
CONFERENCE COMMITTEE PRINT

Title VII – Research

**Comparing H.R. 2419, As Passed by the House
And the Senate Amendment Thereto**

HOUSE BILL (H.R. 2419)

SENATE AMENDMENT

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Subtitle A—General Provisions

SEC. 7101. DEFINITIONS.

For purposes of this title:

(1) **CAPACITY PROGRAM.**—The term “capacity program” means the capacity program in subparagraph (M) and each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this Act:

(A) Each program providing funding to any of the 1994 institutions under sections 533, 534(a), and 535 of the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103–382; 7 U.S.C. 301 note) (commonly known as financial assistance, technical assistance, and endowments to tribal colleges and the Navajo Community College).

(B) The program established under section 536 of the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103–382; 7 U.S.C. 301 note) providing research grants for 1994 institutions.

(C) Each program established under subsections (b), (c), and (d) of section 3 of the Smith-Lever Act (7 U.S.C. 343).

(D) Each program established under the Hatch Act of 1887 (7 U.S.C. 361a et seq.).

(E) Each program established under section 1417(b)(4) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(4)), including grant programs under that section (commonly known as the 1890 Institution Teaching and Research Capacity Building Grants Program).

(F) The animal health and disease research program established under subtitle E of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3191 et seq.).

(G) The program established under section 1445 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222) (commonly known as the Evans-Allen Program).

(H) The program providing grants to upgrade agricultural and food sciences facilities at 1890 Institutions established under section 1447 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222b).

SEC. 7401. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

(for complete section, see SEC. 7401 of the Senate Amendment, SEC. 7105 of H.R. 2419)

(a) In General- Subtitle F of the Department of Agriculture Reorganization Act of 1994 is amended by adding after section 252 (7 U.S.C. 6972) the following:

SEC. 253. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

(a) Definitions- In this section:

(1) **ADVISORY BOARD-** The term ‘Advisory Board’ means the National Agricultural Research, Extension, Education, and Economics Advisory Board established under section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123).

(2) **COMPETITIVE PROGRAM-** The term ‘competitive program’ means each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this section:

(A) The competitive grant program established under section 2(b) of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i(b)), commonly known as the ‘National Research Initiative Competitive Grants Program’.

(B) The program providing competitive grants for risk management education established under section 524(a)(3) of the Federal Crop Insurance Act (7 U.S.C. 1524(a)(3)).

(C) The program providing community food project competitive grants established under section 25 of the Food Stamp Act of 1977 (7 U.S.C. 2034).

(D) Each grant program established under section 2501 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 2279) providing outreach and assistance for socially disadvantaged farmers and ranchers.

(E) The program providing grants under section 1417(b)(1) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7

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(I) The program providing distance education grants for insular areas established under section 1490 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362).

(J) The program providing resident instruction grants for insular areas established under section 1491 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363).

(K) Each research and development and related program established under Public Law 87–788 (commonly known as the McIntire-Stennis Cooperative Forestry Act; 16 U.S.C. 582a et seq.).

(L) Each program established under the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 et seq.).

(M) The capacity building grant program for ASCARR Institutions established under this Act.

(N) Such other programs or parts of programs as determined appropriate by the Secretary.

(O) The program providing competitive extension grants to eligible 1994 institutions under section 3(b)(3) of the Smith-Lever Act (7 U.S.C. 343(b)(3)).

(2) **COMPETITIVE PROGRAMS.**—The term “competitive programs” means the competitive program in subparagraph (N) and each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this Act:

(A) Competitive grant programs authorized or otherwise administered by the Department of Agriculture under the terms of section 2(b) of the Competitive, Special and Facilities Research Grant (7 U.S.C. 450i).

(B) Institution Challenge Grants, administered under 1417(j) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977, as amended (7 U.S.C. 3152(j)).

(C) Grants and related authorities authorized or otherwise administered by the Secretary of Agriculture under section 1417(b)(5) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977, as amended (7 U.S.C. 3152(b)(5)) (commonly known as the Higher Education Multicultural Scholars Program).

(D) Programs authorized or otherwise administered under section 1455 of the

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U.S.C. 3152(b)(1)), commonly known as ‘Higher Education Challenge Grants’.

‘(F) The program providing grants and related assistance established under section 1417(b)(5) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(5)) commonly known as the ‘Higher Education Multicultural Scholars Program’.

‘(G) The program providing food and agricultural sciences national needs graduate and postgraduate fellowship grants established under section 1417(b)(6) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(6)).

‘(H) The program providing grants under section 1417(j) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(j)), commonly known as ‘Institution Challenge Grants’.

‘(I) The program providing grants for Hispanic-serving institutions established under section 1455 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241).

‘(J) The program providing competitive grants for international agricultural science and education programs under section 1459A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3292b).

‘(K) The program of agricultural development in the American-Pacific region established under section 1473H of the National Agricultural Research, Extension, and Teaching Policy Act of 1977.

‘(L) The research and extension projects carried out under section 1621 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5811), commonly known as the ‘Sustainable Agriculture Research and Education program’.

‘(M) The biotechnology risk assessment research program established under section 1668 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5921).

‘(N) The organic agriculture research and extension initiative established

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National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241(e)) (commonly known as educational grant programs for Hispanic-serving institutions).

(E) Integrated research, education, or extension programs authorized under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).

(F) Sustainable Agriculture Research and Education (7 U.S.C. 5811).

(G) Organic Research and Extension Initiative (7 U.S.C. 5925b).

(H) Higher Education Challenge Grants (7 U.S.C. 3152(b)(1)).

(I) Food and Agriculture Sciences National Needs Graduate and Postgraduate Fellowship Grants (7 U.S.C. 3152(b)(6)).

(J) International Science and Education Competitive Grants (7 U.S.C. 3292b).

(K) Community Food Projects Competitive Grants (7 U.S.C. 2034).

(L) Risk Management Education (7 U.S.C. 1524).

(M) High Priority Research and Extension Areas (7 U.S.C. 5925).

(N) Such other programs or parts of programs as determined appropriate by the Secretary.

(3) **CAPACITY PROGRAM CRITICAL BASE FUNDING.**—The term “capacity program critical base funding” means the aggregate amount of Federal funds made available for all or individual capacity programs for fiscal year 2007, as appropriate.

(4) **COMPETITIVE PROGRAM CRITICAL BASE FUNDING.**—The term “competitive program critical base funding” means the aggregate amount of Federal funds made available for all or individual competitive programs for fiscal year 2007, as appropriate.

(5) **ASCARR INSTITUTION.**—

(A) **IN GENERAL.**—The term “ASCARR Institution” means a public college or university offering a baccalaureate or higher degree in the study of agriculture.

(B) **EXCLUSIONS.**—The term “ASCARR Institution” does not include Hispanic-serving agricultural colleges and universities or any institution designated under—

(i) the Act of July 2, 1862 (commonly known as the “First Morrill

under section 1672B of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925b).

`(O) The Initiative for Future Agriculture and Food Systems established under section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621).

`(P) The integrated research, education, and extension competitive grants program established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).

`(Q) The Small Business Innovation Research Program established under section 9 of the Small Business Act (15 U.S.C. 638).

`(R) The specialty crop research initiative under section 412 of the Agricultural Research, Extension, and Education Reform Act of 1998.

`(S) The administration and management of the regional bioenergy crop research program carried out under section 9012 of the Farm Security and Rural Investment Act of 2002.

`(T) The research, extension, and education programs authorized by section 407 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7627) relating to the viability and competitiveness of small- and medium-sized dairy, livestock, crop, and other commodity operations.

`(U) Other programs, including any programs added by amendments made by title VII of the Food and Energy Security Act of 2007 that are competitive programs, as determined by the Secretary.

`(3) **DIRECTOR-** The term `Director' means the Director of the Institute.

`(4) **INFRASTRUCTURE PROGRAM-** The term `infrastructure program' means each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this section:

`(A) Each program providing funding to any of the 1994 Institutions under sections 533, 534(a), and 535 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) (commonly known as `financial assistance, technical assistance, and endowments to

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Act”; 7 U.S.C. 301 et seq.);

(ii) the Act of August 30, 1890 (commonly known as the “Second Morrill Act”; 7 U.S.C. 321 et seq.); or

(iii) the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103–382; 7 U.S.C. 301 note).

(6) **SECRETARY.**—The term “Secretary” means the Secretary of Agriculture.

(7) **DIRECTORS.**—The term “Directors” refers to those directors appointed under section 7104.

(8) **UNDER SECRETARY.**—The term “Under Secretary” means the Under Secretary of Agriculture for Research, Education, and Economics.

(9) **HISPANIC-SERVING AGRICULTURAL COLLEGE AND UNIVERSITY.**—The term “Hispanic-serving agricultural college and university” means a college or university that—

(A) qualifies as an “Hispanic-serving institution”; and

(B) offers associate, bachelor’s, or other accredited degree programs in agricultural related fields, as determined by the Secretary.

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tribal colleges and Navajo Community College’).

`(B) The program established under section 536 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) providing research grants for 1994 institutions.

`(C) Each program established under subsections (b), (c), and (d) of section 3 of the Smith-Lever Act (7 U.S.C. 343).

`(D) Each program established under the Hatch Act of 1887 (7 U.S.C. 361a et seq.).

`(E) Each program established under section 1417(b)(4) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(4)), including grant programs under that section (commonly known as the `1890 Institution Teaching and Research Capacity Building Grants Program’).

`(F) The animal health and disease research program established under subtitle E of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3191 et seq.).

`(G) Each extension program available to 1890 Institutions established under sections 1444 and 1464 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221, 3312).

`(H) The program established under section 1445 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222) (commonly known as the `Evans-Allen Program’).

`(I) The program providing grants to upgrade agricultural and food sciences facilities at 1890 Institutions established under section 1447 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222b).

`(J) The program providing distance education grants for insular areas established under section 1490 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362).

`(K) The program providing resident instruction grants for insular areas established under section 1491 of the National Agricultural Research,

- Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363).
- `(L) Each program available to 1890 Institutions established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).
- `(M) The program providing competitive extension grants to eligible 1994 Institutions under section 1464 of National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3312) and the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103-382; 7 U.S.C. 301 note) established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).
- `(N) Each research and development and related program established under Public Law 87-788 (commonly known as the `McIntire-Stennis Cooperative Forestry Act') (16 U.S.C. 582a et seq.).
- `(O) Each program established under the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 et seq.).
- `(P) Each program providing funding to Hispanic-serving agricultural colleges under section 1456 of the National Agricultural Research, Extension and Teaching Policy Act of 1977.
- `(Q) The administration and management of the farm energy education and technical assistance program carried out under section 9005 of the Farm Security and Rural Investment Act of 2002.
- `(R) Other programs, including any programs added by amendments made by title VII of the Food and Energy Security Act of 2007 that are infrastructure programs, as determined by the Secretary.

`(5) INSTITUTE- The term `Institute' means the National Institute of Food and Agriculture established by subsection (b)(1)(A).

SEC. 7001. DEFINITIONS.

Section 1404 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3103) is amended—

(1) in paragraph (4)—

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(A) by redesignating subparagraphs (A) through (E) as clauses (i) through (v), respectively;

(B) by striking `(4) The terms' and inserting the following:

`(4) COLLEGE AND UNIVERSITY-

`(A) IN GENERAL- The terms'; and

(C) by adding at the end the following:

`(B) INCLUSIONS- The terms `college' and `university' include a research foundation maintained by a college or university described in subparagraph (A).';

(2) by redesignating paragraphs (6) through (8), (9) through (14), (15), and (16) as paragraphs (7) through (9), (11) through (16), (19), and (6), respectively, and moving the paragraphs so as to appear in alphabetical order;

(3) by inserting after paragraph (9) (as redesignated by paragraph (2)) the following:

`(10) HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES- The term `Hispanic-serving agricultural colleges and universities' means a college or university that—

`(A) qualifies as a Hispanic-serving institution; and

`(B) offers associate, bachelor's, or other accredited degree programs in agriculture-related fields.'; and

(4) by striking paragraph (11) (as so redesignated) and inserting the following:

`(11) HISPANIC-SERVING INSTITUTION- The term `Hispanic-serving institution' has the meaning given the term in section 502(a) of the Higher Education Act of 1965 (20 U.S.C. 1101a(a)).'.

SEC. 7102. BUDGET SUBMISSION AND FUNDING.

(a) **BUDGET REQUEST.**—The President shall submit to Congress, together with the

No comparable provision.

annual budget submission of the President, a single budget line item reflecting the total amount requested by the President for funding for capacity programs, and a single budget line item reflecting the total amount requested by the President for funding for competitive programs for that fiscal year and for the previous 5 fiscal years.

(b) CAPACITY PROGRAM REQUEST.—

(1) **CRITICAL BASE FUNDING.**—Up to the amount of the capacity program critical base funding level, any funds requested for capacity programs in the budget submission single line item shall be apportioned among the capacity programs based on priorities established by the Under Secretary in conjunction with the Directors.

(2) **ADDITIONAL FUNDING.**—Of the funds requested for capacity programs in excess of the capacity program critical base funding level, budgetary emphasis should be placed on enhancing funding for the 1890, 1994, ASCARR Institutions, Hispanic-serving agricultural colleges, and small 1862 institutions.

(c) COMPETITIVE PROGRAM REQUEST.—

(1) **CRITICAL BASE FUNDING.**—Up to the amount of the competitive program critical base funding level, any funds requested for competitive programs in the budget submission single line item shall be apportioned among the competitive programs based on priorities established by the Under Secretary in conjunction with the Directors.

(2) **ADDITIONAL FUNDING.**—Of the funds requested for competitive programs in excess of the competitive program critical base funding level, budgetary emphasis shall be placed on enhancing funding for emerging problems and their solutions.

(d) FUNDING.—

(1) **CRITICAL BASE FUNDING.**—Up to the total aggregate amount of the capacity program critical base funding level and the competitive program critical base funding level, funds appropriated or otherwise made available shall be apportioned among each of the capacity programs and the competitive programs based on priorities established by the Under Secretary in conjunction with the Directors.

(2) **ADDITIONAL FUNDING.**—

(A) **CAPACITY FUNDING.**—Of the funds appropriated or otherwise

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<p>made available for capacity programs in excess of the capacity program critical base funding level, funding emphasis should be placed on enhancing funding for the 1890, 1994, ASCARR Institutions, Hispanic-serving agricultural colleges, and small 1862 institutions.</p> <p>(B) COMPETITIVE FUNDING.—Of the funds appropriated or otherwise made available for competitive programs in excess of the competitive program critical base funding level, budgetary emphasis shall be placed on enhancing funding for emerging problems and solutions.</p> <p>(e) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated such sums as necessary to carry out this section.</p> <p>(f) COMPETITIVE PROGRAMS.—For the purposes of this section, the term “competitive programs” includes only those programs for which annual appropriations are requested in the President’s budget.</p>	
<p>SEC. 7103. ADDITIONAL PURPOSES OF AGRICULTURAL RESEARCH AND EXTENSION.</p> <p>Section 1403 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3102) is amended—</p> <ul style="list-style-type: none">(1) in paragraph (6), by striking “and” at the end;(2) in paragraph (7), by striking the period and inserting a semicolon; and(3) by adding after paragraph (7) the following:<ul style="list-style-type: none">“(8) to integrate and organize the administration of the agricultural research, extension, education, and related programs administered by the Secretary of Agriculture to respond to 21st century challenges and continue to meet the needs of society from a local, tribal, State, national, and international perspective;“(9) to minimize duplication, and maximize coordination and integration, among all of the programs at all levels through a solution-based approach; and“(10) to position the agricultural research, extension, education, and related programs system to increase the contribution of the system to society through the expansion of the portfolio of the system.”.	<p>No comparable provision.</p>
<p>SEC. 7104. NATIONAL AGRICULTURAL RESEARCH PROGRAM OFFICE.</p>	<p>SEC. 7402. COORDINATION OF AGRICULTURAL RESEARCH SERVICE AND</p>

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(a) **ESTABLISHMENT.**—The Under Secretary shall organize within the office of the Under Secretary 6 research Program Offices to be known collectively as the National Agricultural Research Program Office, which shall coordinate the programs and activities of the research agencies within the mission area in an integrated, multidisciplinary, interdisciplinary, interagency, and interinstitutional manner, to the maximum extent practicable. The Program Offices within the National Agricultural Research Program Office are as follows:

- (1) Renewable energy, natural resources, and environment.
- (2) Food safety, nutrition, and health.
- (3) Plant health and production.
- (4) Animal health and production and animal products.
- (5) Agriculture systems and technology.
- (6) Agriculture economics and rural communities.

(b) **QUALIFICATIONS OF DIRECTORS.**—

(1) **APPOINTMENT AND CLASSIFICATION.**—The Under Secretary shall appoint a Director for each Program Office as a senior level position in the competitive service.

(2) **QUALIFICATIONS.**—To be eligible for appointment as a Director, an individual shall have—

(A) conducted outstanding research, education, or extension in the field of agriculture or forestry;

(B) earned a doctoral level degree at an institution of higher education (as defined in section 101 of Public Law 89–329 (20 U.S.C. 1001)); and

(C) met qualification standards prescribed by the Director of the Office of Personnel Management for appointment to a senior level position of the competitive service.

(c) **DUTIES OF DIRECTORS.**—Except as otherwise provided in this Act, each Director as appointed by the Secretary shall—

(1) formulate programs in consultation with the National Agricultural Research, Extension, Education, and Economics Advisory Board (7 U.S.C. 3123)

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

Title III of the Department of Agriculture Reorganization Act of 1994 is amended by adding after section 308 (as added by section 7314) the following:

SEC. 309. COORDINATION OF AGRICULTURAL RESEARCH SERVICE AND NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

(a) In General- The Undersecretary for Research, Education, and Economics shall coordinate the programs under the authority of the Administrator of the Agricultural Research Service and the Director of the National Institute of Food and Agriculture, and the staff of the Administrator and the Director, including national program leaders, shall meet on a regular basis to—

(1) increase coordination and integration of research programs at the Agricultural Research Service and the research, extension, and education programs of the National Institute of Food and Agriculture;

(2) coordinate responses to emerging issues;

(3) minimize duplication of work and resources at the staff level of each agency;

(4) use the extension and education program to deliver knowledge to stakeholders;

(5) address critical needs facing agriculture; and

(6) focus the research, extension, and education funding strategy of the Department.

(b) Reports- Not later than 270 days after the date of enactment of this section, and annually thereafter, the Secretary shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a report describing efforts to increase coordination between the Agricultural Research Service and the National Institute for Food and Agriculture.

(c) Roadmap-

(1) IN GENERAL- Not later than 180 days after the date of enactment of this section, the Secretary, acting through the Under Secretary for Research,

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(hereinafter referred to as the “Board”);

(2) assess strategic workforce needs of research, education, extension, and other fields;

(3) cooperate with the Board to plan programs that assist in meeting the future personnel needs of disciplines and programs;

(4) develop strategic planning for department-wide research, education, extension, and related activities;

(5) establish department-wide priorities for research, education, extension, and related programs;

(6) communicate with research, education, and extension beneficiaries to identify their needs; and

(7) perform such other duties deemed necessary by the Secretary.

(d) **ADMINISTRATION.**—The Under Secretary, in conjunction with the Directors and in consultation with the Board, shall direct and coordinate research, education, and extension programs within the relevant agencies of the Department of Agriculture to focus those programs, and the participants, grantees, and other beneficiaries of those programs, on—

(1) understanding important problem areas and opportunities relating to a program;

(2) discovering and implementing solutions to address those problem areas;

(3) exploring other opportunities provided under the programs; and

(4) national, regional and local priorities.

(e) **PROGRAM INTEGRATION AND COORDINATION.**—

(1) **IN GENERAL.**—In accordance with applicable law (including regulations), the Under Secretary, in coordination with the Director of each Program Office and taking into consideration the advice of the Board, shall ensure, to the maximum extent practicable, that the research, education, and extension programs are administered, funded, and carried out—

(A) in an integrated, multidisciplinary, interdisciplinary, interagency, and interinstitutional manner that ensures—

(i) the most efficient collaborative use of resources; and

Education, and Economics shall—

(A) prepare a roadmap for agricultural research, extension, and education that—

(i) identifies major opportunities and gaps in agricultural research, extension, and education that no single entity in the Department would be able to carry out individually, but that is necessary to carry out agricultural research;

(ii) involves—

(I) stakeholders from across the Federal Government;

(II) stakeholders from across the full array of nongovernmental entities; and

(III) the National Agricultural Research, Extension, Education, and Economics Advisory Board established under section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123);

(iii) incorporates roadmaps for agricultural research made publicly available by other Federal entities, agencies, or offices; and

(iv) describes recommended funding levels for areas of agricultural research, extension, and education, including—

(I) competitive programs; and

(II) infrastructure programs, with attention to the future growth needs of small 1862 Institutions, 1890 Institutions, and 1994 Institutions (as those terms are defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601)), Hispanic-serving agricultural colleges (as defined in section 1456(a) of the National Agricultural Research, Extension and Teaching Policy Act of 1977), and any other public college or university that is not such an institution or college but that offers a baccalaureate or higher degree in the study of agriculture;

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(ii) the focus of all resources and activities on strategic, priority, problem, opportunity, and solution areas identified by the Under Secretary and the Directors, taking into consideration the advice of the Board; and

(B) among applicable participants, grantees, and beneficiaries, in a coordinated manner that encourages and ensures—

(i) the most efficient collaborative application of resources; and

(ii) the focus of all resources and activities on strategic, priority, problem, opportunity, and solution areas on a local, State, tribal, regional, national, and international basis, as the Under Secretary and each Director, taking into consideration the advice of the Board, determine to be appropriate.

(2) **SCOPE.**—Each Director, in consultation with the Under Secretary and the Board, shall ensure, through the integration and coordination under paragraph (1), that opportunities are maximized with respect to—

(A) the use of appropriate authorities, agencies, institutions, disciplines, and activities; and

(B) the inclusion of appropriate participants and other beneficiaries in those activities, including intramural, extramural, Government, university, extension, and international, as determined by the Under Secretary.

(f) **FUNDING.**—The Under Secretary shall fund each Program Office through the appropriations available to the various agencies within the mission area. The aggregate staff for all Program Offices shall not exceed 30 full-time equivalent positions and shall be filled by current full-time equivalent positions.

(g) **ORGANIZATION.**—The Under Secretary shall integrate leadership functions of the national program staff of the research agencies into the National Agricultural Research Program Office in such form as required to ensure that the Directors of the Program Offices are the primary program leaders for the mission areas of the integrated agencies and that administrative duplication does not occur.

(h) **PRIORITIZING FEDERAL RESEARCH ACTIVITIES FOR SPECIALTY CROPS.**—The Under Secretary, in coordination with the Directors of relevant Program Offices, shall—

(1) coordinate with and assist producers and organizations comprised of program beneficiaries working together to develop and implement applied

`(B) use the roadmap to set the research, extension, and education agenda of the Department; and

`(C) submit a description of the roadmap to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate.

`(2) **IMPLEMENTATION-** The Secretary, acting through the Under Secretary, shall implement, to the maximum extent practicable, the roadmap.

`(3) **FUNDING-** There are authorized to be appropriated such sums as are necessary to carry out this subsection.'

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research and extension related to the United States specialty crop industry;

(2) facilitate in the delivery of information to beneficiaries in a user-friendly form, in addition to a standard research publication, and reward providers for their abilities to deliver information to both the scientific community and the end-user; and

(3) ensure coordination among research initiatives funded and sponsored by the Department of Agriculture.

SEC. 7105. ESTABLISHMENT OF COMPETITIVE GRANT PROGRAMS UNDER THE NATIONAL INSTITUTE FOR FOOD AND AGRICULTURE.

Any office established to administer competitive programs under section 7101(b)(2), including the Agricultural Bioenergy and Biobased Products Research Initiative, the Specialty Crop Research Initiative, and Fresh Cut Produce Safety Grants created by this Act, shall be referred to as the National Institute of Food and Agriculture.

Subtitle E--National Institute of Food and Agriculture

SEC. 7401. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

(a) In General- Subtitle F of the Department of Agriculture Reorganization Act of 1994 is amended by adding after section 252 (7 U.S.C. 6972) the following:

SEC. 253. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE.

(a) Definitions- In this section:

(1) **ADVISORY BOARD**- The term 'Advisory Board' means the National Agricultural Research, Extension, Education, and Economics Advisory Board established under section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123).

(2) **COMPETITIVE PROGRAM**- The term 'competitive program' means each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this section:

(A) The competitive grant program established under section 2(b) of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i(b)), commonly known as the 'National Research Initiative Competitive Grants Program'.

(B) The program providing competitive grants for risk management education established under section 524(a)(3) of the Federal Crop Insurance Act (7 U.S.C. 1524(a)(3)).

`(C) The program providing community food project competitive grants established under section 25 of the Food Stamp Act of 1977 (7 U.S.C. 2034).

`(D) Each grant program established under section 2501 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 2279) providing outreach and assistance for socially disadvantaged farmers and ranchers.

`(E) The program providing grants under section 1417(b)(1) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(1)), commonly known as `Higher Education Challenge Grants'.

`(F) The program providing grants and related assistance established under section 1417(b)(5) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(5)) commonly known as the `Higher Education Multicultural Scholars Program'.

`(G) The program providing food and agricultural sciences national needs graduate and postgraduate fellowship grants established under section 1417(b)(6) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(6)).

`(H) The program providing grants under section 1417(j) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(j)), commonly known as `Institution Challenge Grants'.

`(I) The program providing grants for Hispanic-serving institutions established under section 1455 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241).

`(J) The program providing competitive grants for international agricultural science and education programs under section 1459A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3292b).

`(K) The program of agricultural development in the American-Pacific region established under section 1473H of the National Agricultural Research, Extension, and Teaching Policy Act of 1977.

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`(L) The research and extension projects carried out under section 1621 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5811), commonly known as the 'Sustainable Agriculture Research and Education program'.

`(M) The biotechnology risk assessment research program established under section 1668 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5921).

`(N) The organic agriculture research and extension initiative established under section 1672B of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925b).

`(O) The Initiative for Future Agriculture and Food Systems established under section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621).

`(P) The integrated research, education, and extension competitive grants program established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).

`(Q) The Small Business Innovation Research Program established under section 9 of the Small Business Act (15 U.S.C. 638).

`(R) The specialty crop research initiative under section 412 of the Agricultural Research, Extension, and Education Reform Act of 1998.

`(S) The administration and management of the regional bioenergy crop research program carried out under section 9012 of the Farm Security and Rural Investment Act of 2002.

`(T) The research, extension, and education programs authorized by section 407 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7627) relating to the viability and competitiveness of small- and medium-sized dairy, livestock, crop, and other commodity operations.

`(U) Other programs, including any programs added by amendments made by title VII of the Food and Energy Security Act of 2007 that are competitive programs, as determined by the Secretary.

`(3) DIRECTOR- The term `Director' means the Director of the Institute.

`(4) INFRASTRUCTURE PROGRAM- The term `infrastructure program' means each of the following agricultural research, extension, education, and related programs for which the Secretary has administrative or other authority as of the day before the date of enactment of this section:

`(A) Each program providing funding to any of the 1994 Institutions under sections 533, 534(a), and 535 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) (commonly known as `financial assistance, technical assistance, and endowments to tribal colleges and Navajo Community College').

`(B) The program established under section 536 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) providing research grants for 1994 institutions.

`(C) Each program established under subsections (b), (c), and (d) of section 3 of the Smith-Lever Act (7 U.S.C. 343).

`(D) Each program established under the Hatch Act of 1887 (7 U.S.C. 361a et seq.).

`(E) Each program established under section 1417(b)(4) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(4)), including grant programs under that section (commonly known as the `1890 Institution Teaching and Research Capacity Building Grants Program').

`(F) The animal health and disease research program established under subtitle E of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3191 et seq.).

`(G) Each extension program available to 1890 Institutions established under sections 1444 and 1464 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221, 3312).

`(H) The program established under section 1445 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7

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U.S.C. 3222) (commonly known as the `Evans-Allen Program').

`(I) The program providing grants to upgrade agricultural and food sciences facilities at 1890 Institutions established under section 1447 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222b).

`(J) The program providing distance education grants for insular areas established under section 1490 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362).

`(K) The program providing resident instruction grants for insular areas established under section 1491 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363).

`(L) Each program available to 1890 Institutions established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).

`(M) The program providing competitive extension grants to eligible 1994 Institutions under section 1464 of National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3312) and the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103-382; 7 U.S.C. 301 note) established under section 406 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7626).

`(N) Each research and development and related program established under Public Law 87-788 (commonly known as the `McIntire-Stennis Cooperative Forestry Act') (16 U.S.C. 582a et seq.).

`(O) Each program established under the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 et seq.).

`(P) Each program providing funding to Hispanic-serving agricultural colleges under section 1456 of the National Agricultural Research, Extension and Teaching Policy Act of 1977.

`(Q) The administration and management of the farm energy education and technical assistance program carried out under section 9005 of the Farm Security and Rural Investment Act of 2002.

`(R) Other programs, including any programs added by amendments made by title VII of the Food and Energy Security Act of 2007 that are infrastructure programs, as determined by the Secretary.

`(5) INSTITUTE- The term `Institute' means the National Institute of Food and Agriculture established by subsection (b)(1)(A).

`(b) Establishment of National Institute for Food and Agriculture-

`(1) ESTABLISHMENT-

`(A) IN GENERAL- There is established within the Department an agency to be known as the `National Institute of Food and Agriculture'.

`(B) LOCATION- The location of the Institute shall be in Washington, District of Columbia, as determined by the Secretary.

`(C) MEMBERS- The Institute shall consist of--

`(i) the Director;

`(ii) the individual offices established under subsection (e); and

`(iii) the staff and employees of National Institute for Food and Agriculture.

`(2) TRANSFER OF AUTHORITIES- There are transferred to the Institute the authorities (including all budget authorities and personnel), duties, obligations, and related legal and administrative functions prescribed by law or otherwise granted to the Secretary, the Department, or any other agency or official of the Department under—

`(A) the infrastructure programs;

`(B) the competitive programs;

`(C) the research, education, economic, cooperative State research programs, cooperative extension and education programs, international programs, and other functions and authorities delegated by the Secretary to the Administrator of the Cooperative State Research, Education, and

Extension Service pursuant to section 2.66 of title 7, Code of Federal Regulations (or successor regulations); and

`(D) any and all other authorities administered by the Administrator of the Cooperative State Research, Education, and Extension Service.

`(3) CONSOLIDATION OF AUTHORITIES- To carry out this Act, in accordance with the transfer and continuation of the authorities, budgetary functions, and personnel resources under this subsection, the administrative entity within the Department known as the Cooperative State Research, Education, and Extension Service shall terminate on the earlier of—

`(A) October 1, 2008; or

`(B) such earlier date as the Director determines to be appropriate.

`(c) Director-

`(1) IN GENERAL- The Institute shall be headed by a Director, who shall be an individual who is—

`(A) a distinguished scientist; and

`(B) appointed by the President (after taking into consideration recommendations made by the National Academy of Sciences), by and with the advice and consent of the Senate.

`(2) TERM- The Director shall serve for a single, 6-year term.

`(3) SUPERVISION- The Director shall report directly to the Secretary.

`(4) COMPENSATION- The Director shall receive basic pay at the rate provided for level II of the Executive Schedule under section 5513 of title 5, United States Code.

`(5) AUTHORITY AND RESPONSIBILITIES OF DIRECTOR-

`(A) IN GENERAL- Except as otherwise specifically provided in this section, the Director shall—

- `(i) exercise all of the authority provided to the Institute by this section;
- `(ii) formulate programs in accordance with policies adopted by the Institute;
- `(iii) establish offices within the Institute;
- `(iv) establish procedures for the peer review of research funded by the Institute;
- `(v) establish procedures for the provision and administration of grants by the Institute in accordance with this section;
- `(vi) assess the personnel needs of agricultural research in the areas supported by the Institute, and, if determined to be appropriate by the Director, for other areas of food and agricultural research;
- `(vii) plan programs that will help meet agricultural personnel needs in the future, including portable fellowship and training programs in fundamental agricultural research and fundamental science; and
- `(viii) consult regularly with the National Agricultural Research, Extension, Education, and Economics Advisory Board.

`(B) FINALITY OF ACTIONS- An action taken by the Director in accordance with this section shall be final and binding upon the Institute.

`(C) DELEGATION AND REDELEGATION OF FUNCTIONS-

`(i) IN GENERAL- Except as provided in clause (ii), the Director may, from time to time and as the Director considers to be appropriate, authorize the performance by any other officer, agency, or employee of the Institute of any of the functions of the Director under this section.

`(ii) CONTRACTS, GRANTS, AND OTHER ARRANGEMENTS- The Director may enter into contracts and other arrangements, and provide grants, in accordance with this section.

`(iii) FORMULATION OF PROGRAMS- The formulation of

programs in accordance with the policies of the Institute shall be carried out by the Director.

`(6) STAFF- The Director shall recruit and hire such senior staff and other personnel as are necessary to assist the Director in carrying out this section.

`(7) REPORTING AND CONSULTATION- The Director shall—

`(A) periodically report to the Secretary with respect to activities carried out by the Institute; and

`(B) consult regularly with the Secretary to ensure, to the maximum extent practicable, that—

`(i) research of the Institute is relevant to agriculture in the United States and otherwise serves the national interest; and

`(ii) the research of the Institute supplements and enhances, and does not replace, research conducted or funded by—

`(I) other agencies of the Department;

`(II) the National Science Foundation; or

`(III) the National Institutes of Health.

`(d) Powers-

`(1) IN GENERAL- The Institute shall have such authority as is necessary to carry out this section, including the authority—

`(A) to promulgate such regulations as the Institute considers to be necessary for governance of operations, organization, and personnel;

`(B) to make such expenditures as are necessary to carry out this section;

`(C) to enter into contracts or other arrangements, or modifications of contracts or other arrangements—

`(i) to provide for the conduct, by organizations or individuals in the

United States (including other agencies of the Department, Federal agencies, and agencies of foreign countries), of such agricultural research or related activities as the Institute considers to be necessary to carry out this section; and

`(ii) for the conduct of such specific agricultural research as is in the national interest or is otherwise of critical importance, as determined by the Secretary, with the concurrence of the Institute;

`(D) to make advance, progress, and other payments relating to research and scientific activities without regard to subsections (a) and (b) of section 3324 of title 31, United States Code;

`(E) to receive and use donated funds, if the funds are donated without restriction other than that the funds be used in furtherance of 1 or more of the purposes of the Institute;

`(F) to publish or arrange for the publication of research and scientific information to further the full dissemination of information of scientific value consistent with the national interest, without regard to section 501 of title 44, United States Code;

`(G)(i) to accept and use the services of voluntary and uncompensated personnel; and

`(ii) to provide such transportation and subsistence as are authorized by section 5703 of title 5, United States Code, for individuals serving without compensation;

`(H) to prescribe, with the approval of the Comptroller General of the United States, the extent to which vouchers for funds expended under contracts for scientific or engineering research shall be subject to itemization or substantiation prior to payment, without regard to the limitations of other laws relating to the expenditure and accounting of public funds;

`(I) to reimburse the Secretary, and the heads of other Federal agencies, for the performance of any activity that the Institute is authorized to conduct; and

`(J) to enter into contracts, at the request of the Secretary, for the carrying out of such specific agricultural research as is in the national interest or otherwise of critical importance, as determined by the Secretary, with the consent of the Institute.

`(2) TRANSFER OF RESEARCH FUNDS OF OTHER DEPARTMENTS OR AGENCIES- Funds available to the Secretary, or any other department or agency of the Federal Government, for agricultural or scientific research shall be—

`(A) available for transfer, with the approval of the Secretary or the head of the other appropriate department or agency involved, in whole or in part, to the Institute for use in providing grants in accordance with the purposes for which the funds were made available; and

`(B) if so transferred, expendable by the Institute for those purposes.

`(e) Offices-

`(1) ESTABLISHMENT OF OFFICES-

`(A) OFFICE OF THE AGRICULTURAL RESEARCH, EXTENSION, AND EDUCATION NETWORK-

`(i) ESTABLISHMENT- The Director shall establish within the Institute an Office of the Agricultural Research, Extension, and Education Network (referred to in this subparagraph as the `Office').

`(ii) DUTIES- At the discretion of the Director, the Office shall have responsibility for all infrastructure programs.

`(B) OFFICE OF COMPETITIVE PROGRAMS FOR FUNDAMENTAL RESEARCH-

`(i) DEFINITION OF FUNDAMENTAL RESEARCH- In this subparagraph, the term `fundamental research' means research that—

`(I) is directed toward greater knowledge or understanding of the fundamental aspects of phenomena and has the potential for broad, rather than specific, application; and

`(II) has an effect on agriculture, food, nutrition, human health, or another purpose of this section.

`(ii) ESTABLISHMENT- The Director shall establish within the Institute an Office of Competitive Programs for Fundamental Research (referred to in this subparagraph as the `Office').

`(iii) DUTIES- At the discretion of the Director, the Office shall have responsibility for all competitive programs relating to fundamental research.

`(C) OFFICE OF COMPETITIVE PROGRAMS FOR APPLIED RESEARCH-

`(i) DEFINITION OF APPLIED RESEARCH- In this subparagraph, the term `applied research' means research that expands on the findings of fundamental research to uncover practical ways in which new knowledge can be advanced to benefit individuals and society.

`(ii) ESTABLISHMENT- The Director shall establish within the Institute an Office of Competitive Programs for Applied Research (referred to in this subparagraph as the `Office').

`(iii) DUTIES- At the discretion of the Director, the Office shall have responsibility for all competitive programs relating to applied research.

`(D) OFFICE OF COMPETITIVE PROGRAMS FOR EDUCATION AND OTHER PURPOSES-

`(i) ESTABLISHMENT- The Director shall establish within the Institute an Office of Competitive Programs for Education and Other Purposes (referred to in this subparagraph as the `Office').

`(ii) DUTIES- At the discretion of the Director, the Office shall have responsibility for all competitive programs that provide education fellowships and other education-related grants.

`(2) COMPETITIVE PROGRAMS FOR FUNDAMENTAL AND APPLIED RESEARCH-

`(A) DEFINITION OF A COMPETITIVE PROGRAM FOR FUNDAMENTAL AND APPLIED RESEARCH- In this paragraph, the term `competitive program for fundamental and applied research' means—

`(i) the competitive grant program established under section 2 of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i), commonly known as the `National Research Initiative Competitive Grants Program'; and

`(ii) any other competitive program within the Institute that funds both fundamental and applied research, as determined by the Director.

`(B) PROGRAM ALLOCATIONS- For purposes of determining which Office established under paragraph (1) should have primary responsibility for administering grants under a competitive program for fundamental and applied research, the Director shall—

`(i) determine whether the grant under the competitive program for fundamental and applied research is principally related to fundamental or applied research; and

`(ii) assign the grant to the appropriate Office.

`(3) RESPONSIBILITY OF THE DIRECTOR- The Director shall ensure that the Offices established under paragraph (1) coordinate with each other Office for maximum efficiency.

`(f) Reporting- The Director shall submit to the Secretary, the Committee on Agriculture and the Committee on Appropriations of the House of Representatives, and the Committee on Agriculture, Nutrition, and Forestry and the Committee on Appropriations of the Senate—

`(1) not later than 1 year after the date of establishment of the Institute, and biennially thereafter, a comprehensive report that—

`(A) describes the research funded and other activities carried out by the Institute during the period covered by the report; and

`(B) describes each contract or other arrangement that the Institute has entered into, each grant awarded to the Institute, and each other action of the Director taken, under subsection (c)(5)(C)(ii); and

`(2) not later than 1 year after the date of establishment of the Institute, and annually thereafter, a report that describes the allocation and use of funds under subsection (g)(2) of section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621).

`(g) Funding-

`(1) IN GENERAL- In addition to funds otherwise appropriated to carry out each program administered by the Institute, there are authorized to be appropriated such sums as are necessary to carry out this section for each fiscal year.

`(2) ALLOCATION- Funding made available under paragraph (1) shall be allocated according to recommendations contained in the roadmap described in section 309(c)(1)(A).'

(c) Conforming Amendments-

(1) Section 296(b) of the Department of Agriculture Reorganization Act of 1994 (7 U.S.C. 7014(b)) is amended—

(A) in paragraph (4), by striking `or' at the end;

(B) in paragraph (5), by striking the period at the end and inserting a semicolon; and

(C) by adding at the end the following:

`(6) the authority of the Secretary relating to the National Institute of Food and Agriculture under section 253; or'.

(2) The National Agricultural Research, Extension, and Teaching Policy Act of 1977 is amended—

(A) in section 1424A(b) (7 U.S.C. 3174a(b)), by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'; and

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(B) in section 1458(a)(10) (7 U.S.C. 3291(a)(10)), by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(3) Section 522(d)(2) of the Federal Crop Insurance Act (7 U.S.C. 1522(d)(2)) is amended by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(4) Section 524(a) of the Federal Crop Insurance Act (7 U.S.C. 1524(a)) is amended in each of paragraphs (1)(B) and (3)(A) by striking `the Cooperative State Research, Education, and Extension Service' each place it appears and inserting `the National Institute of Food and Agriculture'.

(5) Section 306(a)(11)(C) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1926(a)(11)(C)) is amended by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(6) Section 704 of the Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2006 (7 U.S.C. 2209b), is amended by striking `Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(7) Section 7404(b)(1)(B) of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 3101 note; Public Law 107-171) is amended by striking clause (vi) and inserting the following:

`(vi) the National Institute of Food and Agriculture.'.

(8) Section 1499(c) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5506(c)) is amended by striking `the Cooperative State Research Service' and inserting `the National Institute of Food and Agriculture'.

(9) Section 1622 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5812) is amended—

(A) in subsection (a)(1), by striking `the Cooperative State Research Service' and inserting `the National Institute of Food and Agriculture'; and

(B) in subsection (b)(1), by striking subparagraph (B) and inserting the following:

`(B) the National Institute of Food and Agriculture;'

(10) Section 1668(b) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5921(b)) is amended by striking `Cooperative State Research, Education, and Extension Service and the Agricultural Research Service' and inserting `the National Institute of Food and Agriculture'.

(11) Section 1670(a)(4) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5923(a)(4)) is amended by striking `the Administrator of the Cooperative State Research, Education, and Extension Service' and inserting `the Director of the National Institute of Food and Agriculture'.

(12) Section 537 of the Federal Agriculture Improvement and Reform Act of 1996 (7 U.S.C. 7446) is amended in each of subsections (a)(2) and (b)(3)(B)(i) by striking `Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(13) Section 103(a) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7613(a)) is amended—

(A) in the subsection heading, by striking `Cooperative State Research, Education, and Extension Service' and inserting `National Institute of Food and Agriculture'; and

(B) in each of paragraphs (1) and (2)(A), by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(14) Section 401(f)(5) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621(f)(5)) is amended by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(15) Section 407(c) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7627(c)) is amended by striking `the Cooperative State Research, Education, and Extension Service' and inserting `the National Institute of Food and Agriculture'.

(16) Section 410(a) of the Agricultural Research, Extension, and Education

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Reform Act of 1998 (7 U.S.C. 7630(a)) is amended by striking `the Administrator of the Cooperative State Research, Education, and Extension Service' and inserting `the Director of the National Institute of Food and Agriculture'.

(17) Section 307(g)(5) of the Agricultural Risk Protection Act of 2000 (7 U.S.C. 8606(g)(5)) is amended by striking `Administrator of the Cooperative State Research, Education, and Extension Service' and inserting `the Director of the National Institute of Food and Agriculture'.

(18) Section 6(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2103b(b)) is amended by striking `the Cooperative State Research, Education, and Extension Service, may provide technical, financial, and related assistance to State foresters, equivalent State officials, or Cooperative Extension officials' and inserting `the National Institute of Food and Agriculture, may provide technical, financial and related assistance to State foresters, equivalent State officials, and Institute officials'.

(19) Section 19 of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2113) is amended in subsections (a)(2) and (b)(1)(B)(i), by striking `Extension Service,' each place it appears and inserting `National Institute of Food and Agriculture,'.

(20) Section 105(a) of the Africa: Seeds of Hope Act of 1998 (22 U.S.C. 2293 note; Public Law 105-385) is amended by striking `the Cooperative State Research, Education, and Extension Service (CSREES)' and inserting `the National Institute of Food and Agriculture'.

(21) Section 307(a)(4) of the National Aeronautic and Space Administration Authorization Act of 2005 (42 U.S.C. 16657(a)(4)) is amended by striking subparagraph (B) and inserting the following:

`(B) the program and structure of, peer review process of, management of conflicts of interest by, compensation of reviewers of, and the effects of compensation on reviewer efficiency and quality within, the National Institute of Food and Agriculture of the Department of Agriculture;'

SEC. 7106. MERGING OF IFAFS AND NRL.

(a) **AMENDMENT.**—Subsection (b) of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i(b)) is amended to read as follows:

SEC. 7201. INITIATIVE FOR FUTURE AGRICULTURE AND FOOD SYSTEMS.

(a) **Funding-** Section 401(b) of the Agricultural Research, Extension, and Education

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“(b) COMPETITIVE GRANT PROGRAMS.—

“(1) **COMPETITIVE BASIS.**—The Secretary of Agriculture is authorized to make competitive grants for the purposes and priorities established under this subsection.

“(2) **TERM.**—The term of a competitive grant made under this subsection may not exceed 10 years.

“(3) **GENERAL ADMINISTRATION.**—In making grants under this subsection, the Secretary shall—

“(A) seek and accept proposals for grants;

“(B) determine the relevance and merit of proposals through a system of peer and merit review in accordance with section 103 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7613);

“(C) award grants on the basis of merit, quality, and relevance to advancing the purposes and priorities established under paragraphs (7) and (11) of this subsection;

“(D) solicit and consider input from persons who conduct or use agricultural research, extension, or education in accordance with section 102(b) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7612(b)); and

“(E) in seeking proposals for grants under this subsection and in performing peer review evaluations of such proposals, seek the widest participation of qualified scientists in the Federal Government, colleges and universities, State agricultural experiment stations, and the private sector.

“(4) **ELIGIBLE ENTITIES.**—The Secretary may make a grant under this subsection to State agricultural experiment stations, all colleges and universities, university research foundations, other research institutions and organizations, Federal agencies, national laboratories, private organizations or corporations, and individuals, for research to further the programs of the Department of Agriculture.

“(5) **ADMINISTRATIVE COSTS.**—Not more than 4 percent of funds made available pursuant to this subsection may be retained by the Secretary to pay administrative costs incurred by the Secretary in carrying out this subsection.

Reform Act of 1998 (7 U.S.C. 7621(b)) is amended—

(1) by striking paragraph (1) and inserting the following:

“(1) **IN GENERAL.**—Not later than 30 days after the date of enactment of the Food and Energy Security Act of 2007, the Secretary of the Treasury shall transfer \$45,000,000 to the Account.’; and

(1) by striking paragraph (3) and inserting the following:

“(3) **OTHER FUNDING.**—

“(A) **AUTHORIZATION OF APPROPRIATIONS.**—There is authorized to be appropriated to carry out this section \$200,000,000 for each of fiscal years 2008 through 2012.

“(B) **SHORTAGE OF FUNDS.**—Notwithstanding any other provision of law, during any year for which funds are not made available under this subsection, the Secretary shall use not less than 80 percent of the funds made available for competitive mission-linked systems research grants under section 2(b)(10)(B) of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i(b)(10)(B)) to carry out a competitive grant program under the same terms and conditions as are provided under this section.’.

(b) **Purposes.**—Section 401(c) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621(c)) is amended—

(1) in paragraph (1)(D), by striking ‘policy’; and

(2) in paragraph (2)—

(A) by striking subparagraphs (A) and (D);

(B) by redesignating subparagraphs (B), (C), (E), and (F) as subparagraphs (A), (B), (F), and (G), respectively;

(C) by inserting after subparagraph (B) the following:

“(C) sustainable and renewable agriculture-based energy production options

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“(6) **CONSTRUCTION PROHIBITED.**—Funds made available for grants under this subsection shall not be used for the construction of a new building or facility or the acquisition, expansion, remodeling, or alteration of an existing building or facility (including site grading and improvement and architect fees).

“(7) **PURPOSES.**—The purposes of the programs established under paragraph (8) shall reflect the purposes and additional purposes of agricultural research, extension, and education reflected in sections 1402 and 1403 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 and 3102).

“(8) **BASIC AND APPLIED RESEARCH PROGRAMS.**—The Secretary shall establish 2 distinct programs of agricultural research, one to fund fundamental, basic research pursuant to paragraph (9) to be known as the National Research Initiative and one to fund applied, integrated research, education, and extension pursuant to paragraph (10) to be known as the Initiative for Future Agricultural and Food Systems.

“(9) **NATIONAL RESEARCH INITIATIVE.**—

“(A) **ALLOCATION.**—The allocation of funds to the National Research Initiative shall be as follows:

“(i) Not less than 30 percent shall be available to make grants for research to be conducted by multidisciplinary teams.

“(ii) Not less than 20 percent shall be available to make grants for research to be conducted by persons conducting mission-linked systems research.

“(iii) Not less than 10 percent shall be available to make grants under subparagraphs (D), (F), and (G) of paragraph (13) for research and education strengthening and research opportunity.

“(iv) Not more than 2 percent may be used for equipment grants under paragraph (13)(D).

“(B) **MATCHING FUNDS.**—Except as provided in this subparagraph, the Secretary may not take the offer or availability of matching funds into consideration in making a grant under this subsection. In the case of grants under paragraph (13)(D), the amount provided under this subsection may not exceed 50 percent of the cost of the special research equipment or other equipment acquired. The Secretary may waive all or part of the matching

and policies;

“(D) environmental services and outcome-based conservation programs and markets;

“(E) agricultural and rural entrepreneurship and business and community development, including farming and ranching opportunities for beginning farmers or ranchers;’; and

(D) in subparagraph (F) (as redesignated by subparagraph (B))--

(i) by inserting ‘and environmental’ after ‘natural resource’; and

(ii) by inserting ‘agro-ecosystems and’ after ‘including’; and

(E) in subparagraph (G) (as redesignated by subparagraph (B))—

(i) by striking ‘including the viability’ and inserting the following: ‘including—

‘(i) the viability’; and

(ii) by striking ‘operations.’ and inserting the following: ‘operations;

‘(ii) farm transition options for retiring farmers or ranchers; and

‘(iii) farm transfer and entry alternatives for beginning or socially-disadvantaged farmers or ranchers.’.

SEC. 7307. COMPETITIVE, SPECIAL, AND FACILITIES RESEARCH GRANT ACT.

(a) Competitive Grants- The Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i) is amended in subsection (b)—

(1) in paragraph (2)—

(A) in the matter preceding subparagraph (A)—

(i) by striking ‘in the areas’ and all that follows through ‘needs shall be’ and inserting ‘, as’; and

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requirement under this subparagraph in the case of a college, university, or research foundation maintained by a college or university that ranks in the lowest one-third of such colleges, universities, and research foundations on the basis of Federal research funds received if the equipment to be acquired costs not more than \$25,000 and has multiple uses within a single research project or is usable in more than 1 research project.

“(10) **INITIATIVE FOR FUTURE AGRICULTURAL AND FOOD SYSTEMS MATCHING FUNDS.**—As a condition of making a grant under this paragraph, the Secretary shall require the funding of the grant be matched with equal matching funds from a non-Federal source if the grant is—

“(A) for applied research that is commodity-specific; and

“(B) not of national scope.

“(11) **RESEARCH PRIORITIES.**—The research priorities for the programs established in paragraph (8) shall be consistent with the priorities in effect for the National Research Initiative (7 U.S.C. 450i(b)) and Initiative for Future Agricultural and Food Systems (7 U.S.C. 7621) on the day before the date of enactment of this subsection. Priorities under the Initiative for Future Agricultural and Food Systems shall include classical plant and animal breeding.

“(12) **PROGRAM ADMINISTRATION.**—To the greatest extent possible, the Under Secretary for Research, Education, and Economics, in conjunction with the Directors of the National Agricultural Research Program Offices established in section 7104 of the Farm, Nutrition, and Bioenergy Act of 2007, shall allocate these grants to high priority research taking into consideration, when available, the determinations made by the National Agricultural Research, Extension, Education, and Economics Advisory Board (as established under section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123)).

“(13) **SPECIAL CONSIDERATIONS.**—In addition to making research grants under paragraph (9), the Secretary may conduct a program to improve research capabilities in the agricultural, food, and environmental sciences and award the following categories of competitive grants. Grants may be awarded—

“(A) to a single investigator or coinvestigators within the same discipline;

“(B) to teams of researchers from different areas of agricultural

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(ii) by striking `year.' and inserting `year, relating to--';

(B) in subparagraph (B), by striking `production efficiency and animal well-being' and inserting `production efficiency, animal well-being, and the judicious use of antibiotics';

(C) in subparagraph (D), by striking `surface water and ground water quality' and inserting `surface water quality and ground water quality, including the reduction of antibiotics or antibiotic-resistant bacteria';

(D) in subparagraph (E), by striking `and' at the end and inserting `; agricultural genomics and biotechnology, including the application of genomics and bioinformatics tools to develop traits in plants and animals (translational genomics)';

(E) in subparagraph (F), by striking the period at the end and inserting `, including areas of concern to beginning farmers or ranchers; and'; and

(F) by adding at the end the following:

`(G) classical plant and animal breeding, including cultivar and breed development, selection theory, applied quantitative genetics, breeding for organic and sustainable systems, breeding for improved nutritional and eating quality, breeding for improved local adaptation to biotic stress, abiotic stress, and climate change, and participatory breeding with farmers and end users.';

(2) in paragraph (4)—

(A) by striking `The' and inserting the following:

`(A) IN GENERAL- Subject to subparagraph (B), the'; and

(B) by adding at the end the following:

`(B) CLASSICAL PLANT AND ANIMAL BREEDING-

 (i) TERM- The term of a competitive grant relating to classical plant and animal breeding under paragraph (2)(G) shall not exceed 10 years.

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research and scientific disciplines;

“(C) to multidisciplinary teams that are proposing research on long-term applied research problems, with technology transfer a major component of all such grant proposals;

“(D) to an institution to allow for the improvement of the research, development, technology transfer, and education capacity of the institution through the acquisition of special research equipment and the improvement of agricultural education and teaching; however the Secretary shall use not less than 25 percent of the funds made available for grants under this subparagraph to provide fellowships to outstanding pre- and post-doctoral students for research in the agricultural sciences;

“(E) to a single investigator or coinvestigators who are beginning their research careers and do not have an extensive research publication record; however, to be eligible for a grant under this subparagraph, an individual shall be within 5 years of the individual’s initial career track position;

“(F) to ensure that the faculty of small and mid-sized institutions who have not previously been successful in obtaining competitive grants under this subsection receive a portion of the grants; and

“(G) to improve research capabilities in States (as defined in the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.)) in which institutions have been less successful in receiving funding under this subsection, based on a 3-year rolling average of funding levels.

“(14) **DIVISION OF FUNDS.**—Of the funds made available to carry out this subsection, 60 percent shall be used to fund programs under paragraph (9) and 40 percent shall be used to fund programs under paragraph (10).

“(15) **TRANSFER OF FUNDS FROM THE INITIATIVE FOR FUTURE AGRICULTURE AND FOOD SYSTEMS.**—Funds made available pursuant to section 401(b)(3)(D) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621 (b)(3)(D)) shall be transferred to the program established under this subsection.

“(16) **AUTHORIZATION OF APPROPRIATIONS.**—

“(A) There is authorized to be appropriated to carry out this subsection \$500,000,000 for each of fiscal years 2008 through 2012.

“(ii) AVAILABILITY- Funds made available for a fiscal year for a competitive grant relating to classical plant and animal breeding under paragraph (2)(G) shall remain available until expended to pay for obligations incurred in that fiscal year.’; and

(3) in paragraph (10), by striking ‘2007’ and inserting ‘2012’.

(b) National Research Support Project-7- The Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i) is amended by adding at the end the following:

“(1) National Research Support Project-7-

“(1) DEFINITIONS- In this subsection:

“(A) PROJECT- The term ‘project’ means the project established by the Secretary under paragraph (2).

“(B) SECRETARY- The term ‘Secretary’ means the Secretary of Agriculture.

“(2) ESTABLISHMENT- The Secretary shall establish the National Research Support Project-7—

“(A) to identify the animal drug needs for—

“(i) minor species; and

“(ii) minor uses in major species;

“(B) to generate and disseminate data to ensure the safe, effective, and lawful use of drugs to be used primarily for the therapy or reproductive management of minor animal species; and

“(C) to facilitate the development and approval of drugs for minor species, and minor uses in major species, by the Center for Veterinary Medicine of the Food and Drug Administration.

“(3) ADMINISTRATION OF PROJECT-

“(A) NATIONAL RESEARCH SUPPORT PROJECT-7- The Secretary

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<p>“(B) Funds made available in each fiscal year shall remain available until expended to pay for obligations incurred in that fiscal year.”.</p> <p>(b) REPEALS.—The following provisions are hereby repealed:</p> <p>(1) Section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621), except that section 401(b)(3) of such Act shall not be repealed and shall remain in effect.</p> <p>(2) Subsection (2)(d) of the Competitive, Special, and Facilities Research Grant Act of 1965 (7 U.S.C. 450i(d)).</p>	<p>shall carry out the project in accordance with each purpose and principle of the National Research Support Project-7 carried out by the Administrator of the Cooperative State Research, Education, and Extension Service as of the day before the date of enactment of this subsection.</p> <p>“(B) CONSULTATION WITH OTHER ENTITIES- The Secretary shall carry out the project in consultation with—</p> <ul style="list-style-type: none">“(i) the Commissioner of Food and Drugs;“(ii) State agricultural experiment stations;“(iii) institutions of higher education;“(iv) private entities; and“(v) any other interested individual or entity. <p>“(4) AUTHORIZATION OF APPROPRIATIONS- There are authorized to be appropriated such sums as are necessary to carry out this subsection.’.</p>
<p>SEC. 7107. CAPACITY BUILDING GRANTS FOR ASCARR INSTITUTIONS.</p> <p>(a) GRANT PROGRAM.—</p> <p>(1) IN GENERAL.—The Secretary shall make competitive grants to ASCARR Institutions to assist the ASCARR Institutions in maintaining and expanding the capacity of the ASCARR Institutions to conduct education, research, and outreach activities relating to—</p> <ul style="list-style-type: none">(A) agriculture;(B) renewable resources; and(C) other similar disciplines. <p>(2) USE OF FUNDS.—An ASCARR Institution that receives a grant under subsection (a)(1) may use the funds made available through the grant to maintain and expand the capacity of the ASCARR Institution—</p> <ul style="list-style-type: none">(A) to successfully compete for funds from Federal grants and other sources to carry out educational, research, and outreach activities that	<p>No comparable provision.</p>

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<p>address priority concerns of national, regional, State, and local interest;</p> <p>(B) to disseminate information relating to priority concerns to—</p> <ul style="list-style-type: none">(i) interested members of the agriculture, renewable resources, and other relevant communities;(ii) the public; and(iii) any other interested entity; <p>(C) to encourage members of the agriculture, renewable resources, and other relevant communities to participate in priority education, research, and outreach activities by providing matching funding to leverage grant funds; and</p> <p>(D) through—</p> <ul style="list-style-type: none">(i) the purchase or other acquisition of equipment and other infrastructure (not including alteration, repair, renovation, or construction of buildings);(ii) the professional growth and development of the faculty of the ASCARR Institution; and(iii) the development of graduate assistantships. <p>(b) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to carry out this section such sums as are necessary for each fiscal year 2008 through 2012.</p>	
<p>SEC. 7108. ESTABLISHMENT OF RESEARCH LABORATORIES FOR ANIMAL DISEASES.</p> <p>(a) DEFINITIONS.—In this section—</p> <ul style="list-style-type: none">(1) ANIMAL DISEASE.—The term “animal disease” has the meaning given the term by the Secretary.(2) IMPORT.—The term “import” means to move from a place outside the territorial limits of the United States to a place within the territorial limits of the United States.(3) LIVE VIRUS.—The term “live virus” means a live virus of foot-and-mouth disease or a live virus of any other animal disease that is a threat to the health of	<p>MISCELLANEOUS TITLE</p> <p>SEC. 11016. LIVE VIRUS OF FOOT AND MOUTH DISEASE RESEARCH.</p> <p>(a) In General- The Secretary shall issue a permit required under section 12 of the Act of May 29, 1884 (21 U.S.C. 113a) to the Secretary of Homeland Security for work on the live virus of foot and mouth disease at the National Bio and Agro-Defense Laboratory (referred to in this section as the `NBAF').</p> <p>(b) Limitation- The permit shall be valid unless the Secretary finds that the study of live foot and mouth disease virus at the NBAF is not being carried out in accordance with the regulations issued by the Secretary pursuant to the Agricultural Bioterrorism Protection Act of 2002 (7 U.S.C. 8401 et seq.).</p>

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livestock, as determined by the Secretary.

(4) **SECRETARY.**—The term “Secretary” means the Secretary of Agriculture.

(5) **STATE.**—The term “State” means any of the States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Commonwealth of the Northern Mariana Islands, the Virgin Islands of the United States, or any territory or possession of the United States.

(6) **UNITED STATES.**—The term “United States” means all of the States.

(b) ANIMAL DISEASE RESEARCH.—

(1) **ESTABLISHMENT OF RESEARCH FACILITIES.**—The Secretary is authorized to establish research laboratories, including the acquisition of necessary land, buildings, or facilities, for research on animal diseases in the United States.

(2) **ACTIVITIES AUTHORIZED WHEN DISEASE THREATENS LIVESTOCK.**—To the extent the Secretary determines that an animal disease constitutes a threat to the livestock industry, the Secretary is authorized to conduct research, diagnostics, and other activities related to the animal disease.

(c) RESTRICTIONS REGARDING LIVE VIRUS.—

(1) **IN GENERAL.**—Except as provided in paragraphs (2), (3), and (4), a person or State or Federal agency may not—

- (A) import a live virus into the United States;
- (B) transport a live virus within the United States; and
- (C) store and maintain a live virus at a research facility.

(2) **AUTHORITY OF THE SECRETARY.**—The Secretary of Agriculture may—

- (A) import a live virus into the United States;
- (B) transport a live virus within the United States; and
- (C) store and maintain a live virus at a research facility.

(3) **PERMITS.**—

(A) **IN GENERAL.**—If the Secretary determines that it is in the public interest to do so, the Secretary may issue a permit to allow a private person

(c) Authority- The suspension, revocation, or other impairment of the permit issued under this section—

- (1) shall be made by the Secretary; and
- (2) is a nondelegable function.

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<p>or a State or Federal agency to—</p> <ul style="list-style-type: none">(i) import a live virus into the United States;(ii) transport a live virus within the United States; and(iii) store and maintain a live virus at a research facility. <p>(B) PERMIT TERMS.—A permit issued under this paragraph shall be subject to terms and conditions prescribed by the Secretary.</p> <p>(4) LIMITATION.—Nothing in this section shall apply to the importation, transportation, storage, and maintenance of any live virus governed by regulations promulgated pursuant to section 351A of the Public Health Service Act (42 U.S.C. 262a) or the Agricultural Bioterrorism Protection Act of 2002 (7 U.S.C. 8401).</p> <p>(d) AUTHORIZATION OF APPROPRIATIONS.—In addition to funds otherwise available for the control or eradication of animal diseases, there are authorized to be appropriated such sums as necessary to carry out this section.</p>	
<p>SEC. 7109. GRAZINGLANDS RESEARCH LABORATORY.</p> <p>Notwithstanding any other provision of law, without specific authorization by an Act of Congress, the Federal land and facilities at El Reno, Oklahoma, currently administered by the Secretary of Agriculture as the Grazinglands Research Laboratory, shall not at any time, in whole or part, be declared to be excess or surplus Federal property under chapter 5 of subtitle I of title 40, United States Code, or otherwise be conveyed or transferred in whole or in part.</p>	<p>No comparable provision.</p>
<p>SEC. 7110. RESEARCHER TRAINING.</p> <p>(a) REQUIREMENT.—The Secretary shall require that persons receiving funds under section 1668(g)(2) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5921(g)(2)) to conduct research concerning genetically engineered plants, including seed and other propagative materials, complete a training program approved by the Secretary.</p> <p>(b) CERTIFICATION OF THIRD-PARTY PROVIDERS.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall establish a system for approving individuals and entities to provide training under subsection (a), including criteria for the evaluation of trainers or potential trainers.</p> <p>(c) EXPERTISE.—In establishing criteria for the evaluation of potential trainers, the Secretary shall ensure that individuals and entities with expertise in quality management</p>	<p>No comparable provision.</p>

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<p>systems, plant breeding and genetics, and the technical aspects of the Federal regulatory process for agricultural biotechnology, are eligible to become approved trainers under subsection (b).</p>	
<p>SEC. 7111. FORT RENO SCIENCE PARK RESEARCH FACILITY.</p> <p>The Secretary of Agriculture may lease land to the University of Oklahoma at the Grazinglands Research Laboratory at El Reno, Oklahoma, on such terms and conditions as the University and the Secretary may agree in furtherance of cooperative research and existing easement arrangements.</p>	<p>No comparable provision.</p>
<p>SEC. 7112. ASSESSING THE NUTRITIONAL COMPOSITION OF BEEF PRODUCTS.</p> <p>(a) STUDY.—Not later than 1 year after the date of the enactment of this Act, the Secretary shall award a grant, contract, or other agreement with an appropriate land-grant university to update the Department of Agriculture's Nutrient Composition Handbook for Beef, also known as Handbook #8–13. The Handbook shall incorporate accurate and current data collected by the university to be used by Federal agencies, private industries, health organizations, and consumers to determine important diet and health-related issues associated with the consumption of beef and beef products.</p> <p>(b) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated such sums as are necessary to carry out this section to be available until expended.</p>	<p>No comparable provision.</p>
<p>SEC. 7113. SENSE OF CONGRESS REGARDING FUNDING FOR HUMAN NUTRITION RESEARCH.</p> <p>It is the sense of the Congress that—</p> <p>(1) human nutrition research has the potential for improving the health status of the American public through studies that help determine—</p> <p>(A) the food and beverage intakes of Americans and the nutrient composition of the food supply;</p> <p>(B) the relationship between diet and obesity, particularly to prevent childhood obesity;</p> <p>(C) the authoritative, peer-reviewed, science-based evidence that forms the basis for Federal nutrition policy, dietary guidelines and programs; and</p> <p>(D) the nutrient requirements for individuals at various stages in the lifespan</p>	<p>No comparable provision.</p>

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<p>and for vulnerable populations, particularly children and the elderly;</p> <p>(2) human nutrition research holds the potential for identifying factors in crops and livestock that provide nutrition benefits to humans and add value for producers;</p> <p>(3) the potential cost savings to Federal health programs, combined with the boost in revenues for farmers who produce nutritionally enhanced foods, justifies an increase in funding to a level sufficient to conduct this essential research; and</p> <p>(4) the USDA regional human nutritional research centers have unique value in linking producer and consumer interests into investigations of food and human nutrition issues and conducting long-term nutrition studies; and activities at these centers should be preserved and coordinated with other human nutrition research activities.</p>	
<p>Subtitle B—National Agricultural Research, Extension, and Teaching Policy Act of 1977</p>	<p>Subtitle A--National Agricultural Research, Extension, and Teaching Policy Act of 1977</p>
<p>SEC. 7201. ADVISORY BOARD.</p> <p>Section 1408(g)(1) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123(g)(1)) is amended by striking “\$350,000” and inserting “\$500,000”.</p>	<p>SEC. 7002. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, EDUCATION, AND ECONOMICS ADVISORY BOARD.</p> <p>Section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123) is amended—</p> <p>(A) in subsection (g)(1), by striking ‘\$350,000’ and inserting ‘\$500,000’; and</p> <p>(C) in subsection (h), by striking ‘2007’ and inserting ‘2012’.</p> <p>SEC. 7401. NATIONAL INSTITUTE OF FOOD AND AGRICULTURE. <i>(for complete section, see SEC. 7401 of the Senate Amendment, SEC. 7105 of H.R. 2419)</i></p> <p>(b) National Agricultural Research, Extension, and Teaching Policy Act of 1977- Section 1408(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123(b)) is amended—</p> <p>(1) in paragraph (1), by striking ‘31 members’ and inserting ‘24 members’;</p> <p>(2) by striking paragraph (3) and inserting the following:</p> <p>‘(3) MEMBERSHIP CATEGORIES- The Advisory Board shall consist of</p>

members from each of the following categories:

- `(A) 1 member representing a national farm organization.
- `(B) 1 member representing farm cooperatives.
- `(C) 1 member actively engaged in the production of a food animal commodity.
- `(D) 1 member actively engaged in the production of a plant commodity.
- `(E) 1 member actively engaged in aquaculture.
- `(F) 1 member representing a national food animal science society.
- `(G) 1 member representing a national crop, soil, agronomy, horticulture, plant pathology, or weed science society.
- `(H) 1 member representing a national food science organization.
- `(I) 1 member representing a national human health association.
- `(J) 1 member representing a national nutritional science society.
- `(K) 1 member representing the land-grant colleges and universities eligible to receive funds under the Act of July 2, 1862 (7 U.S.C. 301 et seq.).
- `(L) 1 member representing the land-grant colleges and universities eligible to receive funds under the Act of August 30, 1890 (7 U.S.C. 321 et seq.), including Tuskegee University.
- `(M) 1 member representing the 1994 Institutions (as defined in section 532 of the Equity in Educational Land-Grant Status Act of 1994 (Public Law 103-382; 7 U.S.C. 301 note)).
- `(N) 1 member representing Hispanic-serving institutions.
- `(O) 1 member representing the American Colleges of Veterinary Medicine.

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	<p>`(P) 1 member engaged in the transportation of food and agricultural products to domestic and foreign markets.</p> <p>`(Q) 1 member representing food retailing and marketing interests.</p> <p>`(R) 1 member representing food and fiber processors.</p> <p>`(S) 1 member actively engaged in rural economic development.</p> <p>`(T) 1 member representing a national consumer interest group.</p> <p>`(U) 1 member representing a national forestry group.</p> <p>`(V) 1 member representing a national conservation or natural resource group.</p> <p>`(W) 1 member representing private sector organizations involved in international development.</p> <p>`(X) 1 member representing a national social science association.'; and</p> <p>(3) in paragraph (4), by striking `the Administrator of the Cooperative State Research, Education, and Extension Service' and inserting `the Director of the National Institute of Food and Agriculture'.</p>
<p>SEC. 7202. ADVISORY BOARD TERMINATION.</p> <p>Section 1408(h) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123(h)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7002. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, EDUCATION, AND ECONOMICS ADVISORY BOARD.</p> <p>Section 1408 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123) is amended—</p> <p>(A) in subsection (g)(1), by striking `\$350,000' and inserting `\$500,000'; and</p> <p>(B) in subsection (h), by striking `2007' and inserting `2012'.</p>
<p>SEC. 7203. RENEWABLE ENERGY COMMITTEE.</p>	<p>No comparable provision.</p>

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The National Agricultural Research, Extension, and Teaching Policy Act of 1977 is amended by inserting after section 1408A the following:

“SEC. 1408B. RENEWABLE ENERGY COMMITTEE.

“(a) **INITIAL MEMBERS.**—Not later than 90 days after the date of the enactment of this section, the executive committee of the Advisory Board shall establish and appoint the initial members of a permanent renewable energy committee that shall be responsible for studying the scope and effectiveness of research, extension, and economics programs affecting the renewable energy industry.

“(b) **NON-ADVISORY BOARD MEMBERS.**—Individuals who are not members of the Advisory Board may be appointed as members of the renewable energy committee. Members of the renewable energy committee shall serve at the discretion of the executive committee.

“(c) **REPORT BY RENEWABLE ENERGY COMMITTEE.**—Not later than 180 days after the establishment of the renewable energy committee, and annually thereafter, the renewable energy committee shall submit to the Advisory Board a report containing the findings of its study under subsection (a). The renewable energy committee shall include in each report its recommendations.

“(d) **COORDINATION OF FUNCTIONS.**—In carrying out its functions, the Renewable Energy Committee shall coordinate with the Biomass Research and Development Act Committee.

“(e) **MATTERS TO BE CONSIDERED IN BUDGET RECOMMENDATION.**—In preparing the annual budget recommendations for the Department, the Secretary shall take into consideration those findings and recommendations contained in the most recent report of the renewable energy committee that are adopted by the Advisory Committee.

“(f) **REPORT BY THE SECRETARY.**—In the budget material submitted to Congress by the Secretary in connection with the budget submitted pursuant to section 1105 of title 31, United States Code, for a fiscal year, the Secretary shall include a report describing how the Secretary addressed each recommendation of the renewable energy committee described in subsection (e) of this section.”.

SEC. 7204. SPECIALTY CROP COMMITTEE REPORT.

Section 1408A(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3123a(c)) is amended by adding at the end the following:

“(4) Analyses of the specialty crop sector, including the impact of changes in

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domestic and international markets, production and new product technologies, alternative policies and macroeconomic conditions on specialty crop production, use, farm and retail prices, and farm income and financial stability from a national, regional, and farm-level perspective.

“(5) Review of the economic state of the specialty crop industry from a regional perspective.

“(6) Development of data that provides applied information useful to specialty crop growers, their associations, and other interested beneficiaries in evaluating that industry from a regional and national perspective.”.

SEC. 7205. INCLUSION OF UDC IN GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

Section 1417 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152) is amended—

(1) in subsection (b), by inserting “including the University of the District of Columbia,” after “universities,”; and

(2) in subsection (d)(2), by inserting “, including the University of the District of Columbia,” after “universities”.

SEC. 7004. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT OF COLUMBIA FOR GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

Section 1417 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152) is amended—

(1) in the matter preceding paragraph (1) of subsection (b), by inserting `(including the University of the District of Columbia)' after `land-grant colleges and universities'; and

(2) in subsection (d)(2), by inserting `(including the University of the District of Columbia)' after `universities'.

SEC. 7206. GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

(a) **EDUCATION TEACHING PROGRAMS.**—Section 1417(j) of the National Agricultural Research, Extension and Teaching Policy Act of 1977 (7 U.S.C. 3152(j)) is amended—

(1) in the subsection heading, by striking “**SECONDARY EDUCATION AND 2-YEAR POSTSECONDARY EDUCATION TEACHING PROGRAMS**” and inserting “**SECONDARY EDUCATION, 2-YEAR POSTSECONDARY EDUCATION, AND AGRICULTURE IN THE K–12 CLASSROOM**”; and

(2) in paragraph (3)—

(A) by striking “secondary schools, and institutions of higher education that award an associate’s degree” and inserting “secondary schools, institutions of higher education that award an associate’s degree,

SEC. 7007. GRANTS AND FELLOWSHIPS FOR FOOD AND AGRICULTURAL SCIENCES EDUCATION.

(a) **Education Teaching Programs-** Section 1417(j) of the National Agricultural Research, Extension and Teaching Policy Act of 1977 (7 U.S.C. 3152(j)) is amended—

(1) in the subsection heading, by striking `and 2-Year Postsecondary Education Teaching Programs' and inserting `, 2-Year Postsecondary Education, and Agriculture in the K-12 Classroom'; and

(2) in paragraph (3)—

(A) in the matter preceding subparagraph (A), by striking `and institutions of higher education that award an associate's degree' and inserting `,

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<p>other institutions of higher education, and nonprofit organizations”;</p> <p>(B) in subparagraph (E), by striking “and” at the end;</p> <p>(C) in subparagraph (F), by striking the period at the end and inserting “; and”; and</p> <p>(D) by adding at the end the following:</p> <p>“(G) to support current agriculture in the classroom programs for grades K–12.”.</p> <p>(b) AUTHORIZATION OF APPROPRIATIONS.—Section 1417(l) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(l)) is amended by striking “2007” and inserting “2012”.</p> <p>(c) REPORT.—Section 1417 of the National Agricultural Research, Extension and Teaching Policy Act of 1977 is amended by adding at the end the following:</p> <p>“(m) REPORT.—The Secretary shall submit an annual report to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition and Forestry of the Senate detailing the distribution of funds used to implement the teaching programs under subsection (j).”.</p>	<p>institutions of higher education that award an associate's degree, other institutions of higher education, and nonprofit organizations';</p> <p>(B) in subparagraph (E), by striking `and' at the end;</p> <p>(C) in subparagraph (F), by striking the period at the end and inserting `; and'; and</p> <p>(D) by adding at the end the following:</p> <p>`(G) to support current agriculture in the classroom programs for grades K-12.'.</p> <p>(b) Authorization of Appropriations- Section 1417(l) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(l)) is amended by striking `2007' and inserting `2012'.</p> <p>(c) Report- Section 1417 of the National Agricultural Research, Extension and Teaching Policy Act of 1977 (7 U.S.C. 3152) is amended—</p> <p>(1) by redesignating subsection (l) as subsection (m); and</p> <p>(2) by inserting after subsection (k) the following:</p> <p>`(l) Report- The Secretary shall submit an annual report to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate describing the distribution of funds used to implement teaching programs under subsection (j).'</p>
<p>SEC. 7207. GRANTS FOR RESEARCH ON PRODUCTION AND MARKETING OF ALCOHOLS AND INDUSTRIAL HYDROCARBONS FROM AGRICULTURAL COMMODITIES AND FOREST PRODUCTS.</p> <p>Section 1419(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3154(d)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7008. GRANTS FOR RESEARCH ON PRODUCTION AND MARKETING OF ALCOHOLS AND INDUSTRIAL HYDROCARBONS FROM AGRICULTURAL COMMODITIES AND FOREST PRODUCTS.</p> <p>Section 1419(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3154(d)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7208. POLICY RESEARCH CENTERS.</p> <p>Section 1419A of the National Agricultural Research, Extension, and Teaching Policy Act</p>	<p>SEC. 7009. POLICY RESEARCH CENTERS.</p> <p>Section 1419A of the National Agricultural Research, Extension, and Teaching Policy</p>

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<p>of 1977 (7 U.S.C. 3155) is amended—</p> <p>(1) in subsection (b), by inserting “, including the Food Agricultural Policy Research Institute and the Agricultural and Food Policy Center” after “research institutions and organizations”; and</p> <p>(2) in subsection (d), by striking “2007” and inserting “2012”.</p>	<p>Act of 1977 (7 U.S.C. 3155) is amended—</p> <p>(1) in subsection (b), by inserting `(including the Food Agricultural Policy Research Institute, the Agricultural and Food Policy Center, the Rural Policy Research Institute, and the Community Vitality Center)' after `research institutions and organizations'; and</p> <p>(2) in subsection (d), by striking `2007' and inserting `2012'.</p>
<p>SEC. 7209. HUMAN NUTRITION INTERVENTION AND HEALTH PROMOTION RESEARCH PROGRAM.</p> <p>Section 1424(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3174(d)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7010. HUMAN NUTRITION INTERVENTION AND HEALTH PROMOTION RESEARCH PROGRAM.</p> <p>Section 1424(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3174(d)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7210. PILOT RESEARCH PROGRAM TO COMBINE MEDICAL AND AGRICULTURAL RESEARCH.</p> <p>Section 1424A(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3174a(d)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7011. PILOT RESEARCH PROGRAM TO COMBINE MEDICAL AND AGRICULTURAL RESEARCH.</p> <p>Section 1424A(d) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3174a(d)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7211. NUTRITION EDUCATION PROGRAM.</p> <p>Section 1425(c)(3) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175(c)(3)) is amended by striking “2007” and inserting “2012”.</p> <p><i>* Note: comparable to Sec.7604 of H.R.2419, Sec.7012 of the Senate amendment</i></p>	<p>No comparable provision.</p>
<p>SEC. 7212. CONTINUING ANIMAL HEALTH AND DISEASE RESEARCH PROGRAMS.</p> <p>Section 1433(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3195(a)) is amended in the first sentence by striking “2007” and inserting “2012”.</p>	<p>SEC. 7014. CONTINUING ANIMAL HEALTH AND DISEASE RESEARCH PROGRAMS.</p> <p>Section 1433(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3195(a)) is amended in the first sentence by striking `2007' and inserting `2012'.</p>
<p>SEC. 7213. COOPERATION AMONG ELIGIBLE INSTITUTIONS.</p> <p>Section 1433 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 is amended by adding at the end the following new subsection:</p>	<p>No comparable provision.</p>

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<p>“(g) COOPERATION AMONG ELIGIBLE INSTITUTIONS.—The Secretary, to the maximum extent practicable, shall encourage eligible institutions to cooperate in setting research priorities under this section through the conduct of regular regional and national meetings.”.</p>	
<p>SEC. 7214. APPROPRIATIONS FOR RESEARCH ON NATIONAL OR REGIONAL PROBLEMS.</p> <p>Section 1434(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3196(a)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7015. APPROPRIATIONS FOR RESEARCH ON NATIONAL OR REGIONAL PROBLEMS.</p> <p>Section 1434(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3196(a)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7215. AUTHORIZATION LEVEL OF EXTENSION AT 1890 LAND-GRANT COLLEGES.</p> <p>Section 1444(a)(2) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221(a)(2)) is amended by striking “15 percent” and inserting “20 percent”.</p>	<p>SEC. 7017. AUTHORIZATION LEVEL FOR EXTENSION AT 1890 LAND-GRANT COLLEGES.</p> <p>Section 1444(a)(2) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221(a)(2)) is amended by striking `15 percent' and inserting `20 percent'.</p>
<p>SEC. 7216. AUTHORIZATION LEVEL FOR AGRICULTURAL RESEARCH AT 1890 LAND-GRANT COLLEGES.</p> <p>Section 1445(a)(2) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222(a)(2)) is amended by striking “25 percent” and inserting “30 percent”.</p>	<p>SEC. 7018. AUTHORIZATION LEVEL FOR AGRICULTURAL RESEARCH AT 1890 LAND-GRANT COLLEGES.</p> <p>Section 1445(a)(2) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222(a)(2)) is amended by striking `25 percent' and inserting `30 percent'.</p>
<p>SEC. 7217. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT THE DISTRICT OF COLUMBIA LAND GRANT UNIVERSITY.</p> <p>The National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.) is amended by inserting after section 1447 the following:</p> <p>“SEC. 1447A. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT THE DISTRICT OF COLUMBIA LAND GRANT UNIVERSITY.</p> <p>“(a) PURPOSE.—It is declared to be the intent of Congress to assist the land grant university in the District of Columbia, as established under section 208 of the District of Columbia Public Postsecondary Education Reorganization Act of October 26, 1974 (Public Law 93–471) in efforts to acquire, alter, or repair facilities or relevant equipment necessary for conducting agricultural research.</p>	<p>SEC. 7020. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT THE DISTRICT OF COLUMBIA LAND GRANT UNIVERSITY.</p> <p>The National Agricultural Research, Extension, and Teaching Policy Act of 1977 is amended by inserting after section 1447 (7 U.S.C. 3222b) the following:</p> <p>`SEC. 1447A. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT THE DISTRICT OF COLUMBIA LAND GRANT UNIVERSITY.</p> <p>`(a) Purpose- It is the intent of Congress to assist the land grant university in the District of Columbia established under section 208 of the District of Columbia Public Postsecondary Education Reorganization Act (Public Law 93-471; 88 Stat. 1428) in efforts to acquire, alter, or repair facilities or relevant equipment necessary for</p>

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<p>“(b) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated for the purposes of carrying out the provisions of this section \$750,000 for each of fiscal years 2008 through 2012.”.</p>	<p>conducting agricultural research.</p> <p>`(b) Authorization of Appropriations- There are authorized to be appropriated to carry out this section \$750,000 for each of fiscal years 2008 through 2012.'.</p>
<p>SEC. 7218. GRANTS TO UPGRADE AGRICULTURAL AND FOOD SCIENCES FACILITIES AT 1890 LAND-GRANT COLLEGES, INCLUDING TUSKEGEE UNIVERSITY.</p> <p>Section 1447(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222b(b)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7019. GRANTS TO UPGRADE AGRICULTURAL AND FOOD SCIENCES FACILITIES AT 1890 LAND-GRANT COLLEGES, INCLUDING TUSKEGEE UNIVERSITY.</p> <p>Section 1447(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222b(b)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7219. NATIONAL RESEARCH AND TRAINING VIRTUAL CENTERS.</p> <p>Section 1448 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222c) is amended by striking “2007” each place it appears in subsections (a)(1) and (f) and inserting “2012”.</p>	<p>SEC. 7021. NATIONAL RESEARCH AND TRAINING VIRTUAL CENTERS.</p> <p>Section 1448 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222c) is amended by striking `2007' each place it appears in subsections (a)(1) and (f) and inserting `2012'.</p>
<p>SEC. 7220. MATCHING FUNDS REQUIREMENT FOR RESEARCH AND EXTENSION ACTIVITIES OF 1890 INSTITUTIONS.</p> <p>Section 1449(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222d(c)) is amended in the first sentence by striking “for each of fiscal years 2003 through 2007,”.</p>	<p>SEC. 7022. MATCHING FUNDS REQUIREMENT FOR RESEARCH AND EXTENSION ACTIVITIES OF 1890 INSTITUTIONS.</p> <p>Section 1449(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222d(c)) is amended in the first sentence by striking `2007' and inserting `2012.'.</p>
<p>SEC. 7221. HISPANIC-SERVING INSTITUTIONS.</p> <p>Section 1455(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241(c)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7023. HISPANIC-SERVING INSTITUTIONS.</p> <p>Section 1455 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3241) is amended—</p> <p>(1) in subsection (a) by striking `(or grants without regard to any requirement for competition)';</p> <p>(2) in subsection (b)—</p> <p>(A) in paragraph (1), by striking `of consortia';</p>

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(B) in paragraph (3), by striking ` , beginning with the mentoring of students' and all that follows through `doctoral degree'; and

(C) in paragraph (4)—

(i) by striking `2 or more'; and

(ii) by striking ` , or between Hispanic-serving' and all that follows through `the private sector,'; and

(3) in subsection (c)—

(A) by striking `\$20,000,000' and inserting `\$40,000,000'; and

(B) by striking `2007' and inserting `2012'.

SEC. 7222. HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES.

(a) **IN GENERAL.**—The National Agricultural Research, Extension and Teaching Policy Act of 1977 is amended by inserting after section 1455 the following:

“SEC. 1456. HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES.

“(a) **DEFINITIONS.**—As used in this section:

“(1) **ENDOWMENT FUND.**—The term ‘endowment fund’ means the Hispanic-Serving Agricultural Colleges and Universities Fund established under subsection (b).

“(2) **HISPANIC-SERVING AGRICULTURAL COLLEGE AND UNIVERSITIES.**—The term ‘Hispanic-serving agricultural colleges and universities’ means a college or university that—

“(A) qualifies as a ‘Hispanic-serving institution’; and

“(B) offers associate, bachelor’s, or other accredited degree programs in agriculture-related fields, as determined by the Secretary.

“(b) **ENDOWMENT.**—

“(1) **IN GENERAL.**—In accordance with this subsection, the Secretary of the Treasury shall establish a Hispanic-Serving Agricultural Colleges and Universities Fund. The Secretary of the Treasury may enter into such agreements

SEC. 7024. HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES.

(a) **In General-** The National Agricultural Research, Extension and Teaching Policy Act of 1977 is amended by inserting after section 1455 (7 U.S.C. 3241) the following:

“SEC. 1456. HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES.

“(a) **Definition of Endowment Fund-** In this section, the term ‘endowment fund’ means the Hispanic-Serving Agricultural Colleges and Universities Fund established under subsection (b).

“(b) **Endowment-**

“(1) **IN GENERAL-** The Secretary of the Treasury shall establish in accordance with this subsection a Hispanic-Serving Agricultural Colleges and Universities Fund.

“(2) **AGREEMENTS-** The Secretary of the Treasury may enter into such agreements as are necessary to carry out this subsection.

“(3) **DEPOSIT TO THE ENDOWMENT FUND-** The Secretary of the Treasury shall deposit in the endowment fund any—

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as are necessary to carry out this subsection.

“(2) **DEPOSIT TO THE ENDOWMENT FUND.**—The Secretary of the Treasury shall deposit in the endowment fund any—

“(A) amounts made available through Acts of appropriations, which shall be the endowment fund corpus; and

“(B) interest earned on the endowment fund corpus.

“(3) **INVESTMENTS.**—The Secretary of the Treasury shall invest the endowment fund corpus and income in interest-bearing obligations of the United States.

“(4) **WITHDRAWALS AND EXPENDITURES.**—The Secretary of the Treasury may not make a withdrawal or expenditure from the endowment fund corpus. On September 30, 2008, and each September 30 thereafter, the Secretary of the Treasury shall withdraw the amount of the income from the endowment fund for the fiscal year and warrant the funds to the Secretary who, after making adjustments for the cost of administering the endowment fund, shall distribute the adjusted income as follows:

“(A) 60 percent distributed among the Hispanic-serving agricultural colleges and universities on a pro rata basis based on each institution’s Hispanic enrollment count.

“(B) 40 percent distributed in equal shares to the Hispanic-serving agricultural colleges and universities.

“(5) **AUTHORIZATION OF APPROPRIATIONS.**—

“(A) **IN GENERAL.**—For fiscal year 2008, and for each fiscal year thereafter, there is authorized to be appropriated to the Department of Agriculture an amount equal to—

“(i) \$80,000; multiplied by

“(ii) the number of Hispanic-serving agricultural colleges and universities.

“(B) **PAYMENTS.**—For fiscal year 2008, and for each fiscal year thereafter, the Secretary shall pay to the treasurer of each Hispanic-Serving agricultural college and university an amount equal to—

“(i) the total amount made available by appropriations pursuant

“(A) amounts made available through Acts of appropriations, which shall be the endowment fund corpus; and

“(B) interest earned on the endowment fund corpus.

“(4) **INVESTMENTS-** The Secretary of the Treasury shall invest the endowment fund corpus and income in interest-bearing obligations of the United States.

“(5) **WITHDRAWALS AND EXPENDITURES-**

“(A) **CORPUS-** The Secretary of the Treasury may not make a withdrawal or expenditure from the endowment fund corpus.

“(B) **WITHDRAWALS-** On September 30, 2008, and each September 30 thereafter, the Secretary of the Treasury shall withdraw the amount of the income from the endowment fund for the fiscal year and warrant the funds to the Secretary of Agriculture who, after making adjustments for the cost of administering the endowment fund, shall distribute the adjusted income as follows:

“(i) 60 percent shall be distributed among the Hispanic-serving agricultural colleges and universities on a pro rata basis based on the Hispanic enrollment count of each institution.

“(ii) 40 percent shall be distributed in equal shares to the Hispanic-serving agricultural colleges and universities.

“(6) **ENDOWMENTS-** Amounts made available under this subsection shall be held and considered to be granted to Hispanic-serving agricultural colleges and universities to establish an endowment in accordance with this subsection.

“(7) **AUTHORIZATION OF APPROPRIATIONS-** There are authorized to be appropriated to the Secretary such sums as are necessary to carry out this subsection for fiscal year 2008 and each fiscal year thereafter.

“(c) **Authorization for Annual Payments-**

“(1) **IN GENERAL-** For fiscal year 2008 and each fiscal year thereafter, there are authorized to be appropriated to the Department of Agriculture to carry out this subsection an amount equal to the product obtained by multiplying—

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to paragraph (1); divided by

“(ii) the number of Hispanic-serving agricultural colleges and universities.

“(C) **USE OF FUNDS.**—Amounts authorized to be appropriated under this subsection shall be used in the same manner as is prescribed for colleges under the Act of August 30, 1890 (commonly known as the Second Morrill Act), and except as otherwise provided in this subsection, the requirements of such Act shall apply to the Hispanic-serving agricultural colleges and universities.

“(D) Amounts appropriated pursuant to this paragraph shall be held and considered to have been granted to Hispanic-serving agricultural colleges and universities to establish an endowment pursuant to subsection (b).

“(c) **INSTITUTIONAL CAPACITY BUILDING GRANTS.**—

“(1) **PURPOSE AND ALLOWABLE USES.**—For fiscal year 2008, and for each fiscal year thereafter, the Secretary shall make institutional capacity building grants to assist Hispanic-serving agricultural colleges and universities not including alteration, repair, renovation, or construction of buildings.

“(2) **CRITERIA FOR INSTITUTIONAL CAPACITY BUILDING GRANTS.**—

“(A) **REQUIREMENTS FOR GRANTS.**—The Secretary shall make grants under this subsection on the basis of a competitive application process under which Hispanic-serving agricultural colleges and universities may submit applications to the Secretary in such form and manner as the Secretary may prescribe.

“(B) **BROADER PARTICIPATION AND GEOGRAPHIC DIVERSITY.**—All Hispanic-serving agricultural colleges and universities shall be eligible to compete for grants under this subsection.

“(C) **DEMONSTRATION OF NEED.**—The Secretary shall require as part of an application for a grant under this subsection, a demonstration of need based on criteria stated in subsection (b)(5). The Secretary may award a grant under this subsection only to an applicant that demonstrates a failure to obtain funding for a project after making a reasonable effort to otherwise obtain the funding.

`(A) \$80,000; by

`(B) the number of Hispanic-serving agricultural colleges and universities.

`(2) **PAYMENTS-** For fiscal year 2008 and each fiscal year thereafter, the Secretary of the Treasury shall pay to the treasurer of each Hispanic-Serving agricultural college and university an amount equal to—

`(A) the total amount made available by appropriations under subparagraph (A); divided by

`(B) the number of Hispanic-serving agricultural colleges and universities.

`(3) **USE OF FUNDS-**

`(A) **IN GENERAL-** Amounts authorized to be appropriated under this subsection shall be used in the same manner as is prescribed for colleges under the Act of August 30, 1890 (commonly known as the ‘Second Morrill Act’) (7 U.S.C. 321 et seq.).

`(B) **RELATIONSHIP TO OTHER LAW-** Except as otherwise provided in this subsection, the requirements of that Act shall apply to Hispanic-serving agricultural colleges and universities under this section.

`(d) **Institutional Capacity-Building Grants-**

`(1) **IN GENERAL-** For fiscal year 2008 and each fiscal year thereafter, the Secretary shall make grants to assist Hispanic-serving agricultural colleges and universities in institutional capacity building (not including alteration, repair, renovation, or construction of buildings).

`(2) **CRITERIA FOR INSTITUTIONAL CAPACITY-BUILDING GRANTS-**

`(A) **REQUIREMENTS FOR GRANTS-** The Secretary shall make grants under this subsection on the basis of a competitive application process under which Hispanic-serving agricultural colleges and universities may submit applications to the Secretary at such time, in such manner, and containing such information as the Secretary may require.

`(B) **DEMONSTRATION OF NEED-**

`(i) **IN GENERAL-** As part of an application for a grant under this

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“(D) **PAYMENT OF NON-FEDERAL SHARE.**—A grant awarded under this subsection shall be made only if the recipient of the grant pays a non-Federal share in an amount specified by the Secretary and based upon assessed institutional needs.

“(3) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated to the Secretary to carry out this subsection, such sums as are necessary for fiscal year 2008, and for each fiscal year thereafter.

“(d) **COMPETITIVE GRANTS PROGRAM.**—The Secretary shall establish a competitive grants program to fund basic and applied research at Hispanic-serving agricultural colleges and universities in agriculture, human nutrition, food science, bioenergy, and environmental science. There are authorized to be appropriated to the Secretary such sums as are necessary to carry out this subsection for fiscal year 2008 and for each fiscal year thereafter.”.

(b) **EXTENSION FUNDING.**—Section 3 of the Act of May 8, 1914, (commonly known as the Smith-Lever Act), is amended—

(1) in subsection (b), by adding at the end the following new paragraph:

“(4) There are authorized to be appropriated for fiscal year 2008, and for each fiscal year thereafter, such sums as are necessary for the purposes set forth in subparagraph (D). Such sums shall be in addition to the sums appropriated for the several States and Puerto Rico, the Virgin Islands, and Guam under the provisions of this section. Such sums shall be distributed on the basis on a competitive application process to be developed and implemented by the Secretary and paid by the Secretary to the State institutions established in accordance with the provisions of the Act of July 2, 1862 (commonly known as the First Morrill Act) and administered by such institutions through cooperative agreements with the Hispanic-serving agricultural colleges and universities in the States of the institutions in accordance with regulations that the Secretary shall adopt. ”; and

(2) in subsection (f), by inserting “or Hispanic-serving agricultural colleges and universities” after “Institution”.

subsection, the Secretary shall require the applicant to demonstrate need for the grant, as determined by the Secretary.

“(ii) **OTHER SOURCES OF FUNDING-** The Secretary may award a grant under this subsection only to an applicant that demonstrates a failure to obtain funding for a project after making a reasonable effort to otherwise obtain the funding.

“(C) **PAYMENT OF NON-FEDERAL SHARE-** A grant awarded under this subsection shall be made only if the recipient of the grant pays a non-Federal share in an amount that is specified by the Secretary and based on assessed institutional needs.

“(3) **AUTHORIZATION OF APPROPRIATIONS-** There are authorized to be appropriated to the Secretary such sums as are necessary to carry out this subsection for fiscal year 2008 and each fiscal year thereafter.

“(e) **Competitive Grants Program-**

“(1) **IN GENERAL-** The Secretary shall establish a competitive grants program to fund fundamental and applied research at Hispanic-serving agricultural colleges and universities in agriculture, human nutrition, food science, bioenergy, and environmental science.

“(2) **AUTHORIZATION OF APPROPRIATIONS-** There are authorized to be appropriated to the Secretary such sums as are necessary to carry out this subsection for fiscal year 2008 and each fiscal year thereafter.’.

(b) **Extension-** Section 3 of the Smith-Lever Act (7 U.S.C. 343) is amended—

(1) in subsection (b), by adding at the end the following:

“(4) **ANNUAL APPROPRIATION FOR HISPANIC-SERVING AGRICULTURAL COLLEGES AND UNIVERSITIES-**

“(A) **AUTHORIZATION OF APPROPRIATIONS-** There are authorized to be appropriated to the Secretary such sums as are necessary to carry out this paragraph for fiscal year 2008 and each fiscal year thereafter.

“(B) **ADDITIONAL AMOUNT-** Amounts made available under this

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paragraph shall be in addition to any other amounts made available under this section to States, the Commonwealth of Puerto Rico, or any other territory or possession of the United States.

“(C) ADMINISTRATION- Amounts made available under this paragraph shall be—

“(i) distributed on the basis of a competitive application process to be developed and implemented by the Secretary and paid by the Secretary to the State institutions established in accordance with the Act of July 2, 1862 (commonly known as the ‘First Morrill Act’) (7 U.S.C. 301 et seq.); and

“(ii) administered by State institutions through cooperative agreements with the Hispanic-serving agricultural colleges and universities (as defined in section 1456 of the National Agricultural Research, Extension and Teaching Policy Act of 1977) in the State in accordance with regulations promulgated by the Secretary.’; and

(2) in subsection (f)—

(A) in the subsection heading, by inserting ‘and Hispanic-Serving Agricultural Colleges and Universities’ after ‘1994 Institutions’; and

(B) by striking ‘pursuant to subsection (b)(3)’ and inserting ‘or Hispanic-serving agricultural colleges and universities in accordance with paragraphs (3) and (4) of subsection (b)’.

SEC. 7223. INTERNATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND EDUCATION.

Section 1458(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3291(a)) is amended—

(1) in paragraph (1)—

(A) in subparagraph (A), by striking “and” after the semicolon;

(B) in subparagraph (B), by adding “and” at the end; and

(C) by adding at the end the following:

“(C) giving priority to those institutions with existing memorandums of

SEC. 7025. INTERNATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND EDUCATION.

Section 1458(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3291(a)) is amended—

(1) in paragraph (1)—

(A) in subparagraph (A), by striking ‘and’ after the semicolon;

(B) in subparagraph (B), by adding ‘and’ at the end; and

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<p>understanding, agreements, or other formal ties to United States institutions, or State or Federal agencies;”;</p> <p>(2) in paragraph (3), by inserting “Hispanic-serving agricultural colleges and universities,” after “universities, as defined in section 1456 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3289),”;</p> <p>(3) in paragraph (7)(A), by striking “and land-grant colleges and universities” and inserting “, land-grant colleges and universities, and Hispanic-serving agricultural colleges and universities, as defined in section 1456 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3289)”;</p> <p>(4) in paragraph (9)(A), by striking “or other colleges and universities” and inserting “, or other colleges and universities, or Hispanic-serving agricultural colleges and universities, as defined in section 1456 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3289)”;</p> <p>(5) by adding at the end the following:</p> <p>“(11) establish a program for the purpose of providing fellowships to United States or foreign students to study at foreign agricultural colleges and universities working under agreements provided for under paragraph (3).”.</p>	<p>(C) by adding at the end the following:</p> <p>“(C) giving priority to those institutions with existing memoranda of understanding, agreements, or other formal ties to United States institutions, or Federal or State agencies;”;</p> <p>(2) in paragraph (3), by inserting ‘Hispanic-serving agricultural colleges and universities,’ after ‘universities,’;</p> <p>(3) in paragraph (7)(A), by striking ‘and land-grant colleges and universities’ and inserting ‘, land-grant colleges and universities, and Hispanic-serving agricultural colleges and universities’;</p> <p>(4) in paragraph (9)—</p> <p>(A) in subparagraph (A), by striking ‘or other colleges and universities’ and inserting ‘, Hispanic-serving agricultural colleges and universities, or other colleges and universities’; and</p> <p>(B) in subparagraph (D), by striking ‘and’ at the end;</p> <p>(5) in paragraph (10), by striking the period at the end and inserting ‘; and’; and</p> <p>(6) by adding at the end the following:</p> <p>“(11) establish a program for the purpose of providing fellowships to United States or foreign students to study at foreign agricultural colleges and universities working under agreements provided for under paragraph (3).”.</p>
<p>SEC. 7224. COMPETITIVE GRANTS FOR INTERNATIONAL AGRICULTURAL SCIENCE AND EDUCATION PROGRAMS.</p> <p>Section 1459A(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3292b(c)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7026. COMPETITIVE GRANTS FOR INTERNATIONAL AGRICULTURAL SCIENCE AND EDUCATION PROGRAMS.</p> <p>Section 1459A(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3292b(c)) is amended by striking ‘2007’ and inserting ‘2012’.</p>
<p>SEC. 7225. LIMITATION ON INDIRECT COSTS FOR AGRICULTURAL RESEARCH, EDUCATION, AND EXTENSION PROGRAMS.</p> <p>Section 1462(a) of the National Agriculture Research, Extension, and Teaching Policy Act</p>	<p>SEC. 7027. INDIRECT COSTS.</p> <p>Section 1462(a) of the National Agricultural Research, Extension, and Teaching Policy</p>

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<p>of 1977 (7 U.S.C. 3310(a)) is amended by striking “a competitive” and inserting “any”.</p>	<p>Act of 1977 (7 U.S.C. 3310(a)) is amended by striking `shall not exceed 19 percent' and inserting `shall be the negotiated indirect rate of cost established for an institution by the appropriate Federal audit agency for the institution, not to exceed 30 percent'.</p>
<p>SEC. 7226. RESEARCH EQUIPMENT GRANTS.</p> <p>Section 1462A(e) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310a(e)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7028. RESEARCH EQUIPMENT GRANTS.</p> <p>Section 1462A(e) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310a(e)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7227. UNIVERSITY RESEARCH.</p> <p>Section 1463 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3311) is amended by striking “2007” each place it appears in subsections (a) and (b) and inserting “2012”.</p>	<p>SEC. 7029. UNIVERSITY RESEARCH.</p> <p>Section 1463 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3311) is amended by striking `2007' each place it appears in subsections (a) and (b) and inserting `2012'.</p>
<p>SEC. 7228. EXTENSION SERVICE.</p> <p>Section 1464 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3312) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7030. EXTENSION SERVICE.</p> <p>Section 1464 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3312) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7229. SUPPLEMENTAL AND ALTERNATIVE CROPS.</p> <p>Section 1473D(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3319d(a)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7032. SUPPLEMENTAL AND ALTERNATIVE CROPS.</p> <p>Section 1473D(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3319d(a)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7230. AQUACULTURE ASSISTANCE PROGRAMS.</p> <p>Section 1477 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3324) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7033. AQUACULTURE RESEARCH FACILITIES.</p> <p>(a) Fish Disease Program- Section 1475(f) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3322(f)) is amended—</p> <ul style="list-style-type: none">(1) by striking `The Secretary' and inserting the following: ` (1) IN GENERAL- The Secretary'; and(2) by adding at the end the following:

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`(2) VIRAL HEMORRHAGIC SEPTICEMIA-

`(A) IN GENERAL- The study of viral hemorrhagic septicemia (referred to in this paragraph as `VHS') and VHS management shall be considered an area of priority research under this subsection.

`(B) CONSULTATION-

`(i) IN GENERAL- The Secretary shall consult with appropriate directors of State and tribal natural resource management and agriculture agencies in areas that are VHS positive as of the date of enactment of this paragraph to develop and implement a comprehensive set of priorities for managing VHS, including providing funds for research into the spread and control of the disease, surveillance, monitoring, risk evaluation, enforcement, screening, education and outreach, and management.

`(ii) CONSIDERATION- The Secretary shall provide special consideration to the recommendations of the directors described in clause (i) in the development of the VHS priorities.'

(b) Authorization of Appropriations- Section 1477 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3324) is amended by striking `2007' and inserting `2012'.

SEC. 7231. RANGELAND RESEARCH.

Section 1483(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3336(a)) is amended by striking “2007” and inserting “2012”.

SEC. 7034. RANGELAND RESEARCH.

(a) Grants- Section 1480(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3333(a)) is amended—

(1) in paragraph (1), by striking `; and' and inserting a semicolon;

(2) in paragraph (2), by striking the period at the end and inserting `; and'; and

(3) by adding at the end the following:

`(3) pilot programs to coordinate and conduct collaborative projects to address natural resources management issues and facilitate the collection of information and analysis to provide Federal and State agencies, private landowners, and the public with information to allow for improved management of public and private

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	<p>rangeland.'</p> <p>(b) Matching Requirements- Section 1480(b)(2) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3333(b)(2)) is amended by striking `subsection (a)(2)' and inserting `paragraph (2) or (3) of subsection (a)'. (c) Authorization of Appropriations- Section 1483(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3336(a)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7232. SPECIAL AUTHORIZATION FOR BIOSECURITY PLANNING AND RESPONSE.</p> <p>Section 1484(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3351(a)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7035. SPECIAL AUTHORIZATION FOR BIOSECURITY PLANNING AND RESPONSE.</p> <p>Section 1484(a) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3351(a)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7233. RESIDENT INSTRUCTION AND DISTANCE EDUCATION GRANTS PROGRAM FOR INSULAR AREA INSTITUTIONS OF HIGHER EDUCATION.</p> <p>(a) DISTANCE EDUCATION GRANTS FOR INSULAR AREAS.—Section 1490(f) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362(f)) is amended by striking “2007” and inserting “2012”.</p> <p>(b) RESIDENT INSTRUCTION GRANTS FOR INSULAR AREAS.—Section 1491 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363) is amended—</p> <p>(1) by redesignating subsection (e) as subsection (c); and</p> <p>(2) in subsection (c) (as so redesignated), by striking “2007” and inserting “2012”.</p>	<p>SEC. 7036. RESIDENT INSTRUCTION AND DISTANCE EDUCATION GRANTS PROGRAM FOR INSULAR AREA INSTITUTIONS OF HIGHER EDUCATION.</p> <p>(a) Distance Education Grants for Insular Areas- Section 1490(f) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3362(f)) is amended by striking `2007' and inserting `2012'.</p> <p>(b) Resident Instruction Grants for Insular Areas- Section 1491 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3363) is amended—</p> <p>(1) by redesignating subsection (e) as subsection (c); and</p> <p>(2) in subsection (c) (as so redesignated), by striking `2007' and inserting `2012'.</p>
<p>SEC. 7234. HISPANIC SERVING INSTITUTIONS.</p> <p>The text of section 1404 of the Research Act of 1977 is amended to read as follows: “The term ‘Hispanic Serving Institution’ has the meaning given that term in section 502(a)(5) of the Higher Education Act of 1965 (20 U.S.C. 1101a(a)(5)).”.</p>	<p>SEC. 7001. DEFINITIONS.</p> <p><i>(for complete section, see SEC. 7401 of the Senate Amendment, SEC. 7101 of H.R. 2419)</i></p> <p>`(11) HISPANIC-SERVING INSTITUTION- The term `Hispanic-serving institution' has the meaning given the term in section 502(a) of the Higher Education Act of 1965 (20 U.S.C. 1101a(a)).'</p>
<p>SEC. 7235. SPECIALTY CROPS POLICY RESEARCH INSTITUTE.</p>	

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Section 1419A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3155) is amended by adding at the end the following:

“(e) **SPECIALTY CROPS POLICY RESEARCH INSTITUTE.**—

“(1) **ESTABLISHMENT.**—The Food Agricultural Policy Research Institute shall establish a satellite institute, called the Specialty Crops Policy Research Institute, hereinafter referred to as the Institute, at accredited research universities within States with significant specialty crop industries to fulfill the objectives described in subsection (e)(3) of this section.

“(2) **MANAGEMENT.**—The Institute shall be coordinated and managed by an appointed university and will have the discretion to coordinate and facilitate the Institute’s economic and policy research activities and those of additional member universities and institutions.

“(3) **INSTITUTE OBJECTIVES.**—Consistent with the provisions of subsections (a) and (c) of this section, the Institute shall—

“(A) produce and disseminate analysis of the specialty crop sector, including the impact of changes in domestic and international markets, production, new product technologies, web-based risk management tools, alternative policies and macroeconomic conditions on specialty crop production, use, farm and retail prices, and farm income and financial stability from a national, regional, and farm-level perspective; and

“(B) produce and disseminate an annual review of the economic state of the specialty crop industry nationally, regionally, and by-state.

“(4) **AUTHORIZATION OF APPROPRIATION.**—There are authorized to be appropriated such sums as are necessary in each fiscal year through 2012 to carry out this section.”.

No comparable provision.

SEC. 7236. EMPHASIS OF HUMAN NUTRITION INITIATIVE.

Section 1424(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3174(b)) is amended—

(1) in paragraph (1), by striking “and,”;

(2) in paragraph (2), by striking the comma and inserting “; and”; and

(3) by adding at the end the following:

No comparable provision.

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<p>“(3) proposals that examine the efficacy of current agriculture policies in promoting the health and welfare of economically disadvantaged populations,”.</p>	
<p>SEC. 7237. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AT INSULAR AREA LAND-GRANT INSTITUTIONS.</p> <p>The National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.) is amended by inserting after section 1447A the following:</p> <p>“SEC. 1447B. GRANTS TO UPGRADE AGRICULTURE AND FOOD SCIENCES FACILITIES AND EQUIPMENT AT INSULAR AREA LAND-GRANT INSTITUTIONS.</p> <p>“(a) PURPOSE.—It is declared to be the intent of Congress to assist the land grant institutions in the insular areas in efforts to acquire, alter, or repair facilities or relevant equipment necessary for conducting agricultural research.</p> <p>“(b) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated for the purposes of carrying out the provisions of this section \$8,000,000 for each of fiscal years 2008 through 2012.</p> <p>“(c) METHOD OF AWARDING GRANTS.—Grants awarded pursuant to this section shall be made in such amounts and under such terms and conditions as the Secretary shall determine necessary for carrying out the purposes of this section.</p> <p>“(d) REGULATIONS.—The Secretary may promulgate such rules and regulations as the Secretary may consider necessary to carry out the provisions of this section.”.</p>	<p>No comparable provision.</p>
<p>No comparable provision.</p>	<p>SEC. 7003. VETERINARY MEDICINE LOAN REPAYMENT.</p> <p>Section 1415A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3151a) is amended—</p> <p>(1) by redesignating subsection (d) as subsection (g); and</p> <p>(2) by inserting after subsection (c) the following:</p> <p>(3)</p> <p>(d) Initial Implementation- To address the urgent security concerns of the United States with respect to public health, bioterrorism preparedness, and food supply security, in implementing the first phase of the veterinary medicine loan repayment program, the Secretary shall give priority to large and mixed animal practitioner shortages in rural</p>

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	<p>communities.</p> <p>`(e) Use of Funds- None of the funds appropriated to the Secretary under subsection (g) may be used to carry out section 5379 of title 5, United States Code.</p> <p>`(f) Regulations- Notwithstanding subchapter II of chapter 5 of title 5, United States Code, not later than 270 days after the date of enactment of this subsection, the Secretary shall promulgate regulations to carry out this section.'</p>
<p>No comparable provision.</p>	<p>SEC. 7006. EXPANSION OF FOOD AND AGRICULTURAL SCIENCES AWARDS.</p> <p>Section 1417(i) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(i)) is amended—</p> <p>(1) in the subsection heading, by striking `Teaching Awards ' and `Teaching, Extension, and Research Awards'; and</p> <p>(2) by striking paragraph (1) and inserting the following:</p> <p>`(1) ESTABLISHMENT-</p> <p style="padding-left: 40px;">`(A) IN GENERAL- The Secretary shall establish a National Food and Agricultural Sciences Teaching, Extension, and Research Awards program to recognize and promote excellence in teaching, extension, and research in the food and agricultural sciences at a college or university.</p> <p style="padding-left: 40px;">`(B) MINIMUM REQUIREMENT- The Secretary shall make at least 1 cash award in each fiscal year to a nominee selected by the Secretary for excellence in each of the areas of teaching, extension, and research of food and agricultural science at a college or university.'</p>
<p>No comparable provision.</p>	<p>SEC. 7013. PURPOSES AND FINDINGS RELATING TO ANIMAL HEALTH AND DISEASE RESEARCH.</p> <p>Section 1429 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3191) is amended—</p> <p>(1) in paragraph (8), by striking `and' at the end;</p>

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	<p>(2) in paragraph (9), by striking the period at the end and inserting `; and'; and</p> <p>(3) by adding at the end the following:</p> <p>`(10) support work with agricultural colleges and universities to develop methods and practices of animal husbandry that ensure the judicious use of antibiotics.'</p>
<p>No comparable provision.</p>	<p>SEC. 7016. ANIMAL HEALTH AND DISEASE RESEARCH PROGRAM.</p> <p>Section 1434(b) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3196(b)) is amended by inserting after `universities' the following: `(including 1890 Institutions (as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601)))'.</p>
<p>No comparable provision.</p>	<p>SEC. 7037. FARM MANAGEMENT TRAINING AND PUBLIC FARM BENCHMARKING DATABASE.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 is amended by inserting after section 1467 (7 U.S.C. 3313) the following:</p> <p>`SEC. 1468. FARM MANAGEMENT TRAINING AND PUBLIC FARM BENCHMARKING DATABASE.</p> <p>`(a) Definitions- In this section:</p> <p>`(1) BENCHMARK, BENCHMARKING- The term `benchmark' or `benchmarking' means the process of comparing the performance of an agricultural enterprise against the performance of other similar enterprises, through the use of comparable and reliable data, in order to identify business management strengths, weaknesses, and steps necessary to improve management performance and business profitability.</p> <p>`(2) FARM MANAGEMENT ASSOCIATION- The term `farm management association' means a public or nonprofit organization or educational program—</p> <p>`(A) the purpose of which is to assist farmers, ranchers, and other agricultural operators to improve financial management and business profitability by providing training on farm financial planning and analysis, record keeping, and other farm management topics; and</p>

`(B) that is affiliated with a land-grant college or university, other institution of higher education, or nonprofit entity.

`(3) NATIONAL FARM MANAGEMENT CENTER- The term `National Farm Management Center' means a land-grant college or university that, as determined by the Secretary—

`(A) has collaborative partnerships with more than 5 farm management associations that are representative of agricultural diversity in multiple regions of the United States;

`(B) has maintained and continues to maintain farm financial analysis software applicable to the production and management of a wide range of crop and livestock agricultural commodities (including some organic commodities);

`(C) has established procedures that enable producers—

`(i) to benchmark the farms of the producers against peer groups; and

`(ii) to query the benchmarking database by location, farm type, farm size, and commodity at the overall business and individual enterprise levels; and

`(D) has provided and continues to provide public online access to farm and ranch financial benchmarking databases.

`(b) Establishment-

`(1) IN GENERAL- The Secretary shall establish a National Farm Management Center to improve the farm management knowledge and skills of individuals directly involved in production agriculture through—

`(A) participation in a farm management education and training program; and

`(B) direct access to a public farm benchmarking database.

`(2) PROPOSALS- The Secretary shall request proposals from appropriate land-

grant colleges and universities for the establishment of a National Farm Management Center in accordance with this section.

`(3) REQUIREMENTS- The National Farm Management Center established under paragraph (1) shall—

`(A) coordinate standardized financial analysis methodologies for use by farmers, ranchers, other agricultural operators, and farm management associations;

`(B) provide the software tools necessary for farm management associations, farmers, ranchers, and other agricultural operators to perform the necessary financial analyses, including the benchmarking of individual enterprises; and

`(C) develop and maintain a national farm financial database to facilitate those financial analyses and benchmarking that is available online to farmers, ranchers, other agricultural operators, farm management associations, and the public.

`(c) Association Designation-

`(1) IN GENERAL- The Secretary shall designate collaborating farm management associations to collaborate with the National Farm Management Center established under this section.

`(2) SELECTION-

`(A) IN GENERAL- The Secretary shall request proposals from farm management associations and make selections in consultation with the National Farm Management Center.

`(B) NATIONAL SCOPE- The National Farm Management Center and the Secretary shall encourage the establishment, nomination, and designation of qualified farm management associations to provide farmers, ranchers, and other agricultural operators in each State with access to the training and benchmarking tools described in this section.

`(3) SELECTION AND DESIGNATION CRITERIA- The designation of each collaborating farm management association shall be based upon—

`(A) in the case of an established farm management association in a State or geographic region—

`(i) working with farmers, ranchers, and other agricultural operators to improve their financial management and business profitability; and

`(ii) contributing farm, ranch, and other agricultural operation financial analysis data to a publicly available online benchmarking database; and

`(B) in the case in which there is no established farm management association in a particular State or geographic region, a farm management association may be designated as a collaborating farm management association if the National Farm Management Center and the Secretary determine that there is a strong likelihood that the association will meet the ongoing requirements described in subsection (d).

`(d) Association Requirements- Each collaborating farm management association designated under subsection (c) and receiving funds under this section shall—

`(1) maintain a farm management education and training program that is open to all agricultural producers;

`(2) provide individualized education to farmers, ranchers, and other agricultural operators on accounting, financial planning, and business management;

`(3) provide an annual farm financial analysis to each participating farmer, rancher, or other agricultural operator;

`(4) use standardized farm business analysis procedures as specified by the National Farm Management Center;

`(5) contribute farm and ranch financial analysis data to the public online benchmarking database in a form and manner determined by the National Farm Management Center; and

`(6) facilitate and encourage producers' sign-up for ongoing multi-year participation in the training and benchmarking programs.

`(e) Limitation on Indirect Costs- Indirect costs charged against funds provided under

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	<p>this section shall not be charged at a rate in excess of the rate at which the applicable institution charged, or could have charged, indirect costs during fiscal year 2007 against funds received as described in section 1462 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310).</p> <p>`(f) Administrative Expenses- Not more than 8 percent of the funds made available to carry out this section may be used for the payment of administrative expenses of the Department of Agriculture in carrying out this section.</p> <p>`(g) Funding- The Secretary shall make available each fiscal year not less than 25 percent of funds appropriated under subsection (h) to the National Farm Management Center designated under subsection (b).</p> <p>`(h) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section.'</p>
<p>No comparable provision.</p>	<p>SEC. 7038. TROPICAL AND SUBTROPICAL AGRICULTURAL RESEARCH.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) is amended by adding at the end the following:</p> <p>`SEC. 1473E. TROPICAL AND SUBTROPICAL AGRICULTURAL RESEARCH.</p> <p>`(a) Definition of Caribbean and Pacific Basins- In this section, the term `Caribbean and Pacific basins', means—</p> <ul style="list-style-type: none"> `(1) the States of Florida and Hawaii; `(2) the Commonwealth of Puerto Rico; `(3) the United States Virgin Islands; `(4) Guam; `(5) American Samoa; `(6) the Commonwealth of the Northern Mariana Islands; `(7) the Federated States of Micronesia;

`(8) the Republic of the Marshall Islands; and

`(9) the Republic of Palau.

`(b) Establishment- The Secretary shall establish a program, to be known as the 'Tropical and Subtropical Agricultural Research Program', to sustain the agriculture and environment of the Caribbean and Pacific basins, by supporting the full range of research relating to food and agricultural sciences in the Caribbean and Pacific basins, with an emphasis on—

`(1) pest management;

`(2) deterring introduction and establishment of invasive species;

`(3) enhancing existing and developing new tropical and subtropical agricultural products; and

`(4) expanding value-added agriculture in tropical and subtropical ecosystems.

`(c) Grants-

`(1) IN GENERAL- In carrying out this section, the Secretary shall provide grants to be awarded competitively to support tropical and subtropical agricultural research in the Caribbean and Pacific basins.

`(2) ELIGIBLE ENTITIES- To be eligible to receive a grant, an entity shall be a land-grant college or university, or affiliated with a land-grant college or university, that is located in any region of the Caribbean and Pacific basin.

`(3) REQUIREMENTS-

`(A) EQUAL AMOUNTS- The total amount of grants provided under this subsection shall be equally divided between the Caribbean and Pacific basins, as determined by the Secretary.

`(B) RESEARCH INFRASTRUCTURE AND CAPABILITY PRIORITY- In providing grants under this subsection, the Secretary shall give priority to projects of eligible entities that—

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	<p>`(i) expand the infrastructure and capability of the region of the eligible entity;</p> <p>`(ii) scientifically and culturally address regional agricultural and environmental challenges; and</p> <p>`(iii) sustain agriculture in the region of the eligible entity.</p> <p>`(C) TERM- The term of a grant provided under this subsection shall not exceed 5 years.</p> <p>`(D) PROHIBITIONS- A grant provided under this subsection shall not be used for the planning, repair, rehabilitation, acquisition, or construction of any building or facility.</p> <p>`(d) Funding-</p> <p>`(1) SET-ASIDE- Not less than 25 percent of the funds made available to carry out this section during a fiscal year shall be used to support programs and services that—</p> <p>`(A) address the pest management needs of a region in the Caribbean and Pacific basins; or</p> <p>`(B) minimize the impact to a region in the Caribbean and Pacific basins of invasive species.</p> <p>`(2) ADMINISTRATIVE COSTS- The Secretary shall use not more than 4 percent of the funds made available under subsection (e) for administrative costs incurred by the Secretary in carrying out this section.</p> <p>`(e) Authorization of Appropriations- There are authorized to be appropriated to the Secretary to carry out this section such sums as are necessary for each of fiscal years 2008 through 2012.'</p>
No comparable provision.	<p>SEC. 7039. REGIONAL CENTERS OF EXCELLENCE.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7036) is amended by adding at the end the following:</p>

SEC. 1473F. REGIONAL CENTERS OF EXCELLENCE.

(a) Purposes- The purposes of this section are—

(1) to authorize regional centers of excellence for specific agricultural commodities; and

(2) to develop a national, coordinated program of research, teaching, and extension for commodities that will—

(A) be cost effective by reducing duplicative efforts regarding research, teaching, and extension;

(B) leverage available resources by using public/private partnerships among industry groups, institutions of higher education, and the Federal Government;

(C) increase the economic returns to agricultural commodity industries by identifying, attracting, and directing funds to high-priority industry issues; and

(D) more effectively disseminate industry issue solutions to target audiences through web-based extension information, instructional courses, and educational or training modules.

(b) Definitions- In this section:

(1) AGRICULTURAL COMMODITY- The term 'agricultural commodity' has the meaning given the term in section 513 of the Commodity Promotion, Research, and Information Act of 1996 (7 U.S.C. 7412).

(2) LAND-GRANT COLLEGES AND UNIVERSITIES- The term 'land-grant colleges and universities' means—

(A) 1862 Institutions (as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601));

(B) 1890 Institutions (as defined in section 2 of that Act); and

`(C) 1994 Institutions (as defined in section 2 of that Act).

`(c) Establishment-

`(1) ORIGINAL COMPOSITION- The Secretary shall establish regional centers of excellence for specific agricultural commodities that are each comprised of—

`(A) a lead land-grant college or university; and

`(B) 1 or more member land-grant colleges and universities that provide financial support to the regional center of excellence.

`(2) BOARD OF DIRECTORS- Each regional center of excellence shall be administered by a board of directors consisting of 15 members, as determined by the lead and member land-grant colleges and universities of the center.

`(3) ADDITIONAL DIRECTORS AND INSTITUTIONS- Each board of directors of a regional center of excellence may—

`(A) designate additional land-grant colleges and universities as members of the center; and

`(B) designate representatives of the additional land-grant colleges and universities and agriculture industry groups to be additional members of the board of directors.

`(d) Programs- Each regional center of excellence shall achieve the purposes of this section through—

`(1) research initiatives focused on issues pertaining to the specific agricultural commodity;

`(2) teaching initiatives at lead and member land-grant colleges and universities to provide intensive education relating to the specific agricultural commodity; and

`(3) extension initiatives focusing on an internet-based information gateway to provide for relevant information development, warehousing, and delivery.

`(e) Funding-

`(1) IN GENERAL- Each regional center of excellence shall be funded through the use of—

`(A) grants made by the Secretary; and

`(B) matching funds provided by land-grant colleges and universities and agriculture industry groups.

`(2) PROCESS- The board of directors of each regional center of excellence shall have the responsibility for submitting grant proposals to the Secretary to carry out the research, education, and extension program activities described in subsection (d).

`(3) TERM OF GRANT- The term of a grant under this subsection may not exceed 5 years.

`(f) Poultry Sustainability Center of Excellence-

`(1) IN GENERAL- The Secretary shall establish a poultry sustainability center of excellence—

`(A) to identify challenges and develop solutions to enhance the economic and environmental sustainability of the poultry industry in the southwest region of the United States;

`(B) to research, develop, and implement programs—

`(i) to recover energy and other useful products from poultry waste;

`(ii) to identify new technologies for the storage, treatment, and use of animal waste; and

`(iii) to assist the poultry industry in ensuring that emissions of animal waste and discharges of the industry are maintained at levels at or below applicable regulatory standards;

`(C) to provide technical assistance, training, applied research, and monitoring to eligible applicants;

`(D) to develop environmentally effective programs in the poultry industry;

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	<p>and</p> <p>`(E) to collaborate with eligible applicants to work with the Federal Government (including Federal agencies) in the development of conservation and watershed programs to help private landowners and agricultural producers meet applicable water quality standards.</p> <p>`(2) REPORTS- Not later than 2 years after the date of enactment of this section, and for each fiscal year thereafter, the Secretary shall submit to Congress a report describing—</p> <p> `(A) each project for which funds are provided under this subsection; and</p> <p> `(B) any advances in technology resulting from the implementation of this subsection.</p> <p>`(g) Authorization of Appropriations- There are authorized to be appropriated to carry out this section such sums as are necessary for each of fiscal years 2008 through 2012.'.</p>
<p>No comparable provision.</p>	<p>SEC. 7040. NATIONAL DROUGHT MITIGATION CENTER.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7037) is amended by adding at the end the following:</p> <p>`SEC. 1473G. NATIONAL DROUGHT MITIGATION CENTER.</p> <p>`(a) In General- The Secretary shall offer to enter into an agreement with the National Drought Mitigation Center, under which the Center shall—</p> <p> `(1) continue to produce the United States Drought Monitor;</p> <p> `(2) maintain a clearinghouse and internet portal on drought; and</p> <p> `(3) develop new drought mitigation and preparedness strategies, responses, models, and methodologies for the agricultural community.</p> <p>`(b) Authorization of Appropriations- There is authorized to be appropriated to carry out this section \$5,000,000 for each fiscal year.'.</p>

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No comparable provision.

SEC. 7041. AGRICULTURAL DEVELOPMENT IN THE AMERICAN-PACIFIC REGION.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7038) is amended by adding at the end the following:

SEC. 1473H. AGRICULTURAL DEVELOPMENT IN THE AMERICAN-PACIFIC REGION.

(a) Definitions- In this section:

(1) AMERICAN-PACIFIC REGION- The term 'American-Pacific region' means the region encompassing—

- (A) American Samoa;
- (B) Guam;
- (C) the Commonwealth of the Northern Mariana Islands;
- (D) the Federated States of Micronesia;
- (E) the Republic of the Marshall Islands;
- (F) the Republic of Palau;
- (G) the State of Hawaii; and
- (H) the State of Alaska.

(2) CONSORTIUM- The term 'consortium' means a collaborative group that—

- (A) is composed of each eligible institution; and
- (B) submits to the Secretary an application for a grant under subsection (b)(2).

(3) ELIGIBLE INSTITUTION- The term 'eligible institution' means a land-grant college or university that is located in the American-Pacific region.

^(b) Agricultural Development in the American Pacific Grants-

^(1) IN GENERAL- The Secretary may make grants to a consortium of eligible institutions to carry out integrated research, extension, and instruction programs in support of food and agricultural sciences.

^(2) APPLICATION- To receive a grant under paragraph (1), a consortium of eligible institutions shall submit to the Secretary an application that includes—

^(A) for each eligible institution, a description of each objective, procedure, and proposed use of funds relating to any funds provided by the Secretary to the consortium under paragraph (1); and

^(B) the method of allocation proposed by the consortium to distribute to each eligible institution any funds provided by the Secretary to the consortium under paragraph (1).

^(3) USE OF FUNDS-

^(A) IN GENERAL- An eligible institution that receives funds through a grant under paragraph (1) shall use the funds—

^(i) to acquire the equipment, instrumentation, networking capability, hardware and software, digital network technology, and infrastructure required to integrate research, extension, and instruction programs in the American-Pacific region;

^(ii) to develop and provide support for conducting research, extension, and instruction programs in support of food and agricultural sciences relevant to the American-Pacific region, with special emphasis on—

^(I) the management of pests; and

^(II) the control of the spread of invasive alien species; and

^(iii) to provide leadership development to administrators, faculty, and staff of the eligible institution with responsibility for programs relating to agricultural research, extension, and instruction.

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`(B) PROHIBITED USES- An eligible institution that receives funds through a grant under paragraph (1) may not use the funds for any cost relating to the planning, acquisition, construction, rehabilitation, or repair of any building or facility of the eligible institution.

`(4) GRANT TERM- A grant under paragraph (1) shall have a term of not more than 5 years.

`(5) ADMINISTRATION-

`(A) AUTHORITY OF SECRETARY- The Secretary may carry out this section in a manner that recognizes the different needs of, and opportunities for, each eligible institution.

`(B) ADMINISTRATIVE COSTS- The Secretary shall use not more than 4 percent of the amount appropriated under subsection (d) for a fiscal year to pay administrative costs incurred in carrying out this section.

`(c) No Effect on Distribution of Funds- Nothing in this section affects any basis for distribution of funds by a formula in existence on the date of enactment of this section relating to—

`(1) the Federated States of Micronesia;

`(2) the Republic of the Marshall Islands; or

`(3) the Republic of Palau.

`(d) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'

No comparable provision.

SEC. 7044. FARM AND RANCH STRESS ASSISTANCE NETWORK.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7041) is amended by adding at the end the following:

`SEC. 1473K. FARM AND RANCH STRESS ASSISTANCE NETWORK.

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	<p>`(a) In General- The Secretary, in cooperation with the Secretary of Health and Human Services, shall establish a network, to be known as the `Farm and Ranch Stress Assistance Network' (referred to in this section as the `Network').</p> <p>`(b) Purpose- The purpose the network shall be to provide behavioral health programs to participants in the agricultural sector in the United States.</p> <p>`(c) Grants- The Secretary, in collaboration with the extension service at the National Institute of Food and Agriculture, shall provide grants on a competitive basis to States and nonprofit organizations for use in carrying out pilot projects to achieve the purpose of the Network.</p> <p>`(d) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'.</p>
<p>No comparable provision.</p>	<p>SEC. 7045. RURAL ENTREPRENEURSHIP AND ENTERPRISE FACILITATION PROGRAM.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7042) is amended by adding at the end the following:</p> <p>`SEC. 1473L. RURAL ENTREPRENEURSHIP AND ENTERPRISE FACILITATION PROGRAM.</p> <p>`(a) Definition of Regional Rural Development Center- In this section, the term `regional rural development center' means—</p> <ul style="list-style-type: none">`(1) the North Central Regional Center for Rural Development (or a designee);`(2) the Northeast Regional Center for Rural Development (or a designee);`(3) the Southern Rural Development Center (or a designee); and`(4) the Western Rural Development Center (or a designee). <p>`(b) Projects- The Secretary shall carry out research, extension, and education projects to obtain data, convey knowledge, and develop skills through projects that—</p> <ul style="list-style-type: none">`(1) transfer practical, reliable, and timely information to rural entrepreneurs and rural entrepreneurial development organizations concerning business management, business planning, microenterprise, marketing, entrepreneurial

education and training, and the development of local and regional entrepreneurial systems in rural areas and rural communities;

`(2) provide education, training, and technical assistance to newly-operational and growing rural businesses;

`(3) improve access to diverse sources of capital, such as microenterprise loans and venture capital;

`(4) determine the best methods to train entrepreneurs with respect to preparing business plans, recordkeeping, tax rules, financial management, and general business practices;

`(5) promote entrepreneurship among—

 `(A) rural youth, minority, and immigrant populations;

 `(B) women; and

 `(C) low- and moderate-income rural residents;

`(6) create networks of entrepreneurial support through partnerships among rural entrepreneurs, local business communities, all levels of government, nonprofit organizations, colleges and universities, and other sectors;

`(7) study and facilitate entrepreneurial development systems that best align with the unique needs and strengths of particular rural areas and communities; and

`(8) explore promising strategies for building an integrated system of program delivery to rural entrepreneurs.

`(c) Agreements- To carry out projects under subsection (b), the Secretary shall provide grants to—

 `(1) land-grant colleges and universities, including cooperative extension services, agricultural experiment stations, and regional rural development centers;

 `(2) other colleges and universities;

 `(3) community, junior, technical, and vocational colleges and other 2-year institutions of higher education, and post-secondary business and commerce

schools;

`(4) elementary schools and secondary schools;

`(5) nonprofit organizations; and

`(6) Federal, State, local, and tribal governmental entities.

`(d) Selection and Priority of Projects-

`(1) IN GENERAL- In selecting projects to be carried out under this section, the Secretary shall take into consideration—

`(A) the relevance of the project to the purposes of this section;

`(B) the appropriateness of the design of the project;

`(C) the likelihood of achieving the objectives of the project; and

`(D) the national or regional applicability of the findings and outcomes of the project.

`(2) PRIORITY- In carrying out projects under this section, the Secretary shall give priority to projects that—

`(A) enhance widespread access to entrepreneurial education, including access to such education in community-based settings for low- and moderate-income entrepreneurs and potential entrepreneurs;

`(B) closely coordinate research and education activities, including outreach education efforts;

`(C) indicate the manner in which the findings of the project will be made readily usable to rural entrepreneurs and to rural community leaders;

`(D) maximize the involvement and cooperation of rural entrepreneurs; and

`(E) involve cooperation and partnerships between rural entrepreneurs, nonprofit organizations, entrepreneurial development organizations, educational institutions at all levels, and government agencies at all levels.

`(e) Competitive Basis- Grants under this section shall be awarded on a competitive basis, in accordance with such criteria as the national administrative council established under subsection (j)(1) may establish.

`(f) Term- The term of a grant provided under this section shall be not more than 5 years.

`(g) Limitation- Not more than 20 percent of the total amount of grants provided under this section shall be provided to projects in which cooperative extension services are involved as the sole or lead entity of the project.

`(h) Diversification of Research, Extension, and Education Projects- The Secretary shall carry out projects under this section in areas that the Secretary determines to be broadly representative of the diversity of the rural areas of the United States, and of rural entrepreneurship in the United States, including entrepreneurship involving youth, minority populations, microenterprise, and women, with a focus on nonagricultural businesses or food and agriculturally-based businesses, but not direct agriculture production.

`(i) Administration- The Secretary shall administer projects carried out under this section acting through the Administrator of the National Institute of Food and Agriculture.

`(j) National Administrative Council-

 `(1) ESTABLISHMENT- The Secretary shall establish, in accordance with this subsection, a national administrative council to assist the Secretary in carrying out this section.

 `(2) MEMBERSHIP- The membership of the national administrative council shall include—

 `(A) qualified representatives of entities with demonstrable expertise relating to rural entrepreneurship, including representatives of—

 `(i) the Cooperative State Research, Education, and Extension Service;

 `(ii) the Rural Business-Cooperative Service;

`(iii) the Small Business Administration;

`(iv) regional rural development centers;

`(v) nonprofit organizations;

`(vi) regional and State agencies;

`(vii) cooperative extension services;

`(viii) colleges and universities;

`(ix) philanthropic organizations; and

`(x) Indian tribal governments;

`(B) self-employed rural entrepreneurs and owners of rural small businesses;

`(C) elementary and secondary educators that demonstrate experience in rural entrepreneurship; and

`(D) other persons with experience relating to rural entrepreneurship and the impact of rural entrepreneurship on rural communities.

`(3) RESPONSIBILITIES- In collaboration with the Secretary, the national administrative council established under this subsection shall—

`(A) promote the projects carried out under this section;

`(B) establish goals and criteria for the selection of projects under this section;

`(C)(i) appoint a technical committee to evaluate project proposals to be considered by the council; and

`(ii) make recommendations of the technical committee to the Secretary; and

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`(D) prepare and make publicly available an annual report relating to each applicable project carried out under this section, including a review of projects carried out during the preceding year.

`(4) CONFLICT OF INTEREST- A member of the national administrative council or a technical committee shall not participate in any determination relating to, or recommendation of, a project proposed to be carried out under this section if the member has had any business interest (including the provision of consulting services) in the project or the organization submitting the application.

`(k) Authorization for Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of the fiscal years 2008 through 2012.'.

No comparable provision.

SEC. 7046. SEED DISTRIBUTION.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7043) is amended by adding at the end the following:

`SEC. 1473M. SEED DISTRIBUTION.

`(a) Establishment- The Secretary shall establish a program, to be known as the `seed distribution program', under which the Secretary shall provide a grant to a nonprofit organization selected under subsection (c) to carry out a seed distribution program to administer and maintain the distribution of vegetable seeds donated by commercial seed companies.

`(b) Purpose- The purpose of the seed distribution program under this section shall be to distribute vegetable seeds donated by commercial seed companies.

`(c) Selection of Nonprofit Organizations-

`(1) IN GENERAL- The nonprofit organization selected to receive a grant under subsection (a) shall demonstrate to the satisfaction of the Secretary that the organization—

`(A) has expertise regarding distribution of vegetable seeds donated by commercial seed companies; and

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	<p> ` (B) has the ability to achieve the purpose of the seed distribution program.</p> <p> ` (2) PRIORITY- In selecting a nonprofit organization for purposes of this section, the Secretary shall give priority to a nonprofit organization that, as of the date of selection, carries out an activity to benefit underserved communities, such as communities that experience—</p> <p> ` (A) limited access to affordable fresh vegetables;</p> <p> ` (B) a high rate of hunger or food insecurity; or</p> <p> ` (C) severe or persistent poverty.</p> <p> ` (d) Requirement- The nonprofit organization selected under this section shall ensure that seeds donated by commercial seed companies are distributed free-of-charge to appropriate—</p> <p> ` (1) individuals;</p> <p> ` (2) groups;</p> <p> ` (3) institutions;</p> <p> ` (4) governmental and nongovernmental organizations; and</p> <p> ` (5) such other entities as the Secretary may designate.</p> <p> ` (e) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'</p>
<p>No comparable provision.</p>	<p>SEC. 7047. FARM AND RANCH SAFETY.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7044) is amended by adding at the end the following:</p> <p>`SEC. 1473N. FARM AND RANCH SAFETY.</p>

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`(a) In General- The Secretary shall establish a program, to be known as the `agricultural safety program', under which the Secretary shall provide grants to eligible entities to carry out projects to decrease the incidence of injury and death on farms and ranches.

`(b) Eligible Entities- To be eligible to receive a grant under this section, an entity shall be—

- `(1) a nonprofit organization;
- `(2) a land-grant college or university (including a cooperative extension service);
- `(3) a minority-serving institution;
- `(4) a 2-year or 4-year institution of higher education; or
- `(5) such other entity as the Secretary may designate.

`(c) Eligible Projects- An eligible entity shall use a grant received under this section only to carry out—

- `(1) a project at least 1 component of which emphasizes—
 - `(A) preventative service through on-site farm or ranch safety reviews;
 - `(B) outreach and dissemination of farm safety research and interventions to agricultural employers, employees, youth, farm and ranch families, seasonal workers, or other individuals; or
 - `(C) agricultural safety education and training; and
- `(2) other appropriate activities, as determined by the Secretary;

`(d) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'

No comparable provision.

SEC. 7048. WOMEN AND MINORITIES IN STEM FIELDS.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7045) is amended by adding at the

end the following:

SEC. 14730. WOMEN AND MINORITIES IN STEM FIELDS.

(a) Establishment- The Secretary shall establish a program under which the Secretary, in coordination with applicable Federal, State, and local programs, shall provide grants to eligible institutions to increase, to the maximum extent practicable, participation by women and underrepresented minorities from rural areas (as defined in section 343(a) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1991(a))), in science, technology, engineering, and mathematics fields (referred to in this section as 'STEM fields').

(b) Activities- In carrying out the program established under subsection (a), the Secretary shall—

(1) implement multitrack technology career advancement training programs and provide related services to engage, and encourage participation by, women and underrepresented minorities in STEM fields;

(2) develop and administer training programs for educators, career counselors, and industry representatives in recruitment and retention strategies to increase and retain women and underrepresented minority students and job entrants into STEM fields; and

(3) support education-to-workforce programs for women and underrepresented minorities to provide counseling, job shadowing, mentoring, and internship opportunities to guide participants in the academic, training, and work experience needed for STEM careers.

(c) Institutions-

(1) GRANTS- The Secretary shall carry out the program under this section at such institutions as the Secretary determines to be appropriate by providing grants, on a competitive basis, to the institutions.

(2) PRIORITY- In providing grants under paragraph (1), the Secretary shall give priority, to the maximum extent practicable, to institutions carrying out continuing programs funded by the Secretary.

(d) Authorization of Appropriations- There are authorized to be appropriated such sums

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	<p>as are necessary to carry out this section for each of fiscal years 2008 through 2012.'</p>
<p>No comparable provision.</p>	<p>SEC. 7049. NATURAL PRODUCTS RESEARCH PROGRAM.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7046) is amended by adding at the end the following:</p> <p>SEC. 1473P. NATURAL PRODUCTS RESEARCH PROGRAM.</p> <p>(a) In General- The Secretary shall establish a natural products research program.</p> <p>(b) Duties- In carrying out the program established under subsection (a), the Secretary shall coordinate research relating to natural products, including—</p> <p>(1) research to improve human health and agricultural productivity through the discovery, development, and commercialization of pharmaceuticals and agrichemicals from bioactive natural products, including products from plant, marine, and microbial sources;</p> <p>(2) research to characterize the botanical sources, production, chemistry, and biological properties of plant-derived natural products important for agriculture and medicine; and</p> <p>(3) other research priorities identified by the Secretary.</p> <p>(c) Authorization of Appropriations- There are authorized to be appropriated to carry out this section such sums as are necessary for each of fiscal years 2008 through 2012.'</p>
<p>No comparable provision.</p>	<p>SEC. 7050. INTERNATIONAL ANTI-HUNGER AND NUTRITION PROGRAM.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7047) is amended by adding at the end the following:</p> <p>SEC. 1473Q. INTERNATIONAL ANTI-HUNGER AND NUTRITION.</p> <p>(a) In General- The Secretary shall provide support to established nonprofit organizations that focus on promoting research concerning—</p>

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- `(1) anti-hunger and improved nutrition efforts internationally; and
- `(2) increased quantity, quality, and availability of food.

`(b) Authorization of Appropriations- There is authorized to be appropriated to carry out this section \$1,000,000 for each of fiscal years 2008 through 2012.'

No comparable provision.

SEC. 7051. CONSORTIUM FOR AGRICULTURAL AND RURAL TRANSPORTATION RESEARCH AND EDUCATION.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7048) is amended by adding at the end the following:

`SEC. 1473R. CONSORTIUM FOR AGRICULTURAL AND RURAL TRANSPORTATION RESEARCH AND EDUCATION.

`(a) In General- Subject to the availability of appropriations to carry out this section, the Secretary, acting through the Agricultural Marketing Service, shall award grants to the Consortium for Agricultural and Rural Transportation Research and Education for the purpose of funding prospective, independent research, education, and technology transfer activities.

`(b) Activities- Activities funded with grants made under subsection (a) shall focus on critical rural and agricultural transportation and logistics issues facing agricultural producers and other rural businesses, including—

- `(1) issues relating to the relationship between renewable fuels and transportation;
- `(2) export promotion issues based on transportation strategies for rural areas;
- `(3) transportation and rural business facility planning and location issues;
- `(4) transportation management and supply chain management support issues;
- `(5) rural road planning and finance issues;
- `(6) advanced transportation technology applications in a rural area; and

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`(7) creation of a national agricultural marketing and rural business transportation database.

`(c) Report- Not later than September 30, 2011, the Secretary shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a report that—

`(1) describes the activities of Consortium for Agricultural and Rural Transportation Research and Education that have been funded through grants made under this section; and

`(2) contains recommendations about the grant program.

`(d) Authorization of Appropriations-

`(1) IN GENERAL- There is authorized to be appropriated to carry out this section \$19,000,000 for each of fiscal years 2008 through 2012.

`(2) ADMINISTRATIVE EXPENSES- Of the total amount made available under paragraph (1), not more than \$1,000,000 may be used by the Agricultural Marketing Service for administrative expenses incurred in carrying out this section.'

No comparable provision.

SEC. 7052. REGIONAL CENTERS OF EXCELLENCE IN FOOD SYSTEMS VETERINARY MEDICINE.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7049) is amended by adding at the end the following:

`SEC. 1473S. REGIONAL CENTERS OF EXCELLENCE IN FOOD SYSTEMS VETERINARY MEDICINE.

`(a) Definition of Eligible School of Veterinary Medicine- In this section, the term `eligible school of veterinary medicine' means a school of veterinary medicine that is—

`(1) a public or other nonprofit entity; and

`(2) accredited by an entity that is approved for such purpose by the Department of Education.

`(b) Grant Program- The Secretary shall make grants to eligible schools of veterinary medicine to assist the eligible schools of veterinary medicine in supporting centers of emphasis in food systems veterinary medicine.

`(c) Application Process-

`(1) APPLICATION REQUIREMENT- To be eligible to receive a grant from the Secretary under subsection (b), an eligible school of veterinary medicine shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require.

`(2) CONSIDERATION OF APPLICATIONS- The Secretary shall establish procedures to ensure that—

`(A) each application submitted under paragraph (1) is rigorously reviewed; and

`(B) grants are competitively awarded based on—

`(i) the ability of the eligible school of veterinary medicine to provide a comprehensive educational experience for students with particular emphasis on the species of food animal for which the eligible school of veterinary medicine is applying that is used for food production (including food animal veterinary medicine, food supply bioterrorism prevention and surveillance, food-safety, and the improvement of the quality of the environment);

`(ii) the ability of the eligible school of veterinary medicine to increase capacity with respect to research on the species of food animal for which the eligible school of veterinary medicine is applying that is used for food production; and

`(iii) any other consideration that the Secretary determines to be appropriate.

`(3) PREFERENCE FOR CONSORTIUM- In making grants under subsection (b), the Secretary shall give preference to eligible schools of veterinary medicine that participate in interinstitutional agreements that—

`(A) cover issues relating to residency, tuition, or fees; and

`(B) consist of more than 1 other—

`(i) school of veterinary medicine;

`(ii) school of public health;

`(iii) school of agriculture; or

`(iv) appropriate entity that carries out education and research activities with respect to food production systems, as determined by the Secretary.

`(d) Required Use of Funds- The Secretary may not make a grant to an eligible school of veterinary medicine under subsection (b) unless the eligible school of veterinary medicine agrees to use the grant funds—

`(1) to develop a competitive student applicant pool through linkages with other appropriate schools of veterinary medicine, as determined by the Secretary;

`(2) to improve the capacity of the eligible school of veterinary medicine—

`(A) to train, recruit, and retain faculty;

`(B) to pay such stipends and fellowships as the Secretary determines to be appropriate in areas of research relating to--

`(i) food animal medicine; and

`(ii) food-safety and defense; and

`(C) to enhance the quality of the environment;

`(3) to carry out activities to improve the information resources, curriculum, and clinical education of students of the eligible school of veterinary medicine with respect to—

`(A) food animal veterinary medicine; and

`(B) food-safety;

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`(4) to facilitate faculty and student research on health issues that—

`(A) affect—

`(i) food-producing animals; and

`(ii) food-safety; and

`(B) enhance the environment;

`(5) to provide stipends for students to offset costs relating to travel, tuition, and other expenses associated with attending the eligible school of veterinary medicine; and

`(6) for any other purpose that the Secretary determines to be appropriate.

`(e) Period of Grants-

`(1) IN GENERAL- Subject to paragraph (2), an eligible school of veterinary medicine that receives funds through a grant under subsection (b) shall receive funds under the grant for not more than 5 years after the date on which the grant was first provided.

`(2) CONDITIONS RELATING TO GRANT FUNDS- Funds provided to an eligible school of veterinary medicine through a grant under subsection (b) shall be subject to—

`(A) the annual approval of the Secretary; and

`(B) the availability of appropriations.

`(f) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'

Subtitle C—Food, Agriculture, Conservation, and Trade Act of 1990

SEC. 7301. NATIONAL GENETICS RESOURCES PROGRAM.

Section 1635(b) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C.

Subtitle B--Food, Agriculture, Conservation, and Trade Act of 1990

SEC. 7101. NATIONAL GENETIC RESOURCES PROGRAM.

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<p>5844(b)) is amended by striking “2007” and inserting “2012”.</p>	<p>(a) In General- Section 1632 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5841) is amended—</p> <p>(2) by striking subsection (b) and inserting the following:</p> <p>“(b) Purpose- The program is established for the purpose of—</p> <p>“(1) maintaining and enhancing a program providing for the collection, preservation, and dissemination of plant, animal, and microbial genetic material of importance to food and agriculture production in the United States; and</p> <p>“(2) undertaking long-term research on plant and animal breeding and disease resistance.’; and</p> <p>(2) in subsection (d)—</p> <p>(A) in paragraph (5), by striking ‘and’ at the end;</p> <p>(B) by redesignating paragraph (6) as paragraph (7); and</p> <p>(C) by inserting after paragraph (5) the following:</p> <p>“(6) in conjunction with national programs for plant and animal genetic resources, undertake long-term research on plant and animal breeding, including the development of varieties adapted to sustainable and organic farming systems, and disease resistance; and’.</p> <p>(b) Authorization of Appropriations- Section 1635(b) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5844(b)) is amended by striking ‘2007’ and inserting ‘2012’.</p>
<p>SEC. 7302. NATIONAL AGRICULTURAL WEATHER INFORMATION SYSTEM.</p> <p>Section 1641(c) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5855(c)) is amended by striking “1991 through 1997” and inserting “2008 through 2012”.</p>	<p>No comparable provision.</p>
<p>SEC. 7303. PARTNERSHIPS.</p> <p>Section 1672(d) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925(d)) is amended by striking “may” and inserting “shall”.</p>	<p>No comparable provision.</p>

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<p>SEC. 7304. AFLATOXIN RESEARCH AND EXTENSION.</p> <p>Section 1672(e)(3) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925(e)(3)) is amended by striking “and controlling aflatoxin in the food and feed chains.” and inserting “improving, and eventually commercializing alfatoin controls in corn and other affected agricultural products and crops.”.</p>	<p>No comparable provision.</p>
<p>SEC. 7305. HIGH-PRIORITY RESEARCH AND EXTENSION AREAS.</p> <p>Section 1672(e) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925(e)) is amended by adding the following:</p> <p>“(46) FARMED AND WILD CERVID DISEASE AND APPLIED GENETICS RESEARCH.— Research grants may be made under this section for the purpose of investigating the major infectious, parasitic and toxic diseases of importance to farmed and wild cervids.</p> <p>“(47) AIR EMISSIONS FROM LIVESTOCK OPERATIONS.—Research and extension grants may be made under this section for the purpose of conducting field verification tests and developing mitigation options for air emissions from animal feeding operations.</p> <p>“(48) SWINE GENOME PROJECT.—Research grants may be made under this section to conduct swine genome research and to map the swine genome.</p> <p>“(49) CATTLE FEVER TICK PROGRAM.—Research and extension grants may be made to study cattle fever ticks to facilitate understanding of the role of wildlife in the persistence and spread of cattle fever ticks; to develop advanced methods for eradication of cattle fever ticks; and to improve management of diseases related to cattle fever ticks that are associated with wildlife, livestock, and human health.</p> <p>“(50) COLONY COLLAPSE DISORDER PROGRAM.—Research and extension grants may be made to survey and collect data of honey bee colony production and health; research various factors possibly contributing to or associated with colony collapse disorder; and develop mitigative and preventative measures to improve bee health.</p> <p>“(51) SYNTHETIC GYPSUM FROM ELECTRIC POWER PLANTS RESEARCH.—Research and extension grants may be made to study the uses of synthetic gypsum from electric power plants to remediate soil and nutrient losses.</p> <p>“(52) CRANBERRY RESEARCH PROGRAM.—Research and extension grants may be made to study new technologies to assist cranberry growers in complying with Federal and State environmental regulations, increase production, develop new growing</p>	<p>SEC. 7102. HIGH-PRIORITY RESEARCH AND EXTENSION INITIATIVES.</p> <p>Section 1672 of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925) is amended—</p> <p>(1) in subsection (e), by adding at the end the following:</p> <p>“(46) COLONY COLLAPSE DISORDER AND POLLINATOR RESEARCH PROGRAM- Research and extension grants may be made to—</p> <p>“(A) survey and collect data on bee colony production and health;</p> <p>“(B) investigate pollinator biology, immunology, ecology, genomics, and bioinformatics;</p> <p>“(C) conduct research on various factors that may be contributing to or associated with colony collapse disorder, and other serious threats to the health of honey bees and other pollinators, including—</p> <p>“(i) parasites and pathogens of pollinators; and</p> <p>“(ii) the sublethal effects of insecticides, herbicides, and fungicides on honey bees and native and managed pollinators;</p> <p>“(D) develop mitigative and preventative measures to improve native and managed pollinator health; and</p> <p>“(E) promote the health of honey bees and native pollinators through habitat conservation and best management practices.</p> <p>“(47) MARINE SHRIMP FARMING PROGRAM- Research and extension grants</p>

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techniques, establish more efficient growing methodologies, and educate farmers about sustainable growth practices.

“(53) **SORGHUM RESEARCH INITIATIVE.**—Research and extension grants may be made to study the use of sorghum as a bioenergy feedstock, promote diversification in, and the environmental sustainability of sorghum production, and promote water conservation through the use of sorghum.

“(54) **BEAN HEALTH RESEARCH PROGRAM.**—Research and extension grants may be made to study bean-based solutions to chronic health and nutritional concerns in both developed and developing countries, and to increase bean consumption.”.

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may be made to establish a research program to advance and maintain a domestic shrimp farming industry in the United States.

“(48) **CRANBERRY RESEARCH PROGRAM-** Research and extension grants may be made to study new technologies to assist cranberry growers in complying with Federal and State environmental regulations, increase cranberry production, develop new growing techniques, establish more efficient growing methodologies, and educate farmers about sustainable growth practices.

“(49) **TURFGRASS RESEARCH INITIATIVE-** Research and extension grants may be made to study the production of turfgrass (including the use of water, fertilizer, pesticides, fossil fuels, and machinery for turf establishment and maintenance) and environmental protection and enhancement relating to turfgrass production.

“(50) **PESTICIDE SAFETY RESEARCH INITIATIVE-** Research grants may be made to study pesticide safety for migrant and seasonal agricultural workers, including research on increased risks of cancer or birth defects among migrant or seasonal farmworkers and their children, identification of objective biological indicators, and development of inexpensive clinical tests to enable clinicians to diagnose overexposure to pesticides, and development of field-level tests to determine when pesticide-treated fields are safe to reenter to perform hand labor activities.

“(51) **SWINE GENOME PROJECT-** Research grants may be made under this section to conduct swine genome research and to map the swine genome.

“(52) **HIGH PLAINS AQUIFER REGION-** Research and extension grants may be made to carry out interdisciplinary research relating to diminishing water levels and increased demand for water in the High Plains aquifer region encompassing the States of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming.

“(53) **CELLULOSIC FEEDSTOCK TRANSPORTATION AND DELIVERY INITIATIVE-** Research and extension grants may be made to study new technologies for the economic post-harvest densification, handling, transportation, and delivery of cellulosic feedstocks for bioenergy conversion.

“(54) **DEER INITIATIVE-** Research and extension grants may be made to support collaborative research focusing on the development of viable strategies for the

prevention, diagnosis, and treatment of infectious, parasitic, and toxic diseases of farmed deer and the mapping of the deer genome.

“(55) PASTURE-BASED BEEF SYSTEMS FOR APPALACHIA RESEARCH INITIATIVE- Research and extension grants may be made to land-grant institutions—

“(A) to study the development of forage sequences and combinations for cow-calf, heifer development, stocker, and finishing systems;

“(B) to deliver optimal nutritive value for efficient production of cattle for pasture finishing;

“(C) to optimize forage systems to produce pasture finished beef that is acceptable to consumers;

“(D) to develop a 12-month production and marketing model cycle for forage-fed beef; and

“(E) to assess the effect of forage quality on reproductive fitness and related measures.

“(56) SUSTAINABLE AGRICULTURAL PRODUCTION FOR THE ENVIRONMENT- Research and extension grants may be made to—

“(A) field and laboratory studies that examine the ecosystem from gross to minute scales;

“(B) conduct projects that explore the future environmental ramifications of sustainable agricultural practices; and

“(C) to assess the effect of forage quality on reproductive fitness and related measures.

“(57) BIOMASS-DERIVED ENERGY RESOURCES- Research and extension grants may be made to—

“(A) study plant cell wall structure and function and the use of plant biotechnology to produce industrial enzymes; and

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	<p>“(B) conduct projects that develop renewable, plant biomass-derived energy resources using the technology described in subparagraph (A).</p> <p>“(58) BRUCELLOSIS CONTROL AND ERADICATION; BIGHORN AND DOMESTIC SHEEP DISEASE MECHANISMS- Research and extension grants may be made available--</p> <p>“(A) for the conduct of research relating to the development of vaccines and vaccine delivery systems to effectively control and eliminate brucellosis in wildlife;</p> <p>“(B) to assist with the controlling of the spread of brucellosis from wildlife to domestic animals in the greater Yellowstone area; and</p> <p>“(C) to conduct research relating to the health status (including the presence of infectious diseases) of bighorn and domestic sheep under range conditions.’; and</p> <p>(2) in subsection (h), by striking ‘2007’ and inserting ‘2012, of which \$20,000,000 shall be used for each fiscal year to make grants described in subsection (e)(46)’.</p>
<p>SEC. 7306. HIGH-PRIORITY RESEARCH AND EXTENSION INITIATIVES.</p> <p>Section 1672(h) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925(h)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7102. HIGH-PRIORITY RESEARCH AND EXTENSION INITIATIVES. <i>(for complete section, see SEC. 7102 of the Senate Amendment, SEC. 7305 of HR 2419)</i></p> <p>(2) in subsection (h), by striking ‘2007’ and inserting ‘2012, of which \$20,000,000 shall be used for each fiscal year to make grants described in subsection (e)(46)’.</p>
<p>SEC. 7307. NUTRIENT MANAGEMENT RESEARCH AND EXTENSION INITIATIVE.</p> <p>Section 1672A of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925a) is amended—</p> <p>(1) by redesignating subsection (g) as subsection (f);</p> <p>(2) in subsection (d), by inserting “or address unique regional concerns” after “entities”;</p> <p>(3) in subsection (e)(1)(B), by inserting “and dairy cattle waste” after “swine waste”; and</p> <p>(4) in subsection (f) (as so redesignated in paragraph (1)), by striking “2007” and</p>	<p>SEC. 9023. NORTHEAST DAIRY NUTRIENT MANAGEMENT AND ENERGY DEVELOPMENT PROGRAM.</p> <p>“(a) Definitions- In this section:</p> <p>“(1) CONSORTIUM- The term ‘consortium’ means a collaboration of land-grant colleges or universities in the Northeast region that have programs devoted to dairy manure nutrient management and energy conversion from dairy manure.</p> <p>“(2) LAND-GRANT COLLEGES AND UNIVERSITIES- The term ‘land-grant colleges and universities’ has the meaning given the term in section 1404 of the</p>

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inserting "2012"

National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3103)).

`(3) NORTHEAST REGION- The term `Northeast region' means the States of Connecticut, Delaware, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and West Virginia.

`(4) PROGRAM- The term `program' means the dairy nutrient management and energy development program established under subsection (b).

`(b) Establishment- The Secretary shall establish a dairy nutrient management and energy development program under which the Secretary shall provide funds to the consortium to carry out multistate, integrated research, extension, and demonstration projects for nutrient management and energy development in the Northeast Region.

`(c) Steering Committee-

`(1) IN GENERAL- The consortium shall establish a steering committee to administer the program.

`(2) CHAIRPERSON- For each calendar year, or for such other period as the consortium determines to be appropriate, the consortium shall select a chairperson of the steering committee in a manner that ensures that each member of the consortium is represented by a chairperson on a rotating basis.

`(3) BOARD-

`(A) IN GENERAL- The steering committee shall establish a board of directors to assist in the administration of the program.

`(B) COMPOSITION- The board shall consist of representatives of--

- `(i) dairy cooperatives and other producer groups;
- `(ii) State departments of agriculture;
- `(iii) conservation organizations; and
- `(iv) other appropriate Federal and State agencies.

`(d) Use of Funds-

`(1) ADMINISTRATIVE COSTS- The consortium may use not more than 10 percent of the total amount of funds provided to the consortium under this section

to pay the administrative costs of the program.

`(2) GRANT PROGRAM-

`(A) IN GENERAL- The consortium shall use the amounts provided under this section to provide grants to applicants, including dairy cooperatives, producers and producer groups, State departments of agriculture and other appropriate State agencies, and institutions of higher education, to carry out integrated research, extension, and demonstration projects in the Northeast region to address manure nutrient management and energy development.

`(B) APPLICATIONS- The steering committee established under subsection (c)(1), in coordination with the board established by the steering committee, shall annually publish 1 or more requests to receive applications for grants under this paragraph.

`(C) SELECTION-

`(i) IN GENERAL- The board of the steering committee shall select applications submitted under subparagraph (B) for grants under this paragraph--

`(I) on a competitive basis;

`(II) in accordance with such priority technical areas and distribution requirements as the steering committee may establish; and

`(III) in a manner that ensures, to the maximum extent practicable, that an equal quantity of resources is provided to each member of the consortium.

`(ii) REVIEW- Before selecting any application under clause (i), the board shall ensure that the program proposed in the application is subject to a merit review by an independent panel of scientific experts with experience relating to the program.

`(iii) PRIORITY- In selecting applications under clause (i), the board shall give priority to applications for programs that--

`(I) include multiorganizational partnerships, especially partnerships that include producers; and

`(II) attract the most current and applicable science for nutrient management and energy development that can be applied in the Northeast region.

`(D) COST SHARING- An applicant that receives a grant under this

paragraph shall provide not less than 20 percent of the cost of the project carried out by the applicant.

`(e) Availability of Results- The consortium shall ensure that the results of each project carried out pursuant to the program are made publicly available.

`(f) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section.

SEC. 11092. SOUTHWEST REGIONAL DAIRY, ENVIRONMENT, AND PRIVATE LAND PROGRAM.

(a) Definitions- In this section:

(1) ELIGIBLE INSTITUTION OF HIGHER EDUCATION- The term `eligible institution of higher education' means an institution of higher education that--

(A) is located in--

(i) the State of Arizona;

(ii) the State of Colorado;

(iii) the State of New Mexico;

(iv) the State of Oklahoma; and

(v) the State of Texas;

(B) has facilities that are necessary for the facilitation of research on issues relating to the dairy industry in a practical setting;

(C) has a dairy research program and an institution for applied environmental research;

(D) has a university laboratory that is--

(i) located on the campus of the institution of higher education; and

(ii) accredited by the National Environmental Laboratory Accreditation Council to ensure the quality of any proposed research activities;

(E) has the capability to enter into a partnership with representatives of the dairy industry and other public and private entities and institutions of higher education;

(F) has experience in conducting watershed modeling (including the conduct of

cost-benefit analyses, policy applications, and long-term watershed monitoring); and

(G) works with--

(i) producer-run advocacy groups (including Industry-Led Solutions); and

(ii) private land coalitions.

(2) PROGRAM- The term `program' means the Southwest regional dairy, environment, and private land program established under subsection (b).

(b) Establishment-

(1) IN GENERAL- As soon as practicable after the date of enactment of this Act, the Secretary shall establish a Southwest regional dairy, environment, and private land program.

(2) REQUIRED ACTIVITIES- In carrying out the program, the Secretary shall--

(A) identify challenges and develop solutions to enhance the economic and environmental sustainability, growth, and expansion of the dairy industry in the Southwest region of the United States;

(B) research, develop, and implement programs--

(i) to recover energy and other useful products from dairy waste;

(ii) to identify best management practices; and

(iii) to assist the dairy industry in ensuring that animal waste emissions and discharges of the dairy industry are maintained at levels below applicable regulatory standards;

(C) offer technical assistance (including research activities conducted by a university laboratory that is accredited by the National Environmental Laboratory Accreditation Council), training, applied research, and watershed water quality programs monitoring to applicable entities;

(D) develop--

(i) watershed modeling through the development of innovative modeling tools and data mining to develop cost-efficient and environmentally effective programs in the dairy industry; and

(ii) an international modeling application clearinghouse to coordinate watershed modeling tools in the United States and in other countries, to be carried out by the

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Secretary; and

(E) collaborate with a private land coalition to use input gathered from landowners in the United States through a program of industry led solutions to work with the Federal Government (including Federal agencies) in the development of conservation, environmental credit trading, and watershed programs to help private landowners and agricultural producers meet applicable water quality standards.

(c) Contracts-

(1) IN GENERAL- In carrying out the program, the Secretary shall offer to enter into contracts with eligible institutions of higher education.

(2) APPLICATION-

(A) SUBMISSION OF APPLICATION- To enter into a contract with the Secretary under paragraph (1), an eligible institution of higher education shall submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require.

(B) GUIDELINES- As soon as practicable after the date of enactment of this Act, the Secretary shall promulgate guidelines describing each requirement of the Secretary with respect to the application requirements described in subparagraph (A).

(d) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012, to remain available until expended.

SEC. 7103. NUTRIENT MANAGEMENT RESEARCH AND EXTENSION INITIATIVE.

Section 1672A of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925a) is amended—

(1) by redesignating subsection (g) as subsection (f); and

(2) in subsection (f) (as so redesignated), by striking `2007' and inserting `2012'.

SEC. 7308. AGRICULTURAL TELECOMMUNICATIONS PROGRAM.

Section 1673(h) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5926(h)) is amended by striking “2007” and inserting “2012”.

SEC. 7105. AGRICULTURAL TELECOMMUNICATIONS PROGRAM.

Section 1673(h) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5926(h)) is amended by striking `2007' and inserting `2012'.

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<p>SEC. 7309. ASSISTIVE TECHNOLOGY PROGRAM FOR FARMERS WITH DISABILITIES.</p> <p>Section 1680(c)(1) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5933(c)(1)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7106. ASSISTIVE TECHNOLOGY PROGRAM FOR FARMERS WITH DISABILITIES.</p> <p>Section 1680(c)(1) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5933(c)(1)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7310. ORGANIC RESEARCH.</p> <p>(a) IN GENERAL.—The Organic Agriculture Research and Extension Initiative (section 1672B of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925b)) is amended—</p> <p>(1) in subsection (a)—</p> <p>(A) in paragraph (5), by striking “and” after the semicolon;</p> <p>(B) in paragraph (6), at the end by striking the period and inserting a semicolon; and</p> <p>(C) by adding at the end the following:</p> <p>“(7) examining optimal conservation and environmental outcomes relating to organically produced agricultural products; and</p> <p>“(8) developing new and improved seed varieties that are particularly suited for organic agriculture.”; and</p> <p>(2) by adding at the end the following—</p> <p>“(f) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated \$25,000,000 for each of fiscal years 2009 through 2012.</p> <p>“(g) ADDITIONAL FUNDING.—In addition to funds made available under subsection (f), of the funds of the Commodity Credit Corporation, the Secretary shall make available to carry out this section a total of \$25,000,000 for fiscal years 2008 through 2012.”.</p> <p>(b) COORDINATION.—In carrying out this section, the Secretary shall ensure that the Director of the applicable Program Office established under section 7104(a) coordinates projects and activities carried out under this section to ensure, to the maximum extent practicable, that duplication of effort is eliminated or minimized.</p>	<p>SEC. 7104. ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE.</p> <p>Section 1672B of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 5925b) is amended by striking subsection (e) and inserting the following:</p> <p>“(e) Funding.—Of the funds of the Commodity Credit Corporation, the Secretary shall use to carry out this section \$16,000,000 for each of fiscal years 2008 through 2012, to remain available until expended.”.</p>
<p>SEC. 7311. NATIONAL RURAL INFORMATION CENTER CLEARINGHOUSE.</p> <p>Section 2381(e) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C.</p>	<p>SEC. 7107. NATIONAL RURAL INFORMATION CENTER CLEARINGHOUSE.</p>

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3125b(e)) is amended by striking “2007” and inserting “2012”.

Section 2381(e) of the Food, Agriculture, Conservation, and Trade Act of 1990 (7 U.S.C. 3125b(e)) is amended by striking `2007' and inserting `2012'.

SEC. 7312. NEW ERA RURAL TECHNOLOGY PROGRAM.

(a) FUNCTIONS.—

(1) The Secretary shall establish the “New Era Rural Technology Program”, to make grants available for technology development, applied research, and training to aid in the development of an agriculture-based renewable energy workforce. This initiative shall support the fields of bioenergy, pulp and paper manufacturing, and for agriculture-based renewable energy resources.

(2) To receive funding under this section an entity—

(A) shall be a rural community college or advanced technological center, in existence on the date of the enactment of this Act, that participates in agricultural or bioenergy research and applied research;

(B) shall have a proven record of development and implementation of programs to meet the needs of students, educators, and business and industry to supply the agriculture-based, renewable energy or pulp and paper manufacturing fields with certified technicians as determined by the Secretary of Agriculture; and

(C) shall have the ability to leverage existing partnerships and occupational outreach and training programs for secondary schools, 4-year institutions and relevant non-profit organizations.

(b) **LIMITATION ON AUTHORIZATION OF APPROPRIATIONS.**—To carry out this section, there are authorized to be appropriated such sums as necessary for each of the fiscal years 2008 through 2012.

(c) **COMMUNITY COLLEGES.**—In this section, the term “community college” means an institution of higher education—

(1) that admits as regular students persons who are beyond the age of compulsory school attendance in the State in which the institution is located and who have the ability to benefit from the training offered by the institution;

(2) that does not provide an educational program for which it awards a bachelor’s degree, or an equivalent degree; and

SEC. 7043. NEW ERA RURAL TECHNOLOGY PROGRAM.

Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7040) is amended by adding at the end the following:

`SEC. 1473J. NEW ERA RURAL TECHNOLOGY PROGRAM.

`(a) Definition of Rural Community College- In this section, the term `rural community college' means an institution of higher education that—

`(1) admits as regular students individuals who—

`(A) are beyond the age of compulsory school attendance in the State in which the institution is located; and

`(B) have the ability to benefit from the training offered by the institution, in accordance with criteria established by the Secretary;

`(2) does not provide an educational program for which it awards a bachelor's degree or an equivalent degree;

`(3)(A) provides an educational program of not less than 2 years that is acceptable for full credit toward such a degree; or

`(B) offers a 2-year program in engineering, technology, mathematics, or the physical, chemical or biological sciences that is designed to prepare a student to work as a technician or at the semiprofessional level in engineering, scientific, or other technological fields requiring the understanding and application of basic engineering, scientific, or mathematical principles of knowledge; and

`(4) is located in a rural area (as defined in section 343(a) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1991(a)).

`(b) Program-

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(3) that—

(A) provides an educational program of not less than two years that is acceptable for full credit toward such a degree; or

(B) offers a two-year program in engineering, technology, mathematics, or the physical, chemical or biological sciences, designed to prepare a student to work as a technician or at the semiprofessional level in engineering, scientific, or other technological fields requiring the understanding and application of basic engineering, scientific, or mathematical principles of knowledge.

(d) **GRANT PRIORITY.**—Preference shall be given to rural community colleges working in partnership to improve information sharing capacity and to maximize the ability to meet the requirements of this section.

`(1) IN GENERAL- The Secretary shall establish a program, to be known as the 'New Era Rural Technology Program', under which the Secretary shall make grants available for technology development, applied research, and training to aid in the development of an agriculture-based renewable energy workforce.

`(2) FIELDS- In making grants under the program, the Secretary shall support the fields of—

`(A) bioenergy;

`(B) pulp and paper manufacturing; and

`(C) agriculture-based renewable energy resources.

`(c) Eligibility- To be eligible to receive a grant under this section, an entity shall—

`(1) be a rural community college or advanced technological center (as determined by the Secretary), in existence on the date of the enactment of this section, that participates in agricultural or bioenergy research and applied research;

`(2) have a proven record of development and implementation of programs to meet the needs of students, educators, business, and industry to supply the agriculture-based, renewable energy, or pulp and paper manufacturing fields with certified technicians, as determined by the Secretary; and

`(3) have the ability to leverage existing partnerships and occupational outreach and training programs for secondary schools, 4-year institutions, and relevant nonprofit organizations.

`(d) Grant Priority- In making grants under this section, the Secretary shall give preference to rural community colleges working in partnership—

`(1) to improve information sharing capacity; and

`(2) to maximize the ability of eligible recipients to meet the purposes of this section.

`(e) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.'

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<p align="center">Subtitle D—Agricultural Research, Extension, and Education Reform Act of 1998</p>	<p align="center">Subtitle C--Agricultural Research, Extension, and Education Reform Act of 1998</p>
<p>SEC. 7401. PARTNERSHIPS FOR HIGH-VALUE AGRICULTURAL PRODUCT QUALITY RESEARCH.</p> <p>Section 402(g) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7622(g)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7202. PARTNERSHIPS FOR HIGH-VALUE AGRICULTURAL PRODUCT QUALITY RESEARCH.</p> <p>Section 402(g) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7622(g)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7402. PRECISION AGRICULTURE.</p> <p>Section 403(i)(1) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7623(i)(1)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7203. PRECISION AGRICULTURE.</p> <p>Section 403(i)(1) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7623(i)(1)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7403. BIOBASED PRODUCTS.</p> <p>(a) PILOT PROJECT.—Section 404(e)(2) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7624(e)(2)) is amended by striking “2007” and inserting “2012”.</p> <p>(b) AUTHORIZATION OF APPROPRIATIONS.—Section 404(h) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7624(h)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7204. BIOBASED PRODUCTS.</p> <p>(a) Pilot Project- Section 404(e)(2) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7624(e)(2)) is amended by striking `2007' and inserting `2012'.</p> <p>(b) Authorization of Appropriations- Section 404(h) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7624(h)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7404. THOMAS JEFFERSON INITIATIVE FOR CROP DIVERSIFICATION.</p> <p>Section 405(h) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7625(h)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7205. THOMAS JEFFERSON INITIATIVE FOR CROP DIVERSIFICATION.</p> <p>Section 405(h) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7625(h)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7405. INTEGRATED RESEARCH, EDUCATION, AND EXTENSION COMPETITIVE GRANTS PROGRAM.</p> <p>Section 406(f) of the Agricultural Research, Extension, and Education Reform Act of 1998</p>	<p>SEC. 7206. INTEGRATED RESEARCH, EDUCATION, AND EXTENSION COMPETITIVE GRANTS PROGRAM.</p> <p>Section 406(f) of the Agricultural Research, Extension, and Education Reform Act of</p>

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<p>(7 U.S.C. 7626(f)) is amended by striking “2007” and inserting “2012”.</p>	<p>1998 (7 U.S.C. 7626(f)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7406. FUSARIUM GRAMINEARUM GRANTS.</p> <p>Section 408 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7628(e)) is amended—</p> <p>(1) in the heading for such section, by striking “GRANT” and inserting “GRANTS”; and</p> <p>(2) in subsection (e), by striking “2007” and inserting “2012”.</p>	<p>SEC. 7207. SUPPORT FOR RESEARCH REGARDING DISEASES OF WHEAT, TRITICALE, AND BARLEY CAUSED BY FUSARIUM GRAMINEARUM OR BY TILLETIA INDICA.</p> <p>Section 408(e) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7628(e)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7407. BOVINE JOHNE’S DISEASE CONTROL PROGRAM.</p> <p>Section 409(b) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7629(b)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7208. BOVINE JOHNE'S DISEASE CONTROL PROGRAM.</p> <p>Section 409(b) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7629(b)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7408. GRANTS FOR YOUTH ORGANIZATIONS.</p> <p>Section 410 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7630) is amended by striking subsections (b) and (c) and inserting the following:</p> <p>“(b) FLEXIBILITY.—The Secretary shall provide maximum flexibility in content delivery to each organization receiving funds under this section so as to ensure that the unique goals of each organization, as well as the local community needs are fully met.</p> <p>“(c) REDISTRIBUTION OF FUNDING WITHIN ORGANIZATIONS AUTHORIZED.—Recipients of funds under this section are authorized to redistribute all or part of the funds received to individual councils or local chapters within such organization without further need of approval from the Secretary.</p> <p>“(d) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to carry out this section such sums as are necessary for each of fiscal years 2008 through 2012.”.</p>	<p>SEC. 7209. GRANTS FOR YOUTH ORGANIZATIONS.</p> <p>Section 410(c) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7630(c)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7409. AGRICULTURAL BIOTECHNOLOGY RESEARCH AND DEVELOPMENT FOR DEVELOPING COUNTRIES.</p> <p>Section 411(c) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7631(c)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7210. AGRICULTURAL BIOTECHNOLOGY RESEARCH AND DEVELOPMENT FOR DEVELOPING COUNTRIES.</p> <p>Section 411(c) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7631(c)) is amended by striking `2007' and inserting `2012'.</p>

SEC. 7410. AGRICULTURAL BIOENERGY AND BIOBASED PRODUCTS RESEARCH INITIATIVE.

Title IV of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621 et seq.) is amended by adding at the end the following:

“SEC. 412. AGRICULTURAL BIOENERGY AND BIOBASED PRODUCTS RESEARCH INITIATIVE.

“(a) DEFINITION.—For the purposes of this section, the term ‘Initiative’ means the agricultural bioenergy and biobased products research initiative established by subsection (b).

“(b) ESTABLISHMENT.—There is established within the Department a bioenergy and biobased products research initiative to enhance the production, sustainability, and conversion of biomass to renewable fuels and related products.

“(c) LABORATORY NETWORK.—

“(1) IN GENERAL.—The Secretary shall carry out the Initiative through a bioenergy and biobased product laboratory network that may consist of—

- “(A) Federal agencies;
- “(B) national laboratories;
- “(C) colleges and universities;
- “(D) research institutions and organizations;
- “(E) private organizations or corporations;
- “(F) State agricultural experiment stations; and
- “(G) individuals.

“(2) RESEARCH AND DEVELOPMENT OBJECTIVES.—The laboratory network shall focus on improving biomass production and sustainability, and improving biomass conversion in biorefineries, by—

- “(A) leveraging the broad scientific capabilities of the Department in—
 - “(i) plant genetics and breeding;
 - “(ii) crop production;

No comparable provision.

“(iii) soil and water science;

“(iv) use of agricultural waste;

“(v) carbohydrate, lipid, protein, and lignin chemistry and biochemistry;

“(vi) enzyme development;

“(vii) fermentation;

“(viii) microbiology;

“(ix) cellulosic gasification; and

“(x) ethanol by-product utilization.

“(B) supporting bioenergy and biobased product research that will enhance the production, sustainability, and conversion of biomass to renewable fuels and related products; and

“(C) supporting bioenergy and biobased product research, and the dissemination of that research, that will assist in achieving the goals of this section.

“(d) **COORDINATION.**—In carrying out the Initiative, the Secretary shall ensure that the Director of the applicable Program office established under section 7104(a)(1) shall coordinate projects and activities carried out under the Initiative with projects and activities under the Biomass Research and Development Act of 2000 (7 U.S.C. 8601 et seq) to ensure, to the maximum extent practicable, that—

“(1) duplication of effort is eliminated or minimized; and

“(2) the respective strengths of the Department and the Department of Energy are maximized.

“(e) **RESEARCH PROJECTS.**—In carrying out this section, the Secretary shall award grants on a competitive basis.

“(f) **ADMINISTRATION.**—

“(1) **IN GENERAL.**—For grants awarded under subsection (e)(2), the Secretary shall—

“(A) seek and accept proposals for grants;

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<p>“(B) determine the relevance and merit of proposals through a system of peer review in accordance with section 103 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7613); and</p> <p>“(C) award grants on the basis of merit, quality, and relevance.</p> <p>“(2) TERM.—A grant under this section shall have a term that does not exceed 5 years.</p> <p>“(3) OTHER CONDITIONS.—The Secretary may set such other conditions on the award of a grant under this section as the Secretary determines appropriate.</p> <p>“(g) BUILDINGS AND FACILITIES.—Funds made available under this section shall not be used for the construction of a new building or facility or the acquisition, expansion, remodeling, or alteration of an existing building or facility (including site grading and improvement and architect fees).</p> <p>“(h) FUNDING.—There is authorized to be appropriated \$50,000,000 for each of fiscal years 2008 through 2012 to carry out this section.”.</p>	
<p>SEC. 7411. SPECIALTY CROP RESEARCH INITIATIVE.</p> <p>(a) IN GENERAL.—Title IV of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621 et seq.), as amended by section 7410, is further amended by adding at the end the following:</p> <p>“SEC. 413. SPECIALTY CROP RESEARCH INITIATIVE.</p> <p>“(a) DEFINITIONS.—In this section:</p> <p>“(1) INITIATIVE.—The term ‘Initiative’ means the specialty crop research initiative established by subsection (b).</p> <p>“(2) SPECIALTY CROP.—The term ‘specialty crop’ shall have the meaning given that term in section 3(1) of the Specialty Crops Competitiveness Act of 2004 (7 U.S.C. 1621 note).</p> <p>“(b) ESTABLISHMENT.—There is established within the Department a specialty crop research initiative to address the critical needs of the specialty crop industry by developing and disseminating science-based tools to address needs of specific crops and their regions, including—</p>	<p>SEC. 7211. SPECIALTY CROP RESEARCH INITIATIVE.</p> <p>Title IV of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621 et seq.) is amended by adding at the end the following:</p> <p>SEC. 412. SPECIALTY CROP RESEARCH INITIATIVE.</p> <p>“(a) Definitions- In this section:</p> <p>“(1) INITIATIVE- The term ‘Initiative’ means the specialty crop research initiative established by subsection (b).</p> <p>“(2) SPECIALTY CROP- The term ‘specialty crop’ has the meaning given the term in section 3 of the Specialty Crops Competitiveness Act of 2004 (7 U.S.C. 1621 note; Public Law 108-465).</p> <p>“(b) Establishment- There is established within the Department a specialty crop research initiative.</p> <p>“(c) Purpose- The purpose of the Initiative shall be to address the critical needs of the</p>

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“(1) research in—

“(A) plant breeding, genetics, and genomics to improve crop characteristics, such as—

“(i) product appearance;

“(ii) environmental responses and tolerances;

“(iii) nutrient management;

“(iv) pest and disease management; and

“(v) enhanced phytonutrient content;

“(B) safety;

“(C) quality;

“(D) yield;

“(E) taste;

“(F) shelf life;

“(G) policy and marketing; and

“(H) specialty crop pollination;

“(2) efforts to identify and address threats from invasive species;

“(3) efforts to improve agricultural production by developing more technologically efficient and effective applications of water, nutrients, and pesticides;

“(4) new innovations and technology, such as enhancing mechanization and reducing reliance on labor; and

“(5) production efficiency, productivity, profitability and marketing.

“(c) **ELIGIBLE ENTITIES.**—The Secretary may carry out the Initiative through—

“(1) Federal agencies;

“(2) national laboratories;

“(3) colleges and universities;

specialty crop industry by providing science-based tools to address needs of specific crops and regions, including—

“(1) fundamental and applied work in plant breeding, genetics, and genomics to improve crop characteristics, such as—

“(A) product appearance, quality, taste, yield, and shelf life;

“(B) environmental responses and tolerances;

“(C) plant-nutrient uptake efficiency resulting in improved nutrient management;

“(D) pest and disease management, including resilience to pests and diseases resulting in reduced application management strategies; and

“(E) enhanced phytonutrient content;

“(2) efforts to prevent, identify, control, or eradicate invasive species;

“(3) methods of improving agricultural production by developing more technologically-efficient and effective applications of water, nutrients, and pesticides to reduce energy use;

“(4) new innovations and technology to enhance mechanization and reduce reliance on labor;

“(5) methods of improving production efficiency, productivity, sustainability, and profitability over the long term;

“(6) methods to prevent, control, and respond to human pathogen contamination of specialty crops, including fresh-cut produce;

“(7) methods of improving the supply and effectiveness of pollination for specialty crop production; and

“(8) efforts relating to optimizing the production of organic specialty crops.

“(d) Eligible Entities- The Secretary may carry out the Initiative through—

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- “(4) research institutions and organizations;
- “(5) private organizations or corporations;
- “(6) State agricultural experiment stations; and
- “(7) individuals.

“(d) **RESEARCH PROJECTS.**—In carrying out this section, the Secretary shall award grants on a competitive basis.

“(e) **ADMINISTRATION.**—

“(1) **IN GENERAL.**—For grants awarded under subsection (d) the Secretary shall—

“(A) seek and accept proposals for grants;

“(B) determine the relevance and merit of proposals through a system of peer review in accordance with section 103; and

“(C) award grants on the basis of merit, quality, and relevance.

“(2) **TERM.**—A grant under this section shall have a term that does not exceed 5 years.

“(3) **OTHER CONDITIONS.**—The Secretary may set such other conditions on the award of a grant under this section as the Secretary determines appropriate.

“(f) **BUILDINGS AND FACILITIES.**—Funds made available under this section shall not be used for the construction of a new building or facility or the acquisition, expansion remodeling, or alteration of an existing building or facility (including site grading and improvement and architect fees).

“(g) **FUNDING.**—There is authorized to be appropriated \$100,000,000 for each of fiscal years 2008 through 2012 to carry out this section.

“(h) **ADDITIONAL FUNDING.**—In addition to funds made available under subsection (g), of the funds of the Commodity Credit Corporation, the Secretary shall make available to carry out this section a total of \$215,000,000 for fiscal years 2008 through 2012.”.

(b) **COORDINATION.**— In carrying out this section, the Secretary shall ensure that the Director of the applicable Program Office established under section 7104(a) coordinates projects and activities carried out under this section to ensure, to the maximum extent practicable, that duplication of effort is eliminated or minimized.

- `(1) Federal agencies;
- `(2) national laboratories;
- `(3) institutions of higher education;
- `(4) research institutions and organizations;
- `(5) private organizations and corporations;
- `(6) State agricultural experiment stations; and
- `(7) individuals.

`(e) **Research Projects-** In carrying out this section, the Secretary may—

`(1) carry out research; and

`(2) award grants on a competitive basis.

`(f) **Priorities-** In making grants under this section, the Secretary shall provide a higher priority to projects that—

`(1) are multistate, multi-institutional, or multidisciplinary; and

`(2) include explicit mechanisms to communicate usable results to producers and the public.

`(g) **Funding-** Of the funds of the Commodity Credit Corporation, the Secretary shall use to carry out this section \$16,000,000 for each of fiscal years 2008 through 2012, to remain available until expended.’.

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<p>SEC. 7412. OFFICE OF PEST MANAGEMENT POLICY.</p> <p>Section 614(f) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7653(f)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7212. OFFICE OF PEST MANAGEMENT POLICY.</p> <p>(a) In General- Section 614(b) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7653(b)) is amended—</p> <p>(1) in the matter preceding paragraph (1), by striking ‘Department’ and inserting ‘Office of the Chief Economist’;</p> <p>(2) in paragraph (1), by striking ‘the development and coordination’ and inserting ‘the development, coordination, and representation’; and</p> <p>(3) in paragraph (3), by striking ‘assisting other agencies of the Department in fulfilling their’ and inserting ‘enabling the Secretary to fulfill the statutory’.</p> <p>(b) Authorization of Appropriations- Section 614(f) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7653(f)) is amended by striking ‘2007’ and inserting ‘2012’.</p>
<p>No comparable provision.</p>	<p>SEC. 7213. FOOD ANIMAL RESIDUE AVOIDANCE DATABASE PROGRAM.</p> <p>Section 604 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7642) is amended by adding at the end the following:</p> <p>‘(e) Authorization of Appropriations- There is authorized to be appropriated to carry out this section \$2,500,000 for each of fiscal years 2008 through 2012.’.</p>
<p style="text-align: center;">Subtitle E—Other Laws</p>	<p style="text-align: center;">Subtitle D--Other Laws</p>
<p>SEC. 7501. CRITICAL AGRICULTURAL MATERIALS ACT.</p> <p>Section 16(a) of the Critical Agricultural Materials Act (7 U.S.C. 178n(a)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7301. CRITICAL AGRICULTURAL MATERIALS ACT.</p> <p>Section 16(a) of the Critical Agricultural Materials Act (7 U.S.C. 178n(a)) is amended by striking ‘2007’ and inserting ‘2012’.</p>
<p>SEC. 7502. EQUITY IN EDUCATIONAL LAND-GRANT STATUS ACT OF 1994.</p> <p>(a) ENDOWMENT FOR 1994 INSTITUTIONS.—Section 533(b) of the Equity in</p>	<p>SEC. 7302. EQUITY IN EDUCATIONAL LAND-GRANT STATUS ACT OF 1994.</p>

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<p>Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103–382) is amended in the first sentence by striking “2007” and inserting “2012”.</p> <p>(b) INSTITUTIONAL CAPACITY BUILDING GRANTS.—Section 535 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103–382) is amended by striking “2007” each place it appears and inserting “2012”.</p> <p>(c) RESEARCH GRANTS.—Section 536(c) of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103–382) is amended in the first sentence by striking “2007” and inserting “2012”.</p>	<p>(a) Definition of 1994 Institutions- Section 532 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) is amended by adding at the end the following:</p> <p style="padding-left: 40px;">“(34) Ilisagvik College.”</p> <p>(b) Endowment for 1994 Institutions- Section 533(b) of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) is amended in the first sentence by striking `2007' and inserting `2012'.</p> <p>(c) Institutional Capacity Building Grants- Section 535 of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) is amended by striking `2007' each place it appears and inserting `2012'.</p> <p>(d) Research Grants- Section 536(c) of the Equity in Educational Land-Grant Status Act of 1994 (7 U.S.C. 301 note; Public Law 103-382) is amended in the first sentence by striking `2007' and inserting `2012'.</p>
<p>SEC. 7503. AGRICULTURAL EXPERIMENT STATION RESEARCH FACILITIES ACT.</p> <p>Section 6(a) of the Research Facilities Act (7 U.S.C. 390d(a)) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7305. RESEARCH FACILITIES ACT.</p> <p>Section 6(a) of the Research Facilities Act (7 U.S.C. 390d(a)) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7504. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND TEACHING POLICY ACT AMENDMENTS OF 1985.</p> <p>Section 1431 of the National Agricultural Research, Extension, and Teaching Policy Act Amendments of 1985 (Public Law 99–198; 99 Stat. 1556) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 7306. NATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND TEACHING POLICY ACT AMENDMENTS OF 1985.</p> <p>Section 1431 of the National Agricultural Research, Extension, and Teaching Policy Act Amendments of 1985 (Public Law 99-198; 99 Stat. 1556) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7505. COMPETITIVE, SPECIAL, AND FACILITIES RESEARCH GRANT ACT (NATIONAL RESEARCH INITIATIVE).</p> <p>Section 2 of the Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i) is amended—</p> <p style="padding-left: 40px;">(1) in subsection (b)(10), by striking “2007” and inserting “2012”; and</p> <p style="padding-left: 40px;">(2) by striking subsection (g).</p>	<p>SEC. 7307. COMPETITIVE, SPECIAL, AND FACILITIES RESEARCH GRANT ACT.</p> <p>(a) Competitive Grants- The Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i) is amended in subsection (b)—</p> <p style="padding-left: 40px;">(1) in paragraph (2)—</p> <p style="padding-left: 80px;">(A) in the matter preceding subparagraph (A)—</p>

(i) by striking `in the areas' and all that follows through `needs shall be' and inserting `, as'; and

(ii) by striking `year.' and inserting `year, relating to--';

(B) in subparagraph (B), by striking `production efficiency and animal well-being' and inserting `production efficiency, animal well-being, and the judicious use of antibiotics';

(C) in subparagraph (D), by striking `surface water and ground water quality' and inserting `surface water quality and ground water quality, including the reduction of antibiotics or antibiotic-resistant bacteria';

(D) in subparagraph (E), by striking `and' at the end and inserting `; agricultural genomics and biotechnology, including the application of genomics and bioinformatics tools to develop traits in plants and animals (translational genomics)';

(E) in subparagraph (F), by striking the period at the end and inserting `, including areas of concern to beginning farmers or ranchers; and'; and

(F) by adding at the end the following:

`(G) classical plant and animal breeding, including cultivar and breed development, selection theory, applied quantitative genetics, breeding for organic and sustainable systems, breeding for improved nutritional and eating quality, breeding for improved local adaptation to biotic stress, abiotic stress, and climate change, and participatory breeding with farmers and end users.';

(2) in paragraph (4)—

(D) by striking `The' and inserting the following:

`(A) IN GENERAL- Subject to subparagraph (B), the'; and

(E) by adding at the end the following:

`(B) CLASSICAL PLANT AND ANIMAL BREEDING-

`(i) TERM- The term of a competitive grant relating to classical plant and animal breeding under paragraph (2)(G) shall not exceed 10 years.

`(ii) AVAILABILITY- Funds made available for a fiscal year for a competitive grant relating to classical plant and animal breeding under paragraph (2)(G) shall remain available until expended to pay for obligations incurred in that fiscal year.'; and

(3) in paragraph (10), by striking `2007' and inserting `2012'.

(b) National Research Support Project-7- The Competitive, Special, and Facilities Research Grant Act (7 U.S.C. 450i) is amended by adding at the end the following:

`(1) National Research Support Project-7-

`(1) DEFINITIONS- In this subsection:

`(A) PROJECT- The term `project' means the project established by the Secretary under paragraph (2).

`(B) SECRETARY- The term `Secretary' means the Secretary of Agriculture.

`(2) ESTABLISHMENT- The Secretary shall establish the National Research Support Project-7—

`(A) to identify the animal drug needs for—

`(i) minor species; and

`(ii) minor uses in major species;

`(B) to generate and disseminate data to ensure the safe, effective, and lawful use of drugs to be used primarily for the therapy or reproductive management of minor animal species; and

`(C) to facilitate the development and approval of drugs for minor species, and minor uses in major species, by the Center for Veterinary Medicine of the Food and Drug Administration.

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`(3) ADMINISTRATION OF PROJECT-

`(A) NATIONAL RESEARCH SUPPORT PROJECT-7- The Secretary shall carry out the project in accordance with each purpose and principle of the National Research Support Project-7 carried out by the Administrator of the Cooperative State Research, Education, and Extension Service as of the day before the date of enactment of this subsection.

`(B) CONSULTATION WITH OTHER ENTITIES- The Secretary shall carry out the project in consultation with—

`(i) the Commissioner of Food and Drugs;

`(ii) State agricultural experiment stations;

`(iii) institutions of higher education;

`(iv) private entities; and

`(v) any other interested individual or entity.

`(4) AUTHORIZATION OF APPROPRIATIONS- There are authorized to be appropriated such sums as are necessary to carry out this subsection.'

SEC. 7506. AGRICULTURAL RISK PROTECTION ACT OF 2000 (CARBON CYCLE RESEARCH).

Section 221(g) of the Agricultural Risk Protection Act of 2000 (7 U.S.C. 6711(g)) is amended by striking “2007” and inserting “2012”.

SEC. 7315. CARBON CYCLE RESEARCH.

(a) In General- To the extent funds are made available, the Secretary shall provide a grant to the Consortium for Agricultural Soils Mitigation of Greenhouse Gases, acting through Kansas State University, to develop, analyze, and implement, through the land grant universities described in subsection (b), carbon cycle and greenhouse gas management research at the national, regional, and local levels.

(b) Land Grant Universities- The land grant universities referred to in subsection (a) are—

(1) Colorado State University;

(2) Iowa State University;

- (3) Kansas State University;
- (4) Michigan State University;
- (5) Montana State University;
- (6) Purdue University;
- (7) Ohio State University;
- (8) Texas A&M University; and
- (9) University of Nebraska.

(c) Use- Land grant universities described in subsection (b) shall use funds made available under this section—

- (1) to conduct research to improve the scientific basis of using land management practices to increase soil carbon sequestration, including research on the use of new technologies to increase carbon cycle effectiveness, such as biotechnology and nanotechnology;
- (2) to conduct research on management of other greenhouse gases in the agricultural sector;
- (3) to enter into partnerships to identify, develop, and evaluate agricultural best practices, including partnerships between—
 - (A) Federal, State, or private entities; and
 - (B) the Department of Agriculture;
- (4) to develop necessary computer models to predict and assess the carbon cycle;
- (5) to estimate and develop mechanisms to measure carbon levels made available as a result of—
 - (A) voluntary Federal conservation programs;

(B) private and Federal forests; and

(C) other land uses;

(6) to develop outreach programs, in coordination with Extension Services, to share information on carbon cycle and agricultural best practices that is useful to agricultural producers; and

(7) to collaborate with the Great Plains Regional Earth Science Application Center to develop a space-based carbon cycle remote sensing technology program—

(A) to provide, on a near-continual basis, a real-time and comprehensive view of vegetation conditions;

(B) to assess and model agricultural carbon sequestration; and

(C) to develop commercial products.

(d) Cooperative Research-

(1) **IN GENERAL-** Subject to the availability of appropriations, the Secretary, in cooperation with departments and agencies participating in the U.S. Global Change Research Program and eligible entities, may carry out research to promote understanding of—

(A) the flux of carbon in soils and plants (including trees); and

(B) the exchange of other greenhouse gases from agriculture.

(2) **ELIGIBLE ENTITIES-** Research under this subsection may be carried out through the competitive awarding of grants and cooperative agreements to colleges and universities (as defined in section 1404 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3103)).

(3) **COOPERATIVE RESEARCH PURPOSES-** Research conducted under this subsection shall encourage collaboration among scientists with expertise in the areas of soil science, agronomy, agricultural economics, forestry, and other agricultural sciences to focus on—

(A) developing data addressing carbon losses and gains in soils and plants (including trees) and the exchange of methane and nitrous oxide from agriculture;

(B) understanding how agricultural and forestry practices affect the sequestration of carbon in soils and plants (including trees) and the exchange of other greenhouse gases, including the effects of new technologies such as biotechnology and nanotechnology;

(C) developing cost-effective means of measuring and monitoring changes in carbon pools in soils and plants (including trees), including computer models;

(D) evaluating the linkage between Federal conservation programs and carbon sequestration;

(E) developing methods, including remote sensing, to measure the exchange of carbon and other greenhouse gases sequestered, and to evaluate leakage, performance, and permanence issues; and

(F) assessing the applicability of the results of research conducted under this subsection for developing methods to account for the impact of agricultural activities (including forestry) on the exchange of greenhouse gases.

(e) Extension Projects-

(1) IN GENERAL- The Secretary, in cooperation with departments and agencies participating in the U.S. Global Change Research Program and local extension agents, experts from institutions of higher education that offer a curriculum in agricultural and biological sciences, and other local agricultural or conservation organizations, may implement extension projects (including on-farm projects with direct involvement of agricultural producers) that combine measurement tools and modeling techniques into integrated packages to monitor the carbon sequestering benefits of conservation practices and the exchange of greenhouse gas emissions from agriculture that demonstrate the feasibility of methods of measuring and monitoring—

(A) changes in carbon content and other carbon pools in soils and plants (including trees); and

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	<p>(B) the exchange of other greenhouse gases.</p> <p>(2) EDUCATION AND OUTREACH- The Secretary shall make available to agricultural producers, private forest landowners, and appropriate State agencies in each State information concerning—</p> <p>(A) the results of projects under this subsection;</p> <p>(B) the manner in which the methods used in the projects might be applicable to the operations of the agricultural producers, private forest landowners, and State agencies; and</p> <p>(C) information on how agricultural producers and private forest landowners can participate in carbon credit and greenhouse gas trading system.</p> <p>(f) Repeal- Section 221 of the Agricultural Risk Protection Act of 2000 (7 U.S.C. 6711) is repealed.</p> <p>(g) Authorization of Appropriations- There is authorized to be appropriated to carry out this section \$15,000,000 for each of fiscal years 2008 through 2012.</p>
<p>SEC. 7507. RENEWABLE RESOURCES EXTENSION ACT OF 1978.</p> <p>(a) AUTHORIZATION OF APPROPRIATIONS.—Section 6 of the Renewable Resources Extension Act of 1978 (16 U.S.C. 1675) is amended by striking “2007” and inserting “2012”.</p> <p>(b) TERMINATION DATE.—Section 8 of the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 note; Public Law 95–306) is amended by striking “2007” and inserting “2012”.</p>	<p>SEC. 8201. RENEWABLE RESOURCES EXTENSION ACTIVITIES.</p> <p>(a) Authorization of Appropriations- Section 6 of the Renewable Resources Extension Act of 1978 (16 U.S.C. 1675) is amended in the first sentence by striking `2007' and inserting `2012'.</p> <p>(b) Termination Date- Section 8 of the Renewable Resources Extension Act of 1978 (16 U.S.C. 1671 note; Public Law 95-306) is amended by striking `2007' and inserting `2012'.</p>
<p>SEC. 7508. NATIONAL AQUACULTURE ACT OF 1980.</p> <p>Section 10 of the National Aquaculture Act of 1980 (16 U.S.C. 2809) is amended by striking “2007” each place it appears and inserting “2012”.</p>	<p>SEC. 7311. NATIONAL AQUACULTURE ACT OF 1980.</p> <p>Section 10 of the National Aquaculture Act of 1980 (16 U.S.C. 2809) is amended by striking `2007' each place it appears and inserting `2012'.</p>

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SEC. 7509. CONSTRUCTION OF A CHINESE GARDEN AT THE NATIONAL ARBORETUM.

The Act of March 4, 1927 (20 U.S.C. 191 et seq.), is amended by adding at the end the following:

“SEC. 197. CONSTRUCTION OF A CHINESE GARDEN AT THE NATIONAL ARBORETUM.

“A Chinese Garden may be constructed at the National Arboretum established under this Act with—

“(1) funds accepted under the provisions of section 195 (20 U.S.C. 195);

“(2) authorities provided to the Secretary of Agriculture under section 196 (20 U.S.C. 196); and

“(3) appropriations provided for this purpose.”.

SEC. 7312. NATIONAL ARBORETUM.

The Act of March 4, 1927 (20 U.S.C. 191 et seq.), is amended by adding at the end the following:

SEC. 7. CONSTRUCTION OF A CHINESE GARDEN AT NATIONAL ARBORETUM.

“(a) In General- A Chinese Garden may be constructed at the National Arboretum established under this Act with—

“(1) funds accepted under section 5; and

“(2) authorities provided to the Secretary of Agriculture under section 6.

“(b) Report- Each year the Secretary of Agriculture shall submit to Congress, and post on the public website of the National Arboretum, an itemized budget that shall describe, for the preceding year—

“(1) the total costs of the National Arboretum;

“(2) the costs of—

“(A) operation and maintenance;

“(B) horticulture and grounds;

“(C) visitor services; and

“(D) supplies and materials;

“(3) indirect costs of the Agricultural Research Service relating to the National Arboretum; and

“(4) the total number of visitors to the National Arboretum

“(c) Limitation- No Federal funds shall be used for the construction of the Chinese Garden authorized under subsection (a).’.

SEC. 7510. PUBLIC EDUCATION REGARDING USE OF BIOTECHNOLOGY IN PRODUCING

No comparable provision.

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FOOD FOR HUMAN CONSUMPTION.

Section 10802(b) of the Farm Security and Rural Investment Act of 2002 (7 U.S.C. 5921a(b)) is amended by striking “2007” and inserting “2012”.

SEC. 7511. FRESH CUT PRODUCE SAFETY GRANTS.

(a) **IN GENERAL.**—The Secretary may award competitive research and extension grants to eligible entities to enable such entities to design, implement, and evaluate innovative, cost-effective programs to improve and enhance the safety of fresh cut produce.

(b) **ELIGIBLE ENTITIES.**—To be eligible to receive a grant under subsection (a) an entity shall—

- (1) be a university, college, or other entity designated by the Secretary; and
- (2) have developed partnerships with producers of fresh cut produce.

(c) **USE OF FUNDS.**—An entity shall use funds received under a grant under this section to—

- (1) improve sanitation and food safety practices in the processing of fresh cut produce;
- (2) develop improved techniques to monitor and inspect fresh cut produce;
- (3) develop efficient, rapid and sensitive methods to detect contaminants in fresh cut produce;
- (4) determine the sources of contamination in fresh cut produce;
- (5) develop methods to reduce or destroy harmful pathogens before, during, and after processing of fresh cut produce; and
- (6) conduct other research as determined appropriate by the Secretary.

(d) **MATCHING FUNDS REQUIRED.**—The Secretary shall require the recipient of a grant under this section to provide funds or in-kind support from non-Federal sources in an amount at least equal to the amount provided by the Federal Government.

(e) **COORDINATION.**—In carrying out this section, the Secretary shall ensure that the Director of the applicable Program Office established under section 7104(a) coordinates projects and activities carried out under this section to ensure, to the maximum extent practicable, that duplication of effort is eliminated or minimized.

SEC. 7211. SPECIALTY CROP RESEARCH INITIATIVE.

Title IV of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7621 et seq.) is amended by adding at the end the following:

SEC. 412. SPECIALTY CROP RESEARCH INITIATIVE.

(a) **Definitions.**—In this section:

(1) **INITIATIVE.**—The term ‘Initiative’ means the specialty crop research initiative established by subsection (b).

(2) **SPECIALTY CROP.**—The term ‘specialty crop’ has the meaning given the term in section 3 of the Specialty Crops Competitiveness Act of 2004 (7 U.S.C. 1621 note; Public Law 108-465).

(b) **Establishment.**—There is established within the Department a specialty crop research initiative.

(c) **Purpose.**—The purpose of the Initiative shall be to address the critical needs of the specialty crop industry by providing science-based tools to address needs of specific crops and regions, including—

(1) fundamental and applied work in plant breeding, genetics, and genomics to improve crop characteristics, such as—

(A) product appearance, quality, taste, yield, and shelf life;

(B) environmental responses and tolerances;

(C) plant-nutrient uptake efficiency resulting in improved nutrient management;

(D) pest and disease management, including resilience to pests and diseases resulting in reduced application management strategies; and

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(f) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2008 through 2012.

(g) **ADDITIONAL FUNDING.**—In addition to funds made available under subsection (f), of the funds of the Commodity Credit Corporation, the Secretary shall make available to carry out this section a total of \$25,000,000 for fiscal years 2008 through 2012.

`(E) enhanced phytonutrient content;

`(2) efforts to prevent, identify, control, or eradicate invasive species;

`(3) methods of improving agricultural production by developing more technologically-efficient and effective applications of water, nutrients, and pesticides to reduce energy use;

`(4) new innovations and technology to enhance mechanization and reduce reliance on labor;

`(5) methods of improving production efficiency, productivity, sustainability, and profitability over the long term;

`(6) methods to prevent, control, and respond to human pathogen contamination of specialty crops, including fresh-cut produce;

`(7) methods of improving the supply and effectiveness of pollination for specialty crop production; and

`(8) efforts relating to optimizing the production of organic specialty crops.

`(d) Eligible Entities- The Secretary may carry out the Initiative through—

`(1) Federal agencies;

`(2) national laboratories;

`(3) institutions of higher education;

`(4) research institutions and organizations;

`(5) private organizations and corporations;

`(6) State agricultural experiment stations; and

`(7) individuals.

`(e) Research Projects- In carrying out this section, the Secretary may—

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	<p>`(1) carry out research; and</p> <p>`(2) award grants on a competitive basis.</p> <p>`(f) Priorities- In making grants under this section, the Secretary shall provide a higher priority to projects that—</p> <p>`(1) are multistate, multi-institutional, or multidisciplinary; and</p> <p>`(2) include explicit mechanisms to communicate usable results to producers and the public.</p> <p>`(g) Funding- Of the funds of the Commodity Credit Corporation, the Secretary shall use to carry out this section \$16,000,000 for each of fiscal years 2008 through 2012, to remain available until expended.'</p>
<p>SEC. 7512. UDC/EFNEP ELIGIBILITY.</p> <p>Section 208 of the District of Columbia Public Postsecondary Education Reorganization Act (Public Law 93–471) is amended—</p> <p>(1) in subsection (b)(2), by striking “, except” and all that follows through the period and inserting a period;</p> <p>(2) in subsection (c), by striking “section 3” each place it appears and inserting “section 3(c)”; and</p> <p>(3) in subsection (c), by striking “such sums may be used to pay” and all that follows through “work.”.</p>	<p>SEC. 7313. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT OF COLUMBIA FOR CERTAIN LAND-GRANT UNIVERSITY ASSISTANCE.</p> <p>Section 208 of the District of Columbia Public Postsecondary Education Reorganization Act (Public Law 93-471; 88 Stat. 1428) is amended—</p> <p>(1) in subsection (b)(2), by striking ` , except' and all that follows through the period and inserting a period; and</p> <p>(2) in subsection (c)--</p> <p>(A) by striking `section 3' each place it appears and inserting `section 3(c)'; and</p> <p>(B) by striking `Such sums may be used to pay' and all that follows through `work.'.</p>
<p>SEC. 7513. HATCH ACT OF 1987.</p> <p>Section 3(d)(4) of the Hatch Act of 1887 (7 U.S.C. 351c(d)(4)) is amended—</p> <p>(1) in the paragraph heading, by inserting “AND THE DISTRICT OF COLUMBIA” after “AREAS”;</p>	<p>SEC. 7304. HATCH ACT OF 1887.</p> <p>(a) District of Columbia- Section 3(d)(4) of the Hatch Act of 1887 (7 U.S.C. 361c(d)(4)) is amended—</p> <p>(1) in the paragraph heading, by inserting `AND THE DISTRICT OF</p>

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(2) in subparagraph (A), by inserting “ and the District of Columbia” after “United States”;

(3) in subparagraph (A), by inserting “and the District of Columbia” after “respectively,”; and

(4) in subparagraph (B), by inserting “or the District of Columbia” after “area”.

COLUMBIA' after `AREAS';

(2) in subparagraph (A)—

(A) by inserting `and the District of Columbia' after `United States'; and

(B) by inserting `and the District of Columbia' after `respectively,'; and

(3) in subparagraph (B), by inserting `or the District of Columbia' after `area'.

(b) Elimination of Penalty Mail Authorities-

(1) IN GENERAL- Section 6 of the Hatch Act of 1887 (7 U.S.C. 361f) is amended in the first sentence by striking `under penalty indicia:' and all that follows through the end of the sentence and inserting a period.

(2) CONFORMING AMENDMENTS IN OTHER LAWS-

(A) NATIONAL AGRICULTURAL RESEARCH, EXTENSION, AND TEACHING POLICY ACT OF 1977-

(i) Section 1444(f) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221(f)) is amended by striking `under penalty indicia:' and all that follows through the end of the sentence and inserting a period.

(ii) Section 1445(e) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3222(e)) is amended by striking `under penalty indicia:' and all that follows through the end of the sentence and inserting a period.

(B) OTHER PROVISIONS- Section 3202(a) of title 39, United States Code, is amended—

(i) in paragraph (1)—

(I) in subparagraph (D), by adding `and' at the end;

(II) in subparagraph (E), by striking `sections; and' and inserting `sections.'; and

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	<p>(III) by striking subparagraph (F);</p> <p>(ii) in paragraph (2), by adding `and' at the end;</p> <p>(iii) in paragraph (3) by striking `thereof; and' and inserting `thereof.';</p> <p>and</p> <p>(iv) by striking paragraph (4).</p>
No comparable provision.	<p>SEC. 7303. SMITH-LEVER ACT.</p> <p>(a) Children, Youth, and Families Education and Research Network Program- Section 3 of the Smith-Lever Act (7 U.S.C. 343) is amended by adding at the end the following:</p> <p>`(k) Children, Youth, and Families Education and Research Network Program- Notwithstanding section 3(d)(2) of the Act of May 8, 1914 (7 U.S.C. 343(d)(2)), in carrying out the children, youth, and families education and research network program using amounts made available under subsection (d), the Secretary shall include 1890 Institutions (as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601)) as eligible program applicants and participants.'.</p> <p>(b) Elimination of the Governor's Report Requirement for Extension Activities- Section 5 of the Smith-Lever Act (7 U.S.C. 345) is amended by striking the third sentence.</p>
No comparable provision.	<p>SEC. 7308. EDUCATION GRANTS TO ALASKA NATIVE SERVING INSTITUTIONS AND NATIVE HAWAIIAN SERVING INSTITUTIONS.</p> <p>Section 759 of the Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2000 (7 U.S.C. 3242) is amended—</p> <p>(1) in subsection (a)(3), by striking `2006' and inserting `2012'; and</p> <p>(2) in subsection (b)—</p> <p>(A) in paragraph (2)(A), by inserting before the semicolon at the end the following: `, including permitting consortia to designate fiscal agents for the members of the consortia and to allocate among the members funds</p>

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	<p>made available under this section'; and</p> <p>(B) in paragraph (3), by striking `2006' and inserting `2012'.</p>
<p>No comparable provision.</p>	<p>SEC. 7310. MCINTIRE-STENNIS COOPERATIVE FORESTRY ACT.</p> <p>Section 2 of Public Law 87-788 (commonly known as the `McIntire-Stennis Cooperative Forestry Act') (16 U.S.C. 582a-1) is amended by inserting `and 1890 Institutions (as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601)),' before `and (b)'.</p>
<p>No comparable provision.</p>	<p>SEC. 7314. EXCHANGE OR SALE AUTHORITY.</p> <p>Title III of the Department of Agriculture Reorganization Act of 1994 is amended by adding after section 307 (7 U.S.C. 2204 note; Public Law 103-354) (as amended by section 2602) the following:</p> <p>`SEC. 308. EXCHANGE OR SALE AUTHORITY.</p> <p>`(a) Definition of Qualified Items of Personal Property- In this section, the term `qualified items of personal property' means—</p> <ul style="list-style-type: none"> `(1) animals; `(2) animal products; `(3) plants; and `(4) plant products. <p>`(b) General Authority- Except as provided in subsection (c), notwithstanding chapter 5 of subtitle I of title 40, United States Code, the Secretary of Agriculture, acting through the Under Secretary for Research, Education, and Economics, in managing personal property for the purpose of carrying out the research functions of the Department of Agriculture, may exchange, sell, or otherwise dispose of any qualified items of personal property, including by way of public auction, and may retain and apply the sale or other proceeds, without further appropriation, in whole or in partial payment—</p> <p>`(1) to acquire any qualified items of personal property; or</p>

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	<p> `2) to offset costs related to the maintenance, care, or feeding of any qualified items of personal property.</p> <p> `c) Exception- Subsection (b) does not apply to the free dissemination of new varieties of seeds and germ plasm in accordance with section 520 of the Revised Statutes (commonly known as the `Department of Agriculture Organic Act of 1862') (7 U.S.C. 2201).'</p>
<p>No comparable provision.</p>	<p>SEC. 7316. ENHANCED USE LEASE AUTHORITY PILOT PROGRAM.</p> <p>Title III of the Department of Agriculture Reorganization Act of 1994 is amended by adding after section 309 (as added by section 7402) the following:</p> <p>`SEC. 310. ENHANCED USE LEASE AUTHORITY PILOT PROGRAM.</p> <p> `a) Establishment- To enhance the use of real property administered by agencies of the Department, the Secretary may establish a pilot program, in accordance with this section, at the Henry A. Wallace Beltsville Agricultural Research Center of the Agricultural Research Service and the National Agricultural Library to lease property of the Center or the Library to any individual or entity, including agencies or instrumentalities of State or local governments.</p> <p> `b) Requirements-</p> <p> `1) IN GENERAL- Notwithstanding chapter 5 of subtitle I of title 40, United States Code, the Secretary may lease real property at the Beltsville Agricultural Research Center or the National Agricultural Library in accordance with such terms and conditions as the Secretary may prescribe, if the Secretary determines that the lease—</p> <p> `A) is consistent with, and will not adversely affect, the mission of the Department agency administering the property;</p> <p> `B) will enhance the use of the property;</p> <p> `C) will not permit any portion of Department agency property or any facility of the Department to be used for retail, wholesale, commercial, or residential development;</p>

`(D) will not provide authority for the development or improvement of any new property or facility by any Department agency; and

`(E) will not include any property or facility required for any Department agency purpose without prior written authority.

`(2) TERM- The term of the lease under this section shall not exceed 50 years.

`(3) CONSIDERATION-

`(A) IN GENERAL- Consideration provided for a lease under this section shall be—

`(i) in an amount equal to fair market value, as determined by the Secretary; and

`(ii) in the form of cash.

`(B) USE OF FUNDS-

`(i) IN GENERAL- Consideration provided for a lease under this section shall be—

`(I) deposited in a capital asset account to be established by the Secretary; and

`(II) available until expended, without further appropriation, for maintenance, capital revitalization, and improvements of the Department properties and facilities covered by the lease.

`(ii) BUDGETARY TREATMENT- For purposes of the budget, the amounts described in clause (i) shall not be treated as a receipt of any Department agency or any other agency leasing property under this section.

`(4) COSTS- The lessee shall cover all costs associated with a lease under this section, including the cost of—

`(A) the project to be carried out on property or at a facility covered by the lease;

`(B) provision and administration of the lease;

`(C) construction of any applicable real property;

`(D) provision of applicable utilities; and

`(E) any other facility cost normally associated with the operation of a leased facility.

`(5) PROHIBITION OF USE OF APPROPRIATIONS- The Secretary shall not use any funds made available to the Secretary in an appropriations Act for the construction or operating costs of any property or facility covered by a lease under this section.

`(c) Effect of Other Laws-

`(1) UTILIZATION- Property that is leased pursuant to this section shall not be considered to be unutilized or underutilized for purposes of section 501 of the Stewart B. McKinney Homeless Assistance Act (42 U.S.C. 11411).

`(2) DISPOSAL- Property at the Beltsville Agricultural Research Center or the National Agricultural Library that is leased pursuant to this section shall not be considered to be disposed of by sale, lease, rental, excessing, or surplusing for purposes of section 523 of Public Law 100-202 (101 Stat. 1329-417).

`(d) Reports-

`(1) FISCAL YEARS 2008 THROUGH 2013- For each of fiscal years 2008 through 2013, the Secretary shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate an annual report describing the implementation of the pilot program under this section during the preceding fiscal year, including—

`(A) a copy of each lease entered into pursuant to this section;

`(B) an assessment by the Secretary of the success of the pilot program in promoting the mission of the Beltsville Agricultural Research Center and the National Agricultural Library; and

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(C) recommendations regarding whether the pilot program should be expanded or improved with respect to other Department activities.

(2) FISCAL YEAR 2014 AND THEREAFTER- For fiscal year 2014 and every 5 fiscal years thereafter, the Secretary shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a report described in paragraph (1) relating to the preceding 5-fiscal-year period.'

No comparable provision.

SEC. 7317. RESEARCH AND EDUCATION GRANTS FOR THE STUDY OF ANTIBIOTIC-RESISTANT BACTERIA IN LIVESTOCK.

(a) In General- The Secretary shall provide research and education grants, on a competitive basis—

(1) to study the development of antibiotic-resistant bacteria in livestock; and

(2) to study and ensure the judicious use of antibiotics in livestock production to protect animal health without negatively impacting human public health.

(b) Use of Funds- An entity shall use a grant provided under this section to conduct research relating to--

(1) methods and practices of animal husbandry that ensure the judicious use of antibiotics;

(2) movement and prevention of movement of antibiotics and antibiotic resistance traits from animals into ground and surface water;

(3) safe and effective alternatives to antibiotics;

(4) the effect on antibiotic resistance from various drug use regimens;

(5) the development of better veterinary diagnostics to improve decisionmaking on proper antibiotic use;

(6) the identification of conditions or factors that affect antibiotic use on farms; and

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	<p>(7) the development of procedures to monitor antibiotic use at the farm level to relate findings to on-farm management practices and develop intervention strategies when appropriate.</p>
<p align="center">Subtitle F—Additional Provisions</p>	<p align="center">Subtitle F--Miscellaneous</p>
<p>SEC. 7601. MERIT REVIEW OF EXTENSION AND EDUCATIONAL GRANTS.</p> <p>Section 103 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7613) is amended in subsection (a)(2)(A), by striking “Cooperative State Research, Education, and Extension Service of the Department” and inserting “the National Institute for Food and Agriculture.”.</p>	<p>No comparable provision.</p>
<p>SEC. 7602. REVIEW OF PLAN OF WORK REQUIREMENTS.</p> <p>(a) REVIEW.—The Secretary shall work with university partners in extension and research to review and identify measures to streamline the submission, reporting under, and implementation of plan of work requirements including those under—</p> <ul style="list-style-type: none"> (1) section 1444(d) and 1445(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221(d) and 3222(c), respectively); (2) section 7 of the Hatch Act of 1887 (7 U.S.C. 361g); and (3) section 4 of the Smith-Lever Act (7 U.S.C. 344). <p>(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall provide to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a report regarding the review carried out under subsection (a). The report shall include recommendations—</p> <ul style="list-style-type: none"> (1) to reduce the administrative burden and workload upon institutions associated with plan of work compliance while meeting Department reporting needs for inputs, outputs, and outcome indicators; (2) to streamline the submission and reporting requirements of the plan of work such that it is of practical utility to both the department and the institution; and (3) for any legislative changes necessary to carry out the plan of work 	<p>SEC. 7503. REVIEW OF PLAN OF WORK REQUIREMENTS.</p> <p>(a) Review- The Secretary of Agriculture (referred to in this section as the `Secretary') shall work with university partners in extension and research to review and identify measures to streamline the submission, reporting under, and implementation of plan of work requirements including requirements under—</p> <ul style="list-style-type: none"> (1) sections 1444(d) and 1445(c) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3221(d), 3222(c)); (2) section 7 of the Hatch Act of 1887 (7 U.S.C. 361g); and (3) section 4 of the Smith-Lever Act (7 U.S.C. 344). <p>(b) Report-</p> <ul style="list-style-type: none"> (1) IN GENERAL- Not later than 180 days after the date of enactment of this Act, the Secretary shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a report describing the results of the review conducted under subsection (a). (2) INCLUSIONS- The report shall include recommendations— <ul style="list-style-type: none"> (A) to reduce the administrative burden and workload on institutions

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<p>improvements.</p> <p>(c) CONSULTATION.—In carrying out the review and formulating and compiling the recommendations, the Secretary shall consult with the land grant institutions.</p>	<p>associated with plan of work compliance while meeting the reporting needs of the Department of Agriculture for input, output, and outcome indicators;</p> <p>(B) to streamline the submission and reporting requirements of the plan of work so that the plan of work is of practical utility to both the Department of Agriculture and the institutions; and</p> <p>(C) for any legislative changes necessary to carry out the plan of work improvements.</p> <p>(c) Consultation- In carrying out this section, the Secretary shall consult with land-grant colleges and universities (as defined in section 1404 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3103)).</p>
<p>SEC. 7603. MULTISTATE AND INTEGRATION FUNDING.</p> <p>(a) FUNDS EXPENDED ON INTEGRATION OF RESEARCH AND EXTENSION.—Section 3 of the Hatch Act of 1887 (7 U.S.C. 361c) is amended—</p> <p>(1) in subsection (i)(2)(B), by striking “the lesser of” and inserting “25 percent”; and</p> <p>(2) by striking clauses (i) and (ii).</p> <p>(b) FUNDS EXPENDED ON MULTISTATE COOPERATIVE EXTENSION ACTIVITIES.—Section 3 of the Smith Lever Act (7 U.S.C. 343) is amended—</p> <p>(1) in subsection (h)(2)(B), by striking “the lesser of” and inserting “25 percent”; and</p> <p>(2) by striking clauses (i) and (ii)</p>	<p>No comparable provision.</p>
<p>SEC. 7604. EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM.</p> <p>(a) FUNDING TO 1862, 1890, AND INSULAR AREA INSTITUTIONS.—Section 1425(c)(2)(B) of the National Agriculture Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175(c)(2)(B)) is amended—</p> <p>(1) in the prefatory material, by striking “among the States”;</p> <p>(2) by striking clause (i) and inserting the following:</p> <p>“(i) \$100,000 shall be distributed to each of the land grant</p>	<p>SEC. 7012. NUTRITION EDUCATION PROGRAM.</p> <p>(a) Definitions- Section 1425 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175) is amended—</p> <p>(1) by redesignating subsections (a) through (c) as subsections (b) through (d), respectively;</p> <p>(2) by striking the section heading and ‘Sec. 1425.’ and inserting the following:</p>

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colleges and universities;”;

(3) by redesignating clause (ii) as clause (iii);

(4) by inserting after clause (i) the following:

“(ii) subject to subsection (d), of the remainder, 10 percent in fiscal year 2008, 11 percent in fiscal year 2009, 12 percent in fiscal year 2010, 13 percent in fiscal year 2011, 14 percent in fiscal year 2012, and 15 percent in fiscal year 2013 and each fiscal year thereafter, shall be allocated to each 1890 Institution (as defined in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998) in an amount that bears the same ratio to the total amount to be allocated under this clause as the population of the State living at or below 125 percent of the income poverty guidelines prescribed by the Office of Management and Budget (adjusted pursuant to section 673(2) of the Omnibus Budget Reconciliation Act of 1981 (42 U.S.C. 9902)), bears to the total population of all the States that have 1890 Institutions living at or below 125 percent of the income poverty guidelines, as determined by the last preceding decennial census at the time each such additional amount is first appropriated: *Provided*, That the total allocated under this clause shall not exceed: (I) the amount of the funds appropriated for the conduct of the expanded food and nutrition education program for the fiscal year that are in excess of the amount appropriated for the conduct of the program for the fiscal year ending September 30, 2007, reduced by (II) any amounts expended pursuant to any adjustment under subsection (d); and”;

and

(5) by amending clause (iii), as redesignated—

(A) by striking “allocated to each State” and inserting “allocated to the institution eligible to receive funds under the Act of July 2, 1862 (and including the appropriate insular area institution) in each State (and the University of the District of Columbia, notwithstanding section 208(c) of Public Law 93–471)”;

and

(B) by striking “subparagraph.” and inserting “subparagraph: *Provided*, That the total allocated under this clause to the University of the District of Columbia shall not exceed: (I) the amount described in the proviso to clause (ii), reduced further by (II) the amount allocated under

SEC. 1425. NUTRITION EDUCATION PROGRAM.

(a) Definitions- In this section, the terms ‘1862 Institution’ and ‘1890 Institution’ have the meaning given those terms in section 2 of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7601).’;

(3) in subsection (b) (as redesignated by paragraph (1)), by striking ‘The Secretary’ and inserting the following:

(b) Establishment- The Secretary’; and

(4) in subsection (c) (as so redesignated), by striking ‘In order to enable’ and inserting the following:

(c) Employment and Training- To enable’.

(b) Funding to 1862, 1890, and Insular Area Institutions- Subsection (d) of section 1425 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175) (as redesignated by subsection (a)(1)) is amended—

(1) in the matter preceding paragraph (1), by striking ‘Beginning’ and inserting the following:

(d) Allocation of Funding- Beginning’; and

(2) in paragraph (2), by striking subparagraph (B) and inserting the following:

(B) Notwithstanding section 3(d)(2) of the Act of May 8, 1914 (7 U.S.C. 343(d)(2)), the remainder shall be allocated among the States as follows:

(i) \$100,000 shall be distributed to each 1862 and 1890 land-grant college and university.

(ii)(I) Subject to subclause (II), of the remainder, 10 percent for fiscal year 2008, 11 percent for fiscal year 2009, 12 percent for fiscal year 2010, 13 percent for fiscal year 2011, 14 percent for fiscal year 2012, and 15 percent for each fiscal year thereafter, shall be distributed among the 1890 Institutions, to be allocated to each 1890 Institution in an amount that bears the same ratio to the total amount

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clause (ii).”.

(b) **AUTHORIZATION.**—Section 1425(c)(3) of the National Agriculture Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175(c)(3)) is amended by striking “\$83,000,000 for each of fiscal years 1996 through 2007” and inserting “\$90,000,000 for each of fiscal years 2008 through 2014”.

(c) **EFFECTIVE DATE.**—The amendments made by this section take effect on October 1, 2007.

to be allocated under this clause as—

^(aa) the population living at or below 125 percent of the income poverty guidelines (as prescribed by the Office of Management and Budget and as adjusted pursuant to section 673(2) of the Community Services Block Grant Act (42 U.S.C. 9902(2))) in the State in which the 1890 Institution is located; bears to

^(bb) the total population living at or below 125 percent of the income poverty guidelines in all States that have 1890 Institutions, as determined by the last preceding decennial census at the time each such additional amount is first appropriated.

^(II) The total amount allocated under this clause shall not exceed the amount of the funds appropriated for the conduct of the expanded food and nutrition education program for the fiscal year that are in excess of the amount appropriated for the conduct of the program for fiscal year 2007.

^(iii)(I) Subject to subclauses (II) and (III), the remainder shall be allocated to the 1860 institution in each State (including the appropriate insular area institution and the University of the District of Columbia) in an amount that bears the same ratio to the total amount to be allocated under this subparagraph as—

^(aa) the population of the State living at or below 125 percent of the income poverty guidelines prescribed by the Office of Management and Budget (adjusted pursuant to section 673(2) of the Omnibus Budget Reconciliation Act of 1981 (42 U.S.C. 9902(2))); bears to

^(bb) the total population of all the States living at or below 125 percent of the income poverty guidelines, as determined by the last preceding decennial census at the time each such additional amount is first appropriated.

^(II) The total amount allocated under this clause to the University of the District of Columbia shall not exceed the amount described in

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	<p>clause (ii)(II), reduced by the amount allocated to the University of the District of Columbia under clause (ii).</p> <p>`(III) Nothing in this clause precludes the Secretary from developing educational materials and programs for persons in income ranges above the level designated in this clause.'</p> <p>(c) Authorization of Appropriations- Subsection (d)(3) of section 1425 of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3175) (as redesignated by subsection (a)(1)) is amended—</p> <p>(1) by striking `There is' and inserting the following:</p> <p>`(3) AUTHORIZATION OF APPROPRIATIONS- There is'; and</p> <p>(2) by striking `\$83,000,000 for each of fiscal years 1996 through 2007' and inserting `\$90,000,000 for each of fiscal years 2008 through 2012'.</p> <p>(d) Conforming Amendment- Section 1588(b) of the Food Security Act of 1985 (7 U.S.C. 3175e(b)) is amended by striking `section 1425(c)(2)' and inserting `section 1425(d)(2)'.</p> <p>(e) Effective Date- The amendments made by this section take effect on October 1, 2007.</p>
<p>SEC. 7605. GRANTS TO 1890 SCHOOLS TO EXPAND EXTENSION CAPACITY.</p> <p>Section 1417(b)(4) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(4)) is amended by striking “teaching and research” and inserting “teaching, research, and extension”.</p>	<p>SEC. 7005. GRANTS TO 1890 INSTITUTIONS TO EXPAND EXTENSION CAPACITY.</p> <p>Section 1417(b)(4) of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3152(b)(4)) is amended by striking `teaching and research' and inserting `teaching, research, and extension'.</p>
<p>SEC. 7606. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP PROGRAM.</p> <p>(a) ESTABLISHMENT.—</p> <p>(1) IN GENERAL.—The Secretary of Agriculture shall establish a fellowship program to be known as the “Borlaug International Agricultural Science and Technology Fellowship Program,” to provide fellowships for scientific training to individuals from eligible countries (as described under subsection (b)) who</p>	<p>SEC. 7042. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP PROGRAM.</p> <p>Subtitle K of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3310 et seq.) (as amended by section 7039) is amended by adding at the end the following:</p> <p>`SEC. 1473I. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY</p>

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specialize in agricultural education, research, and extension for study in the United States.

(2) **PROGRAMS.**—The Secretary shall carry out the program established under paragraph (1) through 3 programs designed to assist individual fellowship recipients as follows:

(A) A Graduate Studies Program in Agriculture to assist individuals who participate in graduate agricultural degree training at a United States institution.

(B) An Individual Career Improvement Program to assist agricultural scientists from developing countries to upgrade skills and understanding in agricultural science and technology.

(C) The Borlaug Agricultural Policy Executive Leadership Course to assist senior agricultural policy makers from eligible countries with an initial focus on sub-Saharan Africa and from the newly independent states of the former Soviet Union.

(b) **ELIGIBLE COUNTRIES.**—Developing countries, as determined by the Secretary using a gross national income per capita test, shall be eligible to participate in the program established under this section.

(c) **PURPOSE OF FELLOWSHIPS.**—Fellowships under this section shall promote food security and economic growth in eligible countries by educating a new generation of agricultural scientists, increasing scientific knowledge and collaborative research to improve agricultural productivity, and extending this knowledge to users and their intermediaries in the market place. Fellowships shall support—

(1) training and collaborative research opportunities through exchanges for entry-level international agricultural research scientists, faculty, and policymakers from eligible countries;

(2) collaborative research to improve agricultural productivity;

(3) the transfer of new science and agricultural technologies to strengthen agricultural practice; and

(4) the reduction of barriers to technology adoption.

(d) **FELLOWSHIP RECIPIENTS.**—

(1) **ELIGIBLE CANDIDATES.**—The Secretary may provide fellowships under

FELLOWSHIP PROGRAM.

(a) Fellowship Program-

(1) **IN GENERAL-** The Secretary shall establish a fellowship program, to be known as the 'Borlaug International Agricultural Science and Technology Fellowship Program,' to provide fellowships for scientific training and study in the United States to individuals from eligible countries (as described in subsection (b)) who specialize in agricultural education, research, and extension.

(2) **PROGRAMS-** The Secretary shall carry out the fellowship program by implementing 3 programs designed to assist individual fellowship recipients, including—

(A) a graduate studies program in agriculture to assist individuals who participate in graduate agricultural degree training at a United States institution;

(B) an individual career improvement program to assist agricultural scientists from developing countries in upgrading skills and understanding in agricultural science and technology; and

(C) a Borlaug agricultural policy executive leadership course to assist senior agricultural policy makers from eligible countries, with an initial focus on individuals from sub-Saharan Africa and the newly independent states of the former Soviet Union.

(b) **Eligible Countries-** An eligible country is a developing country, as determined by the Secretary using a gross national income per capita test selected by the Secretary.

(c) **Purpose of Fellowships-** A fellowship provided under this section shall—

(1) promote food security and economic growth in eligible countries by—

(A) educating a new generation of agricultural scientists;

(B) increasing scientific knowledge and collaborative research to improve agricultural productivity; and

(C) extending that knowledge to users and intermediaries in the

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the program authorized by this section to individuals from eligible countries who specialize in or have experience in agricultural education, research, extension, or related fields, including individuals from the public and private sectors, and private agricultural producers.

(2) **CANDIDATE IDENTIFICATION.**—The Secretary shall utilize the expertise of United States land-grant and similar universities, international organizations working in agricultural research and outreach, and national agricultural research organizations to help identify program candidates for fellowships under this section from both the public and private sectors of eligible countries.

(e) **USE OF FELLOWSHIPS.**—Fellowships shall promote collaborative programs between agricultural professionals of eligible countries with those of the United States and the international agricultural research system and, as appropriate, with United States entities conducting research. They will be used to support fellowship recipients through the Graduate Studies Program in Agriculture established under subsection (a)(2)(A).

(f) **PROGRAM IMPLEMENTATION.**—The Secretary shall provide for the management, coordination, evaluation and monitoring of the overall Borlaug International Agricultural Science and Technology Fellowship Program and for the individual programs described in subsection (a)(2), except that the Secretary may contract out to one or more collaborating universities the management of one or more of the fellowship programs.

(g) **AUTHORIZATION OF APPROPRIATIONS.**—There are authorized to be appropriated without fiscal year limitation such sums as may be necessary to carry out the program established under this section.

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marketplace; and

`(2) shall support—

`(A) training and collaborative research opportunities through exchanges for entry level international agricultural research scientists, faculty, and policymakers from eligible countries;

`(B) collaborative research to improve agricultural productivity;

`(C) the transfer of new science and agricultural technologies to strengthen agricultural practice; and

`(D) the reduction of barriers to technology adoption.

`(d) Fellowship Recipients-

`(1) **ELIGIBLE CANDIDATES-** The Secretary may provide fellowships under this section to individuals from eligible countries who specialize in or have experience in agricultural education, research, extension, or related fields, including—

`(A) individuals from the public and private sectors; and

`(B) private agricultural producers.

`(2) **CANDIDATE IDENTIFICATION-** The Secretary shall use the expertise of United States land grant colleges and universities and similar universities, international organizations working in agricultural research and outreach, and national agricultural research organizations to help identify program candidates for fellowships under this section from the public and private sectors of eligible countries.

`(e) Use of Fellowships- A fellowship provided under this section shall be used—

`(1) to promote collaborative programs among agricultural professionals of eligible countries, agricultural professionals of the United States, the international agricultural research system, and, as appropriate, United States entities conducting research; and

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	<p>(2) to support fellowship recipients through programs described in subsection (a)(2).</p> <p>(f) Program Implementation- The Secretary shall provide for the management, coordination, evaluation, and monitoring of the overall Borlaug International Agricultural Science and Technology Fellowship Program and for the individual programs described in subsection (a)(2), except that the Secretary may contract out to 1 or more collaborating universities the management of 1 or more of the fellowship programs.</p> <p>(g) Authorization of Appropriations- There are authorized to be appropriated such sums as are necessary to carry out this section, to remain available until expended.'</p>
<p>SEC. 7607. COST RECOVERY.</p> <p>Section 1473A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3319a) is amended by striking “not exceeding 10 percent of the direct cost” and inserting “not exceeding 19 percent of the direct cost”.</p>	<p>SEC. 7031. INDIRECT COST RECOVERY.</p> <p>Section 1473A of the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3319a) is amended in the second sentence by striking “not exceeding 10 percent of the direct cost” and inserting “and shall be the negotiated indirect rate of cost for an institution by the appropriate Federal audit agency for the institution, not to exceed 30 percent.”</p>
<p>SEC. 7608. ORGANIC FOOD AND AGRICULTURAL SYSTEMS FUNDING.</p> <p>It is the sense of Congress that the Secretary of Agriculture should use a share of Agricultural Research Service's total annual funding for research specific to organic food and agricultural systems that is at least commensurate with the organic sector's market, in order to facilitate the development of this growing sector. A portion of these funds should be used to disseminate research results through the National Agriculture Library's Alternative Farming Systems Information Center.</p>	<p>SEC. 7505. SENSE OF SENATE REGARDING ORGANIC RESEARCH.</p> <p>It is the sense of the Senate that—</p> <p>(1) the Secretary should recognize that sales of certified organic products have been expanding by 17 to 20 percent per year for more than a decade, but research and outreach activities relating specifically to certified organic production growth and processing of agricultural products (as defined in section 2103 of the Organic Foods Production Act of 1990 (7 U.S.C. 6502)) has not kept pace with this expansion;</p> <p>(2) research conducted specifically on organic methods and production systems benefits organic and conventional producers and contributes to the strategic goals of the Department of Agriculture, resulting in benefits for trade, human health, the environment, and overall agricultural productivity;</p>

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	<p>(3) in order to meet the needs of the growing organic sector, the Secretary should use a portion of the total annual funds of the Agricultural Research Service for research specific to organic food and agricultural systems that is at least commensurate with the market share of the organic sector of the domestic food retail market; and</p> <p>(4) the increase in funding described in paragraph (3) should include funding for efforts—</p> <p style="padding-left: 40px;">(A) to establish long-term core capacities for organic research;</p> <p style="padding-left: 40px;">(B) to assist organic farmers and farmers intending to transition to organic production systems; and</p> <p style="padding-left: 40px;">(C) to disseminate research results through the Alternative Farming Systems Information Center of the National Agriculture Library.</p>
<p>No comparable provision.</p>	<p>SEC. 7502. DEMONSTRATION PROJECT AUTHORITY FOR TEMPORARY POSITIONS.</p> <p>Notwithstanding section 4703(d)(1) of title 5, United States Code, the amendment to the personnel management demonstration project established in the Department of Agriculture (67 Fed. Reg. 70776 (2002)), shall become effective upon the date of enactment of this Act and shall remain in effect unless modified by law.</p>
<p>No comparable provision.</p>	<p>SEC. 7506. MODIFICATIONS TO INFORMATION TECHNOLOGY SERVICE.</p> <p>(a) In General- The Secretary shall not implement 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 the date that is 60 days after the date on which the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate receive a written determination and report from the Chief Financial Officer or Chief Information Officer of the Department of Agriculture and the Secretary that states that the implementation of the modification is in the best interests of the Department of Agriculture.</p> <p>(b) Report on Proposed Modifications- Not later than 180 days after the date of enactment of this Act, the Secretary shall submit to the Committee on Agriculture of the</p>

House of Representatives, the Committee on Agriculture, Nutrition, and Forestry of the Senate, and the Comptroller General a report on any proposed modification to reduce the availability or provision of any information technology service, or administrative management control of such a service, including data or center service agency, functions, and personnel at the National Finance Center and National Technology Center service locations, that includes—

(1) a business case analysis (including of the near- and long-term costs and benefits to the Department of Agriculture and all other Federal agencies and departments that benefit from services provided by the National Finance Center and the National Information Technology Center service locations) of the proposed modifications, as compared with maintaining administrative management control or information technology service functions and personnel in the existing structure and at present locations; and

(2) an analysis of the impact of any changes in that administrative management control or information technology service (including data or center service agency, functions, and personnel) on the ability of the National Finance Center and National Information Technology Center service locations to provide, in the near- and long-term, to all Federal agencies and departments, cost-effective, secure, efficient, and interoperable—

(A) information technology services;

(B) cross-servicing;

(C) e-payroll services; and

(D) human resource line-of-business services.

(c) Assessment- Not later than 90 days after the date on which the Comptroller General receives the report submitted under subsection (b), the Comptroller General shall submit to the Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate a detailed written assessment of the report that includes an analysis (including of near- and long-term cost benefits and impacts) of the alternatives available to all Federal agencies and departments to acquire cost-effective, secure, efficient, and interoperable information technology, cross-servicing, e-payroll, and human resource line-of-business services.

(d) Operating Reserve-

(1) IN GENERAL- Of annual income amounts in the working capital fund of the Department of Agriculture allocated for the National Finance Center, the Secretary may reserve not more than 4 percent—

(A) for the replacement or acquisition of capital equipment, including equipment for—

(i) the improvement and implementation of a financial management plan;

(ii) information technology; and

(iii) other systems of the National Finance Center; or

(B) to pay any unforeseen, extraordinary costs of the National Finance Center.

(2) AVAILABILITY FOR OBLIGATION-

(A) IN GENERAL- Except as provided in subparagraph (B), none of the amounts reserved under paragraph (1) shall be available for obligation unless the Secretary submits notification of the obligation to—

(i) the Committees on Appropriations and Agriculture of the House of Representatives; and

(ii) the Committees on Appropriations and Agriculture, Nutrition, and Forestry of the Senate.

(B) EXCEPTION- The limitation described in subparagraph (A) shall not apply to any obligation that, as determined by the Secretary, is necessary—

(i) to respond to a declared state of emergency that significantly impacts the operations of the National Finance Center; or

(ii) to evacuate employees of the National Finance Center to a safe haven to continue operations of the National Finance Center.

No comparable provision.

SEC. 7507. 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.

(a) Study by the Department of Agriculture-

(1) IN GENERAL- The Secretary of Agriculture, in coordination with the Economic Research Service, and after consultation with the Secretary of Health and Human Services, shall conduct a study and report to Congress on the state of domestic and international markets for products from cloned animals, including consumer acceptance. Such report shall be submitted to Congress no later than 180 days after the date of enactment of this Act.

(2) CONTENT- The study and report under paragraph (1) shall include a description of how countries regulate the importation of food and agricultural products (including dairy products), the basis for such regulations, and potential obstacles to trade.

(b) Study With the National Academy of Sciences-

(1) IN GENERAL- The Secretary of Health and Human Services shall contract with the National Academy of Sciences to conduct a study and report to Congress regarding the safety of food products derived from cloned animals and the health effects and costs attributable to milk from cloned animals in the food supply. Such report shall be submitted to Congress no later than 1 year after the date of enactment of this Act.

(2) CONTENT- The study and report under paragraph (1) shall include—

(A) a review and an assessment of whether the studies (including peer review studies), data, and analysis used in the draft risk assessment issued by the Food and Drug Administration entitled *Animal Cloning: A Draft Risk Assessment* (issued on December 28, 2006) supported the conclusions drawn by such draft risk assessment and—

(i) whether there were a sufficient number of studies to support such conclusions; and

(ii) whether additional pertinent studies and data exist which were

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	<p>not considered in the draft risk assessment and how this additional information affects the conclusions drawn in such draft risk assessment; and</p> <p>(B) an evaluation and measurement of the potential public health effects and associated health care costs, including any consumer behavior changes and negative impacts on nutrition, health, and chronic diseases that may result from any decrease in dairy consumption, attributable to the commercialization of milk from cloned animals and their progeny.</p> <p>(c) Rule of Construction- Nothing in this section shall be construed to impede ongoing scientific research in artificial reproductive health technologies.</p> <p>(d) Timeframe of Final Risk Assessment- Notwithstanding any other provision of law, the Secretary of Health and Human Services (acting through the Commissioner of Food and Drugs) shall not issue the final risk assessment on the safety of cloned animals and food products derived from cloned animals until the date that the Secretary of Agriculture and the Secretary of Health and Human Services complete the studies required under this section.</p> <p>(e) Continuance of Moratorium- Any voluntary moratorium on introducing food from cloned animals or their progeny into the food supply shall remain in effect at least until the date that the Secretary of Health and Human Services (acting through the Commissioner of Food and Drugs) issues the final risk assessment described in subsection (d).</p>
<p>No comparable provision.</p>	<p>SEC. 7508. ANIMAL BIOSCIENCE FACILITY, BOZEMAN, MONTANA.</p> <p>There is authorized to be appropriated to the Secretary for the period of fiscal years 2008 through 2012 \$16,000,000, to remain available until expended, for the construction in Bozeman, Montana, of an animal bioscience facility within the Agricultural Research Service.</p>