |
| Grants to youth organizations | 2,646 | ..... | 2,646 |
| Renewable Resources Extension Act (RREA) | 4,060 | 4,093 | 4,060 |
| Rural health and safety education | 1,965 | ..... | 1,965 |
| Subtotal | 423,749 | 424,071 | 430,995 |
| Federal administration: | | | |
| Ag in the classroom | 730 | 750 | 865 |
| Agricultural and entrepreneurship education (WI) | 239 | ..... | 250 |
| Alabama beef connection | 390 | ..... | 850 |
| Beef producers improvement (AR) | 180 | ..... | 180 |
| Conservation technology transfer (WI) | 463 | ..... | 486 |
| Dairy education (IA) | 229 | ..... | 229 |
| Dairy industry revitalization (WI) | 298 | ..... | 298 |
| Diabetes detection and prevention (WA) | 1,084 | ..... | 1,084 |
| E-commerce (MS) | 331 | ..... | 331 |
| Efficient irrigation (NM, TX) | 2,162 | ..... | 2,162 |
| Entrepreneurial alternatives (PA) | 333 | ..... | 333 |
| Extension specialist (MS) | 132 | ..... | 132 |
| Food Animal Residue Avoidance Databank | 806 | ..... | 806 |
| Food preparation and marketing (AK) | 331 | ..... | 331 |
| Food product development (AK) | 472 | ..... | 350 |
| General administration | 5,795 | 6,922 | 6,922 |
| Health education leadership (KY) | 843 | ..... | 843 |
| Iowa vitality center | 248 | ..... | 248 |
| National Center for Agriculture Safety (IA) | 241 | ..... | 241 |
| National Wild Turkey Federation | 223 | ..... | 234 |
| Nursery production (RI) | 295 | ..... | ..... |
| Nutrition enhancement (WI) | 965 | ..... | 1,100 |
| Ohio-Israel agriculture initiative | 565 | ..... | 593 |
| Oquirrh Institute | 282 | ..... | 300 |
| Pilot technology transfer (OK, MS) | 298 | ..... | 298 |
| Pilot technology transfer (WI) | 231 | ..... | ..... |
| Potato pest management (WI) | 376 | ..... | 380 |
| Range improvement (NM) | 232 | ..... | 244 |
| Resilient communities (NY) | 130 | ..... | ..... |
| Rural business enhancement (WI) | 188 | ..... | 190 |
| Rural development (AK) | 683 | ..... | 683 |
| Rural development (NM) | 348 | ..... | 348 |
| Rural technologies (HI, WI) | 310 | ..... | 315 |
| Urban horticulture (WI) | 810 | ..... | 817 |
| Urban market development (NY) | 273 | ..... | ..... |
| Web-based agriculture classes (MO) | 178 | ..... | ..... |
| Wood biomass as an alternative farm product (NY) | 188 | ..... | ..... |
| Total, Federal administration | 21,882 | 7,672 | 22,443 |
| Total, CSREES Extension Activities | 445,631 | 431,743 | 453,438 |

Ag in the Classroom.—The Committee recommends \$865,000 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 no less than the fiscal year 2005 level 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 2005 funding level for the Dairy Discovery Farm Program.

Farm Safety.—Of the funds recommended for farm safety, the Committee recommends a funding level of \$4,563,000 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 \$100,000 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 2005 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 2005 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 2005 funding level to the University of Wisconsin at Platteville for collaborative work with the University of Wisconsin Extension.

Rural Development.—The Committee provides \$683,000 for rural development in Alaska. Of this amount \$200,000 shall be used to educate rural villages on gardening techniques and how to maximize food production using the soil in villages.

Urban Horticulture.—The Committee provides the fiscal year 2005 funding level for Urban Horticulture. In addition to funds directed for University of Wisconsin Extension activities, the Committee provides the fiscal year 2005 funding level for Growing Power of Milwaukee, Wisconsin.

INTEGRATED ACTIVITIES

| | |
|--------------------------------|--------------|
| Appropriations, 2005 | \$54,712,000 |
| Budget estimate, 2006 | 35,013,000 |
| House allowance | 15,513,000 |
| Committee recommendation | 55,784,000 |

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 \$55,784,000. This amount is \$1,072,000 more than the fiscal year 2005 appropriation.

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 2005 enacted | Fiscal year 2006 budget | Committee rec- ommendation |
|--|-----------------------------|----------------------------|-------------------------------|
| Critical issues | 744 | 2,500 | 744 |
| Crops at risk from FQPA implementation | 1,389 | ..... | 1,389 |
| Food safety | 14,847 | ..... | 14,847 |
| FQPA risk mitigation program for major food crop systems | 4,464 | ..... | 4,464 |
| Homeland security | 8,928 | 30,000 | 10,000 |
| International science and education grants | 992 | 1,000 | 992 |
| Methyl bromide transition | 3,106 | ..... | 3,106 |
| Organic transition | 1,874 | ..... | 1,874 |
| Regional pest management centers | 4,167 | ..... | 4,167 |
| Regional rural development centers | 1,334 | 1,513 | 1,334 |
| Water quality | 12,867 | ..... | 12,867 |
| Total | 54,712 | 35,013 | 55,784 |

OUTREACH FOR SOCIALLY DISADVANTAGED FARMERS

| | |
|--------------------------------|-------------|
| Appropriations, 2005 | \$5,888,000 |
| Budget estimate, 2006 | 5,935,000 |
| House allowance | 7,810,000 |
| Committee recommendation | 5,888,000 |

This program is authorized under section 2501 of title XXV of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 2279). 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 post-secondary education facilities.

COMMITTEE RECOMMENDATIONS

For outreach for socially disadvantaged farmers, the Committee recommends an appropriation of \$5,888,000. This amount is the same as the fiscal year 2005 appropriation.

The Committee requests the Department provide a report related to the performance of activities funded through the 2501 program that would outline the correlation between these funds and benefits to minority farmers. Benefits measured should include, but not be limited to: increased participation in USDA programs; changes in household income; local and regional impacts; coordination with USDA research and other activities; and reductions in delinquencies and/or foreclosure rates within the Farm Service Agency. The Committee requests that the Department provide this report

to the Committees on Appropriations no later than 90 days after enactment of this Act.

OFFICE OF THE UNDER SECRETARY FOR MARKETING AND
REGULATORY PROGRAMS

| | |
|--------------------------------|-----------|
| Appropriations, 2005 | \$715,000 |
| Budget estimate, 2006 | 724,000 |
| House allowance | 724,000 |
| Committee recommendation | 724,000 |

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 \$724,000. This amount is \$9,000 more than the fiscal year 2005 appropriation.

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

SALARIES AND EXPENSES

| | |
|--|---------------|
| Appropriations, 2005 | \$808,106,000 |
| Budget estimate, 2006 ¹ | 855,162,000 |
| House allowance | 823,635,000 |
| Committee recommendation | 807,768,000 |

¹ The budget estimate does not include proposed user fees in the amount of \$10,857,000.

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 at U.S. ports of entry to prevent the introduction of exotic animal and plant diseases and pests.

Plant and Animal Health Monitoring.—The Agency conducts programs to assess animal and plant health and to detect endemic and exotic diseases and pests.

Pest and Disease Management Programs.—The Agency carries out programs to control and eradicate pest infestations and animal