

1 **TITLE VII—RESEARCH**
2 **Subtitle A—General Provisions**

3 **SECTION 7101. SINGLE BUDGET SUBMISSION.**

4 The President shall submit to Congress, together
5 with the annual budget submission of the President, a sin-
6 gle combined budget line item reflecting the total amount
7 requested by the President for funding for agriculture re-
8 search, extension, and related activities for that fiscal year
9 and for the previous five fiscal years, including funding
10 for capacity programs, competitive programs, and other
11 applicable research programs.

12 **SEC. 7102. ADDITIONAL PURPOSES OF AGRICULTURAL RE-**
13 **SEARCH AND EXTENSION.**

14 Section 1403 of the National Agriculture Research,
15 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
16 3102) is amended—

17 (1) in paragraph (6), by striking “and” at the
18 end;

19 (2) in paragraph (7), by striking the period and
20 inserting “; and”; and

21 (3) by adding after paragraph (7) the following:

22 “(8) to integrate and organize the administra-
23 tion of the agricultural research, extension, edu-

1 cation, and related programs administered by the
2 Secretary of Agriculture to respond to 21st century
3 challenges and continue to meet the needs of society
4 from a local, Tribal, State, National, and inter-
5 national perspective;

6 “(9) to minimize duplication, and maximize co-
7 ordination and integration, among all of the pro-
8 grams at all levels through a solution-based ap-
9 proach; and

10 “(10) to position the agricultural research, ex-
11 tension, education, and related programs system to
12 increase the contribution of the system to society
13 through the expansion of the portfolio of the sys-
14 tem.”.

15 **SEC. 7103. THE AGRICULTURAL RESEARCH INSTITUTE.**

16 (a) ESTABLISHMENT.—The Under Secretary of Agri-
17 culture for Research, Education, and Economics (herein-
18 after referred to as “Under Secretary”) shall organize
19 within the office of the Under Secretary 6 research insti-
20 tutes to be known collectively as the “Agricultural Re-
21 search Institute”, which shall coordinate the programs
22 and activities of the research agencies within the mission
23 area in an integrated, multidisciplinary, interdisciplinary,
24 transdisciplinary, interagency, and inter-institutional
25 manner, to the maximum extent practicable. The research

1 institutes within the Agricultural Research Institute are
2 as follows:

3 (1) Renewable energy, resources, and environ-
4 ment.

5 (2) Food safety, nutrition, and health.

6 (3) Plant health and production.

7 (4) Animal health and production.

8 (5) Agriculture systems and technology.

9 (6) Agriculture economics and rural commu-
10 nities.

11 (b) QUALIFICATIONS OF DIRECTORS.—

12 (1) APPOINTMENT AND CLASSIFICATION.—The
13 Under Secretary shall appoint a Director for each
14 *Agricultural* National Research Institute as a senior level ap-
15 pointee in the competitive service.

16 (2) QUALIFICATIONS.—To be eligible for ap-
17 pointment as a Director, an individual shall have—

18 (A) conducted outstanding research in the
19 field of agriculture or forestry;

20 (B) earned a doctoral level degree at an in-
21 stitution of higher education (as defined in
22 **【section 1001 of title 20】**); and

23 (C) met qualification standards prescribed
24 by the Director of the Office of Personnel Man-

1 agement for appointment to a senior level posi-
2 tion of the civil service.

3 (c) DUTIES OF DIRECTORS.—Except as otherwise
4 provided in this Act, each director shall—

5 (1) formulate programs in consultation with the
6 National Agricultural Research, Education and Eco-
7 nomics Advisory Board (7 U.S.C. 3123) (hereinafter
8 referred to as the “Board”);

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

11 (3) cooperate with the Board to plan programs
12 that assist in meeting the future personnel needs of
13 disciplines and ^{programs} activities;

14 (4) develop **department-wide** strategic plan-
15 ning for department-wide research, education, exten-
16 sion, and related activities;

17 (5) establish department-wide priorities for re-
18 search, education, extension, and related ^{programs} activities;

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

21 (7) other duties deemed necessary by the Under
22 Secretary.

23 (d) ADMINISTRATION.—The Under Secretary, in con-
24 junction with the Directors and in consultation with the
25 Board, shall direct and coordinate research, education, ex-

1 tension, and related programs within the relevant agencies
2 of the Department of Agriculture to focus those programs,
3 and the participants, grantees, and other beneficiaries of
4 those programs, on—

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

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

9 (3) exploring other opportunities provided
10 under the programs.

11 (e) PROGRAM INTEGRATION AND COORDINATION.—

12 (1) IN GENERAL.—In accordance with applica-
13 ble law (including regulations), the Under Secretary,
14 in coordination with the Director of each institute
15 and taking into consideration the advice of the
16 Board, shall ensure, to the maximum extent prac-
17 ticable, that the research, education, extension, and
18 related programs are administered, funded, and car-
19 ried out—

20 (A) in an integrated, multidisciplinary,
21 interdisciplinary, transdisciplinary, interagency,
22 and inter-institutional manner that ensures—

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

1 (ii) the focus of all resources and ac-
2 tivities on strategic, priority, problem, op-
3 portunity, and solution areas identified by
4 the Under Secretary and the Directors,
5 taking into consideration the advice of the
6 Board; and

7 (B) among applicable participants, grant-
8 ees, and beneficiaries, in a coordinated manner
9 that encourages and ensures—

10 (i) the most efficient collaborative ap-
11 plication of resources; and

12 (ii) the focus of all resources and ac-
13 tivities on strategic, priority, problem, op-
14 portunity, and solution areas on a local,
15 State, Indian tribal, regional, national, and
16 international basis, as the Under Secretary
17 and each Director, taking into consider-
18 ation the advice of the Board, determine to
19 be appropriate.

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

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

4 (B) the inclusion of appropriate partici-
5 pants and other beneficiaries in those activities,
6 including intramural, extramural, government,
7 university, extension, international, and other
8 appropriate beneficiaries, as determined by the
9 Under Secretary.

10 (f) FUNDING.—The Under Secretary shall fund each
11 research institute through the appropriations available to
12 the various agencies within the mission area. The aggre-
13 gate staff for all research institutes shall not exceed 30
14 full time equivalent positions.

15 (g) PRIORITIZING FEDERAL RESEARCH ACTIVITIES
16 FOR SPECIALTY CROPS.—The Under Secretary, in coordi-
17 nation with the Directors of relevant institutes, shall—

18 (1) coordinate with and assist producers and
19 organizations comprised of program beneficiaries
20 working together to develop and implement applied
21 research and extension related to the United States
22 specialty crop industry;

23 (2) facilitate in the delivery of information to
24 beneficiaries in a user-friendly form, in addition to
25 a standard research publication, and reward pro-

1 viders for their abilities to deliver information to
2 both the scientific community and the end-user; and
3 (3) ensure coordination among research initia-
4 tives funded and sponsored by the Department of
5 Agriculture.

6 **SEC. 7104. ESTABLISHMENT OF COMPETITIVE GRANT PRO-**
7 **GRAMS UNDER THE NATIONAL INSTITUTE**
8 **FOR FOOD AND AGRICULTURE.**

9 There is established within the **【Cooperative State**
10 **Research, Education, and Extension Service】**, the Na-
11 tional Institute of Food and Agriculture under which all
12 competitive grants shall be administered, including the fol-
13 lowing:

14 (1) Integrated Research, Education and Exten-
15 sion Competitive Grants (7 U.S.C. 7626).

16 (2) Sustainable Agriculture Research and Edu-
17 cation (7 U.S.C. 5811).

18 (3) Outreach and Assistance for Socially Dis-
19 advantaged Farmers and Ranchers Competitive
20 Grants (7 U.S.C. 2279(a)).

21 (4) Organic Research and Extension Initiative
22 (7 U.S.C. 5925b).

23 (5) Higher Education Challenge Grants (7
24 U.S.C. 3152(b)(1)).

1 (6) Secondary and Two-Year Postsecondary Ag-
2 riculture Education Challenge Grants (7 U.S.C.
3 3152(j)).

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

7 (8) Multicultural Scholars (7 U.S.C.
8 3152(b)(5)).

9 (9) International Science and Education Com-
10 petitive Grants (7 U.S.C. 3292b).

11 (10) Biotechnology Risk Assessment Research
12 Competitive Grants (7 U.S.C. 7901).

13 (11) Small Business Innovation Research (15
14 U.S.C. 638).

15 (12) Community Food Projects Competitive
16 Grants (7 U.S.C. 2034).

17 (13) Risk Management Education (7 U.S.C.
18 1524).

19 **SEC. 7105. FUNDING FOR THE INSTITUTE FOR FUTURE**
20 **FOOD AND AGRICULTURAL SYSTEMS.**

21 (a) FUNDS FOR CERTAIN GRANTS.—Notwith-
22 standing any other provision of law, of the funds made
23 available for the National Research Initiative (7 U.S.C.
24 450(i)) for competitive research grants, the Secretary
25 shall use 30 percent of the amount appropriated or other-

1 wise made available to carry out a competitive grants pro-
2 gram under the same terms and conditions as those pro-
3 vided in section 401 of the Agricultural Research, Exten-
4 sion, and Education Reform Act of 1998 (7 U.S.C. 7621).

5 (b) OTHER FUNDS.—Funds made available pursuant
6 to section 401(b)(3)(D) of the Agricultural Research, Ex-
7 tension, and Education Reform Act of 1998 (7 U.S.C.
8 7621(b)(3)(D)) shall be transferred to the National Re-
9 search Initiative as authorized under section 2 of the Com-
10 petitive, Special and Facilities Research Grant Act (7
11 U.S.C. 450i).

12 **SEC. 7106. AGRICULTURAL BIOENERGY AND BIOBASED**
13 **PRODUCTS RESEARCH INITIATIVE.**

14 Title IV of the Agricultural Research, Extension, and
15 Education Reform Act of 1998 (7 U.S.C. 7621 et seq.)
16 is amended by adding at the end the following:

17 **“SEC. 412. AGRICULTURAL BIOENERGY AND BIOBASED**
18 **PRODUCTS RESEARCH INITIATIVE.**

19 “(a) DEFINITION.—In this section:

20 “(1) INITIATIVE.—The term ‘initiative’ means
21 the agricultural bioenergy and biobased products re-
22 search initiative established by subsection (b).

23 “(b) ESTABLISHMENT.—There is established within
24 the Department a bioenergy and biobased products re-
25 search initiative to enhance the production, sustainability,

1 and conversion of biomass to renewable fuels and related
2 products.

3 “(c) LABORATORY NETWORK.—

4 “(1) IN GENERAL.—The Secretary shall carry
5 out the Initiative through a bioenergy and biobased
6 product laboratory network that may consist of—

7 “(A) Federal agencies;

8 “(B) national laboratories;

9 “(C) colleges and universities;

10 “(D) research institutions and organiza-
11 tions;

12 “(E) private organizations or corporations;

13 “(F) State agricultural experiment sta-
14 tions; and

15 “(G) individuals.

16 “(2) RESEARCH AND DEVELOPMENT OBJEC-
17 TIVES.—The laboratory network shall focus on im-
18 proving biomass production and sustainability, and
19 improving biomass conversion in biorefineries, by—

20 “(A) leveraging the broad scientific capa-
21 bilities of the Department in—

22 “(i) plant genetics and breeding;

23 “(ii) crop production;

24 “(iii) soil and water science;

25 “(iv) use of agricultural waste;

1 “(v) carbohydrate, lipid, protein, and
2 lignin chemistry and biochemistry;

3 “(vi) enzyme development;

4 “(vii) fermentation;

5 “(viii) microbiology; and

6 “(ix) cellulosic gasification;

7 “(B) supporting bioenergy and biobased
8 product research that will enhance the produc-
9 tion, sustainability, and conversion of biomass
10 to renewable fuels and related products; and

11 “(C) supporting bioenergy and biobased
12 product research, and the dissemination of that
13 research, that will assist in achieving the goals
14 of this section.

15 “(d) COORDINATION.—In carrying out the Initiative,
16 the Secretary shall ensure that the Director of the insti-
17 tute established under section 7103(a)(1) shall coordinate
18 projects and activities carried out under the Initiative with
19 projects and activities under the Biomass Research and
20 Development Act of 2000 to ensure, to the maximum ex-
21 tent practicable, that—

22 “(1) duplication of effort is eliminated or mini-
23 mized; and

24 “(2) the respective strengths of the Department
25 and the Department of Energy are maximized.

1 “(e) RESEARCH PROJECTS.—In carrying out this
2 section, the Secretary may—

3 “(1) carry out research; and

4 “(2) award grants on a competitive basis.

5 “(f) ADMINISTRATION.—

6 “(1) IN GENERAL.—For grants awarded under
7 subsection (e)(2), the Secretary shall—

8 “(A) seek and accept proposals for grants;

9 “(B) determine the relevance and merit of
10 proposals through a system of peer review in
11 accordance with section 7613; and

12 “(C) award grants on the basis of merit,
13 quality, and relevance.

14 “(2) TERM.—A grant under this section shall
15 have a term that does not exceed 5 years.

16 “(3) OTHER CONDITIONS.—The Secretary may
17 set such other conditions on the award of a grant
18 under this section as the Secretary determines ap-
19 propriate.

20 “(g) BUILDINGS AND FACILITIES.—Funds made
21 available under this section shall not be used for the con-
22 struction of a new building or facility or the acquisition,
23 expansion, remodeling, or alteration of an existing build-
24 ing or facility (including site grading and improvement
25 and architect fees).

1 “(h) FUNDING.—There are authorized to be appro-
2 priated \$50,000,000 for each of fiscal years 2008 through
3 2012 to carry out this section.”.

4 **SEC. 7107. ADVISORY BOARD.**

5 Section 1408(g)(1) of National Agricultural Re-
6 search, Extension, and Teaching Policy Act of 1977 (7
7 U.S.C. 3123(g)(1)) is amended by striking “\$350,000”
8 and inserting “\$500,000”.

9 **SEC. 7108. RENEWABLE ENERGY COMMITTEE.**

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

13 “RENEWABLE ENERGY COMMITTEE
14 “SEC. 1408b. (a) Not later than 90 days after the
15 date of the enactment of this section, the executive com-
16 mittee of the Advisory Board shall establish and appoint
17 the initial members of a permanent renewable energy com-
18 mittee that shall be responsible for studying the scope and
19 effectiveness of research, extension, and economics pro-
20 grams affecting the renewable energy industry.

21 “(b) Individuals who are not members of the Advisory
22 Board may be appointed as members of the renewable en-
23 ergy committee. Members of the renewable energy com-
24 mittee shall serve at the discretion of the executive com-
25 mittee.

1 “(c) Not later than 180 days after the establishment
2 of the renewable energy committee, and annually there-
3 after, the renewable energy committee shall submit to the
4 Advisory Board a report containing the findings of its
5 study under subsection (a). The renewable energy com-
6 mittee shall include in each report its recommendations.

7 “(d) In carrying out its functions, the Renewable En-
8 ergy Committee shall coordinate with the Biomass Re-
9 search and Development Act Committee.

10 “(e) In preparing the annual budget recommenda-
11 tions for the Department, the Secretary shall take into
12 consideration those findings and recommendations con-
13 tained in the most-recent report of the renewable energy
14 committee that are adopted by the Advisory Committee.

15 “(f) In the budget material submitted to Congress by
16 the Secretary in connection with the budget submitted
17 pursuant to section 1105 of title 31, United States Code,
18 for a fiscal year, the Secretary shall include a report de-
19 scribing how the Secretary addressed each recommenda-
20 tion of the renewable energy committee described in sub-
21 section (d) of this section.”.

22 **SEC. 7109. SPECIALTY CROP RESEARCH INITIATIVE.**

23 Title IV of the Agricultural Research, Extension, and
24 Education Reform Act of 1998 (7 U.S.C. 7621 et seq.)

1 (as amended by [section 7202]) is amended by adding
2 at the end the following:

3 **“SEC. 413. SPECIALTY CROP RESEARCH INITIATIVE.**

4 “(a) DEFINITIONS.—In this section:

5 “(1) INITIATIVE.—The term ‘Initiative’ means
6 the specialty crop research initiative established by
7 subsection (b).

8 “(2) SPECIALTY CROP.—The term ‘specialty
9 crop’ shall have the meaning given that term in sec-
10 tion 3(1) of the Specialty Crops Competitiveness Act
11 of 2004 (Public Law 108-465).

12 “(b) ESTABLISHMENT.—There is established within
13 the Department a specialty crop research initiative to ad-
14 dress the critical needs of the specialty crop industry by
15 developing and disseminating science-based tools to ad-
16 dress needs of specific crops and their regions, including—

17 “(1) fundamental work in—

18 “(A) plant breeding, genetics, and
19 genomics to improve crop characteristics, such
20 as—

21 “(i) product appearance;

22 “(ii) environmental responses and tol-
23 erances;

24 “(iii) nutrient management;

1 “(iv) pest and disease management;

2 and

3 “(v) enhanced phytonutrient content;

4 “(B) safety;

5 “(C) quality;

6 “(D) yield;

7 “(E) taste; and

8 “(F) shelf life;

9 “(2) efforts to identify and address threats
10 from invasive species;

11 “(3) efforts to improve agricultural production
12 by developing more technologically efficient and ef-
13 fective applications of water, nutrients, and pes-
14 ticides;

15 “(4) new innovations and technology, such as
16 enhancing mechanization and reducing reliance on
17 labor; and

18 “(5) production efficiency, productivity, profit-
19 ability and marketing.

20 “(c) ELIGIBLE ENTITIES.—The Secretary may carry
21 out the Initiative through—

22 “(1) Federal agencies;

23 “(2) national laboratories;

24 “(3) colleges and universities;

25 “(4) research institutions and organizations;

1 “(5) private organizations or corporations;

2 “(6) State agricultural experiment stations; and

3 “(7) individuals.

4 “(d) RESEARCH PROJECTS.—In carrying out this
5 section, the Secretary may—

6 “(1) carry out research and

7 “(2) award grants on a competitive basis.

8 “(e) ADMINISTRATION.—

9 “(1) IN GENERAL.—For grants awarded under
10 subsection (e)(2), the Secretary shall—

11 “(A) seek and accept proposals for grants;

12 “(B) determine the relevance and merit of
13 proposals through a system of peer review in
14 accordance with section 7613 of this title; and

15 “(C) award grants on the basis of merit,
16 quality, and relevance.

17 “(2) TERM.—A grant under this section shall
18 have a term that does not exceed 5 years.

19 “(3) OTHER CONDITIONS.—The Secretary may
20 set such other conditions on the award of a grant
21 under this section as the Secretary determines ap-
22 propriate.

23 “(f) BUILDINGS AND FACILITIES.—Funds made
24 available under this section shall not be used for the con-
25 struction of a new building or facility or the acquisition,

1 expansion remodeling, or alteration of an existing building
2 or facility (including site grading and improvement and
3 architect fees).

4 “(g) FUNDING.—There are authorized to be appro-
5 priated \$100,000,000 for each of fiscal years 2008
6 through 2012 to carry out this section.”.

7 **SEC. 7110. SPECIALTY CROP COMMITTEE REPORT.**

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

12 “(4) Analyses of the specialty crop sector, in-
13 cluding the impact of changes in domestic and inter-
14 national markets, production and new product tech-
15 nologies, alternative policies and macroeconomic con-
16 ditions on specialty crop production, use, farm and
17 retail prices, and farm income and financial stability
18 from a national, regional, and farm-level perspective.

19 “(5) Review of the economic state of the spe-
20 cialty crop industry from a regional perspective.

21 “(6) Development of data that provides applied
22 information useful to specialty crop growers, their
23 associations, and other interested stakeholders in
24 evaluating that industry from a regional and na-
25 tional perspective.”.

1 **SEC. 7111. ESTABLISHMENT OF RESEARCH LABORATORIES**
2 **FOR ANIMAL DISEASES.**

3 (a) DEFINITIONS.—In this section—

4 (1) ANIMAL DISEASE.—The term “animal dis-
5 ease” has the meaning given the term by the Sec-
6 retary.

7 (2) IMPORT.—The term “import” means to
8 move from a place outside the territorial limits of
9 the United States to a place within the territorial
10 limits of the United States.

11 (3) LIVE VIRUS.—The term “live virus” means
12 a live virus of foot-and-mouth disease or a live virus
13 of any other animal disease that is a threat to the
14 health of livestock, as determined by the Secretary.

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

17 (5) STATE.—The term “State” means any of
18 the States, the District of Columbia, the Common-
19 wealth of Puerto Rico, Guam, the Commonwealth of
20 the Northern Mariana Islands, the Virgin Islands of
21 the United States, or any territory or possession of
22 the United States.

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

25 (b) ANIMAL DISEASE RESEARCH.—

1 (1) ESTABLISHMENT OF RESEARCH FACILI-
2 TIES.—The Secretary is authorized to establish re-
3 search laboratories, including the acquisition of nec-
4 essary land, buildings, or facilities, for research on
5 animal diseases in the United States.

6 (2) IN GENERAL.—To the extent the Secretary
7 determines that an animal disease constitutes a
8 threat to the livestock industry, the Secretary is au-
9 thorized to conduct research, diagnostics, and other
10 activities related to the animal disease.

11 (c) RESTRICTIONS REGARDING LIVE VIRUS.—

12 (1) IN GENERAL.—Except as provided in para-
13 graphs (2), (3), and (4), a person or State or Fed-
14 eral agency may not—

15 (A) import a live virus into the United
16 States;

17 (B) transport a live virus within the
18 United States; and

19 (C) store and maintain a live virus at a re-
20 search facility.

21 (2) AUTHORITY OF THE SECRETARY.—The Sec-
22 retary of Agriculture may—

23 (A) import a live virus into the United
24 States,

1 (B) transport a live virus within the
2 United States; and

3 (C) store and maintain a live virus at a re-
4 search facility.

5 (3) PERMITS.—

6 (A) IN GENERAL.—If the Secretary deter-
7 mines that it is in the public interest to do so,
8 the Secretary may issue a permit to allow a pri-
9 vate person or a State or Federal agency to—

10 (i) import a live virus into the United
11 States,

12 (ii) transport a live virus within the
13 United States; and

14 (iii) store and maintain a live virus at
15 a research facility.

16 (B) PERMIT TERMS.—A permit issued
17 under this paragraph shall be subject to terms
18 and conditions prescribed by the Secretary.

19 (4) LIMITATION.—Nothing in this section shall
20 apply to the importation, transportation, storage and
21 maintenance of any live virus governed by regula-
22 tions promulgated pursuant to section 351A of the
23 Public Health Service Act (42 U.S.C. 262a) or the
24 Agricultural Bioterrorism Protection Act of 2002 (7
25 U.S.C. 8401).”.

1 (d) AUTHORIZATION OF APPROPRIATIONS.—In addi-
2 tion to funds otherwise available for the control or eradi-
3 cation of animal diseases, there are authorized to be ap-
4 propriated such sums as necessary to carry out this sec-
5 tion.

6 **Subtitle B—National Agricultural**
7 **Research, Extension, and Teach-**
8 **ing Policy Act of 1977**

9 **SEC. 7201. GRANTS AND FELLOWSHIPS FOR FOOD AND AG-**
10 **RICULTURAL SCIENCES EDUCATION.**

11 Section 1417(l) of the National Agricultural Re-
12 search, Extension, and Teaching Policy Act of 1977 (7
13 U.S.C. 3152(l)) is amended by striking “2007” and in-
14 serting “2012”.

15 **SEC. 7202. GRANTS FOR RESEARCH ON PRODUCTION AND**
16 **MARKETING OF ALCOHOLS AND INDUSTRIAL**
17 **HYDROCARBONS FROM AGRICULTURAL COM-**
18 **MODITIES AND FOREST PRODUCTS.**

19 Section 1419(d) of the National Agricultural Re-
20 search, Extension, and Teaching Policy Act of 1977 (7
21 U.S.C. 3154(d)) is amended by striking “2007” and in-
22 serting “2012”.

23 **SEC. 7203. POLICY RESEARCH CENTERS.**

24 Section 1419A(d) of the National Agricultural Re-
25 search, Extension, and Teaching Policy Act of 1977 (7

1 U.S.C. 3155(d)) is amended by striking “2007” and in-
2 serting “2012”.

3 **SEC. 7204. HUMAN NUTRITION INTERVENTION AND**
4 **HEALTH PROMOTION RESEARCH PROGRAM.**

5 Section 1424(d) of the National Agricultural Re-
6 search, Extension, and Teaching Policy Act of 1977 (7
7 U.S.C. 3174(d)) is amended by striking “2007” and in-
8 serting “2012”.

9 **SEC. 7205. PILOT RESEARCH PROGRAM TO COMBINE MED-**
10 **ICAL AND AGRICULTURAL RESEARCH.**

11 Section 1424A(d) of the National Agricultural Re-
12 search, Extension, and Teaching Policy Act of 1977 (7
13 U.S.C. 3174a(d)) is amended by striking “2007” and in-
14 serting “2012”.

15 **SEC. 7206. NUTRITION EDUCATION PROGRAM.**

16 Section 1425(c)(3) of the National Agricultural Re-
17 search, Extension, and Teaching Policy Act of 1977 (7
18 U.S.C. 3175(c)(3)) is amended by striking “2007” and
19 inserting “2012”.

20 **SEC. 7207. CONTINUING ANIMAL HEALTH AND DISEASE RE-**
21 **SEARCH PROGRAMS.**

22 Section 1433(a) of the National Agricultural Re-
23 search, Extension, and Teaching Policy Act of 1977 (7
24 U.S.C. 3195(a)) is amended in the first sentence by strik-
25 ing “2007” and inserting “2012”.

1 **SEC. 7208. APPROPRIATIONS FOR RESEARCH ON NATIONAL**
2 **OR REGIONAL PROBLEMS.**

3 Section 1434(a) of the National Agricultural Re-
4 search, Extension, and Teaching Policy Act of 1977 (7
5 U.S.C. 3196(a)) is amended by striking “2007” and in-
6 serting “2012”.

7 **SEC. 7209. GRANTS TO UPGRADE AGRICULTURAL AND**
8 **FOOD SCIENCES FACILITIES AT 1890 LAND-**
9 **GRANT COLLEGES, INCLUDING TUSKEGEE**
10 **UNIVERSITY.**

11 Section 1447(b) of the National Agricultural Re-
12 search, Extension, and Teaching Policy Act of 1977 (7
13 U.S.C. 3222b(b)) is amended by striking “2007” and in-
14 serting “2012”.

15 **SEC. 7210. NATIONAL RESEARCH AND TRAINING VIRTUAL**
16 **CENTERS.**

17 Section 1448 of the National Agricultural Research,
18 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
19 3222e) is amended by striking “2007” each place it ap-
20 pears in subsections (a)(1) and (f) and inserting “2012”.

21 **SEC. 7211. MATCHING FUNDS REQUIREMENT FOR RE-**
22 **SEARCH AND EXTENSION ACTIVITIES OF 1890**
23 **INSTITUTIONS.**

24 Section 1449(c) of the National Agricultural Re-
25 search, Extension, and Teaching Policy Act of 1977 (7

1 U.S.C. 3222d(c)) is amended in the first sentence by strik-
2 ing “for each of fiscal years 2003 through 2007,”.

3 **SEC. 7212. HISPANIC-SERVING INSTITUTIONS.**

4 Section 1455(c) of the National Agricultural Re-
5 search, Extension, and Teaching Policy Act of 1977 (7
6 U.S.C. 3241(c)) is amended by striking “2007” and in-
7 serting “2012”.

8 **SEC. 7213. COMPETITIVE GRANTS FOR INTERNATIONAL AG-**
9 **RICULTURAL SCIENCE AND EDUCATION PRO-**
10 **GRAMS.**

11 Section 1459A(c) of the National Agricultural Re-
12 search, Extension, and Teaching Policy Act of 1977 (7
13 U.S.C. 3292b(c)) is amended by striking “2007” and in-
14 serting “2012”.

15 **SEC. 7214. RESEARCH EQUIPMENT GRANTS.**

16 Section 1462A(e) of the National Agricultural Re-
17 search, Extension, and Teaching Policy Act of 1977 (7
18 U.S.C. 3310a(e)) is amended by striking “2007” and in-
19 serting “2012”.

20 **SEC. 7215. UNIVERSITY RESEARCH.**

21 Section 1463 of the National Agricultural Research,
22 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
23 3311) is amended by striking “2007” each place it ap-
24 pears in subsections (a) and (b) and inserting “2012”.

1 **SEC. 7216. EXTENSION SERVICE.**

2 Section 1464 of the National Agricultural Research,
3 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
4 3312) is amended by striking “2007” and inserting
5 “2012”.

6 **SEC. 7217. SUPPLEMENTAL AND ALTERNATIVE CROPS.**

7 Section 1473D(a) of the National Agricultural Re-
8 search, Extension, and Teaching Policy Act of 1977 (7
9 U.S.C. 3319d(a)) is amended by striking “2007” and in-
10 serting “2012”.

11 **SEC. 7218. AQUACULTURE RESEARCH FACILITIES.**

12 Section 1477 of the National Agricultural Research,
13 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
14 3324) is amended by striking “2007” and inserting
15 “2012”.

16 **SEC. 7219. RANGELAND RESEARCH.**

17 Section 1483(a) of the National Agricultural Re-
18 search, Extension, and Teaching Policy Act of 1977 (7
19 U.S.C. 3336(a)) is amended by striking “2007” and in-
20 serting “2012”.

21 **SEC. 7220. SPECIAL AUTHORIZATION FOR BIOSECURITY**
22 **PLANNING AND RESPONSE.**

23 Section 1484(a) of the National Agricultural Re-
24 search, Extension, and Teaching Policy Act of 1977 (7
25 U.S.C. 3351(a)) is amended by striking “2007” and in-
26 serting “2012”.

1 **SEC. 7221. RESIDENT INSTRUCTION AND DISTANCE EDU-**
2 **CATION GRANTS PROGRAM FOR INSULAR**
3 **AREA INSTITUTIONS OF HIGHER EDUCATION.**

4 (a) DISTANCE EDUCATION GRANTS FOR INSULAR
5 AREAS.—Section 1490(f) of the National Agricultural Re-
6 search, Extension, and Teaching Policy Act of 1977 (7
7 U.S.C. 3362(f)) is amended by striking “2007” and in-
8 serting “2012”.

9 (b) RESIDENT INSTRUCTION GRANTS FOR INSULAR
10 AREAS.—Section 1491 of the National Agricultural Re-
11 search, Extension, and Teaching Policy Act of 1977 (7
12 U.S.C. 3363) is amended—

13 (1) by redesignating subsection (e) as sub-
14 section (c); and

15 (2) in subsection (c) (as so redesignated), by
16 striking “2007” and inserting “2012”.

17 **Subtitle C—Food, Agriculture, Con-**
18 **servation, and Trade Act of 1990**

19 **SEC. 7301. NATIONAL GENETICS RESOURCES PROGRAM.**

20 Section 1635(b) of the Food, Agriculture, Conserva-
21 tion, and Trade Act of 1990 (7 U.S.C. 5844(b)) is amend-
22 ed by striking “2007” and inserting “2012”.

1 **SEC. 7302. HIGH-PRIORITY RESEARCH AND EXTENSION INI-**
2 **TIATIVES.**

3 Section 1672(h) of the Food, Agriculture, Conserva-
4 tion, and Trade Act of 1990 (7 U.S.C. 5925(h)) is amend-
5 ed by striking “2007” and inserting “2012”.

6 **SEC. 7303. NUTRIENT MANAGEMENT RESEARCH AND EX-**
7 **TENSION INITIATIVE.**

8 Section 1672A of the Food, Agriculture, Conserva-
9 tion, and Trade Act of 1990 (7 U.S.C. 5925a) is amend-
10 ed—

11 (1) by redesignating subsection (g) as sub-
12 section (f); and

13 (2) in subsection (f) (as so redesignated), by
14 striking “2007” and inserting “2012”.

15 **SEC. 7304. ORGANIC AGRICULTURE RESEARCH AND EXTEN-**
16 **SION INITIATIVE.**

17 Section 1672B(e) of the Food, Agriculture, Conserva-
18 tion, and Trade Act of 1990 (7 U.S.C. 5925b(e)) is
19 amended by striking “2007” and inserting “2012”.

20 **SEC. 7305. AGRICULTURAL TELECOMMUNICATIONS PRO-**
21 **GRAM.**

22 Section 1673(h) of the Food, Agriculture, Conserva-
23 tion, and Trade Act of 1990 (7 U.S.C. 5926(h)) is amend-
24 ed by striking “2007” and inserting “2012”.

1 **SEC. 7306. ASSISTIVE TECHNOLOGY PROGRAM FOR FARM-**
2 **ERS WITH DISABILITIES.**

3 Section 1680(c)(1) of the Food, Agriculture, Con-
4 servation, and Trade Act of 1990 (7 U.S.C. 5933(c)(1))
5 is amended by striking “2007” and inserting “2012”.

6 **SEC. 7307. NATIONAL RURAL INFORMATION CENTER**
7 **CLEARINGHOUSE.**

8 Section 2381(e) of the Food, Agriculture, Conserva-
9 tion, and Trade Act of 1990 (7 U.S.C. 3125b(e)) is
10 amended by striking “2007” and inserting “2012”.

11 **Subtitle D—Agricultural Research,**
12 **Extension, and Education Re-**
13 **form Act of 1998**

14 **SEC. 7401. PARTNERSHIPS FOR HIGH-VALUE AGRICUL-**
15 **TURAL PRODUCT QUALITY RESEARCH.**

16 Section 402(g) of the Agricultural Research, Exten-
17 sion, and Education Reform Act of 1998 (7 U.S.C.
18 7622(g)) is amended by striking “2007” and inserting
19 “2012”.

20 **SEC. 7402. PRECISION AGRICULTURE.**

21 Section 403(i)(1) of the Agricultural Research, Ex-
22 tension, and Education Reform Act of 1998 (7 U.S.C.
23 7623(i)(1)) is amended by striking “2007” and inserting
24 “2012”.

1 **SEC. 7403. BIOBASED PRODUCTS.**

2 (a) PILOT PROJECT.—Section 404(e)(2) of the Agri-
3 cultural Research, Extension, and Education Reform Act
4 of 1998 (7 U.S.C. 7624(e)(2)) is amended by striking
5 “2007” and inserting “2012”.

6 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
7 404(h) of the Agricultural Research, Extension, and Edu-
8 cation Reform Act of 1998 (7 U.S.C. 7624(h)) is amended
9 by striking “2007” and inserting “2012”.

10 **SEC. 7404. THOMAS JEFFERSON INITIATIVE FOR CROP DI-**
11 **VERSIFICATION.**

12 Section 405(h) of the Agricultural Research, Exten-
13 sion, and Education Reform Act of 1998 (7 U.S.C.
14 7625(h)) is amended by striking “2007” and inserting
15 “2012”.

16 **SEC. 7405. INTEGRATED RESEARCH, EDUCATION, AND EX-**
17 **TENSION COMPETITIVE GRANTS PROGRAM.**

18 Section 406(f) of the Agricultural Research, Exten-
19 sion, and Education Reform Act of 1998 (7 U.S.C.
20 7626(f)) is amended by striking “2007” and inserting
21 “2012”.

1 **SEC. 7406. SUPPORT FOR RESEARCH REGARDING DISEASES**
2 **OF WHEAT, TRITICALE, AND BARLEY CAUSED**
3 **BY FUSARIUM GRAMINEARUM OR BY**
4 **TILLETIA INDICA.**

5 Section 408(e) of the Agricultural Research, Exten-
6 sion, and Education Reform Act of 1998 (7 U.S.C.
7 7628(e)) is amended by striking “2007” and inserting
8 “2012”.

9 **SEC. 7407. BOVINE JOHNE’S DISEASE CONTROL PROGRAM.**

10 Section 409(b) of the Agricultural Research, Exten-
11 sion, and Education Reform Act of 1998 (7 U.S.C.
12 7629(b)) is amended by striking “2007” and inserting
13 “2012”.

14 **SEC. 7408. GRANTS FOR YOUTH ORGANIZATIONS.**

15 Section 410(c) of the Agricultural Research, Exten-
16 sion, and Education Reform Act of 1998 (7 U.S.C.
17 7630(c)) is amended by striking “2007” and inserting
18 “2012”.

19 **SEC. 7409. AGRICULTURAL BIOTECHNOLOGY RESEARCH**
20 **AND DEVELOPMENT FOR DEVELOPING COUN-**
21 **TRIES.**

22 Section 411(c) of the Agricultural Research, Exten-
23 sion, and Education Reform Act of 1998 (7 U.S.C.
24 7631(c)) is amended by striking “2007” and inserting
25 “2012”.

1 **SEC. 7410. OFFICE OF PEST MANAGEMENT POLICY.**

2 Section 614(f) of the Agricultural Research, Extension,
3 sion, and Education Reform Act of 1998 (7 U.S.C.
4 7653(f)) is amended by striking “2007” and inserting
5 “2012”.

6 **SEC. 7411. FUSARIUM GRAMINEARUM GRANTS.**

7 (a) The heading for section 408(a) of the Agricultural
8 Research, Extension, and Education Reform Act of 1998
9 (7 U.S.C. 7628(a)) is amended by striking “**GRANT**” and
10 inserting “**GRANTS**”.

11 (b) Section 408(e) is amended by striking “2007”
12 and inserting “2012”.

13 **Subtitle E—Other Laws**

14 **SEC. 7501. CRITICAL AGRICULTURAL MATERIALS ACT.**

15 Section 16(a) of the Critical Agricultural Materials
16 Act (7 U.S.C. 178n(a)) is amended by striking “2007”
17 and inserting “2012”.

18 **SEC. 7502. EQUITY IN EDUCATIONAL LAND-GRANT STATUS**
19 **ACT OF 1994.**

20 (a) **ENDOWMENT FOR 1994 INSTITUTIONS.**—Section
21 533(b) of the Equity in Educational Land-Grant Status
22 Act of 1994 (7 U.S.C. 301 note; Public Law 103-382)
23 is amended in the first sentence by striking “2007” and
24 inserting “2012”.

25 (b) **INSTITUTIONAL CAPACITY BUILDING GRANTS.**—
26 Section 535 of the Equity in Educational Land-Grant Sta-

1 tus Act of 1994 (7 U.S.C. 301 note; Public Law 103-382)
2 is amended by striking “2007” each place it appears and
3 inserting “2012”.

4 (c) RESEARCH GRANTS.—Section 536(c) of the Eq-
5 uity in Educational Land-Grant Status Act of 1994 (7
6 U.S.C. 301 note; Public Law 103-382) is amended in the
7 first sentence by striking “2007” and inserting “2012”.

8 **SEC. 7503. AGRICULTURAL EXPERIMENT STATION RE-**
9 **SEARCH FACILITIES ACT.**

10 Section 6(a) of the Research Facilities Act (7 U.S.C.
11 390d(a)) is amended by striking “2007” and inserting
12 “2012”.

13 **SEC. 7504. NATIONAL AGRICULTURAL RESEARCH, EXTEN-**
14 **SION, AND TEACHING POLICY ACT AMEND-**
15 **MENTS OF 1985.**

16 Section 1431 of the National Agricultural Research,
17 Extension, and Teaching Policy Act Amendments of 1985
18 (Public Law 99-198; 99 Stat. 1556; 116 Stat. 436) is
19 amended by striking “2007” and inserting “2012”.

20 **SEC. 7505. COMPETITIVE, SPECIAL, AND FACILITIES RE-**
21 **SEARCH GRANT ACT (NATIONAL RESEARCH**
22 **INITIATIVE).**

23 Section 2(b)(10) of the Competitive, Special, and Fa-
24 cilities Research Grant Act (7 U.S.C. 450i(b)(10)) is
25 amended by striking “2007” and inserting “2012”.

1 **SEC. 7506. BEGINNING FARMER AND RANCHER DEVELOP-**
2 **MENT PROGRAM.**

3 Section 7405(h) of the Farm Security and Rural In-
4 vestment Act of 2002 (7 U.S.C. 3319f(h)) is amended by
5 striking “2007” and inserting “2012”.

6 **SEC. 7507. AGRICULTURAL RISK PROTECTION ACT OF 2000**
7 **(CARBON CYCLE RESEARCH).**

8 Section 221(g) of the Agricultural Risk Protection
9 Act of 2000 (7 U.S.C. 6711(g)) is amended by striking
10 “2007” and inserting “2012”.

11 **SEC. 7508. RENEWABLE RESOURCES EXTENSION ACT OF**
12 **1978.**

13 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Section
14 6 of the Renewable Resources Extension Act of 1978 (16
15 U.S.C. 1675) is amended by striking “2007” and insert-
16 ing “2012”.

17 (b) **TERMINATION DATE.**—Section 8 of the Renew-
18 able Resources Extension Act of 1978 (16 U.S.C. 1671
19 note; Public Law 95-306) is amended by striking “2007”
20 and inserting “2012”.

21 **SEC. 7509. NATIONAL AQUACULTURE ACT OF 1980.**

22 Section 10 of the National Aquaculture Act of 1980
23 (16 U.S.C. 2809) is amended by striking “2007” each
24 place it appears and inserting “2012”.

1 **SEC. 7510. ORGANIC RESEARCH.**

2 The Organic Agriculture Research and Extension Ini-
3 tiative (section 1672B of the Food, Agriculture, Conserva-
4 tion, and Trade Act of 1990 (7 U.S.C. 5925b)) is amend-
5 ed—

6 (1) in subsection (a)—

7 (A) in paragraph (5) by striking “and”
8 after the semicolon;

9 (B) in paragraph (6) at the end by striking
10 the period and inserting a semicolon; and

11 (C) by adding at the end paragraphs (7)
12 and (8) that read as follows:

13 “(7) examining optimal conservation and envi-
14 ronmental outcomes relating to organically produced
15 agricultural products; and

16 “(8) developing new and improved seed vari-
17 eties that are particularly suited for organic agri-
18 culture.”; and

19 (2) by adding at the end the following—

20 “(f) AUTHORIZATION OF APPROPRIATIONS.—There
21 are authorized to be appropriated \$5,000,000 for each of
22 fiscal years 2008 through 2012.”.