

**BUILDINGS AND FACILITIES—Continued**  
**Program and Financing—Continued**

Identification code 12-1401-0-1-352	2010 actual	CR	2012 est.
1941 Unexpired unobligated balance, end of year .....	258	299	71
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	38	162	99
3030 Obligations incurred, unexpired accounts .....	181	30	4
3031 Obligations incurred, expired accounts .....		5	
3040 Outlays (gross) .....	-56	-98	-81
3080 Recoveries of prior year unpaid obligations, unexpired .....	-1		
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	162	99	22
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	71	71	-224
Outlays, gross:			
4010 Outlays from new discretionary authority .....			-34
4011 Outlays from discretionary balances .....	56	98	115
4020 Outlays, gross (total) .....	56	98	81
4180 Budget authority, net (total) .....	71	71	-224
4190 Outlays, net (total) .....	56	98	81

Under its Buildings and Facilities account, ARS funds the acquisition of land, construction, repair, improvement, extension, alteration, and purchase of fixed equipment or facilities of or used by ARS. No new funding is requested in 2012. In addition, the budget proposes to cancel \$223.7 million in balances from projects that were not requested in prior budget requests, including projects that have only been partially-funded, and projects that have leftover funding after completion.

**Object Classification (in millions of dollars)**

Identification code 12-1401-0-1-352	2010 actual	CR	2012 est.
Direct obligations:			
25.2 Other services from non-federal sources .....	30	30	4
25.4 Operation and maintenance of facilities .....	147		
31.0 Equipment .....	1		
32.0 Land and structures .....	3		
99.9 Total new obligations .....	181	30	4

**Trust Funds**

**MISCELLANEOUS CONTRIBUTED FUNDS**

**Special and Trust Fund Receipts (in millions of dollars)**

Identification code 12-8214-0-7-352	2010 actual	CR	2012 est.
0100 Balance, start of year .....			
Receipts:			
0220 Deposits of Miscellaneous Contributed Funds, Science and Education Administration .....	14	18	18
0299 Total receipts and collections .....	14	18	18
0400 Total: Balances and collections .....	14	18	18
Appropriations:			
0500 Miscellaneous Contributed Funds .....	-14	-18	-18
0599 Total appropriations .....	-14	-18	-18
0799 Balance, end of year .....			

**Program and Financing (in millions of dollars)**

Identification code 12-8214-0-7-352	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Miscellaneous contributed funds .....	18	18	18

**Budgetary Resources:**

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	21	17	17
Budget authority:			
Appropriations, mandatory:			
1202 Appropriation (trust fund) .....	14	18	18
1930 Total budgetary resources available .....	35	35	35
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	17	17	17

**Change in obligated balance:**

Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	4	3	1
3030 Obligations incurred, unexpired accounts .....	18	18	18
3040 Outlays (gross) .....	-19	-20	-18
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	3	1	1

**Budget authority and outlays, net:**

Mandatory:			
4090 Budget authority, gross .....	14	18	18
Outlays, gross:			
4100 Outlays from new mandatory authority .....		13	13
4101 Outlays from mandatory balances .....	19	7	5
4110 Outlays, gross (total) .....	19	20	18
4180 Budget authority, net (total) .....	14	18	18
4190 Outlays, net (total) .....	19	20	18

Miscellaneous contributed funds received from States, local organizations, individuals, and others are available for work under cooperative agreements on research activities.

**Object Classification (in millions of dollars)**

Identification code 12-8214-0-7-352	2010 actual	CR	2012 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent .....	2	2	2
11.3 Other than full-time permanent .....	1	1	1
11.9 Total personnel compensation .....	3	3	3
12.1 Civilian personnel benefits .....	1	1	1
21.0 Travel and transportation of persons .....		1	1
25.2 Other services from non-federal sources .....	12	11	11
25.5 Research and development contracts .....	1	1	1
26.0 Supplies and materials .....	1	1	1
99.9 Total new obligations .....	18	18	18

**Employment Summary**

Identification code 12-8214-0-7-352	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	37	37	37

**NATIONAL INSTITUTE OF FOOD AND AGRICULTURE**

**Federal Funds**

**INTEGRATED ACTIVITIES**

For the integrated research, education, and extension grants programs, including necessary administrative expenses, \$29,874,000, as follows: for a competitive organic transition program authorized under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626), \$5,000,000; for a competitive international science and education grants program authorized under section 1459A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3292b), \$3,000,000, to remain available until expended; for grants programs authorized under section 2(c)(1)(B) of Public Law 89-106, as amended, for the rapid response to pests and pathogens program, \$732,000, to remain available until September 30, 2013, and for the regional rural development centers program, \$1,312,000; for grants authorized under section 1624 (7 U.S.C. 5813), \$10,000,000; and for the Food and Agriculture Defense Initiative authorized under section 1484

of the National Agricultural Research, Extension, and Teaching Policy Act of 1977, \$9,830,000, to remain available until September 30, 2013.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Program and Financing** (in millions of dollars)

Identification code 12–1502–0–1–352	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0010 Organic research and extension init. ....	20	20	20
0020 Water quality .....	13	13	.....
0030 Food safety .....	15	15	.....
0040 Regional pest management centers .....	4	4	.....
0050 Crops at risk from food quality protection act implementation .....	1	1	.....
0060 Food quality protection act risk mitigation program .....	4	4	.....
0070 Methyl bromide transition program .....	3	3	.....
0071 Homeland Security .....	10	10	10
0072 Sustainable Agriculture Federal-State Matching Grant Program .....	.....	.....	10
0085 Specialty Crop Research Initiative .....	50	50	50
0086 International science and education grants .....	3	3	3
0087 Regional Rural development centers .....	1	1	1
0088 Organic transition .....	5	5	5
0089 Critical issues - plant and animal diseases .....	.....	2	1
0900 Total new obligations .....	129	131	100
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	1	1	.....
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation .....	60	60	30
Appropriations, mandatory:			
1221 Appropriations transferred from other accounts .....	70	70	70
1900 Budget authority (total) .....	130	130	100
1930 Total budgetary resources available .....	131	131	100
Memorandum (non-add) entries:			
1940 Unobligated balance expiring .....	-1	.....	.....
1941 Unexpired unobligated balance, end of year .....	1	.....	.....
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	225	274	282
3030 Obligations incurred, unexpired accounts .....	129	131	100
3031 Obligations incurred, expired accounts .....	43	.....	.....
3040 Outlays (gross) .....	-78	-123	-152
3081 Recoveries of prior year unpaid obligations, expired .....	-45	.....	.....
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	274	282	230
<b>Budget authority and outlays, net:</b>			
Discretionary:			
4000 Budget authority, gross .....	60	60	30
Outlays, gross:			
4010 Outlays from new discretionary authority .....	4	8	6
4011 Outlays from discretionary balances .....	67	47	62
4020 Outlays, gross (total) .....	71	55	68
Mandatory:			
4090 Budget authority, gross .....	70	70	70
Outlays, gross:			
4100 Outlays from new mandatory authority .....	3	4	4
4101 Outlays from mandatory balances .....	4	64	80
4110 Outlays, gross (total) .....	7	68	84
4180 Budget authority, net (total) .....	130	130	100
4190 Outlays, net (total) .....	78	123	152

Under the Integrated Activities account, research, education and/or extension grants are awarded for competitive and non-competitive programs.

**Organic Transition Program.**—This program supports the development and implementation of biologically based pest management practices that mitigate the ecological, agronomic, and economic risks associated with the transition from conventional to organic agricultural production systems.

**International Science and Education grants program.**—This program focuses on incorporating substantive international

activities into programs related to food systems, agriculture and natural resources at U.S. land-grant colleges and universities.

**Rapid Response to Pests and Pathogens.**—Funds are proposed to develop early intervention strategies to prevent, manage or eradicate new and emerging diseases, both plant and animal, which would prevent loss of revenue to growers or producers.

**Regional rural development centers.**—Funding supports activities that pursue a holistic development strategy that tailors programming to meet regional and local needs and addresses areas of opportunity arising from a consumer-driven agricultural economy.

**Sustainable Agriculture Federal-State Matching Grant Program.**—This competitive program will assist in the creation or enhancement of State sustainable agriculture research, extension, and education programs. The matching requirement will leverage State and/or private money, and build the long-term capacity to guide the evolution of American agriculture to a more highly productive, sustainable system. Funding will support activities that integrate sustainable agriculture in all State research, extension, and education projects; support new research at sustainable agriculture centers at the nation's land grant and other colleges and universities; build stronger Statewide farmer-to-farmer networks and outreach and technical assistance strategies; and incorporate sustainable agriculture studies and curriculum in undergraduate and graduate degree programs.

**Food and agriculture defense initiative (homeland security).**—The program provides support to an unified network of public agricultural institutions to identify and respond to high risk biological pathogens in the food and agricultural system. In particular, funding will maintain and enhance risk management tools for Asian soybean rust and other pathogens of legumes. Additional funding for these laboratories is included in the Animal and Plant Health Inspection Service.

**Organic Agriculture Research and Extension Initiative.**—This mandatory program, authorized by section 7206 of the Food, Conservation, and Energy Act of 2008 (FCEA), 2008 Farm Bill, supports research and extension programs that enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products.

**Specialty Crop Research Initiative.**—This mandatory program, authorized by section 7311 of the FCEA, 2008 Farm Bill, provides funding to solve critical industry issues through research and extension activities that focus on research in plant breeding, genetics, and genomics to improve crop characteristics; efforts to identify and address threats from pests and diseases, including threats to specialty crop pollinators; efforts to improve production efficiency, productivity, and profitability over the long term; new innovations and technology, including improved mechanization and technologies that delay or inhibit ripening; and methods to prevent, detect, monitor, control, and respond to potential food safety hazards in the production and processing of specialty crops.

**Object Classification** (in millions of dollars)

Identification code 12–1502–0–1–352	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
11.1 Personnel compensation: Full-time permanent .....	1	1	1
12.1 Civilian personnel benefits .....	1	1	1
25.2 Other services from non-federal sources .....	1	1	1
25.5 Research and development contracts .....	1	1	1
41.0 Grants, subsidies, and contributions .....	125	127	96
99.9 Total new obligations .....	129	131	100

INTEGRATED ACTIVITIES—Continued  
Employment Summary

Identification code 12–1502–0–1–352	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	10	10	10

INITIATIVE FOR FUTURE AGRICULTURE AND FOOD SYSTEMS

1998 Research Act.— Adequate funding for similar research is proposed through other USDA research programs.

BIOMASS RESEARCH AND DEVELOPMENT  
Program and Financing (in millions of dollars)

Identification code 12–1003–0–1–271	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Biomass research and development .....	28	30	40
<b>Budgetary Resources:</b>			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	3	3	3
Budget authority:			
Appropriations, mandatory:			
1221 Appropriations transferred from other accounts .....	28	30	40
1930 Total budgetary resources available .....	31	33	43
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year .....	3	3	3
<b>Change in obligated balance:</b>			
Obligated balance, start of year (net):			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	38	53	64
3030 Obligations incurred, unexpired accounts .....	28	30	40
3040 Outlays (gross) .....	–13	–19	–34
Obligated balance, end of year (net):			
3090 Unpaid obligations, end of year (gross) .....	53	64	70
<b>Budget authority and outlays, net:</b>			
Mandatory:			
4090 Budget authority, gross .....	28	30	40
Outlays, gross:			
4100 Outlays from new mandatory authority .....	9	2	2
4101 Outlays from mandatory balances .....	4	17	32
4110 Outlays, gross (total) .....	13	19	34
4180 Budget authority, net (total) .....	28	30	40
4190 Outlays, net (total) .....	13	19	34

Biomass Research and Development is authorized by the Biomass Research and Development Act of 2000. The program provides competitive grants for research, development, and demonstration to encourage innovation and development related to biomass, and improved commercialization of biobased products and energy. USDA and the Department of Energy jointly administer the program.

Current priorities focus on the following: feedstock development and production; biobased products emphasizing environmental and economic performance and gasification of animal manure; integrated resource management and biomass use; demonstration projects that use biodiesel for all operations in the supply chain to produce corn grain ethanol; and effective and targeted incentive systems for biomass commercialization and adoption. The 2012 Budget funds the program at the authorized level of \$40 million, an increase of \$10 million from the \$30 million that was authorized and funded in 2011. In 2012, the program will continue to focus on feedstocks development; biofuels and biobased products development with attention to biobased products and gasification of animal manure; and biofuels development analysis with an expanded emphasis to require applicants to collect specific data that measures sustainability of the technology being proposed.

Object Classification (in millions of dollars)

Identification code 12–1003–0–1–271	2010 actual	CR	2012 est.
Direct obligations:			
25.2 Other services from non-federal sources .....	1	1	1
41.0 Grants, subsidies, and contributions .....	27	29	39
99.9 Total new obligations .....	28	30	40

RESEARCH AND EDUCATION ACTIVITIES

For payments to agricultural experiment stations, for cooperative forestry and other research, for facilities, and for other expenses, \$708,107,000, as follows: to carry out the provisions of the Hatch Act of 1887 (7 U.S.C. 361a-i), \$204,250,000; for grants for cooperative forestry research (16 U.S.C. 582a through a-7), 27,550,000; for payments to eligible institutions (7 U.S.C. 3222), \$48,500,000, provided that each institution receives no less than \$1,000,000; for special grants (7 U.S.C. 450i(c)), \$1,837,000; for competitive grants on improved pest control (7 U.S.C. 450i(c)), \$16,185,000; for competitive grants (7 U.S.C. 450i(b)), \$324,655,000, to remain available until expended; for the 1994 research grants program for 1994 institutions pursuant to section 536 of Public Law 103–382 (7 U.S.C. 301 note), \$1,805,000, to remain available until expended; for rangeland research grants (7 U.S.C. 3333), \$983,000; for a program pursuant to section 1415A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3151a), \$4,800,000, to remain available until expended; for a higher education multicultural scholars program (7 U.S.C. 3152(b)(5)), \$1,241,000, to remain available until expended (7 U.S.C. 2209b); for an education grants program for Hispanic-serving Institutions (7 U.S.C. 3241), \$10,161,000; for competitive grants for the purpose of carrying out all provisions of 7 U.S.C. 3156 to individual eligible institutions or consortia of eligible institutions in Alaska and in Hawaii, with funds awarded equally to each of the States of Alaska and Hawaii, \$3,200,000; for secondary education, 2-year post-secondary education, and agriculture in the K-12 classroom (7 U.S.C. 3152(j)), \$3,483,000; for aquaculture grants (7 U.S.C. 3322), \$3,928,000; for sustainable agriculture research and education (7 U.S.C. 5811), \$15,000,000; for a program of capacity building grants (7 U.S.C. 3152(b)(4)) to institutions eligible to receive funds under 7 U.S.C. 3221 and 3222, \$20,075,000, to remain available until expended (7 U.S.C. 2209b); for payments to the 1994 Institutions pursuant to section 534(a)(1) of Public Law 103–382, \$3,676,000; for resident instruction grants for insular areas under section 1491 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363), \$900,000; for distance education grants for insular areas under section 1490 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362), \$750,000; for a new era rural technology program pursuant to section 1473E of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3319e), \$875,000; and for necessary expenses of Research and Education Activities, \$14,253,000, of which \$2,704,000 for the Research, Education, and Economics Information System and \$5,136,000 for the Electronic Grants Information System, are to remain available until expended.

HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES ENDOWMENT FUND

For the Hispanic-Serving Agricultural Colleges and Universities Endowment Fund under section 1456 (7 U.S.C. 3243) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977, \$10,000,000, to remain available until expended.

NATIVE AMERICAN INSTITUTIONS ENDOWMENT FUND

For the Native American Institutions Endowment Fund authorized by Public Law 103–382 (7 U.S.C. 301 note), \$11,880,000, to remain available until expended.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

**Special and Trust Fund Receipts** (in millions of dollars)

Identification code 12-1500-0-1-352	2010 actual	CR	2012 est.
0100 Balance, start of year .....	12	24	36
<b>Receipts:</b>			
0240 Earnings on Investments, Native American Institutions Endowment Fund .....	4	4	5
0400 Total: Balances and collections .....	16	28	41
<b>Appropriations:</b>			
0500 Research and Education Activities .....	-4	-4	-5
0501 Research and Education Activities .....	12	12	12
0502 Research and Education Activities .....			10
0599 Total appropriations .....	8	8	17
0799 Balance, end of year .....	24	36	58

**Program and Financing** (in millions of dollars)

Identification code 12-1500-0-1-352	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Payments under the Hatch Act .....	215	215	204
0002 Cooperative forestry research .....	29	29	28
0003 Payments to 1890 colleges and Tuskegee Univ. and West Virginia State University .....	49	49	49
0004 Special research grants .....	129	129	39
0005 Agriculture Food and Research Initiative .....	211	477	325
0006 Animal health and disease research .....	3	3	
0007 Federal Administration .....	45	45	14
0008 Higher education .....	60	55	43
0009 Native American Institutions Endowment Fund .....	4	4	5
0012 Veterinary Medical Services Act .....	5	9	5
0014 New Era Rural Technology .....	1	1	1
0015 Sun Grant Program .....	2	2	
0016 Farm Business Management and Benchmarking .....	2	2	
0017 Food Products to Improve Nutritional Delivery of Food Aid .....	4	4	
0091 Direct program activities, subtotal .....	759	1,024	713
0801 Reimbursable program activity .....	1	12	12
0900 Total new obligations .....	760	1,036	725
<b>Budgetary Resources:</b>			
<b>Unobligated balance:</b>			
1000 Unobligated balance brought forward, Oct 1 .....	192	228	
<b>Budget authority:</b>			
<b>Appropriations, discretionary:</b>			
1100 Appropriation .....	804	804	730
1101 Appropriation (Native American Endowment Interest) .....	4	4	5
1134 Portion precluded from obligation (-) (N.A. Endowment Fund) .....	-12	-12	-12
1134 Portion precluded from obligation (-) Hispanic-Serving Agricultural Colleges and Universities Endowment Fund .....			-10
1160 Appropriation, discretionary (total) .....	796	796	713
<b>Spending authority from offsetting collections, discretionary:</b>			
1700 Collected .....		12	12
1900 Budget authority (total) .....	796	808	725
1930 Total budgetary resources available .....	988	1,036	725
<b>Memorandum (non-add) entries:</b>			
1941 Unexpired unobligated balance, end of year .....	228		
<b>Change in obligated balance:</b>			
<b>Obligated balance, start of year (net):</b>			
3000 Unpaid obligations, brought forward, Oct 1 (gross) .....	884	1,016	1,161
3010 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-23	-17	-17
3020 Obligated balance, start of year (net) .....	861	999	1,144
3030 Obligations incurred, unexpired accounts .....	760	1,036	725
3031 Obligations incurred, expired accounts .....	149		
3040 Outlays (gross) .....	-617	-891	-922
3051 Change in uncollected pymts, Fed sources, expired .....	6		
3081 Recoveries of prior year unpaid obligations, expired .....	-160		
<b>Obligated balance, end of year (net):</b>			
3090 Unpaid obligations, end of year (gross) .....	1,016	1,161	964
3091 Uncollected pymts, Fed sources, end of year .....	-17	-17	-17
3100 Obligated balance, end of year (net) .....	999	1,144	947
<b>Budget authority and outlays, net:</b>			
<b>Discretionary:</b>			
4000 Budget authority, gross .....	796	808	725
<b>Outlays, gross:</b>			
4010 Outlays from new discretionary authority .....	282	420	378

4011 Outlays from discretionary balances .....	335	471	544
4020 Outlays, gross (total) .....	617	891	922
<b>Offsets against gross budget authority and outlays:</b>			
<b>Offsetting collections (collected) from:</b>			
4030 Federal sources .....	-6	-12	-12
<b>Additional offsets against gross budget authority only:</b>			
4052 Offsetting collections credited to expired accounts .....	6		
4070 Budget authority, net (discretionary) .....	796	796	713
4080 Outlays, net (discretionary) .....	611	879	910
4180 Budget authority, net (total) .....	796	796	713
4190 Outlays, net (total) .....	611	879	910

**Memorandum (non-add) entries:**

5000 Total investments, SOY: Federal securities: Par value .....	104	122	134
5001 Total investments, EOY: Federal securities: Par value .....	122	134	156

The National Institute of Food and Agriculture (NIFA) participates in a nationwide system of agricultural research and education program planning and coordination between State institutions and the U.S. Department of Agriculture. It assists in maintaining cooperation among the State institutions, and between the State institutions and their Federal research partners. The agency administers grants and payments to State institutions to supplement State and local funding for agricultural research and higher education.

*Agriculture and Food Research Initiative competitive grants.*—Section 7406 of FCEA establishes the Agriculture and Food Research Initiative (AFRI). AFRI is a competitive grant program to provide funding for fundamental and applied research, extension, and education to address food and agricultural sciences. AFRI projects will address critical issues in U.S. agriculture in the areas of global food security and hunger; climate change; sustainable bioenergy; childhood obesity; and food safety. Addressing these critical issues will engage scientists and educators with expertise in plant health and production and plant products; animal health and production and animal products; food safety, nutrition, and health; renewable energy, natural resources, and environment; agricultural systems and technology; and agriculture economics and rural communities. AFRI allows greater flexibility in the types of projects funded to include: single function projects in research, education, and extension, and integrated research, education and/or extension awards. AFRI is the core competitive grant program for research, education, and extension. The 2012 Budget proposes to increase funding for AFRI from \$262 million to \$325 million, a 61 percent increase in this program from 2009, and includes within the total a redirection of \$12 million from the Graduate Fellowships Program and the Institution Challenge Grants Program into the AFRI program to support activities similar to those previously funded through those two programs to train the next generation of agriculture scientists. This redirection will allow efficiency in management and alignment of medium to long-term research goal with scientific training opportunities and directions.

*Payments under the Hatch Act.*—Funds under the Hatch Act are allocated on a formula basis to agricultural experiment stations of the land-grant colleges in the 50 States, the District of Columbia, Puerto Rico, Guam, the Virgin Islands, American Samoa, Micronesia, and Northern Mariana Islands. In light of constrained budget levels, funding for the Hatch Act is requested at five percent below 2011.

*Cooperative forestry research.*—These funds are allocated by formula to land-grant colleges or agricultural experiment stations in the 50 States, Puerto Rico, Guam, the Virgin Islands, and other State-supported colleges and universities having a forestry school and offering graduate training in forestry sci-

RESEARCH AND EDUCATION ACTIVITIES—Continued

ences. In light of constrained budget levels, funding is requested at five percent below 2011.

*Animal health and disease research.*—Funds, distributed by formula, support livestock and poultry disease research in approximately sixty-seven colleges of veterinary medicine and in eligible agricultural experiment stations.

*Payments to 1890 colleges and Tuskegee University and West Virginia State University.*—Funds allocated on a formula basis support agricultural research and broaden the curricula at the eighteen 1890 land-grant colleges, including Tuskegee University and West Virginia State University.

*Special research grants.*—This program addresses research areas of national interest. Funding is proposed for grant programs in IR-4 minor crop pest management, and sustainable agriculture. The 2012 Budget proposes to consolidate funding for the Expert Integrated Pest Management Decision Support System, Pest Management Alternatives, and Integrated Pest Management and Biological Control into a single program. This consolidation will improve the efficiency of program implementation and will result in research investments with greater focus, more appropriate scale and enhanced impact. Funding for integrated pest management will provide producers with safe, alternative pest control methods resulting in more farmers increasing the number of acres on which Integrated Pest Management (IPM) methods are used. Funding proposed for IR-4 minor crop pest management and minor use animal drugs will address the growing need for registration of safe pesticides and drugs for minor crops and animals and lead to a reduction by half in the levels of chemical and drug residues in food products. These pest management programs will be coordinated to address Food Quality and Protection Act issues. The IR-4 and IPM programs are contained under improved pest control funding. A grant program for global change is proposed for research at universities as part of a coordinated Federal initiative. Funding is also proposed for aquaculture centers, Joe Skeen Institute for rangeland restoration, and New Era Rural Technology Program. The 2012 Budget does not contain funding for earmarks.

*1994 Institutions Research.*—Funding is proposed to continue the competitive research grants program to build the research capacity at the thirty-four 1994 institutions by supporting agricultural research activities that address tribal, national and multistate priorities.

*Federal administration.*—A coordinating and review staff assists in maintaining cooperation within and among the States, and between the States and their Federal research partners. This staff also administers research and education grants and payments to States. Federal administration is funded from a combination of program set-asides from formula and grant programs and from direct appropriation for administration.

*Higher education.*—Funding is proposed for Hispanic-serving institutions education grants program, and a multicultural scholars program. Funding is also proposed for Native American institutions, Alaska Native-serving and Native Hawaiian-serving Institutions, Secondary Education, Two-Year Postsecondary Education, Agriculture in the K-12 Classroom, Distance Education Grants for Insular Areas and Resident Instruction Grants for Insular Areas programs. These programs enable universities to broaden their curricula; increase faculty development; student research projects; and the number of new scholars recruited in the food and agricultural sciences. In addition, an increased number of graduate students, including minority graduate students, will be enrolled in the agricultural sciences. Funding is also proposed for a capacity building pro-

gram at the 1890 institutions as part of the USDA initiative to strengthen these institutions through a broadening of curricula, increased faculty development and student research projects. Funding is proposed in the 2012 Budget for the Veterinary Medical Services Act to provide incentives to hire Federal veterinarians to work in shortage areas. In 2012, the Budget proposes that activities formerly supported under the Graduate Fellowships Program and the Institution Challenge Grants Program be supported under the AFRI program. This will allow efficiency in management and alignment of medium to long-term research goal with scientific training opportunities and directions.

*Reimbursable program.*—Funds support basic and applied agriculture research and activities performed for other USDA, Federal, and non-Federal agencies.

*Native American Institutions Endowment Fund.*—This program provides for an endowment for the 1994 land-grant institutions (34 Tribally controlled colleges) to strengthen the infrastructure of these institutions and develop Indian expertise for the food and agricultural sciences and businesses and their own communities. At the termination of each fiscal year, the Secretary withdraws the income from the endowment fund for the fiscal year, and after making adjustments for the cost of administering the fund, distributes the adjusted income on a formula basis to the 1994 land-grant institutions.

*Hispanic-Serving Agricultural Colleges and Universities Endowment Fund.*—This endowment fund for Hispanic-Serving Agricultural Colleges and Universities will launch the production of skilled and marketable Hispanic student population for employment in the food and agriculture sector. Over the next ten years, the Endowment will lead to significant and measurable enhanced competence and marketability of Hispanic students in the food and agricultural sciences.

Object Classification (in millions of dollars)

Identification code 12-1500-0-1-352	2010 actual	CR	2012 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent .....	17	17	17
12.1 Civilian personnel benefits .....	5	5	5
21.0 Travel and transportation of persons .....	1	1	1
25.2 Other services from non-federal sources .....	3	3	3
25.5 Research and development contracts .....	3	3	3
41.0 Grants, subsidies, and contributions .....	730	995	684
99.0 Direct obligations .....	759	1,024	713
99.0 Reimbursable obligations .....	1	12	12
99.9 Total new obligations .....	760	1,036	725

Employment Summary

Identification code 12-1500-0-1-352	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	220	241	233

BUILDINGS AND FACILITIES

Program and Financing (in millions of dollars)

Identification code 12-1501-0-1-352	2010 actual	CR	2012 est.
Obligations by program activity:			
0001 Direct program activity .....	3	.....	.....
0900 Total new obligations (object class 41.0) .....	3	.....	.....
Budgetary Resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1 .....	1	1	1

1021	Recoveries of prior year unpaid obligations .....	3		
1050	Unobligated balance (total) .....	4	1	1
	Budget authority:			
	Appropriations, discretionary:			
1131	Unobligated balance of appropriations permanently reduced .....			-1
1930	Total budgetary resources available .....	4	1	
	Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year .....	1	1	
<b>Change in obligated balance:</b>				
	Obligated balance, start of year (net):			
3000	Unpaid obligations, brought forward, Oct 1 (gross) .....	4	4	4
3030	Obligations incurred, unexpired accounts .....	3		
3080	Recoveries of prior year unpaid obligations, unexpired .....	-3		
	Obligated balance, end of year (net):			
3090	Unpaid obligations, end of year (gross) .....	4	4	4
<b>Budget authority and outlays, net:</b>				
	Discretionary:			
4000	Budget authority, gross .....			-1
4180	Budget authority, net (total) .....			-1
4190	Outlays, net (total) .....			

Funds provide grants to States and other eligible recipients for the acquisition of land, construction, repair, improvement, extension, alteration and purchase of fixed equipment or facilities to carry out agricultural research, extension, and teaching programs. No funding has been appropriated to this account since 1997. The 2012 Budget proposes to rescind unobligated balances remaining that are no longer needed.

EXTENSION ACTIVITIES

For payments to States, the District of Columbia, Puerto Rico, Guam, the Virgin Islands, Micronesia, the Northern Marianas, and American Samoa, \$466,788,000, as follows: payments for cooperative extension work under the Smith-Lever Act, to be distributed under sections 3(b) and 3(c) of said Act, and under section 208(c) of Public Law 93-471, for retirement and employees' compensation costs for extension agents, \$282,625,000; payments for extension work at the 1994 Institutions under the Smith-Lever Act (7 U.S.C. 343(b)(3)), \$5,321,000; payments for the nutrition and family education program for low-income areas under section 3(d) of the Act, \$68,070,000; payments for the pest management program under section 3(d) of the Act, \$9,938,000; payments for New Technologies for Ag Extension under section 3(d) of the Act, \$1,750,000; payments to upgrade research, extension, and teaching facilities at institutions eligible to receive funds under 7 U.S.C. 3221 and 3222, \$19,770,000, to remain available until expended; payments for youth-at-risk programs under section 3(d) of the Smith-Lever Act, \$8,412,000; for youth farm safety education and certification extension grants, to be awarded competitively under section 3(d) of the Act, \$486,000; payments for carrying out the provisions of the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 et seq.), \$4,068,000; payments for the federally-recognized Tribes Extension Program under section 3(d) of the Smith-Lever Act, \$8,000,000; payments for sustainable agriculture programs under section 3(d) of the Act, \$4,968,000; payments for rural health and safety education as authorized by section 502(i) of Public Law 92-419 (7 U.S.C. 2662(i)), \$1,738,000; payments for cooperative extension work by eligible institutions (7 U.S.C. 3221), \$42,677,000, provided that each institution receives no less than \$1,000,000; payments to carry out section 1672(e)(49) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925), as amended, \$400,000; and for necessary expenses of Extension Activities, \$8,565,000.

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111-242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 12-0502-0-1-352	2010 actual	CR	2012 est.
<b>Obligations by program activity:</b>			
0001 Smith-Lever Act, 3(b) and 3(c) .....	298	298	283
0002 Youth at risk .....	8	8	8

0004	Expanded food and nutrition education program (EFNEP) .....	68	68	68
0005	Pest management .....	10	10	10
0006	Farm Safety .....	5	5	
0009	Federally Recognized Tribes Extension Program .....	3	3	8
0013	Payments to 1890 colleges and Tuskegee Univ. and West Virginia State University .....	43	43	43
0015	Renewable resources extension act .....	4	4	4
0016	Federal administration .....	20	20	9
0019	1890 facilities (section 1447) .....	19	20	20
0021	Sustainable agriculture .....	5	5	5
0022	1994 institutions activities .....	4	4	5
0024	Rural health and safety education .....	2	2	2
0025	Grants to youth serving organizations .....	2	2	
0026	Risk management education .....	10	5	5
0027	New technologies for ag. extension .....	2	2	2
0028	Healthy Urban Enterprise Development .....	1	1	
0029	Beginning Farmers and Ranchers Development Program .....	19	19	19
0030	Food Animal Residue Avoidance Database .....	1	1	
0091	Direct program activities, subtotal .....	524	520	491
0801	Reimbursable program activity .....	4	56	56
0900	Total new obligations .....	528	576	547

<b>Budgetary Resources:</b>				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1 .....	5	1	1
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation .....	495	495	467
Appropriations, mandatory:				
1200	Appropriation .....	1	1	
1221	Appropriations transferred from other accounts .....	24	24	24
1260	Appropriations, mandatory (total) .....	25	25	24
Spending authority from offsetting collections, discretionary:				
1700	Collected .....	28	56	56
1701	Change in uncollected payments, Federal sources .....	-24		
1750	Spending auth from offsetting collections, disc (total) .....	4	56	56
1900	Budget authority (total) .....	524	576	547
1930	Total budgetary resources available .....	529	577	548
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year .....	1	1	1

<b>Change in obligated balance:</b>				
Obligated balance, start of year (net):				
3000	Unpaid obligations, brought forward, Oct 1 (gross) .....	514	568	453
3010	Uncollected pymts, Fed sources, brought forward, Oct 1 .....	-64	-46	-46
3020	Obligated balance, start of year (net) .....	450	522	407
3030	Obligations incurred, unexpired accounts .....	528	576	547
3031	Obligations incurred, expired accounts .....	56		
3040	Outlays (gross) .....	-467	-691	-685
3050	Change in uncollected pymts, Fed sources, unexpired .....	24		
3051	Change in uncollected pymts, Fed sources, expired .....	-6		
3081	Recoveries of prior year unpaid obligations, expired .....	-63		
Obligated balance, end of year (net):				
3090	Unpaid obligations, end of year (gross) .....	568	453	315
3091	Uncollected pymts, Fed sources, end of year .....	-46	-46	-46
3100	Obligated balance, end of year (net) .....	522	407	269

<b>Budget authority and outlays, net:</b>				
Discretionary:				
4000	Budget authority, gross .....	499	551	523
Outlays, gross:				
4010	Outlays from new discretionary authority .....	190	352	336
4011	Outlays from discretionary balances .....	270	319	323
4020	Outlays, gross (total) .....	460	671	659
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources .....	-29	-56	-56
4033	Non-Federal sources .....	-3		
4040	Offsets against gross budget authority and outlays (total) ...	-32	-56	-56
Additional offsets against gross budget authority only:				
4050	Change in uncollected pymts, Fed sources, unexpired .....	24		
4052	Offsetting collections credited to expired accounts .....	4		
4060	Additional offsets against budget authority only (total) .....	28		
4070	Budget authority, net (discretionary) .....	495	495	467
4080	Outlays, net (discretionary) .....	428	615	603
Mandatory:				
4090	Budget authority, gross .....	25	25	24
Outlays, gross:				
4100	Outlays from new mandatory authority .....	1	5	5

EXTENSION ACTIVITIES—Continued  
Program and Financing—Continued

Identification code 12-0502-0-1-352	2010 actual	CR	2012 est.
4101 Outlays from mandatory balances .....	6	15	21
4110 Outlays, gross (total) .....	7	20	26
4180 Budget authority, net (total) .....	520	520	491
4190 Outlays, net (total) .....	435	635	629

The Cooperative Extension System, a national educational network, is a dynamic organization pledged to meeting the country's needs for research-based educational programs that will enable people to make practical decisions to improve their lives. To accomplish its mission, the Cooperative Extension System adjusts programs to meet the shifting needs and priorities of the people it serves.

The nonformal educational network combines the expertise and resources of Federal, State, and local partners. The partners in this unique System are: (a) The National Institute of Food and Agriculture at the U.S. Department of Agriculture; (b) Extension professionals at land-grant universities throughout the United States and its territories; and (c) Extension professionals in nearly all of the Nation's 3,150 counties. Thousands of paraprofessionals and nearly 3 million volunteers support this partnership and magnify its impact. Strong linkages with both public and private external groups are also crucial to the Cooperative Extension System's strength and vitality.

Programs supported with Smith-Lever 3(b) and (c) legislated formula funds are the major educational efforts central to the mission of the System and common to most Extension units. These programs are the foundation of the Extension organization and partnership that are intended to increase the number of community-based projects, families, and individuals reached to disseminate research findings as widely and quickly as possible. The use of electronic mail, satellite transmission of courses, and computer-assisted instruction are encouraged to communicate ideas.

Extension resources are provided to the States by these formula funds and competitively-awarded programs such as sustainable agriculture. Smith-Lever 3(b) and (c) funds and payments to the 1890 colleges and Tuskegee University and West Virginia State University provide funds to support the Extension's infrastructure. Funding for these programs is included in the 2012 Budget request. Due to budget constraints, Smith-Lever 3(b) and (c) is funded at five percent below 2011.

Funds for designated programs, funded by Smith-Lever 3(d) such as the Expanded Food and Nutrition Education Program, Pest Management, New Technologies for Agricultural Extension, Children, Youth and Families at Risk, Youth Farm Safety Education and Certification, Sustainable Agriculture, and Federally-Recognized Tribes Extension Program are proposed for funding in 2012. Other Extension programs supported in the 2012 Budget include Extension Services at 1994 Institutions, Renewable Resources Extension Act, Rural Health and Safety, 1890 Facilities, and Women and Minorities in Science, Technology, Engineering, and Mathematics Fields.

*Beginning Farmer and Rancher Development Program.*—This mandatory program, authorized by section 7410 of the Food, Conservation, and Energy Act of 2008 (FCEA), 2008 Farm Bill, provides funding to support the development of education, outreach, curricula, workshops, educational teams, training, and technical assistance programs to assist beginning farmers and ranchers in the United States and its territories in entering, building, and managing successful farm and ranch enterprises.

This program also will provide support for an online electronic and library clearinghouse to provide associated support to individually funded projects, and the overall program.

Object Classification (in millions of dollars)

Identification code 12-0502-0-1-352	2010 actual	CR	2012 est.
<b>Direct obligations:</b>			
11.1 Personnel compensation: Full-time permanent .....	11	11	11
12.1 Civilian personnel benefits .....	3	3	3
21.0 Travel and transportation of persons .....	1	1	1
25.2 Other services from non-federal sources .....	3	3	3
25.5 Research and development contracts .....	2	2	2
41.0 Grants, subsidies, and contributions .....	504	500	471
99.0 Direct obligations .....	524	520	491
99.0 Reimbursable obligations .....	4	56	56
99.9 Total new obligations .....	528	576	547

Employment Summary

Identification code 12-0502-0-1-352	2010 actual	CR	2012 est.
1001 Direct civilian full-time equivalent employment .....	158	159	142

ANIMAL AND PLANT HEALTH INSPECTION  
SERVICE

Federal Funds

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

*For necessary expenses of the Animal and Plant Health Inspection Service, including up to \$30,000 for representation allowances and for expenses pursuant to the Foreign Service Act of 1980 (22 U.S.C. 4085), \$832,706,000, of which \$2,058,000, to be available until expended, shall be available for the control of outbreaks of insects, plant diseases, animal diseases and for control of pest animals and birds ("contingency fund") to the extent necessary to meet emergency conditions; of which \$8,977,000, to remain available until expended, shall be used for the cotton pests program for cost share purposes or for debt retirement for active eradication zones; of which \$14,150,000, to remain available until expended, shall be for Animal Disease Traceability; of which \$891,000 shall be for activities under the authority of the Horse Protection Act of 1970, as amended (15 U.S.C. 1831); of which \$55,733,000, to remain available until expended, shall be used to support avian health; of which \$4,474,000, to remain available until expended, shall be for information technology infrastructure; of which \$154,700,000, to remain available until expended, shall be for specialty crop pests; of which \$9,068,000, to remain available until expended, shall be for field crop and rangeland ecosystem pests; of which \$60,462,000, to remain available until expended, shall be for tree and wood pests; of which \$3,568,000, to remain available until expended, shall be for the National Veterinary Stockpile; of which up to \$1,500,000, to remain available until expended, shall be for the scrapie program for indemnities; of which \$1,000,000, to remain available until expended, shall be for wildlife services methods development; of which \$1,500,000, to remain available until expended, shall be for the wildlife damage management program for aviation safety; and of which \$5,045,000, to remain available until expended, shall be for the screwworm program : Provided , That no funds shall be used to formulate or administer a brucellosis eradication program for the current fiscal year that does not require minimum matching by the States of at least 40 percent: Provided further, That this appropriation shall be available for the operation and maintenance of aircraft and the purchase of not to exceed four, of which two shall be for replacement only: Provided further, That, in addition, in emergencies which threaten any segment of the agricultural production industry of this country, the Secretary may transfer from other appropriations or funds available to the agencies or corporations of the Department such sums as may be deemed necessary, to be available only in such emergencies for the arrest and eradication of contagious or infectious disease or pests of animals, poultry, or plants, and for expenses in accordance with sections*