

Union Calendar No. 164

110TH CONGRESS
1ST SESSION

H. R. 2419

[Report No. 110-256, Part I]

To provide for the continuation of agricultural programs through fiscal year 2012, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MAY 22, 2007

Mr. PETERSON of Minnesota introduced the following bill; which was referred to the Committee on Agriculture, and in addition to the Committee on Foreign Affairs, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

JULY 23, 2007

Reported from the Committee on Agriculture with an amendment
[Strike out all after the enacting clause and insert the part printed in *italic*]

JULY 23, 2007

Committee on Foreign Affairs discharged; committed to the Committee of the Whole House on the State of the Union and ordered to be printed
[For text of introduced bill, see copy of bill as introduced on May 22, 2007]

A BILL

To provide for the continuation of agricultural programs through fiscal year 2012, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 road system, the reliability of rail service, and the
2 reasonableness of railroad prices.

3 (3) *The accessibility to rail customers in rural*
4 *America of Federal processes for the resolution of rail*
5 *customer grievances with the railroads.*

6 (b) *REPORT TO THE CONGRESS.—Within 9 months*
7 *after the date of the enactment of this Act, the Secretary*
8 *of Agriculture shall submit to the Congress a report that*
9 *contains the results of the study required by subsection (a),*
10 *and the recommendations of the Secretary for new Federal*
11 *policies to address any problems identified by the study.*

12 **TITLE VII—RESEARCH**

Subtitle A—General Provisions

- Sec. 7101. Definitions.*
- Sec. 7102. Budget submission and funding.*
- Sec. 7103. Additional purposes of agricultural research and extension.*
- Sec. 7104. National agricultural research program office.*
- Sec. 7105. Establishment of competitive grant programs under the National Institute for Food and Agriculture.*
- Sec. 7106. Merging of IFAFS and NRI.*
- Sec. 7107. Capacity building grants for ASCARR institutions.*
- Sec. 7108. Establishment of research laboratories for animal diseases.*
- Sec. 7109. Grazinglands research laboratory.*
- Sec. 7110. Researcher training.*
- Sec. 7111. Fort Reno Science Park research facility.*
- Sec. 7112. Assessing the nutritional composition of beef products.*
- Sec. 7113. Sense of Congress regarding funding for human nutrition research.*

Subtitle B—National Agricultural Research, Extension, and Teaching Policy Act of 1977

- Sec. 7201. Advisory board.*
- Sec. 7202. Advisory board termination.*
- Sec. 7203. Renewable energy committee.*
- Sec. 7204. Specialty crop committee report.*
- Sec. 7205. Inclusion of UDC in grants and fellowships for food and agricultural sciences education.*
- Sec. 7206. Grants and fellowships for food and agricultural sciences education.*

- Sec. 7207. Grants for research on production and marketing of alcohols and industrial hydrocarbons from agricultural commodities and forest products.*
- Sec. 7208. Policy research centers.*
- Sec. 7209. Human nutrition intervention and health promotion research program.*
- Sec. 7210. Pilot research program to combine medical and agricultural research.*
- Sec. 7211. Nutrition education program.*
- Sec. 7212. Continuing animal health and disease research programs.*
- Sec. 7213. Cooperation among eligible institutions.*
- Sec. 7214. Appropriations for research on national or regional problems.*
- Sec. 7215. Authorization level of extension at 1890 land-grant colleges.*
- Sec. 7216. Authorization level for agricultural research at 1890 land-grant colleges.*
- Sec. 7217. Grants to upgrade agriculture and food sciences facilities at the District of Columbia Land Grant University.*
- Sec. 7218. Grants to upgrade agricultural and food sciences facilities at 1890 land-grant colleges, including Tuskegee University.*
- Sec. 7219. National research and training virtual centers.*
- Sec. 7220. Matching funds requirement for research and extension activities of 1890 institutions.*
- Sec. 7221. Hispanic-serving institutions.*
- Sec. 7222. Hispanic-serving agricultural colleges and universities.*
- Sec. 7223. International agricultural research, extension, and education.*
- Sec. 7224. Competitive grants for international agricultural science and education programs.*
- Sec. 7225. Limitation on indirect costs for agricultural research, education, and extension programs.*
- Sec. 7226. Research equipment grants.*
- Sec. 7227. University research.*
- Sec. 7228. Extension service.*
- Sec. 7229. Supplemental and alternative crops.*
- Sec. 7230. Aquaculture research facilities.*
- Sec. 7231. Rangeland research.*
- Sec. 7232. Special authorization for biosecurity planning and response.*
- Sec. 7233. Resident instruction and distance education grants program for insular area institutions of higher education.*

Subtitle C—Food, Agriculture, Conservation, and Trade Act of 1990

- Sec. 7301. National genetics resources program.*
- Sec. 7302. National agricultural weather information system.*
- Sec. 7303. Partnerships.*
- Sec. 7304. Aflatoxin research and extension.*
- Sec. 7305. High-priority research and extension areas.*
- Sec. 7306. High-priority research and extension initiatives.*
- Sec. 7307. Nutrient management research and extension initiative.*
- Sec. 7308. Agricultural telecommunications program.*
- Sec. 7309. Assistive technology program for farmers with disabilities.*
- Sec. 7310. Organic research.*
- Sec. 7311. National rural information center clearinghouse.*
- Sec. 7312. New era rural technology program.*

*Subtitle D—Agricultural Research, Extension, and Education Reform Act of
1998*

- Sec. 7401. Partnerships for high-value agricultural product quality research.*
- Sec. 7402. Precision agriculture.*
- Sec. 7403. Biobased products.*
- Sec. 7404. Thomas Jefferson initiative for crop diversification.*
- Sec. 7405. Integrated research, education, and extension competitive grants program.*
- Sec. 7406. Fusarium graminearum grants.*
- Sec. 7407. Bovine Johne's disease control program.*
- Sec. 7408. Grants for youth organizations.*
- Sec. 7409. Agricultural biotechnology research and development for developing countries.*
- Sec. 7410. Agricultural bioenergy and biobased products research initiative.*
- Sec. 7411. Specialty crop research initiative.*
- Sec. 7412. Office of pest management policy.*

Subtitle E—Other Laws

- Sec. 7501. Critical agricultural materials act.*
- Sec. 7502. Equity in Educational Land-Grant Status Act of 1994.*
- Sec. 7503. Agricultural experiment station Research Facilities Act.*
- Sec. 7504. National Agricultural Research, Extension, and Teaching Policy Act Amendments of 1985.*
- Sec. 7505. Competitive, Special, and Facilities Research Grant Act (national research initiative).*
- Sec. 7506. Agricultural Risk Protection Act of 2000 (carbon cycle research).*
- Sec. 7507. Renewable Resources Extension Act of 1978.*
- Sec. 7508. National Aquaculture Act of 1980.*
- Sec. 7509. Construction of a Chinese Garden at the National Arboretum.*
- Sec. 7510. Public education regarding use of biotechnology in producing food for human consumption.*
- Sec. 7511. Fresh cut produce safety grants.*
- Sec. 7512. UDC/EFNEP Eligibility.*
- Sec. 7513. Smith-Lever Act.*
- Sec. 7514. Hatch Act of 1987.*

Subtitle F—Additional Provisions

- Sec. 7601. Merit review of extension and educational grants.*
- Sec. 7602. Review of plan of work requirements.*
- Sec. 7603. Multistate and integration funding.*
- Sec. 7604. Expanded food and nutrition education program.*
- Sec. 7605. Grants to 1890 schools to expand extension capacity.*
- Sec. 7606. Borlaug international agricultural science and technology fellowship program.*
- Sec. 7607. Support for research regarding diseases of wheat, triticale, and barley caused by fusarium graminearum or by tilletia indica.*
- Sec. 7608. Cost Recovery.*
- Sec. 7609. Organic Food and Agricultural Systems Funding.*

1 **Subtitle A—General Provisions**

2 **SEC. 7101. DEFINITIONS.**

3 *For purposes of this title:*

4 (1) *CAPACITY PROGRAM.*—*The term “capacity*
5 *program” means the capacity program in subpara-*
6 *graph (M) and each of the following agricultural re-*
7 *search, extension, education, and related programs for*
8 *which the Secretary has administrative or other au-*
9 *thority as of the day before the date of enactment of*
10 *this Act:*

11 (A) *Each program providing funding to*
12 *any of the 1994 institutions under sections 533,*
13 *534(a), and 535 of the Equity in Educational*
14 *Land-Grant Status Act of 1994 (Public Law*
15 *103–382; 7 U.S.C. 301 note) (commonly known*
16 *as financial assistance, technical assistance, and*
17 *endowments to tribal colleges and the Navajo*
18 *Community College).*

19 (B) *The program established under section*
20 *536 of the Equity in Educational Land-Grant*
21 *Status Act of 1994 (Public Law 103–382; 7*
22 *U.S.C. 301 note) providing research grants for*
23 *1994 institutions.*

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

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

6 (E) *Each program established under section*
7 *1417(b)(4) of the National Agricultural Re-*
8 *search, Extension, and Teaching Policy Act of*
9 *1977 (7 U.S.C. 3152(b)(4)), including grant pro-*
10 *grams under that section (commonly known as*
11 *the 1890 Institution Teaching and Research Ca-*
12 *capacity Building Grants Program).*

13 (F) *The animal health and disease research*
14 *program established under subtitle E of the Na-*
15 *tional Agricultural Research, Extension, and*
16 *Teaching Policy Act of 1977 (7 U.S.C. 3191 et*
17 *seq.).*

18 (G) *The program established under section*
19 *1445 of the National Agricultural Research, Ex-*
20 *tension, and Teaching Policy Act of 1977 (7*
21 *U.S.C. 3222) (commonly known as the Evans-*
22 *Allen Program).*

23 (H) *The program providing grants to up-*
24 *grade agricultural and food sciences facilities at*
25 *1890 Institutions established under section 1447*

1 *of the National Agricultural Research, Extension,*
2 *and Teaching Policy Act of 1977 (7 U.S.C.*
3 *3222b).*

4 *(I) The program providing distance edu-*
5 *cation grants for insular areas established under*
6 *section 1490 of the National Agricultural Re-*
7 *search, Extension, and Teaching Policy Act of*
8 *1977 (7 U.S.C. 3362).*

9 *(J) The program providing resident instruc-*
10 *tion grants for insular areas established under*
11 *section 1491 of the National Agricultural Re-*
12 *search, Extension, and Teaching Policy Act of*
13 *1977 (7 U.S.C. 3363).*

14 *(K) Each research and development and re-*
15 *lated program established under Public Law 87-*
16 *788 (commonly known as the McIntire-Stennis*
17 *Cooperative Forestry Act; 16 U.S.C. 582a et*
18 *seq.).*

19 *(L) Each program established under the Re-*
20 *newable Resources Extension Act of 1978 (16*
21 *U.S.C. 1671 et seq.).*

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

1 (N) *Such other programs or parts of pro-*
2 *grams as determined appropriate by the Sec-*
3 *retary.*

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

8 (2) *COMPETITIVE PROGRAMS.—The term “com-*
9 *petitive programs” means the competitive program in*
10 *subparagraph (N) and each of the following agricul-*
11 *tural research, extension, education, and related pro-*
12 *grams for which the Secretary has administrative or*
13 *other authority as of the day before the date of enact-*
14 *ment of this Act:*

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

20 (B) *Institution Challenge Grants, adminis-*
21 *tered under 1417(j) of the National Agricultural*
22 *Research, Extension, and Teaching Policy Act of*
23 *1977, as amended (7 U.S.C. 3152(j)).*

24 (C) *Grants and related authorities author-*
25 *ized or otherwise administered by the Secretary*

1 *of Agriculture under section 1417(b)(5) of the*
2 *National Agricultural Research, Extension, and*
3 *Teaching Policy Act of 1977, as amended (7*
4 *U.S.C. 3152(b)(5)) (commonly known as the*
5 *Higher Education Multicultural Scholars Pro-*
6 *gram).*

7 *(D) Programs authorized or otherwise ad-*
8 *ministered under section 1455 of the National*
9 *Agricultural Research, Extension, and Teaching*
10 *Policy Act of 1977 (7 U.S.C. 3241(c)) (com-*
11 *monly known as educational grant programs for*
12 *Hispanic-serving institutions).*

13 *(E) Integrated research, education, or exten-*
14 *sion programs authorized or otherwise adminis-*
15 *tered under section 406 of the Agricultural Re-*
16 *search, Extension, and Education Reform Act of*
17 *1998 (7 U.S.C. 7626) except as provided under*
18 *subsection (a)(14).*

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

21 *(G) Organic Research and Extension Ini-*
22 *tiative (7 U.S.C. 5925b).*

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

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

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

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

8 (L) *Risk Management Education (7 U.S.C.*
9 *1524).*

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

12 (N) *Such other programs or parts of pro-*
13 *grams as determined appropriate by the Sec-*
14 *retary.*

15 (3) *CAPACITY PROGRAM CRITICAL BASE FUND-*
16 *ING.—The term “capacity program critical base fund-*
17 *ing” means the aggregate amount of Federal funds*
18 *made available for all or individual capacity pro-*
19 *grams for fiscal year 2007, as appropriate.*

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

25 (5) *ASCARR INSTITUTION.—*

1 (A) *IN GENERAL.*—*The term “ASCARR In-*
2 *stitution” means a public college or university*
3 *offering a baccalaureate or higher degree in the*
4 *study of agriculture.*

5 (B) *EXCLUSIONS.*—*The term “ASCARR In-*
6 *stitution” does not include Hispanic-serving ag-*
7 *ricultural colleges or any institution designated*
8 *under—*

9 (i) *the Act of July 2, 1862 (commonly*
10 *known as the “First Morrill Act”; 7 U.S.C.*
11 *301 et seq.);*

12 (ii) *the Act of August 30, 1890 (com-*
13 *monly known as the “Second Morrill Act”;*
14 *7 U.S.C. 321 et seq.); or*

15 (iii) *the Equity in Educational Land-*
16 *Grant Status Act of 1994 (Public Law 103–*
17 *382; 7 U.S.C. 301 note).*

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

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

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

1 (9) *HISPANIC-SERVING AGRICULTURAL COL-*
2 *LEGE.*—*The term “Hispanic-serving agricultural col-*
3 *lege” means a college or university that—*

4 (A) *qualifies as a “Hispanic-serving insti-*
5 *tution” as defined in section 502(a)(5) of the*
6 *Higher Education Act of 1965 (20 U.S.C.*
7 *1101a(a)(5)); and*

8 (B) *offers a baccalaureate degree program*
9 *in an agricultural or food science-related dis-*
10 *cipline.*

11 **SEC. 7102. BUDGET SUBMISSION AND FUNDING.**

12 (a) *BUDGET REQUEST.*—*The President shall submit to*
13 *Congress, together with the annual budget submission of the*
14 *President, a single budget line item reflecting the total*
15 *amount requested by the President for funding for capacity*
16 *programs, and a single budget line item reflecting the total*
17 *amount requested by the President for funding for competi-*
18 *tive programs for that fiscal year and for the previous 5*
19 *fiscal years.*

20 (b) *CAPACITY PROGRAM REQUEST.*—

21 (1) *CRITICAL BASE FUNDING.*—*Up to the*
22 *amount of the capacity program critical base funding*
23 *level, any funds requested for capacity programs in*
24 *the budget submission single line item shall be appor-*
25 *tioned among the capacity programs based on prior-*

1 *ities established by the Under Secretary in conjunc-*
2 *tion with the Directors.*

3 (2) *ADDITIONAL FUNDING.—Of the funds re-*
4 *quested for capacity programs in excess of the capac-*
5 *ity program critical base funding level, budgetary em-*
6 *phasis should be placed on enhancing funding for the*
7 *1890, 1994, ASCARR Institutions, Hispanic-serving*
8 *agricultural colleges, and small 1862 institutions.*

9 (c) *COMPETITIVE PROGRAM REQUEST.—*

10 (1) *CRITICAL BASE FUNDING.—Up to the*
11 *amount of the competitive program critical base fund-*
12 *ing level, any funds requested for competitive pro-*
13 *grams in the budget submission single line item shall*
14 *be apportioned among the competitive programs based*
15 *on priorities established by the Under Secretary in*
16 *conjunction with the Directors.*

17 (2) *ADDITIONAL FUNDING.—Of the funds re-*
18 *quested for competitive programs in excess of the com-*
19 *petitive program critical base funding level, budg-*
20 *etary emphasis shall be placed on enhancing funding*
21 *for emerging problems and their solutions.*

22 (d) *FUNDING.—*

23 (1) *CRITICAL BASE FUNDING.—Up to the total*
24 *aggregate amount of the capacity program critical*
25 *base funding level and the competitive program crit-*

1 *ical base funding level, funds appropriated or other-*
2 *wise made available shall be apportioned among each*
3 *of the capacity programs and the competitive pro-*
4 *grams based on priorities established by the Under*
5 *Secretary in conjunction with the Directors.*

6 (2) *ADDITIONAL FUNDING.—*

7 (A) *CAPACITY FUNDING.—Of the funds ap-*
8 *propriated or otherwise made available for ca-*
9 *capacity programs in excess of the capacity pro-*
10 *gram critical base funding level, funding empha-*
11 *sis should be placed on enhancing funding for*
12 *the 1890, 1994, ASCARR Institutions, Hispanic-*
13 *serving agricultural colleges, and small 1862 in-*
14 *stitutions.*

15 (B) *COMPETITIVE FUNDING.—Of the funds*
16 *appropriated or otherwise made available for*
17 *competitive programs in excess of the competitive*
18 *program critical base funding level, budgetary*
19 *emphasis shall be placed on enhancing funding*
20 *for emerging problems and solutions.*

21 (e) *AUTHORIZATION OF APPROPRIATIONS.—There are*
22 *authorized to be appropriated such sums as necessary to*
23 *carry out this section.*

24 (f) *COMPETITIVE PROGRAMS.—For the purposes of this*
25 *section, the term “competitive programs” includes only*

1 *those programs for which annual appropriations are re-*
2 *quested in the President’s budget.*

3 **SEC. 7103. ADDITIONAL PURPOSES OF AGRICULTURAL RE-**
4 **SEARCH AND EXTENSION.**

5 *Section 1403 of the National Agricultural Research,*
6 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
7 *3102) is amended—*

8 *(1) in paragraph (6), by striking “and” at the*
9 *end;*

10 *(2) in paragraph (7), by striking the period and*
11 *inserting a semicolon; and*

12 *(3) by adding after paragraph (7) the following:*

13 *“(8) to integrate and organize the administra-*
14 *tion of the agricultural research, extension, education,*
15 *and related programs administered by the Secretary*
16 *of Agriculture to respond to 21st century challenges*
17 *and continue to meet the needs of society from a local,*
18 *tribal, State, national, and international perspective;*

19 *“(9) to minimize duplication, and maximize co-*
20 *ordination and integration, among all of the pro-*
21 *grams at all levels through a solution-based approach;*
22 *and*

23 *“(10) to position the agricultural research, exten-*
24 *sion, education, and related programs system to in-*

1 crease the contribution of the system to society
2 through the expansion of the portfolio of the system.”.

3 **SEC. 7104. NATIONAL AGRICULTURAL RESEARCH PROGRAM**

4 **OFFICE.**

5 (a) *ESTABLISHMENT.*—The Under Secretary shall or-
6 ganize within the office of the Under Secretary 6 research
7 Program Offices to be known collectively as the National
8 Agricultural Research Program Office, which shall coordi-
9 nate the programs and activities of the research agencies
10 within the mission area in an integrated, multidisci-
11 plinary, interdisciplinary, interagency, and interinstitu-
12 tional manner, to the maximum extent practicable. The
13 Program Offices within the National Agricultural Research
14 Program Office are as follows:

15 (1) *Renewable energy, natural resources, and en-*
16 *vironment.*

17 (2) *Food safety, nutrition, and health.*

18 (3) *Plant health and production.*

19 (4) *Animal health and production and animal*
20 *products.*

21 (5) *Agriculture systems and technology.*

22 (6) *Agriculture economics and rural commu-*
23 *nities.*

24 (b) *QUALIFICATIONS OF DIRECTORS.*—

1 (1) *APPOINTMENT AND CLASSIFICATION.*—*The*
2 *Under Secretary shall appoint a Director for each*
3 *Program Office as a senior level position in the com-*
4 *petitive service.*

5 (2) *QUALIFICATIONS.*—*To be eligible for appoint-*
6 *ment as a Director, an individual shall have—*

7 (A) *conducted outstanding research, edu-*
8 *cation, or extension in the field of agriculture or*
9 *forestry;*

10 (B) *earned a doctoral level degree at an in-*
11 *stitution of higher education (as defined in sec-*
12 *tion 101 of Public Law 89–329 (20 U.S.C.*
13 *1001)); and*

14 (C) *met qualification standards prescribed*
15 *by the Director of the Office of Personnel Man-*
16 *agement for appointment to a senior level posi-*
17 *tion of the competitive service.*

18 (c) *DUTIES OF DIRECTORS.*—*Except as otherwise pro-*
19 *vided in this Act, each Director as appointed by the Sec-*
20 *retary shall—*

21 (1) *formulate programs in consultation with the*
22 *National Agricultural Research, Extension, Edu-*
23 *cation, and Economics Advisory Board (7 U.S.C.*
24 *3123) (hereinafter referred to as the “Board”);*

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

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

6 (4) *develop strategic planning for department-*
7 *wide research, education, extension, and related ac-*
8 *tivities;*

9 (5) *establish department-wide priorities for re-*
10 *search, education, extension, and related programs;*

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

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

15 (d) *ADMINISTRATION.*—*The Under Secretary, in con-*
16 *junction with the Directors and in consultation with the*
17 *Board, shall direct and coordinate research, education, and*
18 *extension programs within the relevant agencies of the De-*
19 *partment of Agriculture to focus those programs, and the*
20 *participants, grantees, and other beneficiaries of those pro-*
21 *grams, on—*

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

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

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

3 (4) *national, regional and local priorities.*

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

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

12 (A) *in an integrated, multidisciplinary,*
13 *interdisciplinary, interagency, and interinstitu-*
14 *tional manner that ensures—*

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

17 (ii) *the focus of all resources and ac-*
18 *tivities on strategic, priority, problem, op-*
19 *portunity, and solution areas identified by*
20 *the Under Secretary and the Directors, tak-*
21 *ing into consideration the advice of the*
22 *Board; and*

23 (B) *among applicable participants, grant-*
24 *ees, and beneficiaries, in a coordinated manner*
25 *that encourages and ensures—*

1 (i) the most efficient collaborative ap-
2 plication of resources; and

3 (ii) the focus of all resources and ac-
4 tivities on strategic, priority, problem, op-
5 portunity, and solution areas on a local,
6 State, tribal, regional, national, and inter-
7 national basis, as the Under Secretary and
8 each Director, taking into consideration the
9 advice of the Board, determine to be appro-
10 prium.

11 (2) *SCOPE.*—Each Director, in consultation with
12 the Under Secretary and the Board, shall ensure,
13 through the integration and coordination under para-
14 graph (1), that opportunities are maximized with re-
15 spect to—

16 (A) the use of appropriate authorities, agen-
17 cies, institutions, disciplines, and activities; and

18 (B) the inclusion of appropriate partici-
19 pants and other beneficiaries in those activities,
20 including intramural, extramural, Government,
21 university, extension, and international, as de-
22 termined by the Under Secretary.

23 (f) *FUNDING.*—The Under Secretary shall fund each
24 Program Office through the appropriations available to the
25 various agencies within the mission area. The aggregate

1 *staff for all Program Offices shall not exceed 30 full-time*
2 *equivalent positions and shall be filled by current full-time*
3 *equivalent positions.*

4 (g) *ORGANIZATION.—The Under Secretary shall inte-*
5 *grate leadership functions of the national program staff of*
6 *the research agencies into the National Agricultural Re-*
7 *search Program Office in such form as required to ensure*
8 *that the Directors of the Program Offices are the primary*
9 *program leaders for the mission areas of the integrated*
10 *agencies and that administrative duplication does not*
11 *occur.*

12 (h) *PRIORITIZING FEDERAL RESEARCH ACTIVITIES*
13 *FOR SPECIALTY CROPS.—The Under Secretary, in coordi-*
14 *nation with the Directors of relevant Program Offices,*
15 *shall—*

16 (1) *coordinate with and assist producers and or-*
17 *ganizations comprised of program beneficiaries work-*
18 *ing together to develop and implement applied re-*
19 *search and extension related to the United States spe-*
20 *cialty crop industry;*

21 (2) *facilitate in the delivery of information to*
22 *beneficiaries in a user-friendly form, in addition to*
23 *a standard research publication, and reward pro-*
24 *viders for their abilities to deliver information to both*
25 *the scientific community and the end-user; and*

1 (3) *ensure coordination among research initia-*
2 *tives funded and sponsored by the Department of Ag-*
3 *riculture.*

4 **SEC. 7105. ESTABLISHMENT OF COMPETITIVE GRANT PRO-**
5 **GRAMS UNDER THE NATIONAL INSTITUTE**
6 **FOR FOOD AND AGRICULTURE.**

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

13 **SEC. 7106. MERGING OF IFAFS AND NRI.**

14 (a) *AMENDMENT.*—*Subsection (b) of the Competitive,*
15 *Special, and Facilities Research Grant Act (7 U.S.C.*
16 *450i(b)) is amended to read as follows:*

17 “(b) *COMPETITIVE GRANT PROGRAMS.*—

18 “(1) *COMPETITIVE BASIS.*—*The Secretary of Ag-*
19 *riculture is authorized to make competitive grants for*
20 *the purposes and priorities established under this sub-*
21 *section.*

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

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

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

2 “(B) determine the relevance and merit of
3 proposals through a system of peer and merit re-
4 view in accordance with section 103 of the Agri-
5 cultural Research, Extension, and Education Re-
6 form Act of 1998 (7 U.S.C. 7613);

7 “(C) award grants on the basis of merit,
8 quality, and relevance to advancing the purposes
9 and priorities established under paragraphs (8)
10 and (12) of this subsection;

11 “(D) solicit and consider input from per-
12 sons who conduct or use agricultural research,
13 extension, or education in accordance with sec-
14 tion 102(b) of the Agricultural Research, Exten-
15 sion, and Education Reform Act of 1998 (7
16 U.S.C. 7612(b)); and

17 “(E) in seeking proposals for grants under
18 this subsection and in performing peer review
19 evaluations of such proposals, seek the widest
20 participation of qualified scientists in the Fed-
21 eral Government, colleges and universities, State
22 agricultural experiment stations, and the private
23 sector.

24 “(4) *ELIGIBLE ENTITIES.*—The Secretary may
25 make a grant under this subsection to State agricul-

1 *tural experiment stations, all colleges and univer-*
2 *sities, university research foundations, other research*
3 *institutions and organizations, Federal agencies, na-*
4 *tional laboratories, private organizations or corpora-*
5 *tions, and individuals, for research to further the pro-*
6 *grams of the Department of Agriculture.*

7 “(5) *ADMINISTRATIVE COSTS.*—*Not more than 4*
8 *percent of funds made available pursuant to this sub-*
9 *section may be retained by the Secretary to pay ad-*
10 *ministrative costs incurred by the Secretary in car-*
11 *rying out this subsection.*

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

18 “(7) *PURPOSES.*—*The purposes of the programs*
19 *established under paragraph (8) shall reflect the pur-*
20 *poses and additional purposes of agricultural re-*
21 *search, extension, and education reflected in sections*
22 *1402 and 1403 of the National Agricultural Research,*
23 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
24 *3101 and 3102).*

1 “(8) *BASIC AND APPLIED RESEARCH PRO-*
2 *GRAMS.—The Secretary shall establish 2 distinct pro-*
3 *grams of agricultural research, one to fund funda-*
4 *mental, basic research pursuant to paragraph (9) to*
5 *be known as the National Research Initiative and one*
6 *to fund applied, integrated research, education, and*
7 *extension pursuant to paragraph (10) to be known as*
8 *the Initiative for Future Agricultural and Food Sys-*
9 *tems.*

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

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

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

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

21 “(iii) *Not less than 10 percent shall be*
22 *available to make grants under subpara-*
23 *graphs (D), (F), and (G) of paragraph (13)*
24 *for research and education strengthening*
25 *and research opportunity.*

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

4 “(B) *MATCHING FUNDS.*—*Except as pro-*
5 *vided in this subparagraph, the Secretary may*
6 *not take the offer or availability of matching*
7 *funds into consideration in making a grant*
8 *under this subsection. In the case of grants under*
9 *paragraph (13)(D), the amount provided under*
10 *this subsection may not exceed 50 percent of the*
11 *cost of the special research equipment or other*
12 *equipment acquired. The Secretary may waive*
13 *all or part of the matching requirement under*
14 *this subparagraph in the case of a college, uni-*
15 *versity, or research foundation maintained by a*
16 *college or university that ranks in the lowest one-*
17 *third of such colleges, universities, and research*
18 *foundations on the basis of Federal research*
19 *funds received if the equipment to be acquired*
20 *costs not more than \$25,000 and has multiple*
21 *uses within a single research project or is usable*
22 *in more than 1 research project.*

23 “(10) *INITIATIVE FOR FUTURE AGRICULTURAL*
24 *AND FOOD SYSTEMS MATCHING FUNDS.*—*As a condi-*
25 *tion of making a grant under this paragraph, the*

1 *Secretary shall require the funding of the grant be*
2 *matched with equal matching funds from a non-Fed-*
3 *eral source if the grant is—*

4 “(A) *for applied research that is com-*
5 *modity-specific; and*

6 “(B) *not of national scope.*

7 “(11) *RESEARCH PRIORITIES.—The research pri-*
8 *orities for the programs established in paragraph (8)*
9 *shall be consistent with the priorities in effect for the*
10 *National Research Initiative (7 U.S.C. 450i(b)) and*
11 *Initiative for Future Agricultural and Food Systems*
12 *(7 U.S.C. 7621) on the day before the date of enact-*
13 *ment of this subsection. Priorities under the Initiative*
14 *for Future Agricultural and Food Systems shall in-*
15 *clude classical plant and animal breeding.*

16 “(12) *PROGRAM ADMINISTRATION.—To the great-*
17 *est extent possible, the Under Secretary, in conjunc-*
18 *tion with the Directors of the National Agricultural*
19 *Research Program Offices established in section 7104*
20 *of the Farm, Nutrition, and Bioenergy Act of 2007,*
21 *shall allocate these grants to high priority research*
22 *taking into consideration, when available, the deter-*
23 *minations made by the National Agricultural Re-*
24 *search, Extension, Education, and Economics Advi-*
25 *sory Board (as established under section 1408 of the*

1 *National Agricultural Research, Extension, and*
2 *Teaching Policy Act of 1977 (7 U.S.C. 3123).*

3 “(13) *SPECIAL CONSIDERATIONS.*—*In addition*
4 *to making research grants under paragraph (9), the*
5 *Secretary may conduct a program to improve re-*
6 *search capabilities in the agricultural, food, and envi-*
7 *ronmental sciences and award the following categories*
8 *of competitive grants. Grants may be awarded—*

9 “(A) *to a single investigator or coinvestiga-*
10 *tors within the same discipline;*

11 “(B) *to teams of researchers from different*
12 *areas of agricultural research and scientific dis-*
13 *ciplines;*

14 “(C) *to multidisciplinary teams that are*
15 *proposing research on long-term applied research*
16 *problems, with technology transfer a major com-*
17 *ponent of all such grant proposals;*

18 “(D) *to an institution to allow for the im-*
19 *provement of the research, development, tech-*
20 *nology transfer, and education capacity of the*
21 *institution through the acquisition of special re-*
22 *search equipment and the improvement of agri-*
23 *cultural education and teaching; however the*
24 *Secretary shall use not less than 25 percent of*
25 *the funds made available for grants under this*

1 *subparagraph to provide fellowships to out-*
2 *standing pre- and post-doctoral students for re-*
3 *search in the agricultural sciences;*

4 “(E) *to a single investigator or coinvestiga-*
5 *tors who are beginning their research careers and*
6 *do not have an extensive research publication*
7 *record; however, to be eligible for a grant under*
8 *this subparagraph, an individual shall be within*
9 *5 years of the individual’s initial career track*
10 *position;*

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

16 “(G) *to improve research capabilities in*
17 *States (as defined in the National Agricultural*
18 *Research, Extension, and Teaching Policy Act of*
19 *1977 (7 U.S.C. 3101 et seq.)) in which institu-*
20 *tions have been less successful in receiving fund-*
21 *ing under this subsection, based on a 3-year roll-*
22 *ing average of funding levels.*

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

1 40 percent shall be used to fund programs under
2 paragraph (10).

3 “(15) *TRANSFER OF FUNDS FROM THE INITIA-*
4 *TIVE FOR FUTURE AGRICULTURE AND FOOD SYS-*
5 *TEMS.—Funds made available pursuant to section*
6 *401(b)(3)(D) of the Agricultural Research, Extension,*
7 *and Education Reform Act of 1998 (7 U.S.C. 7621*
8 *(b)(3)(D)) shall be transferred to the program estab-*
9 *lished under this subsection.*

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

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

14 “(B) *Funds made available in each fiscal*
15 *year shall remain available until expended to*
16 *pay for obligations incurred in that fiscal year.”.*

17 (b) *REPEALS.—The following provisions are hereby re-*
18 *pealed:*

19 (1) *Section 401 of the Agricultural Research, Ex-*
20 *tension, and Education Reform Act of 1998 (7 U.S.C.*
21 *7621).*

22 (2) *Subsection (2)(d) of the Competitive, Special,*
23 *and Facilities Research Grant Act of 1965 (7 U.S.C.*
24 *450i(c)).*

1 **SEC. 7107. CAPACITY BUILDING GRANTS FOR ASCARR INSTI-**
2 **TUTIONS.**

3 (a) *GRANT PROGRAM.*—

4 (1) *IN GENERAL.*—*The Secretary shall make*
5 *competitive grants to ASCARR Institutions to assist*
6 *the ASCARR Institutions in maintaining and ex-*
7 *panding the capacity of the ASCARR Institutions to*
8 *conduct education, research, and outreach activities*
9 *relating to—*

10 (A) *agriculture;*

11 (B) *renewable resources; and*

12 (C) *other similar disciplines.*

13 (2) *USE OF FUNDS.*—*An ASCARR Institution*
14 *that receives a grant under subsection (a)(1) may use*
15 *the funds made available through the grant to main-*
16 *tain and expand the capacity of the ASCARR Insti-*
17 *tution—*

18 (A) *to successfully compete for funds from*
19 *Federal grants and other sources to carry out*
20 *educational, research, and outreach activities*
21 *that address priority concerns of national, re-*
22 *gional, State, and local interest;*

23 (B) *to disseminate information relating to*
24 *priority concerns to—*

1 (i) interested members of the agri-
2 culture, renewable resources, and other rel-
3 evant communities;

4 (ii) the public; and

5 (iii) any other interested entity;

6 (C) to encourage members of the agriculture,
7 renewable resources, and other relevant commu-
8 nities to participate in priority education, re-
9 search, and outreach activities by providing
10 matching funding to leverage grant funds; and

11 (D) through—

12 (i) the purchase or other acquisition of
13 equipment and other infrastructure (not in-
14 cluding alteration, repair, renovation, or
15 construction of buildings);

16 (ii) the professional growth and devel-
17 opment of the faculty of the ASCARR Insti-
18 tution; and

19 (iii) the development of graduate
20 assistantships.

21 (b) *AUTHORIZATION OF APPROPRIATIONS.*—There are
22 authorized to be appropriated to carry out this section such
23 sums as are necessary for each fiscal year 2008 through
24 2012.

1 **SEC. 7108. 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 move*
8 *from a place outside the territorial limits of the*
9 *United States to a place within the territorial limits*
10 *of the United States.*

11 (3) *LIVE VIRUS.—The term “live virus” means a*
12 *live virus of foot-and-mouth disease or a live virus of*
13 *any other animal disease that is a threat to the health*
14 *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 the*
18 *States, the District of Columbia, the Commonwealth*
19 *of Puerto Rico, Guam, the Commonwealth of the*
20 *Northern Mariana Islands, the Virgin Islands of the*
21 *United States, or any territory or possession of the*
22 *United States.*

23 (6) *UNITED STATES.—The term “United States”*
24 *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) *ACTIVITIES AUTHORIZED WHEN DISEASE*
7 *THREATENS LIVESTOCK.—To the extent the Secretary*
8 *determines that an animal disease constitutes a threat*
9 *to the livestock industry, the Secretary is authorized*
10 *to conduct research, diagnostics, and other activities*
11 *related to the animal disease.*

12 (c) *RESTRICTIONS REGARDING LIVE VIRUS.—*

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

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

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

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

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

24 (A) *import a live virus into the United*
25 *States;*

1 (B) transport a live virus within the United
2 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 regulations
22 promulgated pursuant to section 351A of the Public
23 Health Service Act (42 U.S.C. 262a) or the Agricul-
24 tural Bioterrorism Protection Act of 2002 (7 U.S.C.
25 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 appro-*
4 *priated such sums as necessary to carry out this section.*

5 **SEC. 7109. GRAZINGLANDS RESEARCH LABORATORY.**

6 *Notwithstanding any other provision of law, without*
7 *specific authorization by an Act of Congress, the Federal*
8 *land and facilities at El Reno, Oklahoma, currently admin-*
9 *istered by the Secretary of Agriculture as the Grazinglands*
10 *Research Laboratory, shall not at any time, in whole or*
11 *part, be declared to be excess or surplus Federal property*
12 *under chapter 5 of subtitle I of title 40, United States Code,*
13 *or otherwise be conveyed or transferred in whole or in part.*

14 **SEC. 7110. RESEARCHER TRAINING.**

15 (a) *REQUIREMENT.*—*The Secretary shall require that*
16 *persons receiving funds under section 1668(g)(2) of the*
17 *Food, Agriculture, Conservation, and Trade Act of 1990 (7*
18 *U.S.C. 5921(g)(2)) to conduct research concerning geneti-*
19 *cally engineered plants, including seed and other propa-*
20 *gative materials, complete a training program approved by*
21 *the Secretary.*

22 (b) *CERTIFICATION OF THIRD-PARTY PROVIDERS.*—
23 *Not later than 180 days after the date of the enactment of*
24 *this Act, the Secretary shall establish a system for approv-*
25 *ing individuals and entities to provide training under sub-*

1 *section (a), including criteria for the evaluation of trainers*
2 *or potential trainers.*

3 (c) *EXPERTISE.—In establishing criteria for the eval-*
4 *uation of potential trainers, the Secretary shall ensure that*
5 *individuals and entities with expertise in quality manage-*
6 *ment systems, plant breeding and genetics, and the tech-*
7 *nical aspects of the Federal regulatory process for agricul-*
8 *tural biotechnology, are eligible to become approved trainers*
9 *under subsection (b).*

10 **SEC. 7111. FORT RENO SCIENCE PARK RESEARCH FACILITY.**

11 *The Secretary of Agriculture may lease land to the*
12 *University of Oklahoma at the Grazinglands Research Lab-*
13 *oratory at El Reno, Oklahoma, on such terms and condi-*
14 *tions as the University and the Secretary may agree in fur-*
15 *therance of cooperative research and existing easement ar-*
16 *rangements.*

17 **SEC. 7112. ASSESSING THE NUTRITIONAL COMPOSITION OF**
18 **BEEF PRODUCTS.**

19 (a) *STUDY.—Not later than 1 year after the date of*
20 *the enactment of this Act, the Secretary shall award a*
21 *grant, contract, or other agreement with an appropriate*
22 *land-grant university to update the Department of Agri-*
23 *culture's Nutrient Composition Handbook for Beef, also*
24 *known as Handbook #8–13. The Handbook shall incor-*
25 *porate accurate and current data collected by the university*

1 *to be used by Federal agencies, private industries, health*
2 *organizations, and consumers to determine important diet*
3 *and health-related issues associated with the consumption*
4 *of beef and beef products.*

5 *(b) AUTHORIZATION OF APPROPRIATIONS.—There are*
6 *authorized to be appropriated such sums as are necessary*
7 *to carry out this section to be available until expended .*

8 **SEC. 7113. SENSE OF CONGRESS REGARDING FUNDING FOR**
9 **HUMAN NUTRITION RESEARCH.**

10 *It is the sense of the Congress that—*

11 *(1) human nutrition research has the potential*
12 *for improving the health status of the American pub-*
13 *lic through studies that help determine—*

14 *(A) the food and beverage intakes of Ameri-*
15 *cans and the nutrient composition of the food*
16 *supply;*

17 *(B) the relationship between diet and obe-*
18 *sity, particularly to prevent childhood obesity;*

19 *(C) the authoritative, peer-reviewed, science-*
20 *based evidence that forms the basis for Federal*
21 *nutrition policy, dietary guidelines and pro-*
22 *grams; and*

23 *(D) the nutrient requirements for individ-*
24 *uals at various stages in the lifespan and for*

1 vulnerable populations, particularly children
2 and the elderly;

3 (2) human nutrition research holds the potential
4 for identifying factors in crops and livestock that pro-
5 vide nutrition benefits to humans and add value for
6 producers;

7 (3) the potential cost savings to Federal health
8 programs, combined with the boost in revenues for
9 farmers who produce nutritionally enhanced foods,
10 justifies an increase in funding to a level sufficient to
11 conduct this essential research; and

12 (4) the USDA regional human nutritional re-
13 search centers have unique value in linking producer
14 and consumer interests into investigations of food and
15 human nutrition issues and conducting long-term nu-
16 trition studies; and activities at these centers should
17 be preserved and coordinated with other human nu-
18 trition research activities.

19 ***Subtitle B—National Agricultural***
20 ***Research, Extension, and Teach-***
21 ***ing Policy Act of 1977***

22 ***SEC. 7201. ADVISORY BOARD.***

23 Section 1408(g)(1) of the National Agricultural Re-
24 search, Extension, and Teaching Policy Act of 1977 (7

1 *U.S.C. 3123(g)(1)* is amended by striking “\$350,000” and
2 inserting “\$500,000”.

3 **SEC. 7202. ADVISORY BOARD TERMINATION.**

4 *Section 1408(h) of the National Agricultural Research,*
5 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
6 *3123(h)) is amended by striking “2007” and inserting*
7 *“2012”.*

8 **SEC. 7203. RENEWABLE ENERGY COMMITTEE.**

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

12 **“SEC. 1408B. RENEWABLE ENERGY COMMITTEE.**

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

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

1 “(c) *REPORT BY RENEWABLE ENERGY COMMITTEE.*—
2 *Not later than 180 days after the establishment of the re-*
3 *newable energy committee, and annually thereafter, the re-*
4 *newable energy committee shall submit to the Advisory*
5 *Board a report containing the findings of its study under*
6 *subsection (a). The renewable energy committee shall in-*
7 *clude in each report its recommendations.*

8 “(d) *COORDINATION OF FUNCTIONS.*—*In carrying out*
9 *its functions, the Renewable Energy Committee shall co-*
10 *ordinate with the Biomass Research and Development Act*
11 *Committee.*

12 “(e) *MATTERS TO BE CONSIDERED IN BUDGET REC-*
13 *OMMENDATION.*—*In preparing the annual budget rec-*
14 *ommendations for the Department, the Secretary shall take*
15 *into consideration those findings and recommendations con-*
16 *tained in the most recent report of the renewable energy*
17 *committee that are adopted by the Advisory Committee.*

18 “(f) *REPORT BY THE SECRETARY.*—*In the budget ma-*
19 *terial submitted to Congress by the Secretary in connection*
20 *with the budget submitted pursuant to section 1105 of title*
21 *31, United States Code, for a fiscal year, the Secretary shall*
22 *include a report describing how the Secretary addressed*
23 *each recommendation of the renewable energy committee de-*
24 *scribed in subsection (e) of this section.”.*

1 **SEC. 7204. SPECIALTY CROP COMMITTEE REPORT.**

2 *Section 1408A(c) of the National Agricultural Re-*
3 *search, Extension, and Teaching Policy Act of 1977 (7*
4 *U.S.C. 3123a(c)) is amended by adding at the end the fol-*
5 *lowing:*

6 *“(4) Analyses of the specialty crop sector, includ-*
7 *ing the impact of changes in domestic and inter-*
8 *national markets, production and new product tech-*
9 *nologies, alternative policies and macroeconomic con-*
10 *ditions on specialty crop production, use, farm and*
11 *retail prices, and farm income and financial stability*
12 *from a national, regional, and farm-level perspective.*

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

15 *“(6) Development of data that provides applied*
16 *information useful to specialty crop growers, their as-*
17 *sociations, and other interested beneficiaries in evalu-*
18 *ating that industry from a regional and national per-*
19 *spective.”.*

20 **SEC. 7205. INCLUSION OF UDC IN GRANTS AND FELLOW-**
21 **SHIPS FOR FOOD AND AGRICULTURAL**
22 **SCIENCES EDUCATION.**

23 *Section 1417 of the National Agricultural Research,*
24 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
25 *3152) is amended—*

1 (1) in subsection (b), by inserting “including the
2 *University of the District of Columbia*,” after “uni-
3 *versities*,”; and

4 (2) in subsection (d)(2), by inserting “, includ-
5 *ing the University of the District of Columbia*,” after
6 “*universities*”

7 **SEC. 7206. GRANTS AND FELLOWSHIPS FOR FOOD AND AG-**
8 **RICULTURAL SCIENCES EDUCATION.**

9 (a) *EDUCATION TEACHING PROGRAMS*.—Section
10 *1417(j) of the National Agricultural Research, Extension*
11 *and Teaching Policy Act of 1977 (7 U.S.C. 3152(j)) is*
12 *amended—*

13 (1) in the subsection heading, by striking “*SEC-*
14 *ONDARY EDUCATION AND 2-YEAR POSTSECONDARY*
15 *EDUCATION TEACHING PROGRAMS*” and inserting
16 “*SECONDARY EDUCATION, 2-YEAR POSTSECONDARY*
17 *EDUCATION, AND AGRICULTURE IN THE K–12 CLASS-*
18 *ROOM*”; and

19 (2) in paragraph (3)—

20 (A) by striking “*secondary schools, and in-*
21 *stitutions of higher education that award an as-*
22 *sociate’s degree*” and inserting “*secondary*
23 *schools, institutions of higher education that*
24 *award an associate’s degree, other institutions of*
25 *higher education, and nonprofit organizations*”;

1 (B) in subparagraph (E), by striking “and”
2 at the end;

3 (C) in subparagraph (F), by striking the
4 period at the end and inserting “; and”; and

5 (D) by adding at the end the following:

6 “(G) to support current agriculture in the
7 classroom programs for grades K–12.”.

8 (b) *AUTHORIZATION OF APPROPRIATIONS.*—Section
9 1417(l) of the National Agricultural Research, Extension,
10 and Teaching Policy Act of 1977 (7 U.S.C. 3152(l)) is
11 amended by striking “2007” and inserting “2012”.

12 (c) *REPORT.*—Section 1417 of the National Agricul-
13 tural Research, Extension and Teaching Policy Act of 1977
14 is amended by adding at the end the following:

15 “(m) *REPORT.*—The Secretary shall submit an annual
16 report to the Committee on Agriculture of the House of Rep-
17 resentatives and the Committee on Agriculture, Nutrition
18 and Forestry of the Senate detailing the distribution of
19 funds used to implement the teaching programs under sub-
20 section (j).”.

1 **SEC. 7207. GRANTS FOR RESEARCH ON PRODUCTION AND**
2 **MARKETING OF ALCOHOLS AND INDUSTRIAL**
3 **HYDROCARBONS FROM AGRICULTURAL COM-**
4 **MODITIES AND FOREST PRODUCTS.**

5 *Section 1419(d) of the National Agricultural Research,*
6 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
7 *3154(d)) is amended by striking “2007” and inserting*
8 *“2012”.*

9 **SEC. 7208. POLICY RESEARCH CENTERS.**

10 *Section 1419A of the National Agricultural Research,*
11 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
12 *3155) is amended—*

13 *(1) in subsection (b), by inserting “, including*
14 *the Food Agricultural Policy Research Institute and*
15 *the Agricultural and Food Policy Center” after “re-*
16 *search institutions and organizations”; and*

17 *(2) in subsection (d), by striking “2007” and in-*
18 *serting “2012”.*

19 **SEC. 7209. HUMAN NUTRITION INTERVENTION AND HEALTH**
20 **PROMOTION RESEARCH PROGRAM.**

21 *Section 1424(d) of the National Agricultural Research,*
22 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
23 *3174(d)) is amended by striking “2007” and inserting*
24 *“2012”.*

1 **SEC. 7210. PILOT RESEARCH PROGRAM TO COMBINE MED-**
2 **ICAL AND AGRICULTURAL RESEARCH.**

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

7 **SEC. 7211. NUTRITION EDUCATION PROGRAM.**

8 *Section 1425(c)(3) of the National Agricultural Re-*
9 *search, Extension, and Teaching Policy Act of 1977 (7*
10 *U.S.C. 3175(c)(3)) is amended by striking “2007” and in-*
11 *serting “2012”.*

12 **SEC. 7212. CONTINUING ANIMAL HEALTH AND DISEASE RE-**
13 **SEARCH PROGRAMS.**

14 *Section 1433(a) of the National Agricultural Research,*
15 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
16 *3195(a)) is amended in the first sentence by striking*
17 *“2007” and inserting “2012”.*

18 **SEC. 7213. COOPERATION AMONG ELIGIBLE INSTITUTIONS.**

19 *Section 1433 of the National Agricultural Research,*
20 *Extension, and Teaching Policy Act of 1977 is amended*
21 *by adding at the end the following new subsection:*

22 *“(g) COOPERATION AMONG ELIGIBLE INSTITU-*
23 *TIONS.—The Secretary, to the maximum extent practicable,*
24 *shall encourage eligible institutions to cooperate in setting*
25 *research priorities under this section through the conduct*
26 *of regular regional and national meetings.”.*

1 **SEC. 7214. APPROPRIATIONS FOR RESEARCH ON NATIONAL**
2 **OR REGIONAL PROBLEMS.**

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

7 **SEC. 7215. AUTHORIZATION LEVEL OF EXTENSION AT 1890**
8 **LAND-GRANT COLLEGES.**

9 *Section 1444(a)(2) of the National Agricultural Re-*
10 *search, Extension, and Teaching Policy Act of 1977 (7*
11 *U.S.C. 3221(a)(2)) is amended by striking “15 percent”*
12 *and inserting “20 percent”.*

13 **SEC. 7216. AUTHORIZATION LEVEL FOR AGRICULTURAL RE-**
14 **SEARCH AT 1890 LAND-GRANT COLLEGES.**

15 *Section 1445(a)(2) of the National Agricultural Re-*
16 *search, Extension, and Teaching Policy Act of 1977 (7*
17 *U.S.C. 3222(a)(2)) is amended by striking “25 percent”*
18 *and inserting “30 percent”.*

19 **SEC. 7217. GRANTS TO UPGRADE AGRICULTURE AND FOOD**
20 **SCIENCES FACILITIES AT THE DISTRICT OF**
21 **COLUMBIA LAND GRANT UNIVERSITY.**

22 *The National Agricultural Research, Extension, and*
23 *Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.) is*
24 *amended by inserting after section 1447 the following:*

1 **“SEC. 1447A. GRANTS TO UPGRADE AGRICULTURE AND**
2 **FOOD SCIENCES FACILITIES AT THE DIS-**
3 **TRICT OF COLUMBIA LAND GRANT UNIVER-**
4 **SITY.**

5 *“(a) PURPOSE.—It is declared to be the intent of Con-*
6 *gress to assist the land grant university in the District of*
7 *Columbia, as established under section 208 of the District*
8 *of Columbia Public Postsecondary Education Reorganiza-*
9 *tion Act of October 26, 1974 (Public Law 93–471) in efforts*
10 *acquire, alter, or repair facilities or relevant equipment*
11 *necessary for conducting agricultural research.*

12 *“(b) AUTHORIZATION OF APPROPRIATIONS.—There*
13 *are authorized to be appropriated for the purposes of car-*
14 *rying out the provisions of this section \$750,000 for each*
15 *of fiscal years 2008 through 2012.”.*

16 **SEC. 7218. GRANTS TO UPGRADE AGRICULTURAL AND FOOD**
17 **SCIENCES FACILITIES AT 1890 LAND-GRANT**
18 **COLLEGES, INCLUDING TUSKEGEE UNIVER-**
19 **SITY.**

20 *Section 1447(b) of the National Agricultural Research,*
21 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
22 *3222b(b)) is amended by striking “2007” and inserting*
23 *“2012”.*

1 **SEC. 7219. NATIONAL RESEARCH AND TRAINING VIRTUAL**
2 **CENTERS.**

3 *Section 1448 of the National Agricultural Research,*
4 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
5 *3222c) is amended by striking “2007” each place it appears*
6 *in subsections (a)(1) and (f) and inserting “2012”.*

7 **SEC. 7220. MATCHING FUNDS REQUIREMENT FOR RE-**
8 **SEARCH AND EXTENSION ACTIVITIES OF 1890**
9 **INSTITUTIONS.**

10 *Section 1449(c) of the National Agricultural Research,*
11 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
12 *3222d(c)) is amended in the first sentence by striking “for*
13 *each of fiscal years 2003 through 2007,”.*

14 **SEC. 7221. HISPANIC-SERVING INSTITUTIONS.**

15 *Section 1455(c) of the National Agricultural Research,*
16 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
17 *3241(c)) is amended by striking “2007” and inserting*
18 *“2012”.*

19 **SEC. 7222. HISPANIC-SERVING AGRICULTURAL COLLEGES**
20 **AND UNIVERSITIES.**

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

24 **“SEC. 1456. HISPANIC-SERVING AGRICULTURAL COLLEGES**
25 **AND UNIVERSITIES.**

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

1 “(1) *ENDOWMENT FUND.*—*The term ‘endowment*
2 *fund’ means the Hispanic-Serving Agricultural Col-*
3 *leges and Universities Fund established under sub-*
4 *section (b).*

5 “(2) *HISPANIC-SERVING AGRICULTURAL COL-*
6 *LEGE AND UNIVERSITIES.*—*The term ‘Hispanic-serv-*
7 *ing agricultural colleges and universities’ means a*
8 *college or university that—*

9 “(A) *qualifies as a ‘Hispanic-serving insti-*
10 *tution’ as defined in section 502(a)(5) of the*
11 *Higher Education Act of 1965 (20 U.S.C.*
12 *1101a(a)(5)); and*

13 “(B) *offers associate, bachelor’s, or other ac-*
14 *credited degree programs in agriculture-related*
15 *fields.*

16 “(b) *ENDOWMENT.*—

17 “(1) *IN GENERAL.*—*In accordance with this sub-*
18 *section, the Secretary of the Treasury shall establish*
19 *a Hispanic-Serving Agricultural Colleges and Univer-*
20 *sities Fund. The Secretary of the Treasury may enter*
21 *into such agreements as are necessary to carry out*
22 *this subsection.*

23 “(2) *DEPOSIT TO THE ENDOWMENT FUND.*—*The*
24 *Secretary of the Treasury shall deposit in the endow-*
25 *ment fund any—*

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

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

6 “(3) INVESTMENTS.—The Secretary of the Treas-
7 ury shall invest the endowment fund corpus and in-
8 come in interest-bearing obligations of the United
9 States.

10 “(4) WITHDRAWALS AND EXPENDITURES.—The
11 Secretary of the Treasury may not make a with-
12 drawal or expenditure from the endowment fund cor-
13 pus. On September 30, 2008, and each September 30
14 thereafter, the Secretary of the Treasury shall with-
15 draw the amount of the income from the endowment
16 fund for the fiscal year and warrant the funds to the
17 Secretary of Agriculture who, after making adjust-
18 ments for the cost of administering the endowment
19 fund, shall distribute the adjusted income as follows:

20 “(A) 60 percent distributed among the His-
21 panic-serving agricultural colleges and univer-
22 sities on a pro rata basis based on each institu-
23 tion’s Hispanic enrollment count.

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

4 “(5) AUTHORIZATION OF APPROPRIATIONS.—

5 “(A) IN GENERAL.—For fiscal year 2008,
6 and for each fiscal year thereafter, there is au-
7 thorized to be appropriated to the Department of
8 Agriculture an amount equal to—

9 “(i) \$80,000; multiplied by

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

12 “(B) PAYMENTS.—For fiscal year 2008, and
13 for each fiscal year thereafter, the Secretary of
14 the Treasury shall pay to the treasurer of each
15 Hispanic-Serving agricultural college and uni-
16 versity an amount equal to—

17 “(i) the total amount made available
18 by appropriations pursuant to paragraph
19 (1); divided by

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

22 “(C) USE OF FUNDS.—Amounts authorized
23 to be appropriated under this subsection shall be
24 used in the same manner as is prescribed for col-
25 leges under the Act of August 30, 1890 (com-

1 *monly known as the Second Morrill Act), and*
2 *except as otherwise provided in this subsection,*
3 *the requirements of such Act shall apply to the*
4 *Hispanic-serving agricultural colleges and uni-*
5 *versities.*

6 “(D) *Amounts appropriated pursuant to*
7 *this section shall be held and considered to have*
8 *been granted to Hispanic-serving agricultural*
9 *colleges and universities to establish an endow-*
10 *ment pursuant to subsection (b).*

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

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

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

20 “(A) *REQUIREMENTS FOR GRANTS.—The*
21 *Secretary shall make grants under this sub-*
22 *section on the basis of a competitive application*
23 *process under which Hispanic-serving agricul-*
24 *tural colleges and universities may submit appli-*

1 *cations to the Secretary in such form and man-*
2 *ner as the Secretary may prescribe.*

3 “(B) *BROADER PARTICIPATION AND GEO-*
4 *GRAPHIC DIVERSITY.*—*All Hispanic-serving agri-*
5 *cultural colleges and universities shall be eligible*
6 *to compete for grants under this subsection.*

7 “(C) *DEMONSTRATION OF NEED.*—*The Sec-*
8 *retary shall require as part of an application for*
9 *a grant under this subsection, a demonstration of*
10 *need based on criteria stated in subsection (b)(5).*
11 *The Secretary may award a grant under this*
12 *subsection only to an applicant that dem-*
13 *onstrates a failure to obtain funding for a*
14 *project after making a reasonable effort to other-*
15 *wise obtain the funding.*

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

22 “(3) *AUTHORIZATION OF APPROPRIATIONS.*—
23 *There are authorized to be appropriated to the Sec-*
24 *retary of Agriculture to carry out this subsection,*

1 *such sums as are necessary for fiscal year 2008, and*
2 *for each fiscal year thereafter.*

3 “(d) *COMPETITIVE GRANTS PROGRAM.*—*The Secretary*
4 *of Agriculture shall establish a competitive grants program*
5 *to fund basic and applied research at Hispanic-serving ag-*
6 *ricultural colleges and universities in agriculture, human*
7 *nutrition, food science, bioenergy, and environmental*
8 *science. There are authorized to be appropriated to the Sec-*
9 *retary such sums as are necessary to carry out this sub-*
10 *section for fiscal year 2008 and for each fiscal year there-*
11 *after.”.*

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

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

16 “(4) *There are authorized to be appropriated for fiscal*
17 *year 2008, and for each fiscal year thereafter, such sums*
18 *as are necessary for the purposes set forth in section 4. Such*
19 *sums shall be in addition to the sums appropriated for the*
20 *several States and Puerto Rico, the Virgin Islands, and*
21 *Guam under the provisions of this section. Such sums shall*
22 *be distributed on the basis on a competitive application*
23 *process to be developed and implemented by the Secretary*
24 *and paid by the Secretary to the State institutions estab-*
25 *lished in accordance with the provisions of the Act of July*

1 2, 1862 (commonly known as the First Morrill Act) and
 2 administered by such institutions through cooperative
 3 agreements with the Hispanic-serving agricultural colleges
 4 and universities in the States of the institutions in accord-
 5 ance with regulations that the Secretary shall adopt.”; and

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

9 **SEC. 7223. INTERNATIONAL AGRICULTURAL RESEARCH, EX-**
 10 **TENSION, AND EDUCATION.**

11 Section 1458(a) of the National Agricultural Research,
 12 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
 13 3291(a)) is amended—

14 (1) in paragraph (1)—

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

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

19 (C) by adding at the end the following:

20 “(C) giving priority to those institutions
 21 with existing memorandums of understanding,
 22 agreements, or other formal ties to United States
 23 institutions, or State or Federal agencies;”;

1 (2) in paragraph (3), by inserting “Hispanic-
2 serving agricultural colleges and universities,” after
3 “universities,”;

4 (3) in paragraph (7)(A), by striking “and land-
5 grant colleges and universities” and inserting “, land-
6 grant colleges and universities, and Hispanic-serving
7 agricultural colleges and universities”;

8 (4) in paragraph (9)(A), by striking “or other
9 colleges and universities” and inserting “, or other
10 colleges and universities, or Hispanic-serving agricul-
11 tural colleges and universities”; and

12 (5) by adding at the end the following:

13 “(11) establish a program for the purpose of pro-
14 viding fellowships to United States or foreign students
15 to study at foreign agricultural colleges and univer-
16 sities working under agreements provided for under
17 paragraph (3).”.

18 **SEC. 7224. COMPETITIVE GRANTS FOR INTERNATIONAL AG-**
19 **RICULTURAL SCIENCE AND EDUCATION PRO-**
20 **GRAMS.**

21 Section 1459A(c) of the National Agricultural Re-
22 search, Extension, and Teaching Policy Act of 1977 (7
23 U.S.C. 3292b(c)) is amended by striking “2007” and insert-
24 ing “2012”.

1 **SEC. 7225. LIMITATION ON INDIRECT COSTS FOR AGRICUL-**
2 **TURAL RESEARCH, EDUCATION, AND EXTEN-**
3 **SION PROGRAMS.**

4 *Section 1462(a) of the National Agriculture Research,*
5 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
6 *3310(a)) is amended by striking “a competitive” and in-*
7 *serting “any”.*

8 **SEC. 7226. RESEARCH EQUIPMENT GRANTS.**

9 *Section 1462A(e) of the National Agricultural Re-*
10 *search, Extension, and Teaching Policy Act of 1977 (7*
11 *U.S.C. 3310a(e)) is amended by striking “2007” and insert-*
12 *ing “2012”.*

13 **SEC. 7227. UNIVERSITY RESEARCH.**

14 *Section 1463 of the National Agricultural Research,*
15 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
16 *3311) is amended by striking “2007” each place it appears*
17 *in subsections (a) and (b) and inserting “2012”.*

18 **SEC. 7228. EXTENSION SERVICE.**

19 *Section 1464 of the National Agricultural Research,*
20 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
21 *3312) is amended by striking “2007” and inserting “2012”.*

22 **SEC. 7229. SUPPLEMENTAL AND ALTERNATIVE CROPS.**

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

1 **SEC. 7230. AQUACULTURE RESEARCH FACILITIES.**

2 *Section 1477 of the National Agricultural Research,*
3 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
4 *3324) is amended by striking “2007” and inserting “2012”.*

5 **SEC. 7231. RANGELAND RESEARCH.**

6 *Section 1483(a) of the National Agricultural Research,*
7 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
8 *3336(a)) is amended by striking “2007” and inserting*
9 *“2012”.*

10 **SEC. 7232. SPECIAL AUTHORIZATION FOR BIOSECURITY**
11 **PLANNING AND RESPONSE.**

12 *Section 1484(a) of the National Agricultural Research,*
13 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
14 *3351(a)) is amended by striking “2007” and inserting*
15 *“2012”.*

16 **SEC. 7233. RESIDENT INSTRUCTION AND DISTANCE EDU-**
17 **CATION GRANTS PROGRAM FOR INSULAR**
18 **AREA INSTITUTIONS OF HIGHER EDUCATION.**

19 *(a) DISTANCE EDUCATION GRANTS FOR INSULAR*
20 *AREAS.—Section 1490(f) of the National Agricultural Re-*
21 *search, Extension, and Teaching Policy Act of 1977 (7*
22 *U.S.C. 3362(f)) is amended by striking “2007” and insert-*
23 *ing “2012”.*

24 *(b) RESIDENT INSTRUCTION GRANTS FOR INSULAR*
25 *AREAS.—Section 1491 of the National Agricultural Re-*

1 *search, Extension, and Teaching Policy Act of 1977 (7*
2 *U.S.C. 3363) is amended—*

3 *(1) by redesignating subsection (e) as subsection*
4 *(c); and*

5 *(2) in subsection (c) (as so redesignated), by*
6 *striking “2007” and inserting “2012”.*

7 ***Subtitle C—Food, Agriculture, Con-***
8 ***servation, and Trade Act of 1990***

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

10 *Section 1635(b) of the Food, Agriculture, Conservation,*
11 *and Trade Act of 1990 (7 U.S.C. 5844(b)) is amended by*
12 *striking “2007” and inserting “2012”.*

13 ***SEC. 7302. NATIONAL AGRICULTURAL WEATHER INFORMA-***
14 ***TION SYSTEM.***

15 *Section 1641(c) of the Food, Agriculture, Conservation,*
16 *and Trade Act of 1990 (7 U.S.C. 5855(c)) is amended by*
17 *striking “1991 through 1997” and inserting “2008 through*
18 *2012”.*

19 ***SEC. 7303. PARTNERSHIPS.***

20 *Section 1672(d) of the Food, Agriculture, Conserva-*
21 *tion, and Trade Act of 1990 (7 U.S.C. 5925(d)) is amended*
22 *by striking “may” and inserting “shall”.*

23 ***SEC. 7304. AFLATOXIN RESEARCH AND EXTENSION.***

24 *Section 1672(e)(3) of the Food, Agriculture, Conserva-*
25 *tion, and Trade Act of 1990 (7 U.S.C. 5925(e)(3)) is*

1 *amended by striking “and controlling aflatoxin in the food*
2 *and feed chains.” and inserting “improving, and eventually*
3 *commercializing aflatoxin controls in corn and other af-*
4 *ected agricultural products and crops.”.*

5 **SEC. 7305. HIGH-PRIORITY RESEARCH AND EXTENSION**
6 **AREAS.**

7 *Section 1672(e) of the Food, Agriculture, Conservation,*
8 *and Trade Act of 1990 (7 U.S.C. 5925(e)) is amended by*
9 *adding the following:*

10 *“(46) FARMED AND WILD CERVID DISEASE AND*
11 *APPLIED GENETICS RESEARCH.—Research grants*
12 *may be made under this section for the purpose of in-*
13 *vestigating the major infectious, parasitic and toxic*
14 *diseases of importance to farmed and wild cervids.*

15 *“(47) AIR EMISSIONS FROM LIVESTOCK OPER-*
16 *ATIONS.—Research and extension grants may be*
17 *made under this section for the purpose of conducting*
18 *field verification tests and developing mitigation op-*
19 *tions for air emissions from animal feeding oper-*
20 *ations.*

21 *“(48) SWINE GENOME PROJECT.—Research*
22 *grants may be made under this section to conduct*
23 *swine genome research and to map the swine genome.*

24 *“(49) CATTLE FEVER TICK PROGRAM.—Research*
25 *and extension grants may be made to study cattle*

1 *fever ticks to facilitate understanding of the role of*
2 *wildlife in the persistence and spread of cattle fever*
3 *ticks; to develop advanced methods for eradication of*
4 *cattle fever ticks; and to improve management of dis-*
5 *eases related to cattle fever ticks that are associated*
6 *with wildlife, livestock, and human health.*

7 “(50) *COLONY COLLAPSE DISORDER PROGRAM.—*
8 *Research and extension grants may be made to survey*
9 *and collect data of honey bee colony production and*
10 *health; research various factors possibly contributing*
11 *to or associated with colony collapse disorder; and de-*
12 *velop mitigative and preventative measures to im-*
13 *prove bee health.*

14 “(51) *SYNTHETIC GYPSUM FROM ELECTRIC*
15 *POWER PLANTS RESEARCH.—Research and extension*
16 *grants may be made to study the uses of synthetic*
17 *gypsum from electric power plants to remediate soil*
18 *and nutrient losses.*

19 “(52) *CRANBERRY RESEARCH PROGRAM.—Re-*
20 *search and extension grants may be made to study*
21 *new technologies to assist cranberry growers in com-*
22 *plying with Federal and State environmental regula-*
23 *tions, increase production, develop new growing tech-*
24 *niques, establish more efficient growing methodologies,*

1 *and educate farmers about sustainable growth prac-*
2 *tices.*

3 “(53) *SORGHUM RESEARCH INITIATIVE.*—*Re-*
4 *search and extension grants may be made to study the*
5 *use of sorghum as a bioenergy feedstock, promote di-*
6 *versification in, and the environmental sustainability*
7 *of sorghum production, and promote water conserva-*
8 *tion through the use of sorghum.*

9 “(54) *BEAN HEALTH RESEARCH PROGRAM.*—*Re-*
10 *search and extension grants may be made to study*
11 *bean-based solutions to chronic health and nutritional*
12 *concerns in both developed and developing countries,*
13 *and to increase bean consumption.”.*

14 **SEC. 7306. HIGH-PRIORITY RESEARCH AND EXTENSION INI-**
15 **TIATIVES.**

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

19 **SEC. 7307. NUTRIENT MANAGEMENT RESEARCH AND EX-**
20 **TENSION INITIATIVE.**

21 *Section 1672A of the Food, Agriculture, Conservation,*
22 *and Trade Act of 1990 (7 U.S.C. 5925a) is amended—*

23 (1) *by redesignating subsection (g) as subsection*
24 *(f);*

1 (2) *in subsection (d), by inserting “or address*
2 *unique regional concerns” after “entities”;*

3 (3) *in subsection (e)(1)(B), by inserting “and*
4 *dairy cattle waste” after “swine waste”; and*

5 (4) *in subsection (f) (as so redesignated in para-*
6 *graph (1)), by striking “2007” and inserting “2012”.*

7 **SEC. 7308. AGRICULTURAL TELECOMMUNICATIONS PRO-**
8 **GRAM.**

9 *Section 1673(h) of the Food, Agriculture, Conserva-*
10 *tion, and Trade Act of 1990 (7 U.S.C. 5926(h)) is amended*
11 *by striking “2007” and inserting “2012”.*

12 **SEC. 7309. ASSISTIVE TECHNOLOGY PROGRAM FOR FARM-**
13 **ERS WITH DISABILITIES.**

14 *Section 1680(c)(1) of the Food, Agriculture, Conserva-*
15 *tion, and Trade Act of 1990 (7 U.S.C. 5933(c)(1)) is*
16 *amended by striking “2007” and inserting “2012”.*

17 **SEC. 7310. ORGANIC RESEARCH.**

18 *(a) IN GENERAL.—The Organic Agriculture Research*
19 *and Extension Initiative (section 1672B of the Food, Agri-*
20 *culture, Conservation, and Trade Act of 1990 (7 U.S.C.*
21 *5925b)) is amended—*

22 *(1) in subsection (a)—*

23 *(A) in paragraph (5), by striking “and”*
24 *after the semicolon;*

1 (B) in paragraph (6), at the end by striking
2 the period and inserting a semicolon; and

3 (C) by adding at the end the following:

4 “(7) examining optimal conservation and envi-
5 ronmental outcomes relating to organically produced
6 agricultural products; and

7 “(8) developing new and improved seed varieties
8 that are particularly suited for organic agriculture.”;
9 and

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

11 “(f) *AUTHORIZATION OF APPROPRIATIONS.*—There is
12 authorized to be appropriated \$25,000,000 for each of fiscal
13 years 2009 through 2012.

14 “(g) *ADDITIONAL FUNDING.*—In addition to funds
15 made available under subsection (f), of the funds of the
16 Commodity Credit Corporation, the Secretary shall make
17 available to carry out this section a total of \$25,000,000
18 for fiscal years 2008 through 2012.”.

19 (b) *COORDINATION.*—In carrying out this section, the
20 Secretary shall ensure that the Director of the applicable
21 Program Office established under section 7104(a) coordi-
22 nates projects and activities carried out under this section
23 to ensure, to the maximum extent practicable, that duplica-
24 tion of effort is eliminated or minimized.

1 **SEC. 7311. NATIONAL RURAL INFORMATION CENTER**
2 **CLEARINGHOUSE.**

3 *Section 2381(e) of the Food, Agriculture, Conservation,*
4 *and Trade Act of 1990 (7 U.S.C. 3125b(e)) is amended by*
5 *striking “2007” and inserting “2012”.*

6 **SEC. 7312. NEW ERA RURAL TECHNOLOGY PROGRAM.**

7 *(a) FUNCTIONS.—*

8 *(1) The Secretary shall establish the “New Era*
9 *Rural Technology Program”, to make grants avail-*
10 *able for technology development, applied research, and*
11 *training to aid in the development of an agriculture-*
12 *based renewable energy workforce. This initiative*
13 *shall support the fields of bioenergy, pulp and paper*
14 *manufacturing, and for agriculture-based renewable*
15 *energy resources.*

16 *(2) To receive funding under this section an en-*
17 *tity—*

18 *(A) shall be a rural community college or*
19 *advanced technological center, in existence on the*
20 *date of the enactment of this Act, that partici-*
21 *pates in agricultural or bioenergy research and*
22 *applied research;*

23 *(B) shall have a proven record of develop-*
24 *ment and implementation of programs to meet*
25 *the needs of students, educators, and business*
26 *and industry to supply the agriculture-based, re-*

1 newable energy or pulp and paper manufac-
2 turing fields with certified technicians as deter-
3 mined by the Secretary of Agriculture; and

4 (C) shall have the ability to leverage exist-
5 ing partnerships and occupational outreach and
6 training programs for secondary schools, 4-year
7 institutions and relevant non-profit organiza-
8 tions.

9 (b) *LIMITATION ON AUTHORIZATION OF APPROPRIA-*
10 *TIONS.—To carry out this section, there are authorized to*
11 *be appropriated such sums as necessary for each of the fiscal*
12 *years 2008 through 2012.*

13 (c) *COMMUNITY COLLEGES.—In this section, the term*
14 *“community college” means an institution of higher edu-*
15 *cation—*

16 (1) *that admits as regular students persons who*
17 *are beyond the age of compulsory school attendance in*
18 *the State in which the institution is located and who*
19 *have the ability to benefit from the training offered by*
20 *the institution;*

21 (2) *that does not provide an educational pro-*
22 *gram for which it awards a bachelor’s degree, or an*
23 *equivalent degree; and*

24 (3) *that—*

1 (A) provides an educational program of not
2 less than two years that is acceptable for full
3 credit toward such a degree; or

4 (B) offers a two-year program in engineer-
5 ing, technology, mathematics, or the physical,
6 chemical or biological sciences, designed to pre-
7 pare a student to work as a technician or at the
8 semiprofessional level in engineering, scientific,
9 or other technological fields requiring the under-
10 standing and application of basic engineering,
11 scientific, or mathematical principles of knowl-
12 edge.

13 (d) *GRANT PRIORITY.*—Preference shall be given to
14 rural community colleges working in partnership to im-
15 prove information sharing capacity and to maximize the
16 ability to meet the requirements of this section.

17 ***Subtitle D—Agricultural Research,***
18 ***Extension, and Education Re-***
19 ***form Act of 1998***

20 ***SEC. 7401. PARTNERSHIPS FOR HIGH-VALUE AGRICUL-***
21 ***TURAL PRODUCT QUALITY RESEARCH.***

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

1 **SEC. 7402. PRECISION AGRICULTURE.**

2 *Section 403(i)(1) of the Agricultural Research, Extension,*
3 *and Education Reform Act of 1998 (7 U.S.C.*
4 *7623(i)(1)) is amended by striking “2007” and inserting*
5 *“2012”.*

6 **SEC. 7403. BIOBASED PRODUCTS.**

7 *(a) PILOT PROJECT.—Section 404(e)(2) of the Agricul-*
8 *tural Research, Extension, and Education Reform Act of*
9 *1998 (7 U.S.C. 7624(e)(2)) is amended by striking “2007”*
10 *and inserting “2012”.*

11 *(b) AUTHORIZATION OF APPROPRIATIONS.—Section*
12 *404(h) of the Agricultural Research, Extension, and Edu-*
13 *cation Reform Act of 1998 (7 U.S.C. 7624(h)) is amended*
14 *by striking “2007” and inserting “2012”.*

15 **SEC. 7404. THOMAS JEFFERSON INITIATIVE FOR CROP DI-**
16 **VERSIFICATION.**

17 *Section 405(h) of the Agricultural Research, Extension,*
18 *and Education Reform Act of 1998 (7 U.S.C. 7625(h))*
19 *is amended by striking “2007” and inserting “2012”.*

20 **SEC. 7405. INTEGRATED RESEARCH, EDUCATION, AND EX-**
21 **TENSION COMPETITIVE GRANTS PROGRAM.**

22 *Section 406(f) of the Agricultural Research, Extension,*
23 *and Education Reform Act of 1998 (7 U.S.C. 7626(f)) is*
24 *amended by striking “2007” and inserting “2012”.*

1 **SEC. 7406. FUSARIUM GRAMINEARUM GRANTS.**

2 *Section 408 of the Agricultural Research, Extension,*
3 *and Education Reform Act of 1998 (7 U.S.C. 7628(e)) is*
4 *amended—*

5 *(1) in the heading for such section, by striking*
6 *“GRANT” and inserting “GRANTS”; and*

7 *(2) in subsection (e), by striking “2007” and in-*
8 *serting “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. 7629(b))*
12 *is amended by striking “2007” and inserting “2012”.*

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

14 *Section 410 of the Agricultural Research, Extension,*
15 *and Education Reform Act of 1998 (7 U.S.C. 7630) is*
16 *amended by striking subsections (b) and (c) and inserting*
17 *the following:*

18 *“(b) FLEXIBILITY.—The Secretary shall provide max-*
19 *imum flexibility in content delivery to each organization*
20 *receiving funds under this section so as to ensure that the*
21 *unique goals of each organization, as well as the local com-*
22 *munity needs are fully met.*

23 *“(c) REDISTRIBUTION OF FUNDING WITHIN ORGANI-*
24 *ZATIONS AUTHORIZED.—Recipients of funds under this sec-*
25 *tion are authorized to redistribute all or part of the funds*
26 *received to individual councils or local chapters within such*

1 organization without further need of approval from the Sec-
2 retary.

3 “(d) *AUTHORIZATION OF APPROPRIATIONS.*—There
4 are authorized to be appropriated to carry out this section
5 such sums as are necessary for each of fiscal years 2008
6 through 2012.”.

7 **SEC. 7409. AGRICULTURAL BIOTECHNOLOGY RESEARCH**
8 **AND DEVELOPMENT FOR DEVELOPING COUN-**
9 **TRIES.**

10 Section 411(c) of the Agricultural Research, Extension,
11 and Education Reform Act of 1998 (7 U.S.C. 7631(c)) is
12 amended by striking “2007” and inserting “2012”.

13 **SEC. 7410. AGRICULTURAL BIOENERGY AND BIOBASED**
14 **PRODUCTS RESEARCH INITIATIVE.**

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

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

20 “(a) *DEFINITION.*—For the purposes of this section, the
21 term ‘Initiative’ means the agricultural bioenergy and
22 biobased products research initiative established by sub-
23 section (b).

24 “(b) *ESTABLISHMENT.*—There is established within
25 the Department a bioenergy and biobased products research

1 *initiative to enhance the production, sustainability, and*
2 *conversion of biomass to renewable fuels and related prod-*
3 *ucts.*

4 “(c) *LABORATORY NETWORK.*—

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

8 “(A) *Federal agencies;*

9 “(B) *national laboratories;*

10 “(C) *colleges and universities;*

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

13 “(E) *private organizations or corporations;*

14 “(F) *State agricultural experiment stations;*

15 *and*

16 “(G) *individuals.*

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

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

23 “(i) *plant genetics and breeding;*

24 “(ii) *crop production;*

25 “(iii) *soil and water science;*

1 “(iv) use of agricultural waste;

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

4 “(vi) enzyme development;

5 “(vii) fermentation;

6 “(viii) microbiology;

7 “(ix) cellulosic gasification; and

8 “(x) ethanol by-product utilization.

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

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

17 “(d) COORDINATION.—In carrying out the Initiative,
18 the Secretary shall ensure that the Director of the applicable
19 Program office established under section 7104(a)(1) shall
20 coordinate projects and activities carried out under the Ini-
21 tiative with projects and activities under the Biomass Re-
22 search and Development Act of 2000 (7 U.S.C. 8601 et seq)
23 to ensure, to the maximum extent practicable, that—

24 “(1) duplication of effort is eliminated or mini-
25 mized; and

1 “(2) *the respective strengths of the Department*
2 *and the Department of Energy are maximized.*

3 “(e) *RESEARCH PROJECTS.—In carrying out this sec-*
4 *tion, the Secretary shall award grants on a competitive*
5 *basis.*

6 “(f) *ADMINISTRATION.—*

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

9 “(A) *seek and accept proposals for grants;*

10 “(B) *determine the relevance and merit of*
11 *proposals through a system of peer review in ac-*
12 *cordance with (7 U.S.C. 7613); and*

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

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

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

21 “(g) *BUILDINGS AND FACILITIES.—Funds made avail-*
22 *able under this section shall not be used for the construction*
23 *of a new building or facility or the acquisition, expansion,*
24 *remodeling, or alteration of an existing building or facility*

1 *(including site grading and improvement and architect*
2 *fees).*

3 “(h) *FUNDING.*—*There is authorized to be appro-*
4 *priated \$50,000,000 for each of fiscal years 2008 through*
5 *2012 to carry out this section.*”.

6 **SEC. 7411. SPECIALTY CROP RESEARCH INITIATIVE.**

7 (a) *IN GENERAL.*—*Title IV of the Agricultural Re-*
8 *search, Extension, and Education Reform Act of 1998 (7*
9 *U.S.C. 7621 et seq.), as amended by section 7410, is further*
10 *amended by adding at the end the following:*

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

12 “(a) *DEFINITIONS.*—*In this section:*

13 “(1) *INITIATIVE.*—*The term ‘Initiative’ means*
14 *the specialty crop research initiative established by*
15 *subsection (b).*

16 “(2) *SPECIALTY CROP.*—*The term ‘specialty*
17 *crop’ shall have the meaning given that term in sec-*
18 *tion 3(1) of the Specialty Crops Competitiveness Act*
19 *of 2004 (7 U.S.C. 1621).*

20 “(b) *ESTABLISHMENT.*—*There is established within*
21 *the Department a specialty crop research initiative to ad-*
22 *dress the critical needs of the specialty crop industry by*
23 *developing and disseminating science-based tools to address*
24 *needs of specific crops and their regions, including—*

25 “(1) *research in—*

- 1 “(A) *plant breeding, genetics, and genomics*
2 *to improve crop characteristics, such as—*
- 3 “(i) *product appearance;*
4 “(ii) *environmental responses and tol-*
5 *erances;*
6 “(iii) *nutrient management;*
7 “(iv) *pest and disease management;*
8 *and*
9 “(v) *enhanced phytonutrient content;*
10 “(B) *safety;*
11 “(C) *quality;*
12 “(D) *yield;*
13 “(E) *taste; and*
14 “(F) *shelf life;*
- 15 “(2) *efforts to identify and address threats from*
16 *invasive species;*
- 17 “(3) *efforts to improve agricultural production*
18 *by developing more technologically efficient and effec-*
19 *tive applications of water, nutrients, and pesticides;*
- 20 “(4) *new innovations and technology, such as en-*
21 *hancing mechanization and reducing reliance on*
22 *labor; and*
- 23 “(5) *production efficiency, productivity, profit-*
24 *ability and marketing.*

1 “(c) *ELIGIBLE ENTITIES.*—*The Secretary may carry*
2 *out the Initiative through—*

3 “(1) *Federal agencies;*

4 “(2) *national laboratories;*

5 “(3) *colleges and universities;*

6 “(4) *research institutions and organizations;*

7 “(5) *private organizations or corporations;*

8 “(6) *State agricultural experiment stations; and*

9 “(7) *individuals.*

10 “(d) *RESEARCH PROJECTS.*—*In carrying out this sec-*
11 *tion, the Secretary shall award grants on a competitive*
12 *basis.*

13 “(e) *ADMINISTRATION.*—

14 “(1) *IN GENERAL.*—*For grants awarded under*
15 *subsection (d) the Secretary shall—*

16 “(A) *seek and accept proposals for grants;*

17 “(B) *determine the relevance and merit of*
18 *proposals through a system of peer review in ac-*
19 *cordance with section 103; and*

20 “(C) *award grants on the basis of merit,*
21 *quality, and relevance.*

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

24 “(3) *OTHER CONDITIONS.*—*The Secretary may*
25 *set such other conditions on the award of a grant*

1 *under this section as the Secretary determines appro-*
2 *priate.*

3 “(f) *BUILDINGS AND FACILITIES.—Funds made avail-*
4 *able under this section shall not be used for the construction*
5 *of a new building or facility or the acquisition, expansion*
6 *remodeling, or alteration of an existing building or facility*
7 *(including site grading and improvement and architect*
8 *fees).*

9 “(g) *FUNDING.—There is authorized to be appro-*
10 *priated \$100,000,000 for each of fiscal years 2008 through*
11 *2012 to carry out this section.*

12 “(h) *ADDITIONAL FUNDING.—In addition to funds*
13 *made available under subsection (g), of the funds of the*
14 *Commodity Credit Corporation, the Secretary shall make*
15 *available to carry out this section a total of \$215,000,000*
16 *for fiscal years 2008 through 2012.”.*

17 (b) *COORDINATION.— In carrying out this section, the*
18 *Secretary shall ensure that the Director of the applicable*
19 *Program Office established under section 7104(a) coordi-*
20 *nates projects and activities carried out under this section*
21 *to ensure, to the maximum extent practicable, that duplica-*
22 *tion of effort is eliminated or minimized.*

1 **SEC. 7412. OFFICE OF PEST MANAGEMENT POLICY.**

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

5 **Subtitle E—Other Laws**

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

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

10 **SEC. 7502. EQUITY IN EDUCATIONAL LAND-GRANT STATUS**

11 **ACT OF 1994.**

12 *(a) ENDOWMENT FOR 1994 INSTITUTIONS.—Section*
13 *533(b) of the Equity in Educational Land-Grant Status*
14 *Act of 1994 (7 U.S.C. 301 note; Public Law 103–382) is*
15 *amended in the first sentence by striking “2007” and in-*
16 *serting “2012”.*

17 *(b) INSTITUTIONAL CAPACITY BUILDING GRANTS.—*
18 *Section 535 of the Equity in Educational Land-Grant Sta-*
19 *tus Act of 1994 (7 U.S.C. 301 note; Public Law 103–382)*
20 *is amended by striking “2007” each place it appears and*
21 *inserting “2012”.*

22 *(c) RESEARCH GRANTS.—Section 536(c) of the Equity*
23 *in Educational Land-Grant Status Act of 1994 (7 U.S.C.*
24 *301 note; Public Law 103–382) is amended in the first sen-*
25 *tence by striking “2007” and inserting “2012”.*

1 **SEC. 7503. AGRICULTURAL EXPERIMENT STATION RE-**
2 **SEARCH FACILITIES ACT.**

3 *Section 6(a) of the Research Facilities Act (7 U.S.C.*
4 *390d(a)) is amended by striking “2007” and inserting*
5 *“2012”.*

6 **SEC. 7504. NATIONAL AGRICULTURAL RESEARCH, EXTEN-**
7 **SION, AND TEACHING POLICY ACT AMEND-**
8 **MENTS OF 1985.**

9 *Section 1431 of the National Agricultural Research,*
10 *Extension, and Teaching Policy Act Amendments of 1985*
11 *(Public Law 99–198; 99 Stat. 1556) is amended by striking*
12 *“2007” and inserting “2012”.*

13 **SEC. 7505. COMPETITIVE, SPECIAL, AND FACILITIES RE-**
14 **SEARCH GRANT ACT (NATIONAL RESEARCH**
15 **INITIATIVE).**

16 *Section 2 of the Competitive, Special, and Facilities*
17 *Research Grant Act (7 U.S.C. 450i) is amended—*

18 *(1) in subsection (b)(10), by striking “2007” and*
19 *inserting “2012”; and*

20 *(2) by striking subsection (g).*

21 **SEC. 7506. AGRICULTURAL RISK PROTECTION ACT OF 2000**
22 **(CARBON CYCLE RESEARCH).**

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

1 **SEC. 7507. RENEWABLE RESOURCES EXTENSION ACT OF**
2 **1978.**

3 (a) *AUTHORIZATION OF APPROPRIATIONS.*—Section 6
4 of the Renewable Resources Extension Act of 1978 (16
5 U.S.C. 1675) is amended by striking “2007” and inserting
6 “2012”.

7 (b) *TERMINATION DATE.*—Section 8 of the Renewable
8 Resources Extension Act of 1978 (16 U.S.C. 1671 note; Pub-
9 lic Law 95–306) is amended by striking “2007” and insert-
10 ing “2012”.

11 **SEC. 7508. NATIONAL AQUACULTURE ACT OF 1980.**

12 Section 10 of the National Aquaculture Act of 1980
13 (16 U.S.C. 2809) is amended by striking “2007” each place
14 it appears and inserting “2012”.

15 **SEC. 7509. CONSTRUCTION OF A CHINESE GARDEN AT THE**
16 **NATIONAL ARBORETUM.**

17 The Act of March 4, 1927 (20 U.S.C. 191 et seq.), is
18 amended by adding at the end the following:

19 **“SEC. 197. CONSTRUCTION OF A CHINESE GARDEN AT THE**
20 **NATIONAL ARBORETUM.**

21 “A Chinese Garden may be constructed at the National
22 Arboretum established under this Act with—

23 “(1) funds accepted under the provisions of sec-
24 tion 195 (20 U.S.C. 195);

25 “(2) authorities provided to the Secretary of Ag-
26 riculture under section 196 (20 U.S.C. 196); and

1 “(3) appropriations provided for this purpose.”.

2 **SEC. 7510. PUBLIC EDUCATION REGARDING USE OF BIO-**
3 **TECHNOLOGY IN PRODUCING FOOD FOR**
4 **HUMAN CONSUMPTION.**

5 Section 10802(b) of the Farm Security and Rural In-
6 vestment Act of 2002 (7 U.S.C. 5921a(b)) is amended by
7 striking “2007” and inserting “2012”.

8 **SEC. 7511. FRESH CUT PRODUCE SAFETY GRANTS.**

9 (a) *IN GENERAL.*—The Secretary may award competi-
10 tive research and extension grants to eligible entities to en-
11 able such entities to design, implement, and evaluate inno-
12 vative, cost-effective programs to improve and enhance the
13 safety of fresh cut produce.

14 (b) *ELIGIBLE ENTITIES.*—To be eligible to receive a
15 grant under subsection (a) an entity shall—

16 (1) be a university, college, or other entity des-
17 ignated by the Secretary; and

18 (2) have developed partnerships with producers
19 of fresh cut produce.

20 (c) *USE OF FUNDS.*—An entity shall use funds re-
21 ceived under a grant under this section to—

22 (1) improve sanitation and food safety practices
23 in the processing of fresh cut produce;

24 (2) develop improved techniques to monitor and
25 inspect fresh cut produce;

1 (3) *develop efficient, rapid and sensitive methods*
2 *to detect contaminants in fresh cut produce;*

3 (4) *determine the sources of contamination in*
4 *fresh cut produce;*

5 (5) *develop methods to reduce or destroy harmful*
6 *pathogens before, during, and after processing of fresh*
7 *cut produce; and*

8 (6) *conduct other research as determined appro-*
9 *priate by the Secretary.*

10 (d) *MATCHING FUNDS REQUIRED.—The Secretary*
11 *shall require the recipient of a grant under this section to*
12 *provide funds or in-kind support from non-Federal sources*
13 *in an amount at least equal to the amount provided by*
14 *the Federal Government.*

15 (e) *COORDINATION.—In carrying out this section, the*
16 *Secretary shall ensure that the Director of the applicable*
17 *Program Office established under section 7104(a) coordi-*
18 *nates projects and activities carried out under this section*
19 *to ensure, to the maximum extent practicable, that duplica-*
20 *tion of effort is eliminated or minimized.*

21 (f) *AUTHORIZATION OF APPROPRIATIONS.—There are*
22 *authorized to be appropriated such sums as are necessary*
23 *to carry out this section for each of fiscal years 2008*
24 *through 2012.*

1 (g) *ADDITIONAL FUNDING.*—*In addition to funds*
2 *made available under subsection (f), of the funds of the*
3 *Commodity Credit Corporation, the Secretary shall make*
4 *available to carry out this section a total of \$25,000,000*
5 *for fiscal years 2008 through 2012.*

6 **SEC. 7512. UDC/EFNEP ELIGIBILITY.**

7 *Section 208 of the District of Columbia Public Postsec-*
8 *ondary Education Reorganization Act (Public Law 93–*
9 *471) is amended—*

10 (1) *in subsection (b)(2), by striking “, except”*
11 *and all that follows through the period and inserting*
12 *a period; and*

13 (2) *in subsection (c), by striking “section 3” each*
14 *place it appears and inserting “section 3(c)”.*

15 **SEC. 7513. SMITH-LEVER ACT.**

16 *Section 3(e)(4) of the Smith-Lever Act (7 U.S.C.*
17 *343(e)(4)) is amended—*

18 (1) *in the paragraph heading, by inserting “AND*
19 *THE DISTRICT OF COLUMBIA” after “AREAS”;*

20 (2) *in subparagraph (A), by inserting “and the*
21 *District of Columbia” after “United States”;*

22 (3) *in subparagraph (A), by inserting “and the*
23 *District of Columbia” after “respectively,”; and*

24 (4) *in subparagraph (B), by inserting “or the*
25 *District of Columbia” after “area”.*

1 **SEC. 7514. HATCH ACT OF 1987.**

2 *Section 3(d)(4) of the Hatch Act of 1887 (7 U.S.C.*
3 *351c(d)(4)) is amended—*

4 *(1) in the paragraph heading, by inserting “AND*
5 *THE DISTRICT OF COLUMBIA” after “AREAS”;*

6 *(2) in subparagraph (A), by inserting “ and the*
7 *District of Columbia” after “United States”;*

8 *(3) in subparagraph (A), by inserting “and the*
9 *District of Columbia” after “respectively,”; and*

10 *(4) in subparagraph (B), by inserting “or the*
11 *District of Columbia” after “area”.*

12 ***Subtitle F—Additional Provisions***

13 **SEC. 7601. MERIT REVIEW OF EXTENSION AND EDU-**
14 **CATIONAL GRANTS.**

15 *Section 103 of the Agricultural Research, Extension,*
16 *and Education Reform Act of 1998 (7 U.S.C. 7613) is*
17 *amended in subsection (a)(2)(A), by striking “Cooperative*
18 *State Research, Education, and Extension Service of the*
19 *Department” and inserting “the National Institute for*
20 *Food and Agriculture.”.*

21 **SEC. 7602. REVIEW OF PLAN OF WORK REQUIREMENTS.**

22 *(a) REVIEW.—The Secretary shall work with univer-*
23 *sity partners in extension and research to review and iden-*
24 *tify measures to streamline the submission, reporting under,*
25 *and implementation of plan of work requirements including*
26 *those under—*

1 (1) *section 1444 and 1444(d) and 1445(c) of the*
2 *National Agricultural Research, Extension, and*
3 *Teaching Policy Act of 1977 (7 U.S.C. 3221(d) and*
4 *3222(c), respectively);*

5 (2) *section 7 of the Hatch Act of 1887 (7 U.S.C.*
6 *361g); and*

7 (3) *section 4 of the Smith-Lever Act (7 U.S.C.*
8 *344).*

9 (b) *REPORT.—Not later than 180 days after the date*
10 *of the enactment of this Act, the Secretary shall provide to*
11 *the Committee on Agriculture of the House of Representa-*
12 *tives and the Committee on Agriculture, Nutrition, and*
13 *Forestry of the Senate a report regarding the review carried*
14 *out under subsection (a). The report shall include rec-*
15 *ommendations—*

16 (1) *to reduce the administrative burden and*
17 *workload upon institutions associated with plan of*
18 *work compliance while meeting Department reporting*
19 *needs for inputs, outputs, and outcome indicators;*

20 (2) *to streamline the submission and reporting*
21 *requirements of the plan of work such that it is of*
22 *practical utility to both the department and the insti-*
23 *tution; and*

24 (3) *for any legislative changes necessary to carry*
25 *out the plan of work improvements.*

1 (c) *CONSULTATION*.—*In carrying out the review and*
2 *formulating and compiling the recommendations, the Sec-*
3 *retary shall consult with the land grant institutions.*

4 **SEC. 7603. MULTISTATE AND INTEGRATION FUNDING.**

5 (a) *FUNDS EXPENDED ON INTEGRATION OF RE-*
6 *SEARCH AND EXTENSION*.—*Section 3 of the Hatch Act of*
7 *1887 (7 U.S.C. 361c) is amended—*

8 (1) *in subsection (i)(2)(B), by striking “the lesser*
9 *of” and inserting “25 percent”; and*

10 (2) *by striking clauses (i) and (ii).*

11 (b) *FUNDS EXPENDED ON MULTISTATE COOPERATIVE*
12 *EXTENSION ACTIVITIES*.—*Section 3 of the Smith Lever Act*
13 *(7 U.S.C. 343) is amended—*

14 (1) *in subsection (h)(2)(B), by striking “the less-*
15 *er of” and inserting “25 percent”; and*

16 (2) *by striking clauses (i) and (ii).*

17 **SEC. 7604. EXPANDED FOOD AND NUTRITION EDUCATION**
18 **PROGRAM.**

19 (a) *FUNDING TO 1862, 1890, AND INSULAR AREA IN-*
20 *STITUTIONS*.—*Section 1425(c)(2)(B) of the National Agri-*
21 *culture Research, Extension, and Teaching Policy Act of*
22 *1977 (7 U.S.C. 3175(c)(2)(B)) is amended—*

23 (1) *in the prefatory material, by striking*
24 *“among the States”;*

1 (2) *by striking clause (i) and inserting the fol-*
2 *lowing:*

3 “(i) \$100,000 shall be distributed to
4 each of the land grant colleges and univer-
5 sities;”;

6 (3) *by redesignating clause (ii) as clause (iii);*

7 (4) *by inserting after clause (i) the following:*

8 “(ii) subject to subsection (d), of the re-
9 mainder, 10 percent in fiscal year 2008, 11
10 percent in fiscal year 2009, 12 percent in
11 fiscal year 2010, 13 percent in fiscal year
12 2011, 14 percent in fiscal year 2012, and
13 15 percent in fiscal year 2013 and each fis-
14 cal year thereafter, shall be allocated to each
15 1890 Institution (as defined in section 2 of
16 the Agricultural Research, Extension, and
17 Education Reform Act of 1998) in an
18 amount that bears the same ratio to the
19 total amount to be allocated under this
20 clause as the population of the State living
21 at or below 125 percent of the income pov-
22 erty guidelines prescribed by the Office of
23 Management and Budget (adjusted pursu-
24 ant to section 673(2) of the Omnibus Budg-
25 et Reconciliation Act of 1981 (42 U.S.C.

1 9902)), bears to the total population of all
2 the States that have 1890 Institutions living
3 at or below 125 percent of the income pov-
4 erty guidelines, as determined by the last
5 preceding decennial census at the time each
6 such additional amount is first appro-
7 priated: Provided, That the total allocated
8 under this clause shall not exceed (I) the
9 amount of the funds appropriated for the
10 conduct of the expanded food and nutrition
11 education program for the fiscal year that
12 are in excess of the amount appropriated
13 for the conduct of the program for the fiscal
14 year ending September 30, 2007, reduced by
15 (II) any amounts expended pursuant to any
16 adjustment under subsection (d); and”; and
17 (5) by amending clause (iii), as redesignated—
18 (A) by striking “allocated to each State”
19 and inserting “allocated to the institution eligi-
20 ble to receive funds under the Act of July 2, 1862
21 (and including the appropriate insular area in-
22 stitution) in each State (and the University of
23 the District of Columbia, notwithstanding sec-
24 tion 208(c) of Public Law 93–471)”; and

1 (1) *IN GENERAL.*—*The Secretary of Agriculture*
2 *shall establish a fellowship program to be known as*
3 *the “Borlaug International Agricultural Science and*
4 *Technology Fellowship Program,” to provide fellow-*
5 *ships for scientific training to individuals from eligi-*
6 *ble countries (as described under subsection (b)) who*
7 *specialize in agricultural education, research, and ex-*
8 *tension for study in the United States.*

9 (2) *PROGRAMS.*—*The Secretary shall carry out*
10 *the program established under paragraph (1) through*
11 *3 programs designed to assist individual fellowship*
12 *recipients as follows:*

13 (A) *A Graduate Studies Program in Agri-*
14 *culture to assist individuals who participate in*
15 *graduate agricultural degree training at a*
16 *United States institution.*

17 (B) *An Individual Career Improvement*
18 *Program to assist agricultural scientists from de-*
19 *veloping countries to upgrade skills and under-*
20 *standing in agricultural science and technology.*

21 (C) *The Borlaug Agricultural Policy Execu-*
22 *tive Leadership Course to assist senior agricul-*
23 *tural policy makers from eligible countries with*
24 *an initial focus on sub-Saharan Africa and from*

1 *the newly independent states of the former Soviet*
2 *Union.*

3 (b) *ELIGIBLE COUNTRIES.*—*Developing countries, as*
4 *determined by the Secretary using a gross national income*
5 *per capita test, shall be eligible to participate in the pro-*
6 *gram established under this section.*

7 (c) *PURPOSE OF FELLOWSHIPS.*—*Fellowships under*
8 *this section shall promote food security and economic*
9 *growth in eligible countries by educating a new generation*
10 *of agricultural scientists, increasing scientific knowledge*
11 *and collaborative research to improve agricultural produc-*
12 *tivity, and extending this knowledge to users and their*
13 *intermediaries in the market place. Fellowships shall sup-*
14 *port—*

15 (1) *training and collaborative research opportu-*
16 *nities through exchanges for entry-level international*
17 *agricultural research scientists, faculty, and policy-*
18 *makers from eligible countries;*

19 (2) *collaborative research to improve agricultural*
20 *productivity;*

21 (3) *the transfer of new science and agricultural*
22 *technologies to strengthen agricultural practice; and*

23 (4) *the reduction of barriers to technology adop-*
24 *tion.*

25 (d) *FELLOWSHIP RECIPIENTS.*—

1 (1) *ELIGIBLE CANDIDATES.*—*The Secretary may*
2 *provide fellowships under the program authorized by*
3 *this section to individuals from eligible countries who*
4 *specialize in or have experience in agricultural edu-*
5 *cation, research, extension, or related fields, including*
6 *individuals from the public and private sectors, and*
7 *private agricultural producers.*

8 (2) *CANDIDATE IDENTIFICATION.*—*The Secretary*
9 *shall utilize the expertise of United States land-grant*
10 *and similar universities, international organizations*
11 *working in agricultural research and outreach, and*
12 *national agricultural research organizations to help*
13 *identify program candidates for fellowships under*
14 *this section from both the public and private sectors*
15 *of eligible countries.*

16 (e) *USE OF FELLOWSHIPS.*—*Fellowships shall promote*
17 *collaborative programs between agricultural professionals of*
18 *eligible countries with those of the United States and the*
19 *international agricultural research system and, as appro-*
20 *priate, with United States entities conducting research.*
21 *They will be used to support fellowship recipients through*
22 *the Graduate Studies Program in Agriculture established*
23 *under subsection (a)(2)(A).*

24 (f) *PROGRAM IMPLEMENTATION.*—*The Secretary shall*
25 *provide for the management, coordination, evaluation and*

1 *monitoring of the overall Borlaug International Agricul-*
2 *tural Science and Technology Fellowship Program and for*
3 *the individual programs described in subsection (a)(2), ex-*
4 *cept that the Secretary may contract out to one or more*
5 *collaborating universities the management of one or more*
6 *of the fellowship programs.*

7 (g) *AUTHORIZATION OF APPROPRIATIONS.—There are*
8 *authorized to be appropriated without fiscal year limitation*
9 *such sums as may be necessary to carry out the program*
10 *established under this section.*

11 **SEC. 7607. SUPPORT FOR RESEARCH REGARDING DISEASES**
12 **OF WHEAT, TRITICALE, AND BARLEY CAUSED**
13 **BY FUSARIUM GRAMINEARUM OR BY**
14 **TILLETIA INDICA.**

15 *Section 408(e) of the Agricultural Research, Extension,*
16 *and Education Reform Act of 1998 (7 U.S.C. 7628(e)) is*
17 *amended by striking “2007” and inserting “2012”.*

18 **SEC. 7608. COST RECOVERY.**

19 *Section 1473A of the National Agricultural Research,*
20 *Extension, and Teaching Policy Act of 1977 (7 U.S.C.*
21 *3319a) is amended by striking “not exceeding 10 percent*
22 *of the direct cost” and inserting “not exceeding 19 percent*
23 *of the direct cost”.*

1 **SEC. 7609. ORGANIC FOOD AND AGRICULTURAL SYSTEMS**2 **FUNDING.**

3 *It is the sense of Congress that the Secretary of Agri-*
 4 *culture should use a share of Agricultural Research Serv-*
 5 *ice's total annual funding for research specific to organic*
 6 *food and agricultural systems that is at least commensurate*
 7 *with the organic sector's market, in order to facilitate the*
 8 *development of this growing sector. A portion of these*
 9 *funds should be used to disseminate research results through*
 10 *the National Agriculture Library's Alternative Farming*
 11 *Systems Information Center.*

12 **TITLE VIII—FORESTRY***Subtitle A—Cooperative Forestry Assistance Act of 1978**Sec. 8001. National priorities for private forest conservation.**Sec. 8002. Long-term, State-wide assessments and strategies for forest resources.**Sec. 8003. Assistance to the Federated States of Micronesia, the Republic of the
Marshall Islands, and the Republic of Palau.**Sec. 8004. Changes to Forest Resource Coordinating Committee.**Sec. 8005. Changes to State Forest Stewardship Coordinating Committees.**Sec. 8006. Competition in programs under Cooperative Forestry Assistance Act of
1978.**Sec. 8007. Cooperative forest innovation partnership projects.**Subtitle B—Amendments to Other Laws**Sec. 8101. Healthy forest reserve program.**Sec. 8102. Emergency forest restoration program.**Sec. 8103. Office of International Forestry.**Sec. 8104. Rural revitalization technologies.**Subtitle C—Miscellaneous Provisions**Sec. 8201. Hispanic-serving institution agricultural land national resources lead-
ership program.*