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**CONFERENCE COMMITTEE ON H.R. 2419**

**Title VII – Research**

**Section-by-Section Comparison of House Bill,  
Senate Amendment, and Current Law**

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Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
		<p>any State which (A) admits as regular students only persons having a certificate of graduation from a school providing secondary education, or the recognized equivalent of such a certificate, (B) is legally authorized within such State to provide a program of education beyond secondary education, (C) provides an educational program for which a bachelor's degree or any other higher degree is awarded, (D) is a public or other nonprofit institution, and (E) is accredited by a nationally recognized accrediting agency or association.</p>		<p>university.</p>	
<p><b>T7-3</b></p>	<p><b><u>Budget Submission and Funding</u></b>  <b>Sec. 7102 of H.R. 2419</b></p>	<p>No comparable provision.</p>	<p><b>Sec. 7102</b> Requires the President to submit with the annual budget request a single line item reflecting the total funding request for competitive programs for the fiscal year and the previous five fiscal years.</p> <p>The capacity program critical base funding request should be apportioned among programs based on priorities established by the Undersecretary and Directors of the National Agricultural Research Program Office's (NARPO). Additional funds requested should enhance 1890's, 1994's, small 1862's ASCARR Institutions, and HSACUs.</p> <p>The competitive program critical base funding request should be apportioned among programs based on priorities established by the Undersecretary and Directors of NARPO. Additional funds</p>	<p>No comparable provision.</p>	

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			<p>requested should support study of emerging problems and their solutions.</p> <p>Necessary sums are authorized to be appropriated.</p> <p>Competitive programs under this section include only those requested by the President for appropriations funding.</p>		
T7-4	<p><b><u>Additional Purposes of Agricultural Research and Extension</u></b></p> <p><b>Sec. 7103 of H.R. 2419</b></p>	<p><b>Sec. 1403 of the National Agricultural Research Extension and Teaching Policy Act of 1977 (NARETPA) (7 USC 3102)</b> The purposes of this title are to establish USDA as the lead agency in food and ag sciences; improve the coordination of ag research, extension and teaching programs; increase coordination of ag research among Federal, State, State experiment stations, colleges, universities and user groups; enable the Federal and State governments, colleges and universities to implement ag research, extension and teaching programs; establish new grant programs for high priority ag research, facilities use din ag research, and fellowships to strengthen research extension, and teaching programs.</p>	<p><b>Sec. 7103</b> Adds additional purposes of agricultural research and extension to include:</p> <p>Integrating and organizing agricultural research, extension, education and related programs to respond to 21<sup>st</sup> century challenges, and to continue to meet the needs of society from a local, Tribal, State, National and international perspective;</p> <p>Minimize duplication and maximize coordination of the program at all levels;</p> <p>Position the research, extension, education and related programs system in order to expand the portfolio to increase its contribution to society.</p>	No comparable provision.	
T7-5	<p><b><u>National Agricultural Research Program Office</u></b></p> <p><b>Sec. 7104 of H.R. 2419, Sec. 7402 of</b></p>	No comparable provision.	<p><b>Sec. 7104</b> Establishes six research Program Offices, collectively known as the "National Agricultural Research Program Office" within the office of the Under Secretary of Agriculture for Research, Education, and Economics. The NARPO will coordinate</p>	<p><b>Sec. 7402</b> Establishes coordination between the Agricultural Research Service and the National Institute of Food and Agriculture (formerly CSREES).</p>	

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	<p><b>the Senate Amendment</b></p>		<p>the programs and activities of the research agencies within the mission area to the maximum extent practicable.</p> <p>The NARPO will include the following offices: Renewable energy, resources, and environment; Food safety, nutrition, and health; Plant health and production; Animal health and production and animal products; Agriculture systems and technology; and Agriculture economics and rural communities.</p> <p>Each research Program Office will have a Director appointed by the Under Secretary, and will have conducted outstanding research, education or extension in agriculture or forestry, earned a doctorate, and met the standards for appointment to a senior level of the competitive service.</p> <p>The Directors will formulate programs, assess workforce needs, cooperate with the Board in planning for personnel needs, develop strategic planning and priorities for department-wide research, education, extension and related activities, and communicate with program beneficiaries.</p> <p>The Under Secretary, along with the Directors and in consultation with the National Agricultural Research, Education and Economics Advisory Board (the Board), will direct and coordinate programs within relevant departmental agencies to focus on understanding</p>	<p>The Undersecretary for Research, Education, and Economics shall coordinate the programs under the authority of the Administrator of ARS and the Director of NIFA, and the staff of the Administrator and the Director, including national program leaders are required to meet on a regular basis to: increase coordination and integration of research programs at ARS and the research, extension, and education programs of NIFA; coordinate responses to emerging issues; minimize duplication of work and resources at the staff level of each agency; use the extension and education program to deliver knowledge to stakeholders; address critical needs facing agriculture; and focus the research, extension, and education funding strategy of the Department.</p> <p>An annual report to Congress is required on efforts to increase coordination between ARS and NIFA.</p> <p>The Undersecretary for Research, Education, and Economics is charged with undertaking a roadmap to identify major opportunities and gaps in agricultural research, extension, and education, and to use this roadmap to set the research agenda and recommend funding levels for programs in this mission area of the Department.</p> <p>Authorizes such sums as necessary for activities undertaken to develop the</p>	

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			<p>program problems and opportunities, addressing those problems, and national/regional/local priorities.</p> <p>The Undersecretary will coordinate with the Directors and receive the advice of the Board to ensure that programs are integrated and coordinated.</p> <p>The Under Secretary will fund each Program Office with appropriated funds made available to the agencies within the mission area. The total number of staff for all Program Offices shall not exceed 30 full time positions and shall be filled by current positions.</p> <p>The Undersecretary will integrate leadership functions from existing program offices to ensure that Program offices are the primary program leaders.</p> <p>Requires the Under Secretary to develop and implement specialty crop research activities; facilitate information delivery; and ensure coordination among research initiatives related to specialty crops.</p>	roadmap.	
T7-6	<p><b><u>Establishment of Competitive Grant Programs Under the National Institute for Food and Agriculture</u></b></p> <p><b>Sec. 7105 of H.R. 2419, Sec. 7401 of</b></p>	No comparable provision.	<p><b>Sec. 7105</b> Establishes the National Institute for Food and Agriculture within the Cooperative State Research, Education, and Extension Service to administer all competitive programs as defined in section 7101.</p>	<p><b>Sec. 7401</b> Transfers all authorities under the Cooperative State Research, Education and Extension Service (CSREES) to a National Institute of Food and Agriculture (NIFA). All programs currently under CSREES continue under NIFA</p> <p>NIFA is headed by a Director, who is</p>	

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	<p><b>the Senate Amendment</b></p>			<p>required to report to and consult with the Secretary on research, extension, and education activities of NIFA. The Director will work with the Undersecretary for Research, Education, and Economics to ensure proper coordination and integration of all research programs within the responsibility of the Department.</p> <p>Establishes four offices at NIFA to increase competitive grant opportunities and re-establish the importance of the land-grant college and university system. First, the Office of the Agricultural Research, Extension, and Education Network administers all infrastructure programs, also known as capacity programs, such as programs funded by formula funds at State Agricultural Experiment Stations and the Extension Service. Second, the Office of Competitive Programs for Fundamental Research administers competitive programs that fund fundamental (basic) food and agricultural research, such as the National Research Initiative's basic research projects. Third, the Office of Competitive Programs for Applied Research administers competitive programs for applied food and agricultural research. Fourth, the Office of Competitive Programs for Education and Other Purposes administers competitive programs for education and other fellowships. The Director of NIFA has the discretion to divide programs that</p>	

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				<p>intersect more than one competitive program office.</p> <p>Subsection (a) authorizes appropriations for NIFA, above the authorizations of individual programs, to be allocated according to recommendations in a roadmap to be spearheaded by the Undersecretary of Research, Education and Economics under section 7402 of the Senate Amendment.</p> <p>Subsection (c) is a series of conforming amendments to modify each place in existing law to reflect the change from “the Cooperative State Research, Education, and Extension Service” to “the National Institute of Food and Agriculture”.</p>	
T7-7	<p><b><u>Merging of IFAFS and NRI</u></b></p> <p><b>Sec. 7106 of H.R. 2419, Sec. 7201 and Sec. 7307 of the Senate Amendment</b></p>	<p><b>Sec. 2 of the Competitive, Special, and Facilities Research Grant Act (CSFRGA) (7 USC 450i)</b> Authorizes the NRI and provides for competitive grants for research to advance USDA programs. Allocation shall be made to high priority research.</p> <p><b>Sec. 401 of the Agricultural Research, Extension, and Education Reform Act of 1990 (AREERA)(7 USC 7621).</b> Authorizes IFAFS and provides mandatory \$200,000,000 in mandatory funding for research, extension and education grants to address critical emerging ag and rural issues and priority mission areas.</p>	<p><b>Sec. 7106</b> The law authorizing the Initiative on Future Agricultural and Food Systems (IFAFS) is repealed and merged with the law authorizing the National Research Initiative (NRI).</p> <p>The competitive grants authorized under the new program shall be available to State Agricultural Experiment Stations, all colleges, universities, university research foundations, research institutions and organizations, Federal agencies, national laboratories, private organizations, corporations or individuals.</p>	<p><b>Sec. 7201: Initiative for Future Agriculture and Food Systems</b></p> <p>Adds sustainable and renewable agriculture-based energy production, ecosystem services, and beginning farmers and ranchers to the purposes of the Initiative for Future Agriculture and Food Systems (IFAFS).</p> <p>Strikes provision allocating \$200,000,000 per year in mandatory funds for IFAFS and provides \$45,000,000 in mandatory funds for IFAFS to be obligated 30 days after the enactment of the farm bill.</p>	

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		<p>Terms shall not exceed 5 years.</p> <p>Funds may not be used for construction.</p> <p><b>Sec. 2(b)(10) of CSFRGA:</b> NRI funds allocated as follows: 30% for multidisciplinary teams; not less than 40% for mission linked system research; not less than 10 percent for education and research opportunities; not more than 2% for equipment grants; not more than 4 % retained by the Secretary for administrative costs.</p> <p><b>Sec. 401(f)(4) AREERA</b> Matching funds shall be required for IFAFS grants if the grant is for applied commodity specific research and not national in scope.</p> <p>No comparable provision.</p> <p>No comparable provision.</p> <p><b>Sec. 401 (b)(3)(D) AREERA:</b></p>	<p>The term of any grant received under this program shall not exceed 10 years.</p> <p>All grant awards shall be made on the basis of peer and merit review.</p> <p>Funds may not be used for construction.</p> <p>Within this new combined program will be 2 separate programs for basic and applied research, to be referred to as the NRI and IFAFS, respectively.</p> <p>NRI funding shall be allocated as follows: 30 per cent for multidisciplinary teams; 20 percent for missions linked systems research; not less than 10 percent for education and research opportunities. The offer or availability of matching funds shall not be taken into account when making a grant. The match requirement may be waived in certain instances.</p> <p>Matching funds shall be required for IFAFS grants if the grant is for applied commodity specific research and not national in scope.</p> <p>In addition to NRI grants, the Secretary may conduct a program in agricultural, food and environmental sciences in a variety of specified categories.</p> <p>60 percent of funds made available shall fund the NRI, and 40 percent will fund IFAFS.</p>	<p>Requires 32 percent of appropriated funds for the National Research Initiative (NRI) to go towards IFAFS projects if funds are not appropriated or obligated for IFAFS.</p> <p><b>Sec. 7307: Competitive, Special and Facilities Research Grant Act (National Research Initiative)</b></p> <p>Adds research on agricultural genomics and biotechnology, classical animal and plant breeding, beginning farmers and ranchers and the judicious use of antibiotics to the research priorities of the National Research Initiative.</p> <p>Extends the availability of grant funds for classical plant and animal breeding to ten years.</p> <p>Establishes National Research Support Project-7 for research on drugs for use in minor animal species.</p>	

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		<p>\$200,000,000 mandatory authorized funds.</p> <p><b>Sec. 2(B)(10) of CSFRGA:</b> Authorized \$500,000,000 each fiscal year to be appropriated.</p> <p><b>Subsection 2(d) CSFRGA:</b> Secretary to make annual grants to support renovation and refurbishment of research spaces, purchase equipment, or new construction for auxiliary facilities.</p> <p>This section also modifies section 401(b) of the Act (7 U.S.C. 7621 (b))</p>	<p>Funding made available under current statute for IFAFS will be transferred to this new combined program.</p> <p>\$500,000,000 are authorized to be appropriated, and shall remain available until expended for obligations incurred in that fiscal year.</p> <p>Repeals the authority for construction of non-Federal agricultural research facilities with Federally appropriated funds.</p>		
T7-8	<p><b><u>Capacity Building Grants for ASCARR Institutions</u></b></p> <p><b>Sec. 7107 of H.R. 2419</b></p>	No comparable provision.	<p><b>Sec. 7107</b></p> <p>Grants will be made for ASCARR Institutions to maintain and expand education, outreach and research capacity relating to agriculture, renewable resources and other similar fields.</p> <p>Necessary sums are authorized to be appropriated.</p>	No comparable provision.	
T7-9	<p><b><u>Establishment of Research Laboratories for Animal Diseases</u></b></p> <p><b>Sec. 7108 of H.R. 2419, Sec. 11016 of the Senate Amendment (Live virus of foot and</b></p>	No comparable provision.	<p><b>Sec. 7108</b></p> <p>Authorizes the Secretary to establish animal disease research laboratories, and to the extent that an animal disease constitutes a threat to the livestock industry, authorizes the Secretary to conduct research, diagnostics, and other activities.</p> <p>Prohibits a person, State or Federal</p>	<p><b>Sec. 11016</b></p> <p>Requires USDA to issue a permit to DHS for work on live Foot and Mouth Disease virus at the National Bio and Agro-Defense Laboratory.</p> <p>Allows USDA to invalidate the permit if research is not conducted in accordance with USDA regulations.</p>	

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	mouth disease research)		agency from importing, transporting or storing at a research facility a live virus that the Secretary determines to be a threat to livestock, such as foot-and-mouth disease. The Secretary may, however, import, transport or store such a live virus, and may also allow for a person, State or Federal agency to do the same, if it is in the public interest.  Necessary sums are authorized to be appropriated.	Clarifies that the suspension, revocation or impairment of the permit shall only be made by the Secretary of Agriculture and is a nondelegable function.	
T7-10	<u>Grazinglands Research Laboratory</u>  Sec. 7109 of H.R. 2419	No comparable provision.	<b>Sec. 7109</b> Lands and facilities administered by USDA shall not be declared excess or surplus property.	No comparable provision.	
T7-11	<u>Research Training</u>  Sec. 7110 of H.R. 2419	<b>Sec. 1668 of the FACT Act of 1990.</b> Authorizes environmental assessment research regarding the effects of biotechnology and research to help regulators develop long-term policies regarding such technology.	<b>Sec. 7110</b> Plant genetic researchers receiving certain federal funds are required to complete an approved training program.	No comparable provision.	
T7-12	<u>Fort Reno Science Park Research Facility</u>  Sec. 7111 of H.R. 2419	No comparable provision.	<b>Sec. 7111</b> The Secretary may lease the land at the Grazinglands Research Laboratory to the University of Oklahoma.	No comparable provision.	
T7-13	<u>Assessing the Nutritional Composition of Beef Products</u>  Sec. 7112 of H.R.	No comparable provision.	<b>Sec. 7112</b> A grant will be available to a land-grant university to update the Nutrient Composition Handbook for Beef. Necessary sums are authorized to be appropriated.	No comparable provision.	

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<b>T7-14</b>	<b><u>Sense of Congress Regarding Funding for Human Nutrition Research</u></b>  <b>Sec. 7113 of H.R. 2419</b>	No comparable provision.	<b>Sec. 7113</b> It is the sense of Congress that human nutrition research has the potential for improving the health of Americans.	No comparable provision.	
<b>T7-15</b>			<b>Subtitle B – National Agricultural Research, Extension and Teaching Policy Act of 1977</b>		
<b>T7-16</b>	<b><u>Advisory Board</u></b>  <b>Sec. 7201 of H.R. 2419, Sec.7002 and Sec. 7401 of the Senate Amendment</b>	<b>Sec. 1408(g)(1) of NARETPA:</b> The maximum annual limitation on expenses for the National Agricultural Research, Extension, Education, and Economics Advisory Board is \$350,000.  <b>Sec. 1408 (b) of NAREPTA:</b> The members of the NAREEE Advisory Board represent the following: a national farm organization; farm cooperatives; producers of a food animal commodity; producers of a plant commodity; a national animal commodity organization; a national crop commodity organization; a national aquaculture association; a national food animal science society; a national crop, soil, agronomy, horticulture, or weed science society; a national food science organization; a national human health association; a national nutritional science society; 1862 land-grant colleges and universities; 1890 land-grant colleges or universities; 1994 institutions; a Hispanic-serving institutions; the American Colleges of Veterinary Medicine; a non-land grant	<b>Sec. 7201</b> Increases the maximum annual limitation on to \$500,000.  No comparable provision.	<b>Sec. 7002</b> Identical to House provision.  <b>Sec. 7401</b> Subsection (b) modifies section 1408(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123(b)) to change membership in the National Agricultural Research, Extension, Education, and Economics Advisory Board from thirty-one members to twenty-four members. Members representing the following organizations are not members of the NAREEE Advisory Board in this legislation: a national animal commodity organization, a national crop commodity organization; a national aquaculture association; a non-land grant college or university with a historic commitment to research in the food and agricultural sciences; the portion of the scientific community not closely associated with	

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		college or university with a historic commitment to research in the food and agricultural sciences; the portion of the scientific community not closely associated with agriculture; transportation of food and agricultural products; food retailing and marketing interests; food and fiber processors; rural economic development; a national consumer interest group; a national forestry group; a national conservation or natural resource group; private sector organizations involved in international development; an agency within USDA that does not have research capabilities; a research agency of the Federal Government (other than USDA); a national social science association; and national organizations directly concerned with agricultural research, education and extension.		agriculture; an agency within USDA that lacks research capabilities; a research agency of the Federal Government other than USDA; and national organizations directly concerned with agricultural research, education, and extension. One member actively engaged in aquaculture is added to compensate for the loss of representation from a national aquaculture association.	
T7-17	<p><b><u>Advisory Board Termination</u></b></p> <p><b>Sec. 7202 of H.R. 2419, Sec. 7002 of the Senate Amendment</b></p>	<b>Sec. 1408(h) of NARETPA:</b> authorized the Board until 2007.	<b>Sec. 7202</b> Extends the authorization of the Board until 2012.	<b>Sec. 7002</b> Identical to House provision.	
T7-18	<p><b><u>Renewable Energy Committee</u></b></p> <p><b>Sec. 7203 of H.R. 2419</b></p>	No comparable provision.	<b>Sec. 7203</b> Requires the executive committee of the National Agricultural Research, Extension, Education, and Economics Advisory Board to establish and appoint initial members to a permanent renewable energy subcommittee, responsible for studying the research, extension, and	No comparable provision.	

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			<p>economics programs affecting the renewable energy industry. The renewable energy committee will submit annual reports to the Board with the committee's findings and recommendations.</p> <p>The Renewable Energy Subcommittee shall coordinate with the Biomass Research and Development Act Committee.</p> <p>When preparing the annual budget recommendations for the Department, the Secretary shall take into account the recommendations made by the committee and adopted by the Advisory Board.</p>		
T7-19	<p><b><u>Specialty Crop Committee Report</u></b></p> <p><b>Sec. 7204 of H.R. 2419</b></p>	<p><b>Sec. 1408A of NARETPA:</b> Directs the Advisory Board to establish and appointed members to a Specialty Crop committee to study the scope and effectiveness of research extension and economics programs affecting the specialty crop industry.</p>	<p><b>Sec. 7204</b></p> <p>Expands the list of recommendations the specialty crops subcommittee must make annually to the National Agricultural Research, Extension, Education, and Economics Advisory Board to include economic analyses of the specialty crop sector and data that provide applied information useful to specialty crop growers.</p>	No comparable provision.	
T7-20	<p><b><u>Inclusion of UDC Grants and Fellowships for Food and Agricultural Sciences Education</u></b></p> <p><b>Sec. 7205 of H.R.</b></p>	<p><b>Sec. 1417 of NARETPA:</b> Authorizes the Secretary to make grants to land grants, colleges and universities with significant minority enrollment and other colleges and universities with a capacity to teach food and ag sciences.</p>	<p><b>Sec. 7205</b></p> <p>Adds the University of the District of Columbia as an eligible university to compete for Food and Agricultural Sciences Education, and makes UDC eligible for a set aside for colleges that uniquely represent minority groups.</p>	<p><b>Sec. 7004</b></p> <p>Same as House provision with differences in legal language.</p>	

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	<p><b>2419, Sec. 7004 of the Senate Amendment</b></p>				
<p><b>T7-21</b></p>	<p><b><u>Grants and Fellowships for Food and Agricultural Sciences Education</u></b></p> <p><b>Sec. 7206 of H.R. 2419, Sec. 7007 of the Senate Amendment</b></p>	<p><b>Sec. 1417(j) of NARETPA:</b> Authorizes grants and fellowships for food and ag sciences education in secondary and post-secondary teaching programs.</p> <p>Authorized appropriations of \$60,000,000 per FY through 2007.</p>	<p><b>Sec. 7206</b> Includes institution of higher education that award an associate’s degree, other institutions of higher education and non-profit organizations as eligible institutions for teaching program grants.</p> <p>Adds Agriculture in the classroom as an eligible grant activity.</p> <p>Authorization for appropriations in the current amount of \$60,000,000 for each fiscal year is extended to 2012.</p> <p>A report is required to detail the distribution of funds to teaching programs.</p>	<p><b>Sec. 7007</b> Same as House provision with differences in legal language.</p>	
<p><b>T7-22</b></p>	<p><b><u>Grants for research on Production and Marketing of Alcohols and Industrial Hydrocarbons from Agricultural Commodities and Forest Products</u></b></p> <p><b>Sec. 7207 of H.R. 2419, Sec. 7008 of the Senate Amendment</b></p>	<p><b>Sec. 1419(d) of NARETPA</b> authorized grants for research on production and marketing of alcohols and industrial hydrocarbons from ag commodities and forest products until 2007.</p>	<p><b>Sec. 7207</b> Authorization for appropriations is extended to 2012.</p>	<p><b>Sec. 7008</b> Identical to House provision.</p>	

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T7-23	<p><b><u>Policy Research Centers</u></b></p> <p><b>Sec. 7208 of H.R. 2419, Sec. 7009 of the Senate Amendment</b></p>	<p><b>Sec. 1419A of NARETPA:</b> Grants are available to policy research centers to conduct research and education that are independent of the Federal Government and concern the effect of policies and trade agreements the ag sector, environment, rural families, and consumers.</p>	<p><b>Sec. 7208</b> Includes the Food Agricultural Policy Research Institute (FAPRI) and the Agricultural and Food Policy Center as eligible to receive grants under this section. Extends authorization for appropriations through 2012.</p>	<p><b>Sec. 7009</b> Same as House provision with addition of the Community Vitality Center as eligible to receive grants under this section.</p>	
T7-24	<p><b><u>Human Nutrition Intervention and Health Promotion Research Program</u></b></p> <p><b>Sec. 7209 of H.R. 2419, Sec. 7010 of the Senate Amendment</b></p>	<p><b>Sec. 1424(d) of NARETPA:</b> Establishes grant program for multi-year research on human nutrition.</p>	<p><b>Sec. 7209</b> Extends authorization of appropriations through 2012.</p>	<p><b>Sec. 7010</b> Identical to House provision.</p>	
T7-25	<p><b><u>Pilot research Program to Combine Medical and Agricultural Research</u></b></p> <p><b>Sec. 7210 of H.R. 2419, Sec. 7011 of the Senate Amendment</b></p>	<p><b>Sec.1424A (d) of NARETPA:</b> Authorizes an appropriation of \$10 million for each of the fiscal years 1997 through 2007 for the Secretary to conduct a pilot research program to link major cancer and heart disease research efforts with agricultural research efforts to identify compounds in vegetables and fruits that prevent these diseases.</p>	<p><b>Sec. 7210</b> Extends authorization of appropriations through 2012.</p>	<p><b>Sec. 7011</b> Identical to House provision.</p>	
T7-26	<p><b><u>Nutrition Education Program</u></b></p> <p><b>Sec. 7211 of H.R. 2419, Sec. 7012 of the Senate Amendment</b></p>	<p>Sec. 1425(c)(3) of NARETPA: Establishes a national education program to disseminate results of USDA ag research.</p>	<p>Sec. 7211 Authorizes appropriations of \$90,000,000 for each of the fiscal years through 2012, to carry out the food and nutrition education program.</p> <p><i>*Note: comparable to Sec.7604 of H.R. 2419, Sec.7012 of the Senate amendment</i></p>	<p><b>Sec. 7012</b> No comparable provision.</p>	
T7-27	<p><b><u>Continuing Animal Health and Disease</u></b></p>	<p><b>Sec. 1433(a) of NARETPA:</b> Authorizes \$25 million to be appropriated for each of</p>	<p><b>Sec. 7212</b> Extends the \$25 million authorization of</p>	<p><b>Sec. 7014</b> Identical to House provision.</p>	

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	<u>Research Programs</u>  <b>Sec. 7212 of H.R. 2419, Sec. 7014 of the Senate Amendment</b>	the fiscal years 1997 through 2007 to support animal health and disease research programs.	appropriations through 2012.		
T7-28	<u>Cooperation Among Eligible Institutions</u>  <b>Sec. 7213 of H.R. 2419</b>	<b>Sec. 1433 of NARETPA:</b> Authorizes funds for animal health and disease research programs.  No comparable provision.	<b>Sec. 7213</b> The Secretary shall encourage cooperation among institutions eligible for funding under Continuing Animal Health and Disease Research Programs in setting research priorities.	No comparable provision.	
T7-29	<u>Appropriations for Research on National or Regional Problems</u>  <b>Sec. 7214 of H.R. 2419, Sec. 7015 of the Senate Amendment</b>	<b>Sec. 1434(a) of NARETPA:</b> Authorizes an appropriation of \$35 million for each of the fiscal years 1991 through 2007 to support research on specific national or regional animal health or disease problems, or national or regional problems relating to pre-harvest, on-farm food safety.	<b>Sec. 7214</b> Extends the \$35 million authorization of appropriations 2012.	<b>Sec. 7015</b> Identical to House provision.	
T7-30	<u>Authorization Level of Extension at 1890 Land-Grant Colleges</u>  <b>Sec. 7215 of H.R. 2419, Sec. 7017 of the Senate Amendment</b>	<b>Sec. 1444(a)(2) of NARETPA:</b> Authorizes funds for extension at 1890 land-grant colleges, including Tuskegee University.	<b>Sec. 7215</b> Increases the amount from funds appropriated for cooperative extension work at land-grant institutions from 15 to 20 per cent of the total.	<b>Sec. 7017</b> Identical to House provision.	
T7-31	<u>Authorization Level for Agricultural Research at 1890 Land Grant Colleges</u>	<b>Sec. 1445(a)(2) of NARETPA:</b> Authorizes appropriations for ag research, disseminating results of such research, , administration, purchase and rental of land, construction and repair of buildings used for ag research.	<b>Sec. 7216</b> Increases the amount of funds appropriated under the Hatch Act for agricultural research at the 1890's Land Grant institutions from 25 to 30 percent.	<b>Sec. 7018</b> Identical to House provision.	

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	<p><b>Sec. 7216 of H.R. 2419, Sec. 7018 of the Senate Amendment</b></p>				
<p><b>T7-32</b></p>	<p><b><u>Grants to Upgrade Agriculture Food Sciences Facilities at the District of Columbia Land Grant University</u></b></p> <p><b>Sec. 7217 of H.R. 2419, Sec. 7020 of the Senate Amendment</b></p>	<p>No comparable provision.</p>	<p><b>Sec. 7217</b> Authorizes \$750,000 each fiscal year through 2012 to support efforts to acquire, alter or repair facilities and equipment at UDC necessary for agricultural research.</p>	<p><b>Sec. 7020</b> Same as House provision with differences in legal language.</p>	
<p><b>T7-33</b></p>	<p><b><u>Grants to Upgrade Agricultural and Food Sciences Facilities at 1890 Land Grant Colleges, Including Tuskegee University</u></b></p> <p><b>Sec. 7218 of H.R. 2419, Sec. 7019 of the Senate Amendment</b></p>	<p><b>Sec. 1447(b) of NARETPA:</b> Authorizes \$25,000,000 in appropriations to 1890's and Tuskegee to acquire and improve facilities and equipment used for ag research.</p>	<p><b>Sec. 7218</b> Extends authorization to 2012.</p>	<p><b>Sec. 7019</b> Identical to House provision.</p>	
<p><b>T7-34</b></p>	<p><b><u>National Research and training Virtual Centers</u></b></p> <p><b>Sec. 7219 of H.R. 2419, Sec. 7021 of the Senate Amendment</b></p>	<p><b>Sec. 1448 of NARETPA:</b> Authorizes appropriations of \$2,000,000 for each of the fiscal years through 2012, to make a competitive grant to five national research and training virtual centers located at 1890 land-grant institutions.</p>	<p><b>Sec. 7219</b> Extends authorization to 2012.</p>	<p><b>Sec. 7021</b> Identical to House provision.</p>	
<p><b>T7-35</b></p>	<p><b><u>Matching Funds Requirement for</u></b></p>	<p><b>Sec. 1449(c) of NARETPA:</b> Establishes a formula for States to provide matching</p>	<p><b>Sec. 7220</b> Extends authorization to 1012.</p>	<p><b>Sec. 7022</b> Identical to House provision.</p>	

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	<u>Research and Extension Activities of 1890 Institutions</u>  <b>Sec. 7220 of H.R. 2419, Sec. 7022 of the Senate Amendment</b>	funds to be provided to 1890 land-grant institutions for agricultural research, extension, and education activities, through fiscal year 2012.			
T7-36	<u>Hispanic Serving Institutions</u>  <b>Sec. 7221 of H.R. 2419, Sec. 7023 of the Senate Amendment</b>	<p><b>Sec 1455(a) of NAREPTA:</b> Establishes competitive grants for HSIs to promote and strengthen the ability of HSIs to carry out education, applied research, and related community development programs.</p> <p><b>Sec 1455(b) of NAREPTA:</b> Establishes criteria for the use of grants made under this section</p> <p><b>Sec. 1455(c) of NAREPTA:</b> Authorizes appropriations of \$20,000,000 for each of the fiscal year to make competitive grants to Hispanic-serving institutions to promote and strengthen the institutions' abilities to carry out education, applied research, and related community development programs.</p>	<p><b>Sec. 7221</b></p> <p>No comparable provision.</p> <p>No comparable provision.</p> <p>No comparable provision.</p> <p>Extends authorization to 2012.</p>	<p><b>Sec. 7023</b></p> <p>Removes ability to receive a grant without a competitive application process under this section.</p> <p>Allows single institutions to receive grants under this section.</p> <p>Increases annual appropriations from \$20,000,000 to \$40,000,000.</p> <p>Extends authorization to 2012.</p>	
T7-37	<u>Hispanic Serving Agricultural Colleges and</u>	No comparable provision.	<p><b>Sec. 7222</b></p> <p>Establishes an endowment fund, institutional capacity building grant</p>	<p><b>Sec. 7024</b></p> <p>Same as House provision with differences in legal language.</p>	

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	<p><b><u>Universities</u></b></p> <p><b>Sec. 7222 of H.R. 2419, Sec. 7024 of the Senate Amendment</b></p>		<p>program, and a competitive grant program to benefit Hispanic Serving Agricultural Colleges and Universities.</p> <p>HSACUs are defined as institutions that qualify as Hispanic serving institutions under the Higher Education Act and offer an associate, bachelor or other accredited degree in agricultural fields of study.</p> <p>Necessary funds are authorized to be appropriated for the endowment fund, extension, and institutional capacity building and competitive grants through 2012. A formula for distribution of appropriations is authorized for endowment and maintenance of HSACUs in the same manner as is prescribed under the Second Morrill Act.</p>		
T7-38	<p><b><u>International Agricultural Research, Extension and Education</u></b></p> <p><b>Sec. 7223 of H.R. 2419, Sec. 7025 of the Senate Amendment</b></p>	<p><b>Sec. 1458(a) of NARETPA:</b> Authorizes the Secretary to expand programs to work with other international institutions on ag research, extension and teaching,</p>	<p><b>Sec. 7223</b> The Secretary may give priority to institutions with existing memoranda of understanding or other formal agreements to U.S. institutions or State and Federal agencies expanding USDA coordination on agricultural research, extension and teaching activities with other countries.</p> <p>Includes HSACUs as organizations the Secretary may enter into agreements with to help develop a sustainable global agriculture system.</p> <p>Adds HSACUs to the list of universities eligible for support to do collaborative research with other countries on U.S.</p>	<p><b>Sec. 7025</b> Same as House provision.</p> <p>Same as House provision.</p> <p>No comparable provision.</p>	

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			<p>agricultural competitiveness.</p> <p>Adds HSACUs to the list of colleges and universities where Federal scientists are involved with research conducted internationally.</p> <p>Establishes a program to provide fellowships to U.S. or foreign students to study at foreign agricultural colleges.</p>	<p>No comparable provision.</p> <p>Same as House provision.</p>	
T7-39	<p><b><u>Competitive Grants for International Agricultural Science and Education Programs</u></b></p> <p><b>Sec. 7224 of H.R. 2419, Sec. 7026 of the Senate Amendment</b></p>	<p><b>Sec. 1459A(c) NARETPA:</b> Authorizes funds to be appropriated as necessary to make competitive grants directed to agricultural research, extension, and teaching activities to colleges and universities to strengthen U.S. economic competitiveness and promote international market development.</p>	<p><b>Sec. 7224</b> Extends authorization to 2012.</p>	<p><b>Sec. 7026</b> Identical to House provision.</p>	
T7-40	<p><b><u>Limitation on Indirect Costs for Agricultural Research, Education and Extension Programs</u></b></p> <p><b>Sec. 7225 of H.R. 2419, Sec. 7027 of the Senate Amendment</b></p>	<p><b>Sec. 1462(a) NARETPA:</b> Indirect costs charged against competitive grant awards shall not exceed 19 per cent.</p>	<p><b>Sec. 7225</b> The limitation of no more than 19 percent of federal funds for indirect charges now applies to any grant administered under the Research, Education and Economics mission area, excluding those administered under the Small Business Act.</p>	<p><b>Sec. 7027</b> Raises the allowance of indirect costs a recipient institution can receive from a grant awarded by the Department to 30 percent from the current rate of 19 percent.</p>	
T7-41	<p><b><u>Research Equipment Grants</u></b></p> <p><b>Sec. 7226 of H.R.</b></p>	<p><b>Sec. 1462A(e) of NARETPA:</b> Authorizes funds to be appropriated as necessary to make competitive grants for the acquisition of special purpose scientific</p>	<p><b>Sec. 7226</b> Extends authorization to 2012.</p>	<p><b>Sec. 7028</b> Identical to House provision.</p>	

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	<b>2419, Sec. 7028 of the Senate Amendment</b>	research equipment for use in the food and agricultural science programs of eligible institutions.			
<b>T7-42</b>	<b><u>University Research</u></b>  <b>Sec. 7227 of H.R. 2419, Sec. 7029 of the Senate Amendment</b>	<b>Sec. 1463 of NARETPA:</b> Authorizes funds to be appropriated as necessary for certain existing and new agriculture research programs.	<b>Sec. 7227</b> Extends authorization to 2012.	<b>Sec. 7029</b> Identical to House provision.	
<b>T7-43</b>	<b><u>Extension Service</u></b>  <b>Sec. 7228 of H.R. 2419, Sec. 7030 of the Senate Amendment</b>	<b>Sec. 1464 of NARETPA:</b> Authorizes funds to be appropriated as necessary to carry out the extension programs of the Department of Agriculture.	<b>Sec. 7228</b> Extends authorization to 2012.	<b>Sec. 7030</b> Identical to House provision.	
<b>T7-44</b>	<b><u>Supplemental and Alternative Crops</u></b>  <b>Sec. 7229 of H.R. 2419, Sec. 7032 of the Senate Amendment</b>	<b>Sec. 1473D(a) of NARETPA:</b> Requires the Secretary to develop and implement a research project for the development of supplemental and alternative crops.	<b>Sec. 7229</b> Extends authorization to 2012.	<b>Sec. 7032</b> Identical to House provision.	
<b>T7-45</b>	<b><u>Aquaculture Assistance Programs</u></b>  <b>Sec. 7230 of H.R. 2419, Sec. 7033 of the Senate Amendment</b>	<b>Sec. 1477 of NARETPA:</b> Authorizes appropriations, not to exceed \$7,500,000 for each fiscal year for aquaculture research and extension programs.  <b>Sec. 1475(f) of NARETPA:</b> Establishes a fish disease program to prevent, manage and control fish diseases.	<b>Sec. 7230</b> Extends authorization to 2012.  No comparable provision.	<b>Sec. 7033</b> Same as House provision.  Prioritizes the study and management of viral hemorrhagic septicemia (VHS) under this subsection.	
<b>T7-46</b>	<b><u>Rangeland Research</u></b>  <b>Sec. 7231 of H.R.</b>	<b>Sec. 1483(a) of NARETPA:</b> Authorizes funds to be appropriated not to exceed \$10,000,000 for each of the fiscal year to make grants to land-grant colleges	<b>Sec. 7231</b> Extends authorization to 2012.	<b>Sec. 7034</b> Same as House provision.	

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	<b>2419, Sec. 7034 of the Senate Amendment</b>	and universities, State agricultural experiment stations, and other institutions to conduct rangeland research.  <b>Sec. 1480(a) of NARETPA:</b> Authorizes the Secretary to award grants on rangeland research and to the Joe Skeen Institute for Rangeland Restoration.	No comparable provision.	Authorizes pilot programs to address natural resources management issues and facilitate the collection of information and analysis to provide information for improved management of public and private rangeland.	
T7-47	<b><u>Special Authorization for Biosecurity Planning and response</u></b>  <b>Sec. 7232 of H.R. 2419, Sec. 7035 of the Senate Amendment</b>	<b>Sec. 1484(a) of NARETPA:</b> Authorizes funds to be appropriated as necessary for biosecurity planning and response.	<b>Sec. 7232</b> Extends authorization to 2012.	<b>Sec. 7035</b> Identical to House provision.	
T7-48	<b><u>Resident Instruction and distance Education Grants Program for Insular Area Institutions of Higher Education</u></b>  <b>Sec. 7233 of H.R. 2419, Sec. 7036 of the Senate Amendment</b>	<b>Sec. 1490(f) of NARETPA:</b> Authorizes funds to be appropriated for the Secretary to make competitive or non-competitive grants to eligible institution in insular areas to strengthen the capacity of such institutions to carry out distance food and agricultural education programs using digital network technologies.  <b>Sec. 1491 of NARETPA:</b> Authorizes funds to be appropriated for competitive grants to insular area institutions to strengthen educational capacities in the food and agricultural sciences.	<b>Sec. 7233</b> Extends authorizations to 2012.	<b>Sec. 7036</b> Identical to House provision.	
T7-	<b><u>Hispanic Serving</u></b>	<b>Sec. 1404 NARETPA:</b>	<b>Sec. 7234</b>	<b>Sec. 7001</b>	

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49	<p><b><u>Institutions</u></b></p> <p><b>Sec. 7234 of H.R. 2419, Sec. 7001 of the Senate Amendment</b></p>	<p>Gives the term “Hispanic Serving Institution” the same definition as section 316(b)(1) of the Higher Education Act of 1965 (20 U.S.C. 1059(b)(1)).</p> <p><b>Sec. 502(a) of the Higher Education Act of 1965 (20 U.S.C. 1101a(a)):</b> Defines “Hispanic-Serving Institution” as an institution of higher education that—</p> <p>(A) is an eligible institution;</p> <p>(B) at the time of application, has an enrollment of undergraduate full-time equivalent students that is at least 25 percent Hispanic students; and</p> <p>(C) provides assurances that not less than 50 percent of the institution’s Hispanic students are low-income individuals, which assurances—</p> <p>(i) may employ statistical extrapolation using appropriate data from the Bureau of the Census or other appropriate Federal or State sources; and</p> <p>(ii) the Secretary shall consider as meeting the requirements of this subparagraph, unless the Secretary determines, based on a preponderance of the evidence, that the assurances do not meet the requirements.</p>	<p>Gives the term “Hispanic-Serving Institution” the same definition as section 502(a) of the Higher Education Act of 1965 (20 U.S.C. 1101a(a)).</p>	<p>Identical to House provision.</p>	
T7-50	<p><b><u>Specialty Crop Policy Research Institute</u></b></p> <p><b>Sec. 7235 of H.R. 2419</b></p>	<p><b>Sec. 1419A of NARETPA:</b> Establishes FAPRI.</p>	<p><b>Sec. 7235</b></p> <p>Establishes a Specialty Crop Policy Research Institute within FAPRI. The objectives are to produce and disseminate analyses of the specialty crop sector and an annual review on the state of the specialty crop industry. Necessary sums are authorized to be appropriated.</p>	<p>No comparable provision.</p>	
T7-	<p><b><u>Emphasis of</u></b></p>	<p><b>Sec. 1424(b) NARETPA:</b></p>	<p><b>Sec. 7236</b></p>	<p>No comparable provision.</p>	

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51	<u><b>Human Nutrition Initiative</b></u>  <b>Sec. 7236 of H.R. 2419</b>	Establishes grant program for multi-year research on human nutrition.	Adds a new emphasis to the Human Nutrition Intervention and Health Promotion Research Program to examine the efficacy of agricultural programs in promoting the health of disadvantaged populations.		
T7-52	<u><b>Grants to Upgrade Agriculture and Food Sciences Facilities at Insular Area Land-Grant Institutions</b></u>  <b>Sec. 7237 of H.R. 2419</b>	No comparable provision.	<b>Sec. 7237</b> Congress intends to provide assistance to insular land-grants institutions to acquire, alter or repair facilities of equipment for agricultural research. \$8,000,000 is appropriated for each fiscal year 2008-2012.	No comparable provision.	
T7-53	<u><b>Veterinary Medicine Loan Repayment</b></u>  <b>Sec. 7003 of the Senate Amendment</b>	<b>Sec. 1415A of NARETPA</b> (National Veterinary Medical Services Act – NVMSA): Establishes a loan repayment program for veterinarians who work in areas of veterinarian shortage.	No comparable provision.	<b>Sec. 7003</b> Sets a deadline for rulemaking to implement the National Veterinary Medical Services Act.  Modifies NVMSA to prioritize large and mixed animal practitioner shortages in rural communities, and prohibits funds to be used the existing Federal employee loan repayment program under 5 U.S.C. 5379.	
T7-54	<u><b>Expansion of Food and Agricultural Sciences Award</b></u>  <b>Sec. 7006 of the Senate Amendment</b>	<b>Sec. 1417(i) of NARETPA:</b> Establishes the National Agricultural Teaching Award given annually to reward excellence in agricultural education.	No comparable provision.	<b>Sec. 7006</b> Expands the current National Agricultural Teaching Award to include research and extension.	
T7-	<u><b>Purposes and</b></u>	<b>Sec. 1429 of NARETPA (7 U.S.C.</b>	No comparable provision.	<b>Sec. 7013</b>	

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55	<u>Findings Relating to Animal Health and Disease Research</u>  Sec. 7013 of the Senate Amendment	<b>3191):</b> Lists the purposes and findings for the animal health and disease research programs in NARETPA.		Adds a purpose to this section of NARETPA to support research on the judicious use of antibiotics.	
T7-56	<u>Animal Health and Disease Research Program</u>  Sec. 7016 of the Senate Amendment	<b>Sec. 1434(b) of NARETPA:</b> Authorizes a program for animal health and disease research at land-grant colleges and universities.	No comparable provision.	<b>Sec. 7015</b> Clarifies that 1890 institutions are eligible for animal health and disease research grants under this section.	
T7-57	<u>Farm Management Training and Public Farm Benchmarking Database</u>  Sec. 7037 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7037</b> Establish a National Farm Management Center to improve farm management knowledge and skills of agriculture producers through an education program and creation of a database that allows producers to compare farm management data with other producers.  Authorizes annual appropriations for the center and database through 2012.	
T7-58	<u>Tropical and Subtropical Agricultural Research</u>  Sec. 7038 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7038</b> Establishes a competitive program for research on tropical and subtropical agriculture.  Authorizes annual appropriations for the tropical and subtropical agricultural research grant program.	
T7-59	<u>Regional Centers of Excellence</u>	No comparable provision.	No comparable provision.	<b>Sec. 7039</b> Establishes regional centers of excellence, including a Poultry Sustainability Center	

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	<b>Sec. 7039 of the Senate Amendment</b>			of Excellence, funded by Federal, state, and industry funds to research a specific commodity.  Authorizes annual appropriations for the Centers.	
<b>T7-60</b>	<b><u>National Drought Mitigation Center</u></b>  <b>Sec. 7040 of the Senate Amendment</b>	No comparable provision.	No comparable provision.	<b>Sec. 7040</b> Authorizes the Secretary to enter into an agreement with the National Drought Mitigation Center.  Authorizes annual appropriations for the Center.	
<b>T7-61</b>	<b><u>Agricultural Development in the American-Pacific Region</u></b>  <b>Sec. 7041 of the Senate Amendment</b>	No comparable provision.	No comparable provision.	<b>Sec, 7041</b> Establishes consortia of institutions in the American-Pacific region to carry out integrated research, extension, and instruction programs in support of food and agricultural sciences.  Authorizes annual appropriations for the consortia.	
<b>T7-62</b>	<b><u>Farm and Ranch Stress Assistance Network</u></b>  <b>Sec. 7044 of the Senate Amendment</b>	No comparable provision.	No comparable provision.	<b>Sec. 7044</b> Establishes a farm and ranch stress assistance network to provide behavioral programs to participants in the U.S. agricultural sector.  Authorizes annual appropriations for the network.	
<b>T7-63</b>	<b><u>Rural Entrepreneurship and Enterprise</u></b>	No comparable provision.	No comparable provision.	<b>Sec. 7045</b> Establishes a program for the promotion of rural entrepreneurship, rural business	

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	<p align="center"><b><u>Facilitation</u></b></p> <p align="center"><b>Sec. 7045 of the Senate Amendment</b></p>			<p>development, and collaboration among rural entrepreneurs, local business communities, non profit organizations, and K-12 and higher education institutions. The program also provides rural entrepreneurs with technical assistance and access to capital, and it determines the best methods of entrepreneurial training.</p> <p>Authorizes annual appropriations for the program.</p>	
T7-64	<p align="center"><b><u>Seed Distribution</u></b></p> <p align="center"><b>Sec. 7046 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7046</b> Establishes a program to distribute vegetable seeds to underserved communities free-of-charge.</p> <p>Authorizes annual appropriations for the program.</p>	
T7-65	<p align="center"><b><u>Farm and Ranch Safety</u></b></p> <p align="center"><b>Sec. 7047 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7047</b> Establishes a grant program to determine how to decrease the incidence of injury and death on farms and ranches.</p> <p>Authorizes annual appropriations for the program.</p>	
T7-66	<p align="center"><b><u>Women and Minorities in STEM fields</u></b></p> <p align="center"><b>Sec. 7048 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7048</b> Establishes a grant program to increase participation by women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields (STEM fields).</p> <p>Authorizes annual appropriations for the</p>	

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				program.	
T7-67	<u>Natural Products Research Program</u>  Sec. 7049 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7049</b> Establishes a research program relating for the discovery, development and commercialization of pharmaceuticals and agrichemicals from natural products, including those from plants, marine and microbial sources.  Authorizes annual appropriations for the program.	
T7-68	<u>International Anti-hunger and Nutrition Program</u>  Sec. 7050 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7050</b> Authorizes the Secretary to support nonprofit organizations that focus on promoting research concerning anti-hunger and improved nutrition efforts internationally, and increased quantity, quality, and availability of food.	
T7-69	<u>Consortium for Agricultural and Rural Transportation Research and Education</u>  Sec. 7051 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7051</b> Establishes a research program focusing on critical rural and agricultural transportation and logistics issues facing agricultural producers and other rural businesses.  Authorizes annual appropriations in the amount of \$19,000,000 for each fiscal year through 2012.	
T7-70	<u>Regional Centers of Excellence in Food Systems Veterinary Medicine</u>	No comparable provision.	No comparable provision.	<b>Sec. 7052</b> Establishes a grant program for veterinary schools to support centers of emphasis in food systems veterinary medicine.	

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	<b>Sec. 7052 of the Senate Amendment</b>			Authorizes appropriations through 2012 for this program.	
<b>T7-71</b>			<b>Subtitle C – Food Agriculture, Conservation and Trade Act of 1990</b>		
<b>T7-72</b>	<b><u>National Genetics Resources Program</u></b>  <b>Sec. 7301 of H.R. 2419, Sec. 7101 of the Senate Amendment</b>	<b>Sec. 1632 of FACTA:</b> Establishes a National Genetic Resources Program for the collection, preservation, and dissemination of genetic material of importance to American Food and agriculture production.  <b>Sec. 1635(b) of FACTA:</b> Authorizes funds to be appropriated as necessary for the national genetics resources program.	<b>Sec. 7301</b> Extends authorization to 2012.  No comparable provision.	<b>Sec. 7101</b> Same as House provision.  Adds research on plant and animal breeding to the purposes and functions of this program.	
<b>T7-73</b>	<b><u>National Agricultural Weather Information System</u></b>  <b>Sec. 7302 of H.R. 2419</b>	<b>Sec. 1641(c) of FACTA:</b> Authorizes \$5,000,000 in appropriations for 1991-1997 for advisory programs for State agricultural weather information systems.	<b>Sec. 7302</b> Reauthorized for 2008-2012.	No comparable provision.	
<b>T7-74</b>	<b><u>Partnerships</u></b>  <b>Sec. 7303 of H.R. 2419</b>	<b>Sec. 1672(d) of FACTA:</b> Grant proposals received under the High Priority Research and Extension Initiatives <b>may</b> be scientifically meritorious and involve the cooperation of multiple entities in order to receive priority consideration.	<b>Sec. 7303</b> Grant proposals received under the High Priority Research and Extension Initiatives <b>must</b> be scientifically meritorious and involve the cooperation of multiple entities in order to receive priority consideration.	No comparable provision.	
<b>T7-75</b>	<b><u>Aflatoxin Research and Extension</u></b>  <b>Sec. 7304 of H.R. 2419</b>	<b>Sec. 1672(e)(3) of FACTA:</b> Grants may be made to identify and control aflatoxin in the food and feed chain.	<b>Sec. 7304</b> Changes the existing grant description to improve and commercialize aflatoxin control in corn and other crops.	No comparable provision.	

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T7-76	<p><b><u>High Priority Research and Extension Areas</u></b></p> <p><b>Sec. 7305 of H.R. 2419, Sec. 7102 of the Senate Amendment</b></p>	<p><b>Sec. 1672 of FACTA:</b> Establishes a number of high priority research and extension areas for which competitive grants may be awarded.</p> <p>Authorizes appropriations for this grant program through 2007.</p>	<p><b>Sec. 7305</b></p> <p>The following are added to the High Priority Research and Extension Area Initiatives: farmed and wild cervid disease and genetic research; air emissions from livestock operations; swine genome project; cattle fever tick program; colony collapse disorder program; synthetic gypsum from power plants research; cranberry research program; sorghum research initiative; and bean health research program.</p>	<p><b>Sec. 7102</b></p> <p>Same as House provision, but adds the following to the list of high-priority research and extension initiatives: Colony Collapse Disorder and Pollinator Research Program; Marine Shrimp Farming Program; Cranberry Research Program; Turfgrass Research Initiative; Pesticide Safety Research Initiative; Swine Genome Project; High Plains Aquifer Region; Cellulosic Feedstock Transportation and Delivery Initiative; Deer Initiative; Pasture-Based Beef Systems; Sustainable Agricultural Production for the Environment; Biomass-derived Energy Resources; Brucellosis Control and Eradication; Bighorn and Domestic Sheep Disease Mechanisms.</p>	
T7-77	<p><b><u>High Priority Research and Extension Initiative</u></b></p> <p><b>Sec. 7306 of H.R. 2419, Sec. 7102 of the Senate Amendment</b></p>	<p><b>Sec. 1672(h) of FACTA:</b></p> <p>Authorizes funds to be appropriated as necessary for competitive grants for specified high-priority research and extension initiatives.</p>	<p><b>Sec. 7306</b></p> <p>Authorization extended to 2012.</p>	<p><b>Sec. 7102</b></p> <p>Same as House provision but authorizes \$20,000,000 of the annual appropriations for the Colony Collapse Disorder and Pollinator Research Program.</p>	
T7-78	<p><b><u>Nutrient Management Research and Extension Initiative</u></b></p> <p><b>Sec. 7307 of H.R. 2419, Sec. 7103, 9023, and 11092 of the Senate Amendment</b></p>	<p><b>Sec. 1672A of FACTA:</b></p> <p>Authorizes competitive grants to support research and extension activities concerning nutrient management.</p> <p>Necessary funds authorized to be</p>	<p><b>Sec. 7307</b></p> <p>Adds grant proposals that address unique regional concerns as eligible for priority treatment</p> <p>Adds dairy cattle waste as types of waste to be studied to develop new methods of managing air and water quality.</p>	<p><b>Sec. 9023: Northeast Dairy Nutrient Management and Energy Development Program</b></p> <p>Establishes a consortium of land grant colleges in the northeast region to perform research on dairy nutrient management and energy production.</p> <p><b>Sec. 11092: Southwest Regional Dairy, Environment, and private Land</b></p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
		appropriated through 2007.	Authorizes funds to be appropriated as necessary for each of the fiscal years through 2012, for competitive grants for the nutrient management research and extension initiative.	<p><b>Program</b> Establishes a Southwest regional dairy, environment, and private land program for the research, development, and implementation of solutions for issues faced by the dairy industry.</p> <p><b>Sec. 7103</b> Same as House provision authorizing funds through fiscal year 2012 with differences in legal language.</p>	
T7-79	<p><b><u>Agricultural Telecommunications Program</u></b></p> <p><b>Sec. 7308 of H.R. 2419, Sec. 7105 of the Senate Amendment</b></p>	<p><b>Sec. 173(h) of FACTA:</b> Authorizes funds to be appropriated not to exceed \$12,000,000 for each fiscal year to encourage the development and utilization of an agricultural communications network to strengthen agricultural extension, resident education and research, and marketing of agricultural commodities.</p>	<p><b>Sec. 7308</b> Extends authorization to 2012.</p>	<p><b>Sec. 7105</b> Identical to House provision.</p>	
T7-80	<p><b><u>Assistive Technology Program for Farmers with Disabilities</u></b></p> <p><b>Sec. 7309 of H.R. 2419, Sec. 7106 of the Senate Amendment</b></p>	<p><b>Sec. 1680(c)(1) of FACTA:</b> Authorizes appropriations of \$6,000,000 for each fiscal year to make demonstration grants to support cooperative programs between State Cooperative Extension Service agencies and private nonprofit disability organizations to provide on-the-farm agricultural education and assistance for individuals with disabilities who are engaged in farming.</p>	<p><b>Sec. 7309</b> Extends authorization to 2012.</p>	<p><b>Sec. 7106</b> Identical to House provision.</p>	
T7-81	<p><b><u>Organic Research</u></b></p>	<p><b>Sec. 1672B of FACTA:</b> Provides competitive grants to support</p>	<p><b>Sec. 7310</b> Extends the Organic Research and</p>	<p><b>Sec. 7104</b> No comparable provision.</p>	

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	<p><b>Sec. 7310 of H.R. 2419, Sec. 7104 of the Senate Amendment</b></p>	<p>research and extension activities regarding organically grown and processed commodities.</p> <p>Authorized \$3,000,000 per year in available funds from the Treasury through 2007.</p> <p>No comparable provision.</p>	<p>Extension Initiative to examine optimal conservation and environmental outcomes for organically produced agricultural products, and to develop new and improved seed varieties that are particularly suited for organic agriculture.</p> <p>Authorizes \$25,000,000 in mandatory funds for FYs 2008 through 2012. Authorizes appropriations of \$25,000,000 for each of fiscal years 2009 through 2012 for the Organic Research and Extension Initiative.</p> <p>The Director of the National Agricultural Research Program Office shall coordinate this program to avoid duplication.</p>	<p>Authorizes \$16,000,000 per year through 2012 in mandatory funds for the Organic Research and Extension Initiative.</p> <p>No comparable provision.</p>	
T7-82	<p><b><u>National Rural Information Center Clearinghouse</u></b></p> <p><b>Sec. 7311 of H.R. 2419, Sec. 7107 of the Senate Amendment</b></p>	<p><b>Sec. 2381(e) of FACTA:</b> Authorizes appropriations of \$500,000 for each of the fiscal year for the National Rural Information Center Clearinghouse to provide and distribute information and data to any industry, organization, or Federal, State, or local government entity about programs and services provided in rural areas.</p>	<p><b>Sec. 7311</b> Extends authorization to 2012.</p>	<p><b>Sec. 7107</b> Identical to House provision.</p>	
T7-83	<p><b><u>New Era Rural Technology Program</u></b></p> <p><b>Sec. 7312 of H.R. 2419, Sec. 7043 of the Senate Amendment</b></p>	<p>No comparable provision.</p>	<p><b>Sec. 7312</b> Establishes a grant program for community colleges to develop an agriculture-based renewable energy, and timber industry workforce.</p> <p>Authorizes annual appropriations for the program.</p>	<p><b>Sec. 7043</b> Same as House provision, except provides definition of rural community college.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
T7-84			<b>Subtitle D – Agricultural Research, Extension, and Education Reform Act of 1998</b>		
T7-85	<p><b><u>Partnerships for High-Value Agricultural Product Quality Research</u></b></p> <p><b>Sec. 7401 of H.R. 2419, Sec. 7202 of the Senate Amendment</b></p>	<p><b>Sec. 402(g) of AREERA:</b>          Authorizes funds to be appropriated as necessary for each fiscal year, to make competitive grants to eligible partnerships to coordinate and manage research and extension activities to enhance the quality of high-value agricultural products.</p>	<p><b>Sec. 7401</b>          Extends authorization to 2012.</p>	<p><b>Sec. 7202</b>          Identical to House provision.</p>	
T7-86	<p><b><u>Precision Agriculture</u></b></p> <p><b>Sec. 7402 of H.R. 2419, Sec. 7203 of the Senate Amendment</b></p>	<p><b>Sec. 403(i)(1) of AREERA:</b>          Authorizes funds to be appropriated as necessary for each fiscal year to make competitive grants to conduct research, education, or information dissemination projects for the development and advancement of precision agriculture.</p>	<p><b>Sec. 7402</b>          Extends authorization to 2012.</p>	<p><b>Sec. 7203</b>          Identical to House provision.</p>	
T7-87	<p><b><u>Biobased Products</u></b></p> <p><b>Sec. 7403 of H.R. 2419, Sec. 7204 of the Senate Amendment</b></p>	<p><b>Sec. 404 of AREERA:</b>          Authorizes funds to be appropriated as necessary for each fiscal year to develop, commercialize, and promote the use of biobased products.</p>	<p><b>Sec. 7403</b>          Extends authorization to 2012.</p>	<p><b>Sec. 7204</b>          Identical to House provision.</p>	
T7-88	<p><b><u>Thomas Jefferson Initiative for Crop Diversification</u></b></p> <p><b>Sec. 7404 of H.R. 2419, Sec. 7205 of the Senate Amendment</b></p>	<p><b>Sec. 405(h) of AREERA:</b>          Authorizes funds to be appropriated as necessary for each fiscal year to fund the Thomas Jefferson Initiative for Crop Diversification, which supports research and development on the production, marketing and efficient use of new and nontraditional crops needed to strengthen</p>	<p><b>Sec. 7404</b>          Extends authorization to 2012.</p>	<p><b>Sec. 7205</b>          Identical to House provision.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
		and diversify the agricultural production base of the U.S.			
T7-89	<p align="center"><b><u>Integrated Research, Education and Extension Competitive Grants Program</u></b></p> <p align="center">Sec. 7405 of H.R. 2419, Sec. 7206 of the Senate Amendment</p>	<p><b>Sec. 406(f) of AREERA:</b> Authorizes funds to be appropriated as necessary for each fiscal year for an integrated research, education, and extension competitive grant program.</p>	<p><b>Sec. 7405</b> Extends authorization to 2012.</p>	<p><b>Sec. 7206</b> Identical to House provision.</p>	
T7-90	<p align="center"><b><u>Fusarium Graminearum Grants</u></b></p> <p align="center">Sec. 7406 of H.R. 2419, Sec. 7207 of the Senate Amendment</p>	<p><b>Sec. 408 of AREERA:</b> Authorizes funds to be appropriated as necessary for each fiscal year to make grants to consortia of land-grant colleges and universities to enhance the ability of the consortia to conduct multi-State research projects aimed at understanding and combating diseases of wheat, triticale, and barley caused by Fusarium graminearum and related fungi.</p>	<p><b>Sec. 7406</b> Extends authorization to 2012.</p>	<p><b>Sec. 7207</b> Identical to House provision.</p>	
T7-91	<p align="center"><b><u>Bovine Johne's Disease Control Program</u></b></p> <p align="center">Sec. 7407 of H.R. 2419, Sec. 7208 of the Senate Amendment</p>	<p><b>Sec. 409(b) of AREERA:</b> Authorizes funds to be appropriated as necessary for each fiscal year to conduct research, testing and evaluation for the control and management of Johne's disease in livestock.</p>	<p><b>Sec. 7407</b> Extends authorization to 2012.</p>	<p><b>Sec. 7208</b> Identical to House provision.</p>	
T7-92	<p align="center"><b><u>Grants for Youth Organizations</u></b></p> <p align="center">Sec. 7408 of H.R.</p>	<p><b>Sec. 410 of AREERA:</b> Authorizes funds to be appropriated as necessary for each fiscal year to make grants to specified youth organizations to</p>	<p><b>Sec. 7408</b> Provides additional flexibility in content delivery and management of grant funds to recipient organizations.</p>	<p><b>Sec. 7209</b> No comparable provision.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
	<b>2419, Sec. 7209 of the Senate Amendment</b>	establish pilot projects to expand the programs carried out by the organizations in rural areas.	Extends authorization to 2012.	Same as House provision.	
<b>T7-93</b>	<b><u>Agricultural Research and Development for Developing Countries</u></b>  <b>Sec. 7409 of H.R. 2419, Sec. 7210 of the Senate Amendment</b>	<b>Sec. 411(c) of AREERA:</b> Authorizes funds to be appropriated as necessary for each fiscal year to make competitive grants to institutions or nonprofit organizations to develop agricultural biotechnology for developing countries.	<b>Sec. 7409</b> Extends authorization to 20012.	<b>Sec. 7210</b> Identical to House provision.	
<b>T7-94</b>	<b><u>Agricultural Bioenergy and Biobased Products Research Initiative</u></b>  <b>Sec. 7410 of H.R. 2419</b>	No comparable provision.	<b>Sec. 7410</b> Amends the Agricultural Research, Extension, and Education Reform Act of 1998 to establish a bioenergy and biobased products research initiative to enhance the production, sustainability and conversion of biomass to renewable fuels and related products.  The research initiative will be supported by a bioenergy and biobased product laboratory network that will focus research on improving biomass production and sustainability, and improving biomass conversion in biorefineries.  The Director of the Program Office established under Sec. 7104 will coordinate projects and activities under the Biomass Research and Development Act of 2000 to coordinate and maximize the strengths of the Department of	No comparable provision.	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
			<p>Agriculture and Department of Energy.</p> <p>The Secretary may carry out research and award grants on a competitive basis.</p> <p>\$50,000,000 is authorized to be appropriated for each of fiscal years 2008 through 2012 to carry out this section.</p> <p>The Director of the National Agricultural Research Program Office shall coordinate this program to avoid duplication of projects carried out under the Biomass Research and Development Act.</p>		
T7-95	<p><b><u>Specialty Crop Research Initiative</u></b></p> <p><b>Sec. 7411 of H.R. 2419, Sec. 7211 of the Senate Amendment</b></p>	No comparable provision.	<p><b>Sec. 7411</b></p> <p>Establishes the Specialty Crop Research Initiative to develop and disseminate science-based tools to address the needs of specific crops and their regions, including work in plant breeding and genetics, safety, quality, and yield; efforts to identify and address threats posed by invasive species; marketing; pollination and efforts to improve production.</p> <p>The Secretary may carry out research and award grants on a competitive basis.</p> <p>\$100,000,000 is authorized to be appropriated for each of fiscal years 2008 through 2012. Provides another \$215,000,000 in mandatory funds for FY's 2008 through 2012 in addition to authorization of appropriations.</p> <p>The Director of the National Agricultural</p>	<p><b>Sec. 7211</b></p> <p>Same as House provision with differences in legal language.</p> <p>Authorizes \$16,000,000 in mandatory funds per year for the specialty crop research initiative.</p> <p>No comparable provision.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
			Research Program Office shall coordinate this program to avoid duplication.		
T7-96	<p align="center"><b><u>Office of Pest Management Policy</u></b></p> <p align="center"><b>Sec. 7412 of H.R. 2419, Sec. 7212 of the Senate Amendment</b></p>	<p><b>Sec. 614(f) of AREERA:</b>            Authorizes funds to be appropriated as necessary for each fiscal year for the Office of Pest Management Policy to provide for the effective coordination of agricultural policies related to pesticides and pest management tools.</p>	<p><b>Sec. 7412</b>            Extends authorization to 2012.</p>	<p><b>Sec. 7212</b>            Same as House provision with differences in legal language including placing the Office of Pest Management Policy within the Office of the Chief Economist.</p>	
T7-97	<p align="center"><b><u>Food Animal Residue Avoidance Database Program</u></b></p> <p align="center"><b>Sec. 7213 of the Senate Amendment</b></p>	<p><b>Sec. 604 of AREERA:</b> Authorizes the operation of the Food Animal Residue Avoidance Database program through contracts, grants, or cooperative agreements with appropriate colleges or universities.</p>	<p>No comparable provision.</p>	<p>Authorizes annual appropriations of \$2,500,000 for the Food Animal Residue Avoidance Database program.</p>	
T7-98			<b>Subtitle E – Other Laws</b>		
T7-99	<p align="center"><b><u>Critical Agricultural Materials Act</u></b></p> <p align="center"><b>Sec. 7501 of H.R. 2419, Sec. 7301 of the Senate Amendment</b></p>	<p><b>Sec. 16(a) of the critical Agricultural Materials Act (7 USC 178n(a)):</b>            Authorizes funds to be appropriated as necessary for each fiscal year to carry out the Critical Agricultural Materials Act.</p>	<p><b>Sec. 7501</b>            Authorization extended to 2012.</p>	<p><b>Sec. 7301</b>            Identical to House provision.</p>	
T7-100	<p align="center"><b><u>Equity in Educational Land-Grant Status Act of 1994</u></b></p> <p align="center"><b>Sec. 7502 of H.R. 2419, Sec. 7302 of the Senate</b></p>	<p><b>Sec. 533(b) of the Equity in Educational Land-Grant Status Act of 1994 (7 USC 301 note):</b>            Authorizes funds to be appropriated as necessary for each fiscal year for specified institutions to be considered land grant colleges.</p>	<p><b>Sec. 7502</b>            Extends authorizations to 2012.</p>	<p><b>Sec. 7302</b>            Same as House provision, and adds Iisagvik College in Alaska to the list of land-grant tribal colleges known as 1994 colleges.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
	<b>Amendment</b>	<p>Authorizes funds to be appropriated as necessary for each fiscal year for the Secretary to provide grants to an institution named in the Equity in Educational Land-Grant Status Act of 1994.</p> <p><b>Sec. 535 of EELGSA:</b> Authorizes grants for constructing, acquiring, and remodeling buildings, laboratories, and other capital facilities at the 1994 colleges</p> <p><b>Sec. 536 of EELGSA:</b> Authorizes grants to the 1994 land-grant colleges to conduct agricultural research that addresses high priority concerns of tribal, national, or multi-state significance.</p>			
T7-101	<p><b><u>Agricultural Experiment Station Research Facilities Act</u></b></p> <p><b>Sec. 7503 of H.R. 2419, Sec. 7305 of the Senate Amendment</b></p>	<p><b>Sec. 6(a) of the Research facilities Act:</b> Authorizes funds to be appropriated as necessary for each fiscal year for the study, plan, design, structure, and related costs of agricultural research facilities under the Research Facilities Act.</p>	<p><b>Sec. 7503</b> Extends authorization to 2012.</p>	<p><b>Sec. 7305</b> Identical to House provision.</p>	
T7-102	<p><b><u>National Agricultural Research, Extension and Teaching Policy Act Amendments of 1985</u></b></p> <p><b>Sec. 7504 of H.R. 2419, Sec. 7306 of</b></p>	<p><b>Sec. 1431 of NARETPA:</b> Authorizes funds to be appropriated as necessary for each fiscal year for the cost of planning, construction, and other public improvements for Federal agricultural research facilities.</p>	<p><b>Sec. 7504</b> Extends authorization to 2012.</p>	<p><b>Sec. 7306</b> Identical to House provision.</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
	<b>the Senate Amendment</b>				
<b>T7-103</b>	<b><u>Competitive, Special and Facilities Research Grant Act (National Research Initiative)</u></b>  <b>Sec. 7505 of H.R. 2419, Sec. 7307 of the Senate Amendment</b>	<b>Sec. 2 of the Competitive, Special and Facilities Research Grant Act:</b> Authorizes appropriations of \$500,000,000 for each fiscal year to provide competitive research grants for high priority research.	<b>Sec. 7505</b> Extends authorization to 2012.  Repeals authority to limit allowable overhead costs.	<b>Sec. 7307</b> Extends authorization of appropriations through 2012.  No comparable provision.	
<b>T7-104</b>	<b><u>Agricultural Risk Protection Act of 2000 (Carbon Cycle Research)</u></b>  <b>Sec. 7506 of H.R. 2419, Sec. 7315 of the Senate Amendment</b>	<b>Sec. 221(g) of the Agricultural Risk Protection Act of 2000 (ARPA):</b> Authorizes funds to be appropriated as necessary for each fiscal year to provide a grant to the Consortium for Agricultural Soils Mitigation of Greenhouse Gasses.	<b>Sec. 7506</b> Extends authorization to 2012.	<b>Sec. 7315</b> Same as House provision, and transfers authority for Carbon Cycle Research from ARPA to NARETPA.	
<b>T7-105</b>	<b><u>Renewable Resources Extension Act of 1978</u></b>  <b>Sec. 7507 of H.R. 2419, Sec. 8201 of the Senate Amendment</b>	<b>Sec. 6 and 8 of the Renewable Resources Extension Act of 1978:</b> Authorizes appropriations of \$30,000,000 for each of the fiscal year for funding to eligible States with forests yielding renewable resources.	<b>Sec. 7507</b> Extends authorization to 2012.	<b>Sec. 8201</b> Identical to House provision.	
<b>T7-106</b>	<b><u>National Aquaculture Act of 1980</u></b>  <b>Sec. 7508 of H.R. 2419, Sec. 7311 of</b>	<b>Sec. 10 of the National Aquaculture Act of 1980:</b> Authorizes appropriations of \$1,000,000 for the Department of Agriculture, Department of Commerce, and the Department of Interior, respectively, for	<b>Sec. 7508</b> Extends authorization to 2012.	<b>Sec. 7311</b> Identical to House provision.	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
	<b>the Senate Amendment</b>	funding for the National Aquaculture Act of 1980.			
<b>T7-107</b>	<b><u>Construction of a Chinese Garden at the National Arboretum</u></b>  <b>Sec. 7509 of H.R. 2419, Sec. 7312 of the Senate Amendment</b>	No comparable provision.	<b>Sec. 7509</b> Authorizes the construction of a Chinese garden at the National Arboretum.	<b>Sec. 7312</b> Same as House provision but prohibits federal funds from being used for the construction of the Chinese Garden and requires an annual report to Congress on the budget and expenditures of the National Arboretum.	
<b>T7-108</b>	<b><u>Public Education Regarding Use of Biotechnology in Producing Food for Human Consumption</u></b>  <b>Sec. 7510 of H.R. 2419</b>	<b>Sec. 10802(b) of the Farm Security and Rural Investment Act of 2002:</b> Authorizes a program to communicate with the public regarding scientific based information on the safety of biotech foods for human consumption.	<b>Sec. 7510</b> Extends authorization to 2012.	No comparable provision.	
<b>T7-109</b>	<b><u>Fresh Cut Produce Safety Grants</u></b>  <b>Sec. 7511 of H.R. 2419, Sec. 7211 of Senate Amendment</b>	No comparable provision.	<b>Sec. 7511</b> Authorizes the Secretary to award competitive research and extension grants to improve and enhance the safety of fresh cut produce.  Universities, colleges and other entities that have relationships with producers of fresh cut produce are eligible.  The recipient must provide an equal of amount of matching funds or in kind support from non-federal sources.  The Director of the National Agricultural Research Program Office shall coordinate	<b>Sec. 7211</b> Authorizes \$16,000,000 in mandatory funds per year for a specialty crop research initiative at the Department of Agriculture through the Agricultural Research Service and extramural competitive grants.  Priorities for the initiative include research on: plant breeding, genetics, and genomics; invasive species; mechanization; pollination; and food safety.	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
			<p>this program to avoid duplication.</p> <p>Provides \$25,000,000 in mandatory spending for FY's 2008 through 2012, in addition to current authorization for appropriations of necessary funds through 2012.</p>		
T7-110	<p><b><u>UDC/EFNEP Eligibility</u></b></p> <p><b>Sec. 7512 of H.R. 2419, Sec. 7313 of the Senate Amendment</b></p>	<p><b>Sec. 208 of the District of Columbia Public Post-secondary Education Reorganization Act:</b> DC is not eligible to receive sums appropriated under the Act of May 8, 1949.</p>	<p><b>Sec. 7512</b> Amends the DC Public Postsecondary Education Reorganization Act to make UDC eligible for The Expanded Food and Nutrition Education Program.</p>	<p><b>Sec. 7313</b> Same as House provision with differences in legal language.</p>	
T7-111	<p><b><u>Hatch Act of 1887</u></b></p> <p><b>Sec. 7513 of H.R. 2419, Sec. 7304 of the Senate Amendment</b></p>	<p><b>Sec. 3(d)(4) of the Hatch Act of 1887:</b> Provides an exception for insular areas from meeting the matching requirements under the Hatch Act.</p> <p><b>Sec. 6 of the Hatch Act of 1887:</b> Requires that publications necessary for dissemination of results from agricultural experiment stations and the cooperative extension service be transmitted through the mail.</p>	<p><b>Sec. 7513</b> Allows the Secretary to waive UDC from matching requirements under the Hatch Act.</p> <p>No comparable provision.</p>	<p><b>Sec. 7304</b> Same as House provision with differences in legal language.</p> <p>Eliminates Penalty Mail Authorities for agricultural experiment stations and the cooperative extension service.</p>	
T7-112	<p><b><u>Smith-Lever Act</u></b></p> <p><b>Sec. 7303 of the Senate Amendment</b></p>	<p><b>Sec. 3 of the Act of May 8, 1914 (Smith-Lever Act):</b> Authorizes appropriations for the cooperative extension service.</p>	<p>No comparable provision.</p>	<p><b>Sec. 7303</b> Allows 1890 institutions to participate in the Children, Youth, and Families Education and Research Network Program.</p> <p>Eliminates the Governor's Report</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
		<b>Sec. 5 of the Act of May 8, 1914</b> (Smith-Lever Act): Requires a report from land-grant institutions to the Governor of the State on receipts and expenditures related to extension work.		requirement for the extension service.	
T7-113	<b><u>Education Grants to Alaska Native Serving Institutions and Native Hawaiian Serving Institutions</u></b>  Sec. 7308 of the Senate Amendment	<b>Sec. 759 of the Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2000:</b> Establishes grants for agricultural education at Alaska Native and Native Hawaiian Serving Institutions.	No comparable provision.	Permits consortia of Alaska Native and Native Hawaiian Serving Institutions to designate fiscal agents and allocate funds for their members.	
T7-114	<b><u>McIntire-Stennis Cooperative Forestry Act</u></b>  Sec. 7310 of the Senate Amendment	<b>Sec. 2 of the McIntire-Stennis Cooperative Forestry Act:</b> Establishes a fund allocated by formula to land-grant institutions for forestry research.	No comparable provision.	<b>Sec. 7310</b> Authorizes 1890 institutions to participate in the McIntire-Stennis cooperative forestry program.	
T7-115	<b><u>Exchange/sale authority</u></b>  Sec. 7314 of the Senate Amendment	No comparable provision.	No comparable provision.	<b>Sec. 7314</b> Authorizes USDA to exchange, sell, or otherwise dispose of any qualified items of personal property and to retain and apply the sale or other proceeds to acquire any qualified items of personal property or to offset costs related to the maintenance, care, or feeding of any qualified items of personal property.	
T7-116	<b><u>Enhanced Use Lease Authority Pilot Program</u></b>	No comparable provision.	No comparable provision.	<b>Sec. 7316</b> Authorizes the Secretary to establish a pilot program at the Beltsville	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
	<b>Sec. 7316 of the Senate Amendment</b>			Agricultural Research Center of ARS and the National Agricultural Library to lease property of the Center or the Library.	
<b>T7-117</b>	<b><u>Research and Education Grants for the Study of Antibiotic-Resistant Bacteria in Livestock</u></b>  <b>Sec. 7317 of the Senate Amendment</b>	No comparable provision.	No comparable provision.	<b>Sec. 7317</b> Establishes a competitive grant program for research and education on antibiotic-resistant bacteria in livestock.	
<b>T7-118</b>			<b>Subtitle F – Additional Provisions</b>		
<b>T7-119</b>	<b><u>Merit Review of Extension and Educational Grants</u></b>  <b>Sec. 7601 of H.R. 2419</b>	<b>Sec. 103 of AREERA:</b> Establishes merit review procedures for ag research, extension and education.	<b>Sec. 7601</b> Consistent with the establishment of competitive grant programs under NIFA, inserts NIFA as the administering body for which merit review procedures must be established.	No comparable provision.	
<b>T7-120</b>	<b><u>Review of Plan of Work Requirements</u></b>  <b>Sec. 7602 of H.R. 2419, Sec. 7503 of the Senate Amendment</b>	No comparable provision.	<b>Sec. 7602</b> The Secretary shall submit a report to Congress identifying measures to streamline work plan requirements under the '77 Act, the Hatch Act and the Smith-Lever Act.	<b>Sec. 7503</b> Requires a review of the Plan of Work requirements under the National Agricultural Research, Extension, and Teaching Policy Act of 1977, the Hatch Act, and the Smith-Lever Act.	
<b>T7-121</b>	<b><u>Multistate and Integration Funding</u></b>  <b>Sec. 7603 of H.R. 2419</b>	<b>Sec 3 of the Hatch Act of 1887 and Sec. 3 of the Smith-Lever Act:</b> Of the federal formula funds States receive under the Hatch and Smith-Lever Acts, States shall expend an amount that is the lesser of 25 percent or twice the percentage for the State determined by the	<b>Sec. 7603</b> Of the federal formula funds States receive under the Hatch Act, 25 percent must be spent on the integration of cooperative research and extension activities.	No comparable provision.	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
		Secretary for integrated activities.			
T7-122	<u>Expanded Food and Nutrition Program</u>  <b>Sec. 7604 of H.R. 2419, Sec. 7012 of the Senate Amendment</b>	<b>Sec. 1425(c)(2)(B) of the NARETPA:</b> Describes allocation of Nutrition Education Program funds to States.  10 percentum shall be distributed equally among all states.  Authorized appropriations of \$83,000,000.	<b>Sec. 7604</b> Changes the allocation of funds in excess of the amount appropriated in FY 1981.  \$100,000 shall be distributed to each land-grant college and university.  Increases authorization of appropriations to \$90,000,000 through 2014.	<b>Sec. 7012</b> Same as House provision with differences in legal language.	
T7-123	<u>Grants to 1890 Schools to Expand Extension Capacity</u>  <b>Sec. 7605 of H.R. 2419, Sec. 7005 of the Senate Amendment</b>	<b>Sec. 1417(b)(4) of NARETPA:</b> Provides grants for food and ag sciences education to build teaching and research capacity at colleges and universities with a significant minority enrollment, among other purposes.	<b>Sec. 7605</b> Adds “extensions” to grants for designing agricultural programs at colleges and universities with significant minority enrollment.	<b>Sec. 7005</b> Identical to House provision.	
T7-124	<u>Borlaug International Agricultural Science and Technology Fellowship Program</u>  <b>Sec. 7606 of H.R. 2419, Sec. 7042 of the Senate Amendment</b>	No comparable provision.	<b>Sec. 7606</b> Creates a fellowship program to provide scientific training to individuals from eligible countries that specialize in agricultural education, research and extension.  Necessary sums are authorized to be appropriated without fiscal year limitation.	<b>Sec. 7042</b> Same as House provision with differences in legal language.	
T7-125	<u>Cost Recovery</u>  <b>Sec. 7607 of H.R. 2419, Sec. 7031 of the Senate Amendment</b>	<b>Sec. 1473A of NARETPA:</b> The Secretary may enter into cost-reimbursable agreements with State cooperative institutions or other colleges and universities for the acquisition of goods or services. Reimbursable indirect	<b>Sec. 7607</b> Raises the indirect cost cap from 10 percent to 19 percent for cost reimbursable agreements between the Secretary and State cooperative institutions or colleges and universities.	<b>Sec. 7031</b> Changes the indirect cost cap under this section from 10 percent to 30 percent.	

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		costs may not exceed 10 per cent of the direct costs.			
T7-126	<p><b><u>Organic Food and Agricultural Systems Funding</u></b></p> <p><b>Sec. 7608 of H.R. 2419, Sec. 7505 of the Senate Amendment</b></p>	No comparable provision.	<p><b>Sec. 7608</b> Sense of Congress that a portion of ARS's annual funding should support research specific to organic food and agricultural systems.</p>	<p><b>Sec. 7505</b> Same as House provision with differences in legal language.</p>	
T7-127	<p><b><u>Demonstration Project Authority for Temporary Positions</u></b></p> <p><b>Sec. 7502 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7502</b> This section authorizes the DEMO hiring process for temporary recruitment on an indefinite basis. The Demonstration Project Authority for Temporary Positions (DEMO) was established within the Agricultural Research Service and the Forest Service in 1990, and it is the primary hiring mechanism for both agencies, but it did not include temporary hiring.</p>	
T7-128	<p><b><u>Modifications to Information Technology Service</u></b></p> <p><b>Sec. 7506 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7506</b> Prohibits the Secretary from implementing any modification that reduces the availability or provision of information technology service, or administrative management control of that service, including data or center service agency, functions, and personnel at the National Finance Center and the National Information Technology Center service locations until a notification is received by Congress from USDA.</p> <p>Requires a report to Congress and GAO from USDA on specified administrative</p>	

Item		CURRENT LAW	HOUSE BILL (H.R. 2419)	SENATE AMENDMENT	CONF. AGREEMENT
				modifications made to the National Finance Center and National Technology Center service locations.	
T7-129	<p><b><u>Studies and Reports by the Department of Agriculture, the Department of Health and Human Services, and the National Academy of Sciences on Food Products from Cloned Animals</u></b></p> <p><b>Sec. 7507 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7507</b> Requires studies on the safety and trade impact of allowing food products from cloned animals and their offspring into the food supply.</p> <p>The Secretary of Health and Human Services is prohibited from issuing the final draft risk assessment on food from cloned animals and their offspring and from lifting the voluntary moratorium on allowing food from cloned animals and their offspring from entering the food supply until after the studies are completed</p>	
T7-130	<p><b><u>Animal Bioscience Facility in Bozeman, Montana</u></b></p> <p><b>Sec. 7508 of the Senate Amendment</b></p>	No comparable provision.	No comparable provision.	<p><b>Sec. 7508</b> Authorizes appropriations in the amount of \$16,000,000 for the construction of an animal bioscience facility in Bozeman, Montana.</p>	