

TITLE VII—RESEARCH AND RELATED MATTERS

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Act of 1977

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1 **TITLE VII—RESEARCH AND**
 2 **RELATED MATTERS**
 3 **Subtitle A—National Agricultural**
 4 **Research, Extension, and Teach-**
 5 **ing Policy Act of 1977**

6 **SEC. 7001. DEFINITIONS.**

7 Section 1404 of the National Agricultural Research,
 8 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
 9 3103) is amended—

10 (1) in paragraph (4)—

11 (A) by redesignating subparagraphs (A)
 12 through (E) as clauses (i) through (v), respec-
 13 tively;

1 (B) by striking “(4) The terms” and in-
2 serting the following:

3 “(4) COLLEGE AND UNIVERSITY.—

4 “(A) IN GENERAL.—The terms”; and

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

6 “(B) INCLUSIONS.—The terms ‘college’
7 and ‘university’ include a research foundation
8 maintained by a college or university described
9 in subparagraph (A).”;

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

15 (3) by inserting after paragraph (9) (as redesign-
16 dated by paragraph (2)) the following:

17 “(10) HISPANIC-SERVING AGRICULTURAL COL-
18 LEGES AND UNIVERSITIES.—The term ‘Hispanic-
19 serving agricultural colleges and universities’ means
20 a college or university that—

21 “(A) qualifies as a Hispanic-serving insti-
22 tution; and

23 “(B) offers associate, bachelor’s, or other
24 accredited degree programs in agriculture-re-
25 lated fields.”; and

1 (4) by striking paragraph (11) (as so redesignig-
2 nated) and inserting the following:

3 “(11) HISPANIC-SERVING INSTITUTION.—The
4 term ‘Hispanic-serving institution’ has the meaning
5 given the term in section 502(a) of the Higher Edu-
6 cation Act of 1965 (20 U.S.C. 1101a(a)).”.

7 **SEC. 7002. NATIONAL AGRICULTURAL RESEARCH, EXTEN-**
8 **SION, EDUCATION, AND ECONOMICS ADVI-**
9 **SORY BOARD.**

10 Section 1408(h) of the National Agricultural Re-
11 search, Extension, and Teaching Policy Act of 1977 (7
12 U.S.C. 3123(h)) is amended by striking “2007” and in-
13 serting “2012”.

14 **SEC. 7003. VETERINARY MEDICINE LOAN REPAYMENT.**

15 Section 1415A of the National Agricultural Research,
16 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
17 3151a) is amended—

18 (1) by redesignating subsection (d) as sub-
19 section (e); and

20 (2) by inserting after subsection (e) the fol-
21 lowing:

22 “(d) REGULATIONS.—Not later than 270 days after
23 the date of enactment of this subsection, the Secretary
24 shall promulgate regulations to carry out this section.”.

1 **SEC. 7004. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT**
2 **OF COLUMBIA FOR GRANTS AND FELLOW-**
3 **SHIPS FOR FOOD AND AGRICULTURAL**
4 **SCIENCES EDUCATION.**

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

8 (1) in the matter preceding paragraph (1) of
9 subsection (b), by inserting “(including the Univer-
10 sity of the District of Columbia)” after “land-grant
11 colleges and universities”; and

12 (2) in subsection (d)(2), by inserting “(includ-
13 ing the University of the District of Columbia)”
14 after “universities”.

15 **SEC. 7005. GRANTS TO 1890 INSTITUTIONS TO EXPAND EX-**
16 **TENSION CAPACITY.**

17 Section 1417(b)(4) of the National Agricultural Re-
18 search, Extension, and Teaching Policy Act of 1977 (7
19 U.S.C. 3152(b)(4)) is amended by striking “teaching and
20 research” and inserting “teaching, research, and exten-
21 sion”.

22 **SEC. 7006. EXPANSION OF FOOD AND AGRICULTURAL**
23 **SCIENCES AWARDS.**

24 Section 1417(i) of the National Agricultural Re-
25 search, Extension, and Teaching Policy Act of 1977 (7
26 U.S.C. 3152(i)) is amended—

1 (1) in the subsection heading, by striking
2 “TEACHING AWARDS ” and “TEACHING, EXTEN-
3 SION, AND RESEARCH AWARDS”; and

4 (2) by striking paragraph (1) and inserting the
5 following:

6 “(1) ESTABLISHMENT.—

7 “(A) IN GENERAL.—The Secretary shall
8 establish a National Food and Agricultural
9 Sciences Teaching, Extension, and Research
10 Awards program to recognize and promote ex-
11 cellence in teaching, extension, and research in
12 the food and agricultural sciences at a college
13 or university.

14 “(B) MINIMUM REQUIREMENT.—The Sec-
15 retary shall make at least 1 cash award in each
16 fiscal year to a nominee selected by the Sec-
17 retary for excellence in each of the areas of
18 teaching, extension, and research of food and
19 agricultural science at a college or university.”.

20 **SEC. 7007. GRANTS AND FELLOWSHIPS FOR FOOD AND AG-**
21 **RICULTURAL SCIENCES EDUCATION.**

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

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

6 (2) in paragraph (3)—

7 (A) in the matter preceding subparagraph
8 (A), by striking “and institutions of higher edu-
9 cation that award an associate’s degree” and
10 inserting “, institutions of higher education
11 that award an associate’s degree, other institu-
12 tions of higher education, and nonprofit organi-
13 zations”;

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

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

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

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

21 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
22 1417(l) of the National Agricultural Research, Extension,
23 and Teaching Policy Act of 1977 (7 U.S.C. 3152(l)) is
24 amended by striking “2007” and inserting “2012”.

1 (c) REPORT.—Section 1417 of the National Agricul-
2 tural Research, Extension and Teaching Policy Act of
3 1977 (7 U.S.C. 3152) is amended—

4 (1) by redesignating subsection (l) as subsection
5 (m); and

6 (2) by inserting after subsection (k) the fol-
7 lowing:

8 “(l) REPORT.—The Secretary shall submit an annual
9 report to the Committee on Agriculture of the House of
10 Representatives and the Committee on Agriculture, Nutri-
11 tion, and Forestry of the Senate describing the distribu-
12 tion of funds used to implement teaching programs under
13 subsection (j).”.

14 **SEC. 7008. GRANTS FOR RESEARCH ON PRODUCTION AND**
15 **MARKETING OF ALCOHOLS AND INDUSTRIAL**
16 **HYDROCARBONS FROM AGRICULTURAL COM-**
17 **MODITIES AND FOREST PRODUCTS.**

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

22 **SEC. 7009. POLICY RESEARCH CENTERS.**

23 Section 1419A of the National Agricultural Research,
24 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
25 3155) is amended—

1 (1) in subsection (b), by inserting “(including
2 the Food Agricultural Policy Research Institute, the
3 Agricultural and Food Policy Center, the Rural Pol-
4 icy Research Institute, and the Community Vitality
5 Center)” after “research institutions and organiza-
6 tions”; and

7 (2) in subsection (d), by striking “2007” and
8 inserting “2012”.

9 **SEC. 7010. HUMAN NUTRITION INTERVENTION AND**
10 **HEALTH PROMOTION RESEARCH PROGRAM.**

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

15 **SEC. 7011. PILOT RESEARCH PROGRAM TO COMBINE MED-**
16 **ICAL AND AGRICULTURAL RESEARCH.**

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

21 **SEC. 7012. NUTRITION EDUCATION PROGRAM.**

22 (a) DEFINITIONS.—Section 1425 of the National Ag-
23 ricultural Research, Extension, and Teaching Policy Act
24 of 1977 (7 U.S.C. 3175) is amended—

1 (1) by redesignating subsections (a) through (c)
2 as subsections (b) through (d), respectively;

3 (2) by striking the section heading and “SEC.
4 1425.” and inserting the following:

5 **“SEC. 1425. NUTRITION EDUCATION PROGRAM.**

6 “(a) DEFINITIONS.—In this section, the terms ‘1862
7 Institution’ and ‘1890 Institution’ have the meaning given
8 those terms in section 2 of the Agricultural Research, Ex-
9 tension, and Education Reform Act of 1998 (7 U.S.C.
10 7601).”;

11 (3) in subsection (b) (as redesignated by para-
12 graph (1)), by striking “The Secretary” and insert-
13 ing the following:

14 “(b) ESTABLISHMENT.—The Secretary”; and

15 (4) in subsection (c) (as so redesignated), by
16 striking “In order to enable” and inserting the fol-
17 lowing:

18 “(c) EMPLOYMENT AND TRAINING.—To enable”.

19 (b) FUNDING TO 1862, 1890, AND INSULAR AREA
20 INSTITUTIONS.—Subsection (d) of section 1425 of the Na-
21 tional Agricultural Research, Extension, and Teaching
22 Policy Act of 1977 (7 U.S.C. 3175) (as redesignated by
23 subsection (a)(1)) is amended—

24 (1) in the matter preceding paragraph (1), by
25 striking “Beginning” and inserting the following:

1 “(d) ALLOCATION OF FUNDING.—Beginning”; and
2 (2) in paragraph (2), by striking subparagraph
3 (B) and inserting the following:

4 “(B) Notwithstanding section 3(d)(2) of
5 the Act of May 8, 1914 (7 U.S.C. 343(d)(2)),
6 the remainder shall be allocated among the
7 States as follows:

8 “(i) \$100,000 shall be distributed to
9 each 1862 and 1890 land-grant college and
10 university.

11 “(ii)(I) Subject to subclause (II), of
12 the remainder, 10 percent for fiscal year
13 2008, 11 percent for fiscal year 2009, 12
14 percent for fiscal year 2010, 13 percent for
15 fiscal year 2011, 14 percent for fiscal year
16 2012, and 15 percent for each fiscal year
17 thereafter, shall be distributed among the
18 1890 Institutions, to be allocated to each
19 1890 Institution in an amount that bears
20 the same ratio to the total amount to be
21 allocated under this clause as—

22 “(aa) the population living at or
23 below 125 percent of the income pov-
24 erty guidelines (as prescribed by the
25 Office of Management and Budget

1 and as adjusted pursuant to section
2 673(2) of the Community Services
3 Block Grant Act (42 U.S.C. 9902(2))
4 in the State in which the 1890 Insti-
5 tution is located; bears to

6 “(bb) the total population living
7 at or below 125 percent of the income
8 poverty guidelines in all States that
9 have 1890 Institutions, as determined
10 by the last preceding decennial census
11 at the time each such additional
12 amount is first appropriated.

13 “(II) The total amount allocated
14 under this clause shall not exceed the
15 amount of the funds appropriated for the
16 conduct of the expanded food and nutrition
17 education program for the fiscal year that
18 are in excess of the amount appropriated
19 for the conduct of the program for fiscal
20 year 2007.

21 “(iii)(I) Subject to subclauses (II) and
22 (III), the remainder shall be allocated to
23 the 1860 institution in each State (includ-
24 ing the appropriate insular area institution
25 and the University of the District of Co-

1 lumbia) in an amount that bears the same
2 ratio to the total amount to be allocated
3 under this subparagraph as—

4 “(aa) the population of the State
5 living at or below 125 percent of the
6 income poverty guidelines prescribed
7 by the Office of Management and
8 Budget (adjusted pursuant to section
9 673(2) of the Omnibus Budget Rec-
10 onciliation Act of 1981 (42 U.S.C.
11 9902(2))); bears to

12 “(bb) the total population of all
13 the States living at or below 125 per-
14 cent of the income poverty guidelines,
15 as determined by the last preceding
16 decennial census at the time each
17 such additional amount is first appro-
18 priated.

19 “(II) The total amount allocated
20 under this clause to the University of the
21 District of Columbia shall not exceed the
22 amount described in clause (ii)(II), reduced
23 by the amount allocated to the University
24 of the District of Columbia under clause
25 (ii).

1 “(III) Nothing in this clause pre-
2 cludes the Secretary from developing edu-
3 cational materials and programs for per-
4 sons in income ranges above the level des-
5 ignated in this clause.”.

6 (c) AUTHORIZATION OF APPROPRIATIONS.—Sub-
7 section (d)(3) of section 1425 of the National Agricultural
8 Research, Extension, and Teaching Policy Act of 1977 (7
9 U.S.C. 3175) (as redesignated by subsection (a)(1)) is
10 amended—

11 (1) by striking “There is” and inserting the fol-
12 lowing:

13 “(3) AUTHORIZATION OF APPROPRIATIONS.—
14 There is”; and

15 (2) by striking “\$83,000,000 for each of fiscal
16 years 1996 through 2007” and inserting
17 “\$90,000,000 for each of fiscal years 2008 through
18 2012”.

19 (d) CONFORMING AMENDMENT.—Section 1588(b) of
20 the Food Security Act of 1985 (7 U.S.C. 3175e(b)) is
21 amended by striking “section 1425(c)(2)” and inserting
22 “section 1425(d)(2)”.

23 (e) EFFECTIVE DATE.—The amendments made by
24 this section take effect on October 1, 2007.

1 **SEC. 7013. CONTINUING ANIMAL HEALTH AND DISEASE RE-**
2 **SEARCH PROGRAMS.**

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

7 **SEC. 7014. APPROPRIATIONS FOR RESEARCH ON NATIONAL**
8 **OR REGIONAL PROBLEMS.**

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

13 **SEC. 7015. ANIMAL HEALTH AND DISEASE RESEARCH PRO-**
14 **GRAM.**

15 Section 1434(b) of the National Agricultural Re-
16 search, Extension, and Teaching Policy Act of 1977 (7
17 U.S.C. 3196(b)) is amended by inserting after “univer-
18 sities” the following: “(including 1890 Institutions (as de-
19 fined in section 2 of the Agricultural Research, Extension,
20 and Education Reform Act of 1998 (7 U.S.C. 7601)))”.

21 **SEC. 7016. AUTHORIZATION LEVEL FOR EXTENSION AT 1890**
22 **LAND-GRANT COLLEGES.**

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

1 **SEC. 7017. AUTHORIZATION LEVEL FOR AGRICULTURAL RE-**
2 **SEARCH AT 1890 LAND-GRANT COLLEGES.**

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

7 **SEC. 7018. GRANTS TO UPGRADE AGRICULTURAL AND**
8 **FOOD SCIENCES FACILITIES AT 1890 LAND-**
9 **GRANT COLLEGES, INCLUDING TUSKEGEE**
10 **UNIVERSITY.**

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

15 **SEC. 7019. GRANTS TO UPGRADE AGRICULTURE AND FOOD**
16 **SCIENCES FACILITIES AT THE DISTRICT OF**
17 **COLUMBIA LAND GRANT UNIVERSITY.**

18 The National Agricultural Research, Extension, and
19 Teaching Policy Act of 1977 is amended by inserting after
20 section 1447 (7 U.S.C. 3222b) the following:

21 **“SEC. 1447A. GRANTS TO UPGRADE AGRICULTURE AND**
22 **FOOD SCIENCES FACILITIES AT THE DIS-**
23 **TRICT OF COLUMBIA LAND GRANT UNIVER-**
24 **SITY.**

25 “(a) PURPOSE.—It is the intent of Congress to assist
26 the land grant university in the District of Columbia es-

1 tablished under section 208 of the District of Columbia
2 Public Postsecondary Education Reorganization Act (Pub-
3 lic Law 93–471; 88 Stat. 1428) in efforts to acquire, alter,
4 or repair facilities or relevant equipment necessary for
5 conducting agricultural research.

6 “(b) AUTHORIZATION OF APPROPRIATIONS.—There
7 are authorized to be appropriated to carry out this section
8 \$750,000 for each of fiscal years 2008 through 2012.”.

9 **SEC. 7020. NATIONAL RESEARCH AND TRAINING VIRTUAL**
10 **CENTERS.**

11 Section 1448 of the National Agricultural Research,
12 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
13 3222c) is amended by striking “2007” each place it ap-
14 pears in subsections (a)(1) and (f) and inserting “2012”.

15 **SEC. 7021. MATCHING FUNDS REQUIREMENT FOR RE-**
16 **SEARCH AND EXTENSION ACTIVITIES OF 1890**
17 **INSTITUTIONS.**

18 Section 1449(c) of the National Agricultural Re-
19 search, Extension, and Teaching Policy Act of 1977 (7
20 U.S.C. 3222d(c)) is amended in the first sentence by strik-
21 ing “2007” and inserting “2012.”.

22 **SEC. 7022. HISPANIC-SERVING INSTITUTIONS.**

23 Section 1455 of the National Agricultural Research,
24 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
25 3241) is amended—

1 (1) in subsection (a) by striking “(or grants
2 without regard to any requirement for competi-
3 tion)”;

4 (2) in subsection (b)—

5 (A) in paragraph (1), by striking “of con-
6 sortia”;

7 (B) in paragraph (3), by striking “, begin-
8 ning with the mentoring of students” and all
9 that follows through “doctoral degree”; and

10 (C) in paragraph (4)—

11 (i) by striking “2 or more”; and

12 (ii) by striking “, or between His-
13 panic-serving” and all that follows through
14 “the private sector,”; and

15 (3) in subsection (c)—

16 (A) by striking “\$20,000,000” and insert-
17 ing “\$40,000,000”; and

18 (B) by striking “2007” and inserting
19 “2012”.

20 **SEC. 7023. HISPANIC-SERVING AGRICULTURAL COLLEGES**
21 **AND UNIVERSITIES.**

22 (a) IN GENERAL.—The National Agricultural Re-
23 search, Extension and Teaching Policy Act of 1977 is
24 amended by inserting after section 1455 (7 U.S.C. 3241)
25 the following:

1 **“SEC. 1456. HISPANIC-SERVING AGRICULTURAL COLLEGES**
2 **AND UNIVERSITIES.**

3 “(a) DEFINITION OF ENDOWMENT FUND.—In this
4 section, the term ‘endowment fund’ means the Hispanic-
5 Serving Agricultural Colleges and Universities Fund es-
6 tablished under subsection (b).

7 “(b) ENDOWMENT.—

8 “(1) IN GENERAL.—The Secretary of the
9 Treasury shall establish in accordance with this sub-
10 section a Hispanic-Serving Agricultural Colleges and
11 Universities Fund.

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

15 “(3) DEPOSIT TO THE ENDOWMENT FUND.—
16 The Secretary of the Treasury shall deposit in the
17 endowment fund any—

18 “(A) amounts made available through Acts
19 of appropriations, which shall be the endow-
20 ment fund corpus; and

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

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

1 “(5) WITHDRAWALS AND EXPENDITURES.—

2 “(A) CORPUS.—The Secretary of the
3 Treasury may not make a withdrawal or ex-
4 penditure from the endowment fund corpus.

5 “(B) WITHDRAWALS.—On September 30,
6 2008, and each September 30 thereafter, the
7 Secretary of the Treasury shall withdraw the
8 amount of the income from the endowment
9 fund for the fiscal year and warrant the funds
10 to the Secretary of Agriculture who, after mak-
11 ing adjustments for the cost of administering
12 the endowment fund, shall distribute the ad-
13 justed income as follows:

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

19 “(ii) 40 percent shall be distributed in
20 equal shares to the Hispanic-serving agri-
21 cultural colleges and universities.

22 “(6) ENDOWMENTS.—Amounts made available
23 under this subsection shall be held and considered to
24 be granted to Hispanic-serving agricultural colleges

1 and universities to establish an endowment in ac-
2 cordance with this subsection.

3 “(7) AUTHORIZATION OF APPROPRIATIONS.—

4 There are authorized to be appropriated to the Sec-
5 retary such sums as are necessary to carry out this
6 subsection for fiscal year 2008 and each fiscal year
7 thereafter.

8 “(c) AUTHORIZATION FOR ANNUAL PAYMENTS.—

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

14 “(A) \$80,000; by

15 “(B) the number of Hispanic-serving agri-
16 cultural colleges and universities.

17 “(2) PAYMENTS.—For fiscal year 2008 and
18 each fiscal year thereafter, the Secretary of the
19 Treasury shall pay to the treasurer of each His-
20 panic-Serving agricultural college and university an
21 amount equal to—

22 “(A) the total amount made available by
23 appropriations under subparagraph (A); divided
24 by

1 “(B) the number of Hispanic-serving agri-
2 cultural colleges and universities.

3 “(3) USE OF FUNDS.—

4 “(A) IN GENERAL.—Amounts authorized
5 to be appropriated under this subsection shall
6 be used in the same manner as is prescribed for
7 colleges under the Act of August 30, 1890
8 (commonly known as the ‘Second Morrill Act’)
9 (7 U.S.C. 321 et seq.).

10 “(B) RELATIONSHIP TO OTHER LAW.—Ex-
11 cept as otherwise provided in this subsection,
12 the requirements of that Act shall apply to His-
13 panic-serving agricultural colleges and univer-
14 sities under this section.

15 “(d) INSTITUTIONAL CAPACITY-BUILDING
16 GRANTS.—

17 “(1) IN GENERAL.—For fiscal year 2008 and
18 each fiscal year thereafter, the Secretary shall make
19 grants to assist Hispanic-serving agricultural col-
20 leges and universities in institutional capacity build-
21 ing (not including alteration, repair, renovation, or
22 construction of buildings).

23 “(2) CRITERIA FOR INSTITUTIONAL CAPACITY-
24 BUILDING GRANTS.—

1 “(A) REQUIREMENTS FOR GRANTS.—The
2 Secretary shall make grants under this sub-
3 section on the basis of a competitive application
4 process under which Hispanic-serving agricul-
5 tural colleges and universities may submit ap-
6 plications to the Secretary at such time, in such
7 manner, and containing such information as the
8 Secretary may require.

9 “(B) DEMONSTRATION OF NEED.—

10 “(i) IN GENERAL.—As part of an ap-
11 plication for a grant under this subsection,
12 the Secretary shall require the applicant to
13 demonstrate need for the grant, as deter-
14 mined by the Secretary.

15 “(ii) OTHER SOURCES OF FUNDING.—
16 The Secretary may award a grant under
17 this subsection only to an applicant that
18 demonstrates a failure to obtain funding
19 for a project after making a reasonable ef-
20 fort to otherwise obtain the funding.

21 “(C) PAYMENT OF NON-FEDERAL
22 SHARE.—A grant awarded under this sub-
23 section shall be made only if the recipient of the
24 grant pays a non-Federal share in an amount

1 that is specified by the Secretary and based on
2 assessed institutional needs.

3 “(3) AUTHORIZATION OF APPROPRIATIONS.—

4 There are authorized to be appropriated to the Sec-
5 retary such sums as are necessary to carry out this
6 subsection for fiscal year 2008 and each fiscal year
7 thereafter.

8 “(e) COMPETITIVE GRANTS PROGRAM.—

9 “(1) IN GENERAL.—The Secretary shall estab-
10 lish a competitive grants program to fund funda-
11 mental and applied research at Hispanic-serving ag-
12 ricultural colleges and universities in agriculture,
13 human nutrition, food science, bioenergy, and envi-
14 ronmental science.

15 “(2) AUTHORIZATION OF APPROPRIATIONS.—

16 There are authorized to be appropriated to the Sec-
17 retary such sums as are necessary to carry out this
18 subsection for fiscal year 2008 and each fiscal year
19 thereafter.”.

20 (b) EXTENSION.—Section 3 of the Smith-Lever Act
21 (7 U.S.C. 343) is amended—

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

1 “(4) ANNUAL APPROPRIATION FOR HISPANIC-
2 SERVING AGRICULTURAL COLLEGES AND UNIVER-
3 SITIES.—

4 “(A) AUTHORIZATION OF APPROPRIA-
5 TIONS.—There are authorized to be appro-
6 priated to the Secretary such sums as are nec-
7 essary to carry out this paragraph for fiscal
8 year 2008 and each fiscal year thereafter.

9 “(B) ADDITIONAL AMOUNT.—Amounts
10 made available under this paragraph shall be in
11 addition to any other amounts made available
12 under this section to States, the Commonwealth
13 of Puerto Rico, or any other territory or posses-
14 sion of the United States.

15 “(C) ADMINISTRATION.—Amounts made
16 available under this paragraph shall be—

17 “(i) distributed on the basis of a com-
18 petitive application process to be developed
19 and implemented by the Secretary and
20 paid by the Secretary to the State institu-
21 tions established in accordance with the
22 Act of July 2, 1862 (commonly known as
23 the ‘First Morrill Act’) (7 U.S.C. 301 et
24 seq.); and

1 “(ii) administered by State institu-
2 tions through cooperative agreements with
3 the Hispanic-serving agricultural colleges
4 and universities (as defined in section
5 1456 of the National Agricultural Re-
6 search, Extension and Teaching Policy Act
7 of 1977) in the State in accordance with
8 regulations promulgated by the Sec-
9 retary.”; and

10 (2) in subsection (f)—

11 (A) in the subsection heading, by inserting
12 “AND HISPANIC-SERVING AGRICULTURAL COL-
13 LEGES AND UNIVERSITIES” after “1994 INSTI-
14 TUTIONS”; and

15 (B) by striking “pursuant to subsection
16 (b)(3)” and inserting “or Hispanic-serving agri-
17 cultural colleges and universities in accordance
18 with paragraphs (3) and (4) of subsection (b)”.

19 **SEC. 7024. INTERNATIONAL AGRICULTURAL RESEARCH, EX-**
20 **TENSION, AND EDUCATION.**

21 Section 1458(a) of the National Agricultural Re-
22 search, Extension, and Teaching Policy Act of 1977 (7
23 U.S.C. 3291(a)) is amended—

24 (1) in paragraph (1)—

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

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

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

6 “(C) giving priority to those institutions
7 with existing memoranda of understanding,
8 agreements, or other formal ties to United
9 States institutions, or Federal or State agen-
10 cies;”;

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

14 (3) in paragraph (7)(A), by striking “and land-
15 grant colleges and universities” and inserting “,
16 land-grant colleges and universities, and Hispanic-
17 serving agricultural colleges and universities”;

18 (4) in paragraph (9)—

19 (A) in subparagraph (A), by striking “or
20 other colleges and universities” and inserting “,
21 Hispanic-serving agricultural colleges and uni-
22 versities, or other colleges and universities”;
23 and

24 (B) in subparagraph (D), by striking
25 “and” at the end;

1 (5) in paragraph (10), by striking the period at
2 the end and inserting “; and”; and

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

4 “(11) establish a program for the purpose of
5 providing fellowships to United States or foreign
6 students to study at foreign agricultural colleges and
7 universities working under agreements provided for
8 under paragraph (3).”.

9 **SEC. 7025. COMPETITIVE GRANTS FOR INTERNATIONAL AG-**
10 **RICULTURAL SCIENCE AND EDUCATION PRO-**
11 **GRAMS.**

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

16 **SEC. 7026. INDIRECT COSTS.**

17 Section 1462(a) of the National Agricultural Re-
18 search, Extension, and Teaching Policy Act of 1977 (7
19 U.S.C. 3310(a)) is amended by striking “shall not exceed
20 19 percent” and inserting “shall be the negotiated indirect
21 rate of cost established for an institution by the appro-
22 priate Federal audit agency for the institution, not to ex-
23 ceed 30 percent”.

1 **SEC. 7027. RESEARCH EQUIPMENT GRANTS.**

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

6 **SEC. 7028. UNIVERSITY RESEARCH.**

7 Section 1463 of the National Agricultural Research,
8 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
9 3311) is amended by striking “2007” each place it ap-
10 pears in subsections (a) and (b) and inserting “2012”.

11 **SEC. 7029. EXTENSION SERVICE.**

12 Section 1464 of the National Agricultural Research,
13 Extension, and Teaching Policy Act of 1977 (7 U.S.C.
14 3312) is amended by striking “2007” and inserting
15 “2012”.

16 **SEC. 7030. SUPPLEMENTAL AND ALTERNATIVE CROPS.**

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

21 **SEC. 7031. AQUACULTURE RESEARCH FACILITIES.**

22 (a) FISH DISEASE PROGRAM.—Section 1475(f) of
23 the National Agricultural Research, Extension, and
24 Teaching Policy Act of 1977 (7 U.S.C. 3322(f)) is amend-
25 ed—

1 (1) by striking “The Secretary” and inserting
2 the following:

3 “(1) IN GENERAL.—The Secretary”; and

4 (2) by adding at the end the following:

5 “(2) VIRAL HEMORRHAGIC SEPTICEMIA.—

6 “(A) IN GENERAL.—The study of viral
7 hemorrhagic septicemia (referred to in this
8 paragraph as ‘VHS’) and VHS management
9 shall be considered an area of priority research
10 under this subsection.

11 “(B) CONSULTATION.—

12 “(i) IN GENERAL.—The Secretary
13 shall consult with appropriate directors of
14 State natural resource management and
15 agriculture agencies in areas that are VHS
16 positive as of the date of enactment of this
17 paragraph to develop and implement a
18 comprehensive set of priorities for man-
19 aging VHS, including providing funds for
20 research into the spread and control of the
21 disease, surveillance, monitoring, risk eval-
22 uation, enforcement, screening, education
23 and outreach, and management.

24 “(ii) CONSIDERATION.—The Secretary
25 shall provide special consideration to the

1 recommendations of the directors described
2 in clause (i) in the development of the
3 VHS priorities.”.

4 (b) **AUTHORIZATION OF APPROPRIATIONS.**—Section
5 1477 of the National Agricultural Research, Extension,
6 and Teaching Policy Act of 1977 (7 U.S.C. 3324) is
7 amended by striking “2007” and inserting “2012”.

8 **SEC. 7032. RANGELAND RESEARCH.**

9 (a) **GRANTS.**—Section 1480(a) of the National Agri-
10 cultural Research, Extension, and Teaching Policy Act of
11 1977 (7 U.S.C. 3333(a)) is amended—

12 (1) in paragraph (1), by striking “; and” and
13 inserting a semicolon;

14 (2) in paragraph (2), by striking the period at
15 the end and inserting “; and”; and

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

17 “(3) pilot programs to coordinate and conduct
18 collaborative projects to address natural resources
19 management issues and facilitate the collection of in-
20 formation and analysis to provide Federal and State
21 agencies, private landowners, and the public with in-
22 formation to allow for improved management of pub-
23 lic and private rangeland.”.

24 (b) **MATCHING REQUIREMENTS.**—Section 1480(b)(2)
25 of the National Agricultural Research, Extension, and

1 Teaching Policy Act of 1977 (7 U.S.C. 3333(b)(2)) is
2 amended by striking “subsection (a)(2)” and inserting
3 “paragraph (2) or (3) of subsection (a)”.

4 (c) AUTHORIZATION OF APPROPRIATIONS.—Section
5 1483(a) of the National Agricultural Research, Extension,
6 and Teaching Policy Act of 1977 (7 U.S.C. 3336(a)) is
7 amended by striking “2007” and inserting “2012”.

8 **SEC. 7033. SPECIAL AUTHORIZATION FOR BIOSECURITY**
9 **PLANNING AND RESPONSE.**

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

14 **SEC. 7034. RESIDENT INSTRUCTION AND DISTANCE EDU-**
15 **CATION GRANTS PROGRAM FOR INSULAR**
16 **AREA INSTITUTIONS OF HIGHER EDUCATION.**

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

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

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

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

5 **SEC. 7035. FARM MANAGEMENT TRAINING AND PUBLIC**
6 **FARM BENCHMARKING DATABASE.**

7 Subtitle K of the National Agricultural Research, Ex-
8 tension, and Teaching Policy Act of 1977 is amended by
9 inserting after section 1467 (7 U.S.C. 3313) the following:

10 **“SEC. 1468. FARM MANAGEMENT TRAINING AND PUBLIC**
11 **FARM BENCHMARKING DATABASE.**

12 “(a) DEFINITIONS.—In this section:

13 “(1) BENCHMARK, BENCHMARKING.—The term
14 ‘benchmark’ or ‘benchmarking’ means the process of
15 comparing the performance of an agricultural enter-
16 prise against the performance of other similar enter-
17 prises, through the use of comparable and reliable
18 data, in order to identify business management
19 strengths, weaknesses, and steps necessary to im-
20 prove management performance and business profit-
21 ability.

22 “(2) FARM MANAGEMENT ASSOCIATION.—The
23 term ‘farm management association’ means a public
24 or nonprofit organization or educational program—

1 “(A) the purpose of which is to assist
2 farmers, ranchers, and other agricultural opera-
3 tors to improve financial management and busi-
4 ness profitability by providing training on farm
5 financial planning and analysis, record keeping,
6 and other farm management topics; and

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

10 “(3) NATIONAL FARM MANAGEMENT CEN-
11 TER.—The term ‘National Farm Management Cen-
12 ter’ means a land-grant college or university that, as
13 determined by the Secretary—

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

18 “(B) has maintained and continues to
19 maintain farm financial analysis software appli-
20 cable to the production and management of a
21 wide range of crop and livestock agricultural
22 commodities (including some organic commod-
23 ities);

24 “(C) has established procedures that en-
25 able producers—

1 “(i) to benchmark the farms of the
2 producers against peer groups; and

3 “(ii) to query the benchmarking data-
4 base by location, farm type, farm size, and
5 commodity at the overall business and indi-
6 vidual enterprise levels; and

7 “(D) has provided and continues to provide
8 public online access to farm and ranch financial
9 benchmarking databases.

10 “(b) ESTABLISHMENT.—

11 “(1) IN GENERAL.—The Secretary shall estab-
12 lish a National Farm Management Center to im-
13 prove the farm management knowledge and skills of
14 individuals directly involved in production agri-
15 culture through—

16 “(A) participation in a farm management
17 education and training program; and

18 “(B) direct access to a public farm
19 benchmarking database.

20 “(2) PROPOSALS.—The Secretary shall request
21 proposals from appropriate land-grant colleges and
22 universities for the establishment of a National
23 Farm Management Center in accordance with this
24 section.

1 “(3) REQUIREMENTS.—The National Farm
2 Management Center established under paragraph (1)
3 shall—

4 “(A) coordinate standardized financial
5 analysis methodologies for use by farmers,
6 ranchers, other agricultural operators, and farm
7 management associations;

8 “(B) provide the software tools necessary
9 for farm management associations, farmers,
10 ranchers, and other agricultural operators to
11 perform the necessary financial analyses, in-
12 cluding the benchmarking of individual enter-
13 prises; and

14 “(C) develop and maintain a national farm
15 financial database to facilitate those financial
16 analyses and benchmarking that is available on-
17 line to farmers, ranchers, other agricultural op-
18 erators, farm management associations, and the
19 public.

20 “(c) ADMINISTRATIVE EXPENSES.—Not more than 8
21 percent of the funds made available to carry out this sec-
22 tion may be used for the payment of administrative ex-
23 penses of the Department of Agriculture in carrying out
24 this section.

1 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
2 are authorized to be appropriated such sums as are nec-
3 essary to carry out this section.”.

4 **SEC. 7036. TROPICAL AND SUBTROPICAL AGRICULTURAL**
5 **RESEARCH.**

6 Subtitle K of the National Agricultural Research, Ex-
7 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
8 et seq.) is amended by adding at the end the following:

9 **“SEC. 1473E. TROPICAL AND SUBTROPICAL AGRICULTURAL**
10 **RESEARCH.**

11 “(a) DEFINITION OF CARIBBEAN AND PACIFIC BA-
12 SINS.—In this section, the term ‘Caribbean and Pacific
13 basins’, means—

14 “(1) the States of Florida and Hawaii;

15 “(2) the Commonwealth of Puerto Rico;

16 “(3) the United States Virgin Islands;

17 “(4) Guam;

18 “(5) American Samoa;

19 “(6) the Commonwealth of the Northern Mar-
20 iana Islands;

21 “(7) the Federated States of Micronesia;

22 “(8) the Republic of the Marshall Islands; and

23 “(9) the Republic of Palau.

24 “(b) ESTABLISHMENT.—The Secretary shall estab-
25 lish a program, to be known as the ‘Tropical and Sub-

1 tropical Agricultural Research Program’, to sustain the
2 agriculture and environment of the Caribbean and Pacific
3 basins, by supporting the full range of research relating
4 to food and agricultural sciences in the Caribbean and Pa-
5 cific basins, with an emphasis on—

6 “(1) pest management;

7 “(2) deterring introduction and establishment
8 of invasive species;

9 “(3) enhancing existing and developing new
10 tropical and subtropical agricultural products; and

11 “(4) expanding value-added agriculture in trop-
12 ical and subtropical ecosystems.

13 “(c) GRANTS.—

14 “(1) IN GENERAL.—In carrying out this sec-
15 tion, the Secretary shall provide grants to be award-
16 ed competitively to support tropical and subtropical
17 agricultural research in the Caribbean and Pacific
18 basins.

19 “(2) ELIGIBLE ENTITIES.—To be eligible to re-
20 ceive a grant, an entity shall be a land-grant college
21 or university, or affiliated with a land-grant college
22 or university, that is located in any region of the
23 Caribbean and Pacific basin.

24 “(3) REQUIREMENTS.—

1 “(A) EQUAL AMOUNTS.—The total amount
2 of grants provided under this subsection shall
3 be equally divided between the Caribbean and
4 Pacific basins, as determined by the Secretary.

5 “(B) RESEARCH INFRASTRUCTURE AND
6 CAPABILITY PRIORITY.—In providing grants
7 under this subsection, the Secretary shall give
8 priority to projects of eligible entities that—

9 “(i) expand the infrastructure and ca-
10 pability of the region of the eligible entity;

11 “(ii) scientifically and culturally ad-
12 dress regional agricultural and environ-
13 mental challenges; and

14 “(iii) sustain agriculture in the region
15 of the eligible entity.

16 “(C) TERM.—The term of a grant pro-
17 vided under this subsection shall not exceed 5
18 years.

19 “(D) PROHIBITIONS.—A grant provided
20 under this subsection shall not be used for the
21 planning, repair, rehabilitation, acquisition, or
22 construction of any building or facility.

23 “(d) FUNDING.—

24 “(1) SET-ASIDE.—Not less than 25 percent of
25 the funds made available to carry out this section

1 during a fiscal year shall be used to support pro-
2 grams and services that—

3 “(A) address the pest management needs
4 of a region in the Caribbean and Pacific basins;
5 or

6 “(B) minimize the impact to a region in
7 the Caribbean and Pacific basins of invasive
8 species.

9 “(2) ADMINISTRATIVE COSTS.—The Secretary
10 shall use not more than 4 percent of the funds made
11 available under subsection (e) for administrative
12 costs incurred by the Secretary in carrying out this
13 section.

14 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
15 are authorized to be appropriated to the Secretary to carry
16 out this section such sums as are necessary for each of
17 fiscal years 2008 through 2012.”.

18 **SEC. 7037. REGIONAL CENTERS OF EXCELLENCE.**

19 Subtitle K of the National Agricultural Research, Ex-
20 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
21 et seq.) (as amended by section 7036) is amended by add-
22 ing at the end the following:

23 **“SEC. 1473F. REGIONAL CENTERS OF EXCELLENCE.**

24 “(a) PURPOSES.—The purposes of this section are—

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

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

6 “(A) be cost effective by reducing duplica-
7 tive efforts regarding research, teaching, and
8 extension;

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

13 “(C) increase the economic returns to agri-
14 cultural commodity industries by identifying,
15 attracting, and directing funds to high-priority
16 industry issues; and

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

21 “(b) DEFINITIONS.—In this section:

22 “(1) AGRICULTURAL COMMODITY.—The term
23 ‘agricultural commodity’ has the meaning given the
24 term in section 513 of the Commodity Promotion,

1 Research, and Information Act of 1996 (7 U.S.C.
2 7412).

3 “(2) LAND-GRANT COLLEGES AND UNIVER-
4 SITIES.—The term ‘land-grant colleges and univer-
5 sities’ means—

6 “(A) 1862 Institutions (as defined in sec-
7 tion 2 of the Agricultural Research, Extension,
8 and Education Reform Act of 1998 (7 U.S.C.
9 7601));

10 “(B) 1890 Institutions (as defined in sec-
11 tion 2 of that Act); and

12 “(C) 1994 Institutions (as defined in sec-
13 tion 2 of that Act).

14 “(c) ESTABLISHMENT.—

15 “(1) ORIGINAL COMPOSITION.—The Secretary
16 shall establish regional centers of excellence for spe-
17 cific agricultural commodities that are each com-
18 prised of—

19 “(A) a lead land-grant college or univer-
20 sity; and

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

24 “(2) BOARD OF DIRECTORS.—Each regional
25 center of excellence shall be administered by a board

1 of directors consisting of 15 members, as determined
2 by the lead and member land-grant colleges and uni-
3 versities of the center.

4 “(3) ADDITIONAL DIRECTORS AND INSTITU-
5 TIONS.—Each board of directors of a regional center
6 of excellence may—

7 “(A) designate additional land-grant col-
8 leges and universities as members of the center;
9 and

10 “(B) designate representatives of the addi-
11 tional land-grant colleges and universities and
12 agriculture industry groups to be additional
13 members of the board of directors.

14 “(d) PROGRAMS.—Each regional center of excellence
15 shall achieve the purposes of this section through—

16 “(1) research initiatives focused on issues per-
17 taining to the specific agricultural commodity;

18 “(2) teaching initiatives at lead and member
19 land-grant colleges and universities to provide inten-
20 sive education relating to the specific agricultural
21 commodity; and

22 “(3) extension initiatives focusing on an inter-
23 net-based information gateway to provide for rel-
24 evant information development, warehousing, and
25 delivery.

1 “(e) FUNDING.—

2 “(1) IN GENERAL.—Each regional center of ex-
3 cellence shall be funded through the use of—

4 “(A) grants made by the Secretary; and

5 “(B) matching funds provided by land-
6 grant colleges and universities and agriculture
7 industry groups.

8 “(2) PROCESS.—The board of directors of each
9 regional center of excellence shall have the responsi-
10 bility for submitting grant proposals to the Sec-
11 retary to carry out the research, education, and ex-
12 tension program activities described in subsection
13 (d).

14 “(3) TERM OF GRANT.—The term of a grant
15 under this subsection may not exceed 5 years.

16 “(f) AUTHORIZATION OF APPROPRIATIONS.—There
17 are authorized to be appropriated to carry out this section
18 such sums as are necessary for each of fiscal years 2008
19 through 2012.”.

20 **SEC. 7038. NATIONAL DROUGHT MITIGATION CENTER.**

21 Subtitle K of the National Agricultural Research, Ex-
22 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
23 et seq.) (as amended by section 7037) is amended by add-
24 ing at the end the following:

1 **“SEC. 1473G. NATIONAL DROUGHT MITIGATION CENTER.**

2 “(a) IN GENERAL.—The Secretary shall offer to
3 enter into an agreement with the National Drought Miti-
4 gation Center, under which the Center shall—

5 “(1) continue to produce the United States
6 Drought Monitor;

7 “(2) maintain a clearinghouse and internet por-
8 tal on drought; and

9 “(3) develop new drought mitigation and pre-
10 paredness strategies, responses, models, and meth-
11 odologies for the agricultural community.

12 “(b) AUTHORIZATION OF APPROPRIATIONS.—There
13 is authorized to be appropriated to carry out this section
14 \$5,000,000 for each fiscal year.”.

15 **SEC. 7039. AGRICULTURAL DEVELOPMENT IN THE AMER-**
16 **ICAN-PACIFIC REGION.**

17 Subtitle K of the National Agricultural Research, Ex-
18 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
19 et seq.) (as amended by section 7038) is amended by add-
20 ing at the end the following:

21 **“SEC. 1473H. AGRICULTURAL DEVELOPMENT IN THE AMER-**
22 **ICAN-PACIFIC REGION.**

23 “(a) DEFINITIONS.—In this section:

24 “(1) AMERICAN-PACIFIC REGION.—The term
25 ‘American-Pacific region’ means the region encom-
26 passing—

- 1 “(A) American Samoa;
- 2 “(B) Guam;
- 3 “(C) the Commonwealth of the Northern
- 4 Mariana Islands;
- 5 “(D) the Federated States of Micronesia;
- 6 “(E) the Republic of the Marshall Islands;
- 7 “(F) the Republic of Palau;
- 8 “(G) the State of Hawaii; and
- 9 “(H) the State of Alaska.

10 “(2) CONSORTIUM.—The term ‘consortium’

11 means a collaborative group that—

12 “(A) is composed of each eligible institu-

13 tion; and

14 “(B) submits to the Secretary an applica-

15 tion for a grant under subsection (b)(2).

16 “(3) ELIGIBLE INSTITUTION.—The term ‘eligi-

17 ble institution’ means a land-grant college or univer-

18 sity that is located in the American-Pacific region.

19 “(b) AGRICULTURAL DEVELOPMENT IN THE AMER-

20 ICAN PACIFIC GRANTS.—

21 “(1) IN GENERAL.—The Secretary may make

22 grants to a consortium of eligible institutions to

23 carry out integrated research, extension, and in-

24 struction programs in support of food and agricul-

25 tural sciences.

1 “(2) APPLICATION.—To receive a grant under
2 paragraph (1), a consortium of eligible institutions
3 shall submit to the Secretary an application that in-
4 cludes—

5 “(A) for each eligible institution, a descrip-
6 tion of each objective, procedure, and proposed
7 use of funds relating to any funds provided by
8 the Secretary to the consortium under para-
9 graph (1); and

10 “(B) the method of allocation proposed by
11 the consortium to distribute to each eligible in-
12 stitution any funds provided by the Secretary to
13 the consortium under paragraph (1).

14 “(3) USE OF FUNDS.—

15 “(A) IN GENERAL.—An eligible institution
16 that receives funds through a grant under para-
17 graph (1) shall use the funds—

18 “(i) to acquire the equipment, instru-
19 mentation, networking capability, hardware
20 and software, digital network technology,
21 and infrastructure required to integrate re-
22 search, extension, and instruction pro-
23 grams in the American-Pacific region;

24 “(ii) to develop and provide support
25 for conducting research, extension, and in-

1 instruction programs in support of food and
2 agricultural sciences relevant to the Amer-
3 ican-Pacific region, with special emphasis
4 on—

5 “(I) the management of pests;
6 and

7 “(II) the control of the spread of
8 invasive alien species; and

9 “(iii) to provide leadership develop-
10 ment to administrators, faculty, and staff
11 of the eligible institution with responsibility
12 for programs relating to agricultural re-
13 search, extension, and instruction.

14 “(B) PROHIBITED USES.—An eligible insti-
15 tution that receives funds through a grant
16 under paragraph (1) may not use the funds for
17 any cost relating to the planning, acquisition,
18 construction, rehabilitation, or repair of any
19 building or facility of the eligible institution.

20 “(4) GRANT TERM.—A grant under paragraph
21 (1) shall have a term of not more than 5 years.

22 “(5) ADMINISTRATION.—

23 “(A) AUTHORITY OF SECRETARY.—The
24 Secretary may carry out this section in a man-

1 ner that recognizes the different needs of, and
2 opportunities for, each eligible institution.

3 “(B) ADMINISTRATIVE COSTS.—The Sec-
4 retary shall use not more than 4 percent of the
5 amount appropriated under subsection (d) for a
6 fiscal year to pay administrative costs incurred
7 in carrying out this section.

8 “(c) NO EFFECT ON DISTRIBUTION OF FUNDS.—
9 Nothing in this section affects any basis for distribution
10 of funds by a formula in existence on the date of enact-
11 ment of this section relating to—

12 “(1) the Federated States of Micronesia;

13 “(2) the Republic of the Marshall Islands; or

14 “(3) the Republic of Palau.

15 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
16 are authorized to be appropriated such sums as are nec-
17 essary to carry out this section for each of fiscal years
18 2008 through 2012.”.

19 **SEC. 7040. BORLAUG INTERNATIONAL AGRICULTURAL**
20 **SCIENCE AND TECHNOLOGY FELLOWSHIP**
21 **PROGRAM.**

22 Subtitle K of the National Agricultural Research, Ex-
23 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
24 et seq.) (as amended by section 7039) is amended by add-
25 ing at the end the following:

1 **“SEC. 1473I. BORLAUG INTERNATIONAL AGRICULTURAL**
2 **SCIENCE AND TECHNOLOGY FELLOWSHIP**
3 **PROGRAM.**

4 “(a) FELLOWSHIP PROGRAM.—

5 “(1) IN GENERAL.—The Secretary shall estab-
6 lish a fellowship program, to be known as the
7 ‘Borlaug International Agricultural Science and
8 Technology Fellowship Program,’ to provide fellow-
9 ships for scientific training and study in the United
10 States to individuals from eligible countries (as de-
11 scribed in subsection (b)) who specialize in agricul-
12 tural education, research, and extension.

13 “(2) PROGRAMS.—The Secretary shall carry
14 out the fellowship program by implementing 3 pro-
15 grams designed to assist individual fellowship recipi-
16 ents, including—

17 “(A) a graduate studies program in agri-
18 culture to assist individuals who participate in
19 graduate agricultural degree training at a
20 United States institution;

21 “(B) an individual career improvement
22 program to assist agricultural scientists from
23 developing countries in upgrading skills and un-
24 derstanding in agricultural science and tech-
25 nology; and

1 “(C) a Borlaug agricultural policy execu-
2 tive leadership course to assist senior agricul-
3 tural policy makers from eligible countries, with
4 an initial focus on individuals from sub-Saharan
5 Africa and the newly independent states of the
6 former Soviet Union.

7 “(b) ELIGIBLE COUNTRIES.—An eligible country is
8 a developing country, as determined by the Secretary
9 using a gross national income per capita test selected by
10 the Secretary.

11 “(c) PURPOSE OF FELLOWSHIPS.—A fellowship pro-
12 vided under this section shall—

13 “(1) promote food security and economic
14 growth in eligible countries by—

15 “(A) educating a new generation of agri-
16 cultural scientists;

17 “(B) increasing scientific knowledge and
18 collaborative research to improve agricultural
19 productivity; and

20 “(C) extending that knowledge to users
21 and intermediaries in the marketplace; and

22 “(2) shall support—

23 “(A) training and collaborative research
24 opportunities through exchanges for entry level
25 international agricultural research scientists,

1 faculty, and policymakers from eligible coun-
2 tries;

3 “(B) collaborative research to improve agri-
4 cultural productivity;

5 “(C) the transfer of new science and agri-
6 cultural technologies to strengthen agricultural
7 practice; and

8 “(D) the reduction of barriers to tech-
9 nology adoption.

10 “(d) FELLOWSHIP RECIPIENTS.—

11 “(1) ELIGIBLE CANDIDATES.—The Secretary
12 may provide fellowships under this section to individ-
13 uals from eligible countries who specialize in or have
14 experience in agricultural education, research, exten-
15 sion, or related fields, including—

16 “(A) individuals from the public and pri-
17 vate sectors; and

18 “(B) private agricultural producers.

19 “(2) CANDIDATE IDENTIFICATION.—The Sec-
20 retary shall use the expertise of United States land
21 grant colleges and universities and similar univer-
22 sities, international organizations working in agricul-
23 tural research and outreach, and national agricul-
24 tural research organizations to help identify program

1 candidates for fellowships under this section from
2 the public and private sectors of eligible countries.

3 “(e) USE OF FELLOWSHIPS.—A fellowship provided
4 under this section shall be used—

5 “(1) to promote collaborative programs among
6 agricultural professionals of eligible countries, agri-
7 cultural professionals of the United States, the inter-
8 national agricultural research system, and, as appro-
9 priate, United States entities conducting research;
10 and

11 “(2) to support fellowship recipients through
12 programs described in subsection (a)(2).

13 “(f) PROGRAM IMPLEMENTATION.—The Secretary
14 shall provide for the management, coordination, evalua-
15 tion, and monitoring of the overall Borlaug International
16 Agricultural Science and Technology Fellowship Program
17 and for the individual programs described in subsection
18 (a)(2), except that the Secretary may contract out to 1
19 or more collaborating universities the management of 1
20 or more of the fellowship programs.

21 “(g) AUTHORIZATION OF APPROPRIATIONS.—There
22 are authorized to be appropriated such sums as are nec-
23 essary to carry out this section, to remain available until
24 expended.”.

1 **SEC. 7041. NEW ERA RURAL TECHNOLOGY PROGRAM.**

2 Subtitle K of the National Agricultural Research, Ex-
3 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
4 et seq.) (as amended by section 7040) is amended by add-
5 ing at the end the following:

6 **“SEC. 1473J. NEW ERA RURAL TECHNOLOGY PROGRAM.**

7 “(a) DEFINITION OF RURAL COMMUNITY COL-
8 LEGE.—In this section, the term ‘rural community college’
9 means an institution of higher education that—

10 “(1) admits as regular students individuals
11 who—

12 “(A) are beyond the age of compulsory
13 school attendance in the State in which the in-
14 stitution is located; and

15 “(B) have the ability to benefit from the
16 training offered by the institution, in accord-
17 ance with criteria established by the Secretary;

18 “(2) does not provide an educational program
19 for which it awards a bachelor’s degree or an equiva-
20 lent degree;

21 “(3)(A) provides an educational program of not
22 less than 2 years that is acceptable for full credit to-
23 ward such a degree; or

24 “(B) offers a 2–year program in engineering,
25 technology, mathematics, or the physical, chemical
26 or biological sciences that is designed to prepare a

1 student to work as a technician or at the
2 semiprofessional level in engineering, scientific, or
3 other technological fields requiring the under-
4 standing and application of basic engineering, sci-
5 entific, or mathematical principles of knowledge; and

6 “(4) is located in a rural area (as defined in
7 section 343(a) of the Consolidated Farm and Rural
8 Development Act (7 U.S.C. 1991(a)).

9 “(b) PROGRAM.—

10 “(1) IN GENERAL.—The Secretary shall estab-
11 lish a program, to be known as the ‘New Era Rural
12 Technology Program’, under which the Secretary
13 shall make grants available for technology develop-
14 ment, applied research, and training to aid in the
15 development of an agriculture-based renewable en-
16 ergy workforce.

17 “(2) FIELDS.—In making grants under the
18 program, the Secretary shall support the fields of—

19 “(A) bioenergy;

20 “(B) pulp and paper manufacturing; and

21 “(C) agriculture-based renewable energy
22 resources.

23 “(c) ELIGIBILITY.—To be eligible to receive a grant
24 under this section, an entity shall—

1 “(1) be a rural community college or advanced
2 technological center (as determined by the Sec-
3 retary), in existence on the date of the enactment of
4 this section, that participates in agricultural or bio-
5 energy research and applied research;

6 “(2) have a proven record of development and
7 implementation of programs to meet the needs of
8 students, educators, business, and industry to supply
9 the agriculture-based, renewable energy, or pulp and
10 paper manufacturing fields with certified techni-
11 cians, as determined by the Secretary; and

12 “(3) have the ability to leverage existing part-
13 nerships and occupational outreach and training
14 programs for secondary schools, 4-year institutions,
15 and relevant nonprofit organizations.

16 “(d) GRANT PRIORITY.—In making grants under this
17 section, the Secretary shall give preference to rural com-
18 munity colleges working in partnership—

19 “(1) to improve information sharing capacity;
20 and

21 “(2) to maximize the ability of eligible recipi-
22 ents to meet the purposes of this section.

23 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
24 are authorized to be appropriated such sums as are nec-

1 essary to carry out this section for each of fiscal years
2 2008 through 2012.”.

3 **SEC. 7042. FARM AND RANCH STRESS ASSISTANCE NET-**
4 **WORK.**

5 Subtitle K of the National Agricultural Research, Ex-
6 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
7 et seq.) (as amended by section 7041) is amended by add-
8 ing at the end the following:

9 **“SEC. 1473K. FARM AND RANCH STRESS ASSISTANCE NET-**
10 **WORK.**

11 “(a) IN GENERAL.—The Secretary, in cooperation
12 with the Secretary of Health and Human Services, shall
13 establish a network, to be known as the ‘Farm and Ranch
14 Stress Assistance Network’ (referred to in this section as
15 the ‘Network’).

16 “(b) PURPOSE.—The purpose the network shall be
17 to provide behavioral health programs to participants in
18 the agricultural sector in the United States.

19 “(c) GRANTS.—The Secretary, in collaboration with
20 the extension service at the National Institute of Food and
21 Agriculture, shall provide grants on a competitive basis to
22 States and nonprofit organizations for use in carrying out
23 pilot projects to achieve the purpose of the Network.

24 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
25 are authorized to be appropriated such sums as are nec-

1 essary to carry out this section for each of fiscal years
2 2008 through 2012.”.

3 **SEC. 7043. RURAL ENTREPRENEURSHIP AND ENTERPRISE**
4 **FACILITATION PROGRAM.**

5 Subtitle K of the National Agricultural Research, Ex-
6 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
7 et seq.) (as amended by section 7042) is amended by add-
8 ing at the end the following:

9 **“SEC. 1473L. RURAL ENTREPRENEURSHIP AND ENTER-**
10 **PRISE FACILITATION PROGRAM.**

11 “(a) DEFINITION OF REGIONAL RURAL DEVELOP-
12 MENT CENTER.—In this section, the term ‘regional rural
13 development center’ means—

14 “(1) the North Central Regional Center for
15 Rural Development (or a designee);

16 “(2) the Northeast Regional Center for Rural
17 Development (or a designee);

18 “(3) the Southern Rural Development Center
19 (or a designee); and

20 “(4) the Western Rural Development Center (or
21 a designee).

22 “(b) PROJECTS.—The Secretary shall carry out re-
23 search, extension, and education projects to obtain data,
24 convey knowledge, and develop skills through projects
25 that—

1 “(1) transfer practical, reliable, and timely in-
2 formation to rural entrepreneurs and rural entrepre-
3 neurial development organizations concerning busi-
4 ness management, business planning, microenter-
5 prise, marketing, entrepreneurial education and
6 training, and the development of local and regional
7 entrepreneurial systems in rural areas and rural
8 communities;

9 “(2) provide education, training, and technical
10 assistance to newly-operational and growing rural
11 businesses;

12 “(3) improve access to diverse sources of cap-
13 ital, such as microenterprise loans and venture cap-
14 ital;

15 “(4) determine the best methods to train entre-
16 preneurs with respect to preparing business plans,
17 recordkeeping, tax rules, financial management, and
18 general business practices;

19 “(5) promote entrepreneurship among—

20 “(A) rural youth, minority, and immigrant
21 populations;

22 “(B) women; and

23 “(C) low- and moderate-income rural resi-
24 dents;

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

6 “(7) study and facilitate entrepreneurial devel-
7 opment systems that best align with the unique
8 needs and strengths of particular rural areas and
9 communities; and

10 “(8) explore promising strategies for building
11 an integrated system of program delivery to rural
12 entrepreneurs.

13 “(c) AGREEMENTS.—To carry out projects under
14 subsection (b), the Secretary shall provide grants to—

15 “(1) land-grant colleges and universities, in-
16 cluding cooperative extension services, agricultural
17 experiment stations, and regional rural development
18 centers;

19 “(2) other colleges and universities;

20 “(3) community, junior, technical, and voca-
21 tional colleges and other 2-year institutions of higher
22 education, and post-secondary business and com-
23 merce schools;

24 “(4) elementary schools and secondary schools;

25 “(5) nonprofit organizations; and

1 “(6) Federal, State, local, and tribal govern-
2 mental entities.

3 “(d) SELECTION AND PRIORITY OF PROJECTS.—

4 “(1) IN GENERAL.—In selecting projects to be
5 carried out under this section, the Secretary shall
6 take into consideration—

7 “(A) the relevance of the project to the
8 purposes of this section;

9 “(B) the appropriateness of the design of
10 the project;

11 “(C) the likelihood of achieving the objec-
12 tives of the project; and

13 “(D) the national or regional applicability
14 of the findings and outcomes of the project.

15 “(2) PRIORITY.—In carrying out projects under
16 this section, the Secretary shall give priority to
17 projects that—

18 “(A) enhance widespread access to entre-
19 preneurial education, including access to such
20 education in community-based settings for low-
21 and moderate-income entrepreneurs and poten-
22 tial entrepreneurs;

23 “(B) closely coordinate research and edu-
24 cation activities, including outreach education
25 efforts;

1 “(C) indicate the manner in which the
2 findings of the project will be made readily usa-
3 ble to rural entrepreneurs and to rural commu-
4 nity leaders;

5 “(D) maximize the involvement and co-
6 operation of rural entrepreneurs; and

7 “(E) involve cooperation and partnerships
8 between rural entrepreneurs, nonprofit organi-
9 zations, entrepreneurial development organiza-
10 tions, educational institutions at all levels, and
11 government agencies at all levels.

12 “(e) COMPETITIVE BASIS.—Grants under this section
13 shall be awarded on a competitive basis, in accordance
14 with such criteria as the national administrative council
15 established under subsection (j)(1) may establish.

16 “(f) TERM.—The term of a grant provided under this
17 section shall be not more than 5 years.

18 “(g) LIMITATION.—Not more than 20 percent of the
19 total amount of grants provided under this section shall
20 be provided to projects in which cooperative extension
21 services are involved as the sole or lead entity of the
22 project.

23 “(h) DIVERSIFICATION OF RESEARCH, EXTENSION,
24 AND EDUCATION PROJECTS.—The Secretary shall carry
25 out projects under this section in areas that the Secretary

1 determines to be broadly representative of the diversity of
2 the rural areas of the United States, and of rural entrepre-
3 neurship in the United States, including entrepreneurship
4 involving youth, minority populations, microenterprise,
5 and women, with a focus on nonagricultural businesses or
6 food and agriculturally-based businesses, but not direct
7 agriculture production.

8 “(i) ADMINISTRATION.—The Secretary shall admin-
9 ister projects carried out under this section acting through
10 the Administrator of the National Institute of Food and
11 Agriculture.

12 “(j) NATIONAL ADMINISTRATIVE COUNCIL.—

13 “(1) ESTABLISHMENT.—The Secretary shall es-
14 tablish, in accordance with this subsection, a na-
15 tional administrative council to assist the Secretary
16 in carrying out this section.

17 “(2) MEMBERSHIP.—The membership of the
18 national administrative council shall include—

19 “(A) qualified representatives of entities
20 with demonstrable expertise relating to rural
21 entrepreneurship, including representatives of—

22 “(i) the Cooperative State Research,
23 Education, and Extension Service;

24 “(ii) the Rural Business-Cooperative
25 Service;

1 “(iii) the Small Business Administra-
2 tion;

3 “(iv) regional rural development cen-
4 ters;

5 “(v) nonprofit organizations;

6 “(vi) regional and State agencies;

7 “(vii) cooperative extension services;

8 “(viii) colleges and universities;

9 “(ix) philanthropic organizations; and

10 “(x) Indian tribal governments;

11 “(B) self-employed rural entrepreneurs and
12 owners of rural small businesses;

13 “(C) elementary and secondary educators
14 that demonstrate experience in rural entrepre-
15 neurship; and

16 “(D) other persons with experience relat-
17 ing to rural entrepreneurship and the impact of
18 rural entrepreneurship on rural communities.

19 “(3) RESPONSIBILITIES.—In collaboration with
20 the Secretary, the national administrative council es-
21 tablished under this subsection shall—

22 “(A) promote the projects carried out
23 under this section;

24 “(B) establish goals and criteria for the se-
25 lection of projects under this section;

1 “(C)(i) appoint a technical committee to
2 evaluate project proposals to be considered by
3 the council; and

4 “(ii) make recommendations of the tech-
5 nical committee to the Secretary; and

6 “(D) prepare and make publicly available
7 an annual report relating to each applicable
8 project carried out under this section, including
9 a review of projects carried out during the pre-
10 ceding year.

11 “(4) CONFLICT OF INTEREST.—A member of
12 the national administrative council or a technical
13 committee shall not participate in any determination
14 relating to, or recommendation of, a project pro-
15 posed to be carried out under this section if the
16 member has had any business interest (including the
17 provision of consulting services) in the project or the
18 organization submitting the application.

19 “(k) AUTHORIZATION FOR APPROPRIATIONS.—There
20 are authorized to be appropriated such sums as are nec-
21 essary to carry out this section for each of the fiscal years
22 2008 through 2012.”.

23 **SEC. 7044. SEED DISTRIBUTION.**

24 Subtitle K of the National Agricultural Research, Ex-
25 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310

1 et seq.) (as amended by section 7043) is amended by add-
2 ing at the end the following:

3 **“SEC. 1473M. SEED DISTRIBUTION.**

4 “(a) ESTABLISHMENT.—The Secretary shall estab-
5 lish a program, to be known as the ‘seed distribution pro-
6 gram’, under which the Secretary shall provide a grant
7 to a nonprofit organization selected under subsection (c)
8 to carry out a seed distribution program to administer and
9 maintain the distribution of vegetable seeds donated by
10 commercial seed companies.

11 “(b) PURPOSE.—The purpose of the seed distribution
12 program under this section shall be to distribute vegetable
13 seeds donated by commercial seed companies.

14 “(c) SELECTION OF NONPROFIT ORGANIZATIONS.—

15 “(1) IN GENERAL.—The nonprofit organization
16 selected to receive a grant under subsection (a) shall
17 demonstrate to the satisfaction of the Secretary that
18 the organization—

19 “(A) has expertise regarding distribution
20 of vegetable seeds donated by commercial seed
21 companies; and

22 “(B) has the ability to achieve the purpose
23 of the seed distribution program.

24 “(2) PRIORITY.—In selecting a nonprofit orga-
25 nization for purposes of this section, the Secretary

1 shall give priority to a nonprofit organization that,
2 as of the date of selection, carries out an activity to
3 benefit underserved communities, such as commu-
4 nities that experience—

5 “(A) limited access to affordable fresh
6 vegetables;

7 “(B) a high rate of hunger or food insecu-
8 rity; or

9 “(C) severe or persistent poverty.

10 “(d) REQUIREMENT.—The nonprofit organization se-
11 lected under this section shall ensure that seeds donated
12 by commercial seed companies are distributed free-of-
13 charge to appropriate—

14 “(1) individuals;

15 “(2) groups;

16 “(3) institutions;

17 “(4) governmental and nongovernmental orga-
18 nizations; and

19 “(5) such other entities as the Secretary may
20 designate.

21 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
22 are authorized to be appropriated such sums as are nec-
23 essary to carry out this section for each of fiscal years
24 2008 through 2012.”.

1 **SEC. 7045. FARM AND RANCH SAFETY.**

2 Subtitle K of the National Agricultural Research, Ex-
3 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
4 et seq.) (as amended by section 7044) is amended by add-
5 ing at the end the following:

6 **“SEC. 1473N. FARM AND RANCH SAFETY.**

7 “(a) IN GENERAL.—The Secretary shall establish a
8 program, to be known as the ‘agricultural safety program’,
9 under which the Secretary shall provide grants to eligible
10 entities to carry out projects to decrease the incidence of
11 injury and death on farms and ranches.

12 “(b) ELIGIBLE ENTITIES.—To be eligible to receive
13 a grant under this section, an entity shall be—

14 “(1) a nonprofit organization;

15 “(2) a land-grant college or university (includ-
16 ing a cooperative extension service);

17 “(3) a minority-serving institution;

18 “(4) a 2-year or 4-year institution of higher
19 education; or

20 “(5) such other entity as the Secretary may
21 designate.

22 “(c) ELIGIBLE PROJECTS.—An eligible entity shall
23 use a grant received under this section only to carry out—

24 “(1) a project at least 1 component of which
25 emphasizes—

1 “(A) preventative service through on-site
2 farm or ranch safety reviews;

3 “(B) outreach and dissemination of farm
4 safety research and interventions to agricultural
5 employers, employees, youth, farm and ranch
6 families, seasonal workers, or other individuals;
7 or

8 “(C) agricultural safety education and
9 training; and

10 “(2) other appropriate activities, as determined
11 by the Secretary;

12 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
13 are authorized to be appropriated such sums as are nec-
14 essary to carry out this section for each of fiscal years
15 2008 through 2012.”.

16 **SEC. 7046. WOMEN AND MINORITIES IN STEM FIELDS.**

17 Subtitle K of the National Agricultural Research, Ex-
18 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
19 et seq.) (as amended by section 7045) is amended by add-
20 ing at the end the following:

21 **“SEC. 14730. WOMEN AND MINORITIES IN STEM FIELDS.**

22 “(a) ESTABLISHMENT.—The Secretary shall estab-
23 lish a program under which the Secretary, in coordination
24 with applicable Federal, State, and local programs, shall
25 provide grants to eligible institutions to increase, to the

1 maximum extent practicable, participation by women and
2 underrepresented minorities from rural areas (as defined
3 in section 343(a) of the Consolidated Farm and Rural De-
4 velopment Act (7 U.S.C. 1991(a))), in science, technology,
5 engineering, and mathematics fields (referred to in this
6 section as ‘STEM fields’).

7 “(b) ACTIVITIES.—In carrying out the program es-
8 tablished under subsection (a), the Secretary shall—

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

14 “(2) develop and administer training programs
15 for educators, career counselors, and industry rep-
16 resentatives in recruitment and retention strategies
17 to increase and retain women and underrepresented
18 minority students and job entrants into STEM
19 fields; and

20 “(3) support education-to-workforce programs
21 for women and underrepresented minorities to pro-
22 vide counseling, job shadowing, mentoring, and in-
23 ternship opportunities to guide participants in the
24 academic, training, and work experience needed for
25 STEM careers.

1 “(c) INSTITUTIONS.—

2 “(1) GRANTS.—The Secretary shall carry out
3 the program under this section at such institutions
4 as the Secretary determines to be appropriate by
5 providing grants, on a competitive basis, to the insti-
6 tutions.

7 “(2) PRIORITY.—In providing grants under
8 paragraph (1), the Secretary shall give priority, to
9 the maximum extent practicable, to institutions car-
10 rying out continuing programs funded by the Sec-
11 retary.

12 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
13 are authorized to be appropriated such sums as are nec-
14 essary to carry out this section for each of fiscal years
15 2008 through 2012.”.

16 **SEC. 7047. NATURAL PRODUCTS RESEARCH PROGRAM.**

17 Subtitle K of the National Agricultural Research, Ex-
18 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
19 et seq.) (as amended by section 7046) is amended by add-
20 ing at the end the following:

21 **“SEC. 1473P. NATURAL PRODUCTS RESEARCH PROGRAM.**

22 “(a) IN GENERAL.—The Secretary shall establish a
23 natural products research program.

1 “(b) DUTIES.—In carrying out the program estab-
2 lished under subsection (a), the Secretary shall coordinate
3 research relating to natural products, including—

4 “(1) research to improve human health and ag-
5 ricultural productivity through the discovery, devel-
6 opment, and commercialization of pharmaceuticals
7 and agrichemicals from bioactive natural products,
8 including products from plant, marine, and microbial
9 sources;

10 “(2) research to characterize the botanical
11 sources, production, chemistry, and biological prop-
12 erties of plant-derived natural products important
13 for agriculture and medicine; and

14 “(3) other research priorities identified by the
15 Secretary.

16 “(c) AUTHORIZATION OF APPROPRIATIONS.—There
17 are authorized to be appropriated to carry out this section
18 such sums as are necessary for each of fiscal years 2008
19 through 2012.”.

20 **SEC. 7048. INTERNATIONAL ANTI-HUNGER AND NUTRITION**
21 **PROGRAM.**

22 Subtitle K of the National Agricultural Research, Ex-
23 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
24 et seq.) (as amended by section 7047) is amended by add-
25 ing at the end the following:

1 **“SEC. 1473Q. INTERNATIONAL ANTI-HUNGER AND NUTRI-**
2 **TION.**

3 “(a) IN GENERAL.—The Secretary shall provide sup-
4 port to established nonprofit organizations that focus on
5 promoting research concerning—

6 “(1) anti-hunger and improved nutrition efforts
7 internationally; and

8 “(2) increased quantity, quality, and availability
9 of food.

10 “(b) AUTHORIZATION OF APPROPRIATIONS.—There
11 is authorized to be appropriated to carry out this section
12 \$1,000,000 for each of fiscal years 2008 through 2012.”.

13 **SEC. 7049. CONSORTIUM FOR AGRICULTURAL AND RURAL**
14 **TRANSPORTATION RESEARCH AND EDU-**
15 **CATION.**

16 Subtitle K of the National Agricultural Research, Ex-
17 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
18 et seq.) (as amended by section 7048) is amended by add-
19 ing at the end the following:

20 **“SEC. 1473R. CONSORTIUM FOR AGRICULTURAL AND**
21 **RURAL TRANSPORTATION RESEARCH AND**
22 **EDUCATION.**

23 “(a) IN GENERAL.—Subject to the availability of ap-
24 propriations to carry out this section, the Secretary, acting
25 through the Agricultural Marketing Service, shall award
26 grants to the Consortium for Agricultural and Rural

1 Transportation Research and Education for the purpose
2 of funding prospective, independent research, education,
3 and technology transfer activities.

4 “(b) ACTIVITIES.—Activities funded with grants
5 made under subsection (a) shall focus on critical rural and
6 agricultural transportation and logistics issues facing agri-
7 cultural producers and other rural businesses, including—

8 “(1) issues relating to the relationship between
9 renewable fuels and transportation;

10 “(2) export promotion issues based on transpor-
11 tation strategies for rural areas;

12 “(3) transportation and rural business facility
13 planning and location issues;

14 “(4) transportation management and supply
15 chain management support issues;

16 “(5) rural road planning and finance issues;

17 “(6) advanced transportation technology appli-
18 cations in a rural area; and

19 “(7) creation of a national agricultural mar-
20 keting and rural business transportation database.

21 “(c) REPORT.—Not later than September 30, 2011,
22 the Secretary shall submit to the Committee on Agri-
23 culture of the House of Representatives and the Com-
24 mittee on Agriculture, Nutrition, and Forestry of the Sen-
25 ate a report that—

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

5 “(2) contains recommendations about the grant
6 program.

7 “(d) AUTHORIZATION OF APPROPRIATIONS.—

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

11 “(2) ADMINISTRATIVE EXPENSES.—Of the total
12 amount made available under paragraph (1), not
13 more than \$1,000,000 may be used by the Agricul-
14 tural Marketing Service for administrative expenses
15 incurred in carrying out this section.”.

16 **Subtitle B—Food, Agriculture, Con-**
17 **servation, and Trade Act of 1990**

18 **SEC. 7101. NATIONAL GENETIC RESOURCES PROGRAM.**

19 (a) IN GENERAL.—Section 1632 of the Food, Agri-
20 culture, Conservation, and Trade Act of 1990 (7 U.S.C.
21 5841) is amended—

22 (1) by striking subsection (b) and inserting the
23 following:

24 “(b) PURPOSE.—The program is established for the
25 purpose of—

1 “(1) maintaining and enhancing a program pro-
2 viding for the collection, preservation, and dissemi-
3 nation of plant, animal, and microbial genetic mate-
4 rial of importance to food and agriculture production
5 in the United States; and

6 “(2) undertaking long-term research on plant
7 and animal breeding and disease resistance.”; and

8 (2) in subsection (d)—

9 (A) in paragraph (5), by striking “and” at
10 the end;

11 (B) by redesignating paragraph (6) as
12 paragraph (7); and

13 (C) by inserting after paragraph (5) the
14 following:

15 “(6) in conjunction with national programs for
16 plant and animal genetic resources, undertake long-
17 term research on plant and animal breeding, includ-
18 ing the development of varieties adapted to sustain-
19 able and organic farming systems, and disease re-
20 sistance; and”.

21 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
22 1635(b) of the Food, Agriculture, Conservation, and
23 Trade Act of 1990 (7 U.S.C. 5844(b)) is amended by
24 striking “2007” and inserting “2012”.

1 **SEC. 7102. HIGH-PRIORITY RESEARCH AND EXTENSION INI-**
2 **TIATIVES.**

3 Section 1672 of the Food, Agriculture, Conservation,
4 and Trade Act of 1990 (7 U.S.C. 5925) is amended—

5 (1) in subsection (e), by adding at the end the
6 following:

7 “(46) COLONY COLLAPSE DISORDER AND POL-
8 LINATOR RESEARCH PROGRAM.—Research and ex-
9 tension grants may be made to—

10 “(A) survey and collect data on bee colony
11 production and health;

12 “(B) investigate pollinator biology, immu-
13 nology, ecology, genomics, and bioinformatics;

14 “(C) conduct research on various factors
15 that may be contributing to or associated with
16 colony collapse disorder, and other serious
17 threats to the health of honey bees and other
18 pollinators, including—

19 “(i) parasites and pathogens of polli-
20 nators; and

21 “(ii) the sublethal effects of insecti-
22 cides, herbicides, and fungicides on honey
23 bees and native and managed pollinators;

24 “(D) develop mitigative and preventative
25 measures to improve native and managed polli-
26 nator health; and

1 “(E) promote the health of honey bees and
2 native pollinators through habitat conservation
3 and best management practices.

4 “(47) MARINE SHRIMP FARMING PROGRAM.—
5 Research and extension grants may be made to es-
6 tablish a research program to advance and maintain
7 a domestic shrimp farming industry in the United
8 States.

9 “(48) CRANBERRY RESEARCH PROGRAM.—Re-
10 search and extension grants may be made to study
11 new technologies to assist cranberry growers in com-
12 plying with Federal and State environmental regula-
13 tions, increase cranberry production, develop new
14 growing techniques, establish more efficient growing
15 methodologies, and educate farmers about sustain-
16 able growth practices.

17 “(49) TURFGRASS RESEARCH INITIATIVE.—Re-
18 search and extension grants may be made to study
19 the production of turfgrass (including the use of
20 water, fertilizer, pesticides, fossil fuels, and machin-
21 ery for turf establishment and maintenance) and en-
22 vironmental protection and enhancement relating to
23 turfgrass production.

24 “(50) PESTICIDE SAFETY RESEARCH INITIA-
25 TIVE.—Research grants may be made to study pes-

1 pesticide safety for migrant and seasonal agricultural
2 workers, including research on increased risks of
3 cancer or birth defects among migrant or seasonal
4 farmworkers and their children, identification of ob-
5 jective biological indicators, and development of inex-
6 pensive clinical tests to enable clinicians to diagnose
7 overexposure to pesticides, and development of field-
8 level tests to determine when pesticide-treated fields
9 are safe to reenter to perform hand labor activities.

10 “(51) SWINE GENOME PROJECT.—Research
11 grants may be made under this section to conduct
12 swine genome research and to map the swine ge-
13 nome.

14 “(52) HIGH PLAINS AQUIFER REGION.—Re-
15 search and extension grants may be made to carry
16 out interdisciplinary research relating to diminishing
17 water levels and increased demand for water in the
18 High Plains aquifer region encompassing the States
19 of Colorado, Kansas, Nebraska, New Mexico, Okla-
20 homa, South Dakota, Texas, and Wyoming.

21 “(53) CELLULOSIC FEEDSTOCK TRANSPOR-
22 TATION AND DELIVERY INITIATIVE.—Research and
23 extension grants may be made to study new tech-
24 nologies for the economic post-harvest densification,

1 handling, transportation, and delivery of cellulosic
2 feedstocks for bioenergy conversion.

3 “(54) DEER INITIATIVE.—Research and exten-
4 sion grants may be made to support collaborative re-
5 search focusing on the development of viable strate-
6 gies for the prevention, diagnosis, and treatment of
7 infectious, parasitic, and toxic diseases of farmed
8 deer and the mapping of the deer genome.

9 “(55) PASTURE-BASED BEEF SYSTEMS FOR AP-
10 PALACHIA RESEARCH INITIATIVE.—Research and ex-
11 tension grants may be made to land-grant institu-
12 tions—

13 “(A) to study the development of forage
14 sequences and combinations for cow-calf, heifer
15 development, stocker, and finishing systems;

16 “(B) to deliver optimal nutritive value for
17 efficient production of cattle for pasture fin-
18 ishing;

19 “(C) to optimize forage systems to produce
20 pasture finished beef that is acceptable to con-
21 sumers;

22 “(D) to develop a 12-month production
23 and marketing model cycle for forage-fed beef;
24 and

1 “(E) to assess the effect of forage quality
2 on reproductive fitness and related measures.”;
3 and
4 (2) in subsection (h), by striking “2007” and
5 inserting “2012, of which \$20,000,000 shall be used
6 for each fiscal year to make grants described in sub-
7 section (e)(46)”.

8 **SEC. 7103. NUTRIENT MANAGEMENT RESEARCH AND EX-**
9 **TENSION INITIATIVE.**

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

13 (1) by redesignating subsection (g) as sub-
14 section (f); and

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

17 **SEC. 7104. ORGANIC AGRICULTURE RESEARCH AND EXTEN-**
18 **SION INITIATIVE.**

19 Section 1672B of the Food, Agriculture, Conserva-
20 tion, and Trade Act of 1990 (7 U.S.C. 5925b) is amended
21 by striking subsection (e) and inserting the following:

22 “(e) FUNDING.—Of the funds of the Commodity
23 Credit Corporation, the Secretary shall use to carry out
24 this section \$16,000,000 for each of fiscal years 2008
25 through 2012, to remain available until expended.”.

1 **SEC. 7105. AGRICULTURAL TELECOMMUNICATIONS PRO-**
2 **GRAM.**

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

6 **SEC. 7106. ASSISTIVE TECHNOLOGY PROGRAM FOR FARM-**
7 **ERS WITH DISABILITIES.**

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

11 **SEC. 7107. NATIONAL RURAL INFORMATION CENTER**
12 **CLEARINGHOUSE.**

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

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

19 **SEC. 7201. INITIATIVE FOR FUTURE AGRICULTURE AND**
20 **FOOD SYSTEMS.**

21 (a) FUNDING.—Section 401(b) of the Agricultural
22 Research, Extension, and Education Reform Act of 1998
23 (7 U.S.C. 7621(b)) is amended by striking paragraph (3)
24 and inserting the following:

25 “(3) OTHER FUNDING.—

1 “(A) AUTHORIZATION OF APPROPRIA-
2 TIONS.—There is authorized to be appropriated
3 to carry out this section \$200,000,000 for each
4 of fiscal years 2008 through 2012.

5 “(B) SHORTAGE OF FUNDS.—Notwith-
6 standing any other provision of law, during any
7 year for which funds are not made available
8 under this subsection, the Secretary shall use
9 not less than 80 percent of the funds made
10 available for competitive mission-linked systems
11 research grants under section 2(b)(10)(B) of
12 the Competitive, Special, and Facilities Re-
13 search Grant Act (7 U.S.C. 450i(b)(10)(B)) to
14 carry out a competitive grant program under
15 the same terms and conditions as are provided
16 under this section.”.

17 (b) PURPOSES.—Section 401(e) of the Agricultural
18 Research, Extension, and Education Reform Act of 1998
19 (7 U.S.C. 7621(e)) is amended—

20 (1) in paragraph (1)(D), by striking “policy”;

21 and

22 (2) in paragraph (2)—

23 (A) by striking subparagraphs (A) and

24 (D);

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

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

6 “(C) sustainable and renewable agri-
7 culture-based energy production options and
8 policies;

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

11 “(E) agricultural and rural entrepreneur-
12 ship and business and community development,
13 including farming and ranching opportunities
14 for beginning farmers or ranchers;” and

15 (D) in subparagraph (F) (as redesignated
16 by subparagraph (B))—

17 (i) by inserting “and environmental”
18 after “natural resource”; and

19 (ii) by inserting “agro-ecosystems
20 and” after “including”; and

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

23 (i) by striking “including the viabil-
24 ity” and inserting the following: “includ-
25 ing—

1 “(i) the viability”; and
2 (ii) by striking “operations.” and in-
3 serting the following: “operations;
4 “(ii) farm transition options for retir-
5 ing farmers or ranchers; and
6 “(iii) farm transfer and entry alter-
7 natives for beginning or socially-disadvan-
8 tagged farmers or ranchers.”.

9 **SEC. 7202. PARTNERSHIPS FOR HIGH-VALUE AGRICUL-**
10 **TURAL PRODUCT QUALITY RESEARCH.**

11 Section 402(g) of the Agricultural Research, Exten-
12 sion, and Education Reform Act of 1998 (7 U.S.C.
13 7622(g)) is amended by striking “2007” and inserting
14 “2012”.

15 **SEC. 7203. PRECISION AGRICULTURE.**

16 Section 403(i)(1) of the Agricultural Research, Ex-
17 tension, and Education Reform Act of 1998 (7 U.S.C.
18 7623(i)(1)) is amended by striking “2007” and inserting
19 “2012”.

20 **SEC. 7204. BIOBASED PRODUCTS.**

21 (a) PILOT PROJECT.—Section 404(e)(2) of the Agri-
22 cultural Research, Extension, and Education Reform Act
23 of 1998 (7 U.S.C. 7624(e)(2)) is amended by striking
24 “2007” and inserting “2012”.

1 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
2 404(h) of the Agricultural Research, Extension, and Edu-
3 cation Reform Act of 1998 (7 U.S.C. 7624(h)) is amended
4 by striking “2007” and inserting “2012”.

5 **SEC. 7205. THOMAS JEFFERSON INITIATIVE FOR CROP DI-**
6 **VERSIFICATION.**

7 Section 405(h) of the Agricultural Research, Exten-
8 sion, and Education Reform Act of 1998 (7 U.S.C.
9 7625(h)) is amended by striking “2007” and inserting
10 “2012”.

11 **SEC. 7206. INTEGRATED RESEARCH, EDUCATION, AND EX-**
12 **TENSION COMPETITIVE GRANTS PROGRAM.**

13 Section 406(f) of the Agricultural Research, Exten-
14 sion, and Education Reform Act of 1998 (7 U.S.C.
15 7626(f)) is amended by striking “2007” and inserting
16 “2012”.

17 **SEC. 7207. SUPPORT FOR RESEARCH REGARDING DISEASES**
18 **OF WHEAT, TRITICALE, AND BARLEY CAUSED**
19 **BY FUSARIUM GRAMINEARUM OR BY**
20 **TILLETIA INDICA.**

21 Section 408(e) of the Agricultural Research, Exten-
22 sion, and Education Reform Act of 1998 (7 U.S.C.
23 7628(e)) is amended by striking “2007” and inserting
24 “2012”.

1 **SEC. 7208. BOVINE JOHNE'S DISEASE CONTROL PROGRAM.**

2 Section 409(b) of the Agricultural Research, Exten-
3 sion, and Education Reform Act of 1998 (7 U.S.C.
4 7629(b)) is amended by striking “2007” and inserting
5 “2012”.

6 **SEC. 7209. GRANTS FOR YOUTH ORGANIZATIONS.**

7 Section 410(c) of the Agricultural Research, Exten-
8 sion, and Education Reform Act of 1998 (7 U.S.C.
9 7630(c)) is amended by striking “2007” and inserting
10 “2012”.

11 **SEC. 7210. AGRICULTURAL BIOTECHNOLOGY RESEARCH**
12 **AND DEVELOPMENT FOR DEVELOPING COUN-**
13 **TRIES.**

14 Section 411(c) of the Agricultural Research, Exten-
15 sion, and Education Reform Act of 1998 (7 U.S.C.
16 7631(c)) is amended by striking “2007” and inserting
17 “2012”.

18 **SEC. 7211. SPECIALTY CROP RESEARCH INITIATIVE.**

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

22 **“SEC. 412. SPECIALTY CROP RESEARCH INITIATIVE.**

23 “(a) DEFINITIONS.—In this section:

24 “(1) INITIATIVE.—The term ‘Initiative’ means
25 the specialty crop research initiative established by
26 subsection (b).

1 “(2) SPECIALTY CROP.—The term ‘specialty
2 crop’ has the meaning given the term in section 3
3 of the Specialty Crops Competitiveness Act of 2004
4 (7 U.S.C. 1621 note; Public Law 108–465).

5 “(b) ESTABLISHMENT.—There is established within
6 the Department a specialty crop research initiative.

7 “(c) PURPOSE.—The purpose of the Initiative shall
8 be to address the critical needs of the specialty crop indus-
9 try by providing science-based tools to address needs of
10 specific crops and regions, including—

11 “(1) fundamental and applied work in plant
12 breeding, genetics, and genomics to improve crop
13 characteristics, such as—

14 “(A) product appearance, quality, taste,
15 yield, and shelf life;

16 “(B) environmental responses and toler-
17 ances;

18 “(C) plant-nutrient uptake efficiency re-
19 sulting in improved nutrient management;

20 “(D) pest and disease management, includ-
21 ing resilience to pests and diseases resulting in
22 reduced application management strategies; and

23 “(E) enhanced phytonutrient content;

24 “(2) efforts to prevent, identify, control, or
25 eradicate invasive species;

1 “(3) methods of improving agricultural produc-
2 tion by developing more technologically-efficient and
3 effective applications of water, nutrients, and pes-
4 ticides to reduce energy use;

5 “(4) new innovations and technology to enhance
6 mechanization and reduce reliance on labor;

7 “(5) methods of improving production effi-
8 ciency, productivity, sustainability, and profitability
9 over the long term;

10 “(6) methods to prevent, control, and respond
11 to human pathogen contamination of specialty crops,
12 including fresh-cut produce; and

13 “(7) efforts relating to optimizing the produc-
14 tion of organic specialty crops.

15 “(d) ELIGIBLE ENTITIES.—The Secretary may carry
16 out the Initiative through—

17 “(1) Federal agencies;

18 “(2) national laboratories;

19 “(3) institutions of higher education;

20 “(4) research institutions and organizations;

21 “(5) private organizations and corporations;

22 “(6) State agricultural experiment stations; and

23 “(7) individuals.

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

1 “(1) carry out research; and

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

3 “(f) PRIORITIES.—In making grants under this sec-
4 tion, the Secretary shall provide a higher priority to
5 projects that—

6 “(1) are multistate, multi-institutional, or mul-
7 tidisciplinary; and

8 “(2) include explicit mechanisms to commu-
9 nicate usable results to producers and the public.

10 “(g) FUNDING.—Of the funds of the Commodity
11 Credit Corporation, the Secretary shall use to carry out
12 this section \$16,000,000 for each of fiscal years 2008
13 through 2012, to remain available until expended.”.

14 **SEC. 7212. OFFICE OF PEST MANAGEMENT POLICY.**

15 (a) IN GENERAL.—Section 614(b) of the Agricultural
16 Research, Extension, and Education Reform Act of 1998
17 (7 U.S.C. 7653(b)) is amended—

18 (1) in the matter preceding paragraph (1), by
19 striking “Department” and inserting “Office of the
20 Chief Economist”;

21 (2) in paragraph (1), by striking “the develop-
22 ment and coordination” and inserting “the develop-
23 ment, coordination, and representation”; and

24 (3) in paragraph (3), by striking “assisting
25 other agencies of the Department in fulfilling their”

1 and inserting “enabling the Secretary to fulfill the
2 statutory”.

3 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
4 614(f) of the Agricultural Research, Extension, and Edu-
5 cation Reform Act of 1998 (7 U.S.C. 7653(f)) is amended
6 by striking “2007” and inserting “2012”.

7 **SEC. 7213. FOOD ANIMAL RESIDUE AVOIDANCE DATABASE**
8 **PROGRAM.**

9 Section 604 of the Agricultural Research, Extension,
10 and Education Reform Act of 1998 (7 U.S.C. 7642) is
11 amended by adding at the end the following:

12 “(e) AUTHORIZATION OF APPROPRIATIONS.—There
13 is authorized to be appropriated to carry out this section
14 \$2,500,000 for each of fiscal years 2008 through 2012.”.

15 **Subtitle D—Other Laws**

16 **SEC. 7301. CRITICAL AGRICULTURAL MATERIALS ACT.**

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

20 **SEC. 7302. EQUITY IN EDUCATIONAL LAND-GRANT STATUS**
21 **ACT OF 1994.**

22 (a) DEFINITION OF 1994 INSTITUTIONS.—Section
23 532 of the Equity in Educational Land-Grant Status Act
24 of 1994 (7 U.S.C. 301 note; Public Law 103–382) is
25 amended by adding at the end the following:

1 “(34) Iisagvik College.”.

2 (b) ENDOWMENT FOR 1994 INSTITUTIONS.—Section
3 533(b) of the Equity in Educational Land-Grant Status
4 Act of 1994 (7 U.S.C. 301 note; Public Law 103–382)
5 is amended in the first sentence by striking “2007” and
6 inserting “2012”.

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

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

16 **SEC. 7303. SMITH-LEVER ACT.**

17 (a) CHILDREN, YOUTH, AND FAMILIES EDUCATION
18 AND RESEARCH NETWORK PROGRAM.—Section 3 of the
19 Smith-Lever Act (7 U.S.C. 343) is amended by adding
20 at the end the following:

21 “(k) CHILDREN, YOUTH, AND FAMILIES EDUCATION
22 AND RESEARCH NETWORK PROGRAM.—Notwithstanding
23 section 3(d)(2) of the Act of May 8, 1914 (7 U.S.C.
24 343(d)(2)), in carrying out the children, youth, and fami-
25 lies education and research network program using

1 amounts made available under subsection (d), the Sec-
2 retary shall include 1890 Institutions (as defined in sec-
3 tion 2 of the Agricultural Research, Extension, and Edu-
4 cation Reform Act of 1998 (7 U.S.C. 7601)) as eligible
5 program applicants and participants.”.

6 (b) **ELIMINATION OF THE GOVERNOR’S REPORT RE-**
7 **QUIREMENT FOR EXTENSION ACTIVITIES.**—Section 5 of
8 the Smith-Lever Act (7 U.S.C. 345) is amended by strik-
9 ing the third sentence.

10 **SEC. 7304. HATCH ACT OF 1887.**

11 (a) **DISTRICT OF COLUMBIA.**—Section 3(d)(4) of the
12 Hatch Act of 1887 (7 U.S.C. 361c(d)(4)) is amended—

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

15 (2) in subparagraph (A)—

16 (A) by inserting “and the District of Co-
17 lumbia” after “United States”; and

18 (B) by inserting “and the District of Co-
19 lumbia” after “respectively,”; and

20 (3) in subparagraph (B), by inserting “or the
21 District of Columbia” after “area”.

22 (b) **ELIMINATION OF PENALTY MAIL AUTHORI-**
23 **TIES.**—

24 (1) **IN GENERAL.**—Section 6 of the Hatch Act
25 of 1887 (7 U.S.C. 361f) is amended in the first sen-

1 tence by striking “under penalty indicia:” and all
2 that follows through the end of the sentence and in-
3 serting a period.

4 (2) CONFORMING AMENDMENTS IN OTHER
5 LAWS.—

6 (A) NATIONAL AGRICULTURAL RESEARCH,
7 EXTENSION, AND TEACHING POLICY ACT OF
8 1977.—

9 (i) Section 1444(f) of the National
10 Agricultural Research, Extension, and
11 Teaching Policy Act of 1977 (7 U.S.C.
12 3221(f)) is amended by striking “under
13 penalty indicia:” and all that follows
14 through the end of the sentence and insert-
15 ing a period.

16 (ii) Section 1445(e) of the National
17 Agricultural Research, Extension, and
18 Teaching Policy Act of 1977 (7 U.S.C.
19 3222(e)) is amended by striking “under
20 penalty indicia:” and all that follows
21 through the end of the sentence and insert-
22 ing a period.

23 (B) OTHER PROVISIONS.—Section 3202(a)
24 of title 39, United States Code, is amended—

25 (i) in paragraph (1)—

1 (I) in subparagraph (D), by add-
2 ing “and” at the end;

3 (II) in subparagraph (E), by
4 striking “sections; and” and inserting
5 “sections.”; and

6 (III) by striking subparagraph
7 (F);

8 (ii) in paragraph (2), by adding “and”
9 at the end;

10 (iii) in paragraph (3) by striking
11 “thereof; and” and inserting “thereof.”;
12 and

13 (iv) by striking paragraph (4).

14 **SEC. 7305. RESEARCH FACILITIES ACT.**

15 Section 6(a) of the Research Facilities Act (7 U.S.C.
16 390d(a)) is amended by striking “2007” and inserting
17 “2012”.

18 **SEC. 7306. NATIONAL AGRICULTURAL RESEARCH, EXTEN-**
19 **SION, AND TEACHING POLICY ACT AMEND-**
20 **MENTS OF 1985.**

21 Section 1431 of the National Agricultural Research,
22 Extension, and Teaching Policy Act Amendments of 1985
23 (Public Law 99–198; 99 Stat. 1556) is amended by strik-
24 ing “2007” and inserting “2012”.

1 **SEC. 7307. COMPETITIVE, SPECIAL, AND FACILITIES RE-**
2 **SEARCH GRANT ACT.**

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

5 (1) in paragraph (2)—

6 (A) in the matter preceding subparagraph

7 (A)—

8 (i) by striking “in the areas” and all
9 that follows through “needs shall be” and
10 inserting “, as”; and

11 (ii) by striking “year.” and inserting
12 “year, relating to—”;

13 (B) in subparagraph (E), by striking
14 “and” at the end and inserting “; agricultural
15 genomics and biotechnology, including the ap-
16 plication of genomics and bioinformatics tools
17 to develop traits in plants and animals
18 (translational genomics);”;

19 (C) in subparagraph (F), by striking the
20 period at the end and inserting “, including
21 areas of concern to beginning farmers or ranch-
22 ers; and”; and

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

24 “(G) classical plant and animal breeding,
25 including cultivar and breed development, selec-
26 tion theory, applied quantitative genetics, breed-

1 ing for organic and sustainable systems, breed-
2 ing for improved nutritional and eating quality,
3 breeding for improved local adaptation to biotic
4 stress, abiotic stress, and climate change, and
5 participatory breeding with farmers and end
6 users.”;

7 (2) in paragraph (4)—

8 (A) by striking “The” and inserting the
9 following:

10 “(A) IN GENERAL.—Subject to subpara-
11 graph (B), the”;

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

13 “(B) CLASSICAL PLANT AND ANIMAL
14 BREEDING.—

15 “(i) TERM.—The term of a competi-
16 tive grant relating to classical plant and
17 animal breeding under paragraph (2)(G)
18 shall not exceed 10 years.

19 “(ii) AVAILABILITY.—Funds made
20 available for a fiscal year for a competitive
21 grant relating to classical plant and animal
22 breeding under paragraph (2)(G) shall re-
23 main available until expended to pay for
24 obligations incurred in that fiscal year.”;
25 and

1 (3) in paragraph (10), by striking “2007” and
2 inserting “2012”.

3 **SEC. 7308. EDUCATION GRANTS TO ALASKA NATIVE SERV-**
4 **ING INSTITUTIONS AND NATIVE HAWAIIAN**
5 **SERVING INSTITUTIONS.**

6 Section 759 of the Agriculture, Rural Development,
7 Food and Drug Administration, and Related Agencies Ap-
8 propriations Act, 2000 (7 U.S.C. 3242) is amended—

9 (1) in subsection (a)(3), by striking “2006” and
10 inserting “2012”; and

11 (2) in subsection (b)—

12 (A) in paragraph (2)(A), by inserting be-
13 fore the semicolon at the end the following: “,
14 including permitting consortia to designate fis-
15 cal agents for the members of the consortia and
16 to allocate among the members funds made
17 available under this section”; and

18 (B) in paragraph (3), by striking “2006”
19 and inserting “2012”.

20 **SEC. 7309. BEGINNING FARMER AND RANCHER DEVELOP-**
21 **MENT PROGRAM.**

22 (a) GRANTS.—Section 7405(c) of the Farm Security
23 and Rural Investment Act of 2002 (7 U.S.C. 3319f(e))
24 is amended—

25 (1) in paragraph (1)—

1 (A) in subparagraph (I), by inserting “, in-
2 cluding energy conservation and efficiency”
3 after “assistance”; and

4 (B) in subparagraph (K), by inserting “,
5 including transition to organic and other
6 source-verified and value-added alternative pro-
7 duction and marketing systems” after “strate-
8 gies”;

9 (2) by striking paragraph (3) and inserting the
10 following:

11 “(3) MAXIMUM TERM AND SIZE OF GRANT.—

12 “(A) IN GENERAL.—A grant under this
13 subsection shall—

14 “(i) have a term that is not more than
15 3 years; and

16 “(ii) be in an amount that is not more
17 than \$250,000 a year.

18 “(B) CONSECUTIVE GRANTS.—An eligible
19 recipient may receive consecutive grants under
20 this subsection.”;

21 (3) by redesignating paragraphs (5) through
22 (7) as paragraphs (9) through (11), respectively;

23 (4) by inserting after paragraph (4) the fol-
24 lowing:

1 “(5) EVALUATION CRITERIA.—In making
2 grants under this subsection, the Secretary shall
3 evaluate—

4 “(A) relevancy;

5 “(B) technical merit;

6 “(C) achievability;

7 “(D) the expertise and track record of 1 or
8 more applicants;

9 “(E) the adequacy of plans for the
10 participatory evaluation process, outcome-based
11 reporting, and the communication of findings
12 and results beyond the immediate target audi-
13 ence; and

14 “(F) other appropriate factors, as deter-
15 mined by the Secretary.

16 “(6) REGIONAL BALANCE.—In making grants
17 under this subsection, the Secretary shall, to the
18 maximum extent practicable, ensure geographic di-
19 versity.

20 “(7) ORGANIC CONVERSION.—The Secretary
21 may make grants under this subsection to support
22 projects that provide comprehensive technical assist-
23 ance to beginning farmers or ranchers who are in
24 the process of converting to certified organic produc-
25 tion.

1 “(8) PRIORITY.—In making grants under this
2 subsection, the Secretary shall give priority to part-
3 nerships and collaborations that are led by or in-
4 clude non-governmental and community-based orga-
5 nizations with expertise in new farmer training and
6 outreach.”; and

7 (5) in paragraph (9) (as redesignated by para-
8 graph (3))—

9 (A) in subparagraph (B), by striking
10 “and” at the end;

11 (B) in subparagraph (C), by striking the
12 period and adding “; and”; and

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

14 “(D) refugee or immigrant beginning
15 farmers or ranchers”.

16 (b) EDUCATION TEAMS.—Section 7405(d)(2) of the
17 Farm Security and Rural Investment Act of 2002 (7
18 U.S.C. 3319f(d)(2)) is amended by inserting “, including
19 sustainable and organic farming production and mar-
20 keting methods” before the period at the end.

21 (c) STAKEHOLDER INPUT.—Section 7405(f) of the
22 Farm Security and Rural Investment Act of 2002 (7
23 U.S.C. 3319f(f)) is amended—

1 (1) by redesignating paragraphs (1) through
2 (3) as subparagraphs (A) through (C), respectively,
3 and indenting appropriately;

4 (2) by striking “In carrying out” and inserting
5 the following:

6 “(1) IN GENERAL.—In carrying out”; and

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

8 “(2) REVIEW PANELS.—In forming review pan-
9 els to evaluate proposals submitted under this sec-
10 tion, the Secretary shall include individuals from the
11 categories described in paragraph (1).”.

12 (d) FUNDING.—Section 7405(h) of the Farm Secu-
13 rity and Rural Investment Act of 2002 (7 U.S.C. 3319f(h))
14 is amended by striking “2007” and inserting “2012”.

15 **SEC. 7310. MCINTIRE-STENNIS COOPERATIVE FORESTRY**
16 **ACT.**

17 Section 2 of Public Law 87–788 (commonly known
18 as the “McIntire-Stennis Cooperative Forestry Act”) (16
19 U.S.C. 582a–1) is amended by inserting “and 1890 Insti-
20 tutions (as defined in section 2 of the Agricultural Re-
21 search, Extension, and Education Reform Act of 1998 (7
22 U.S.C. 7601)),” before “and (b)”.

1 **SEC. 7311. NATIONAL AQUACULTURE ACT OF 1980.**

2 Section 10 of the National Aquaculture Act of 1980
3 (16 U.S.C. 2809) is amended by striking “2007” each
4 place it appears and inserting “2012”.

5 **SEC. 7312. NATIONAL ARBORETUM.**

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

8 **“SEC. 7. CONSTRUCTION OF A CHINESE GARDEN AT NA-**
9 **TIONAL ARBORETUM.**

10 “A Chinese Garden may be constructed at the Na-
11 tional Arboretum established under this Act with—

12 “(1) funds accepted under section 5;

13 “(2) authorities provided to the Secretary of
14 Agriculture under section 6; and

15 “(3) appropriations made for this purpose.”.

16 **SEC. 7313. ELIGIBILITY OF UNIVERSITY OF THE DISTRICT**
17 **OF COLUMBIA FOR CERTAIN LAND-GRANT**
18 **UNIVERSITY ASSISTANCE.**

19 Section 208 of the District of Columbia Public Post-
20 secondary Education Reorganization Act (Public Law 93-
21 471; 88 Stat. 1428) is amended—

22 (1) in subsection (b)(2), by striking “, except”
23 and all that follows through the period and inserting
24 a period; and

25 (2) in subsection (c)—

1 (A) by striking “section 3” each place it
2 appears and inserting “section 3(c)”; and

3 (B) by striking “Such sums may be used
4 to pay” and all that follows through “work.”.

5 **SEC. 7314. ENHANCED USE LEASE AUTHORITY.**

6 Title III of the Department of Agriculture Reorga-
7 nization Act of 1994 is amended by adding after section
8 306 (7 U.S.C. 2204 note; Public Law 103–354) the fol-
9 lowing:

10 **“SEC. 307. ENHANCED USE LEASE AUTHORITY.**

11 “(a) IN GENERAL.—In order to enhance the use of
12 real property administered by agencies of the Department
13 of Agriculture (referred to in this section as ‘USDA agen-
14 cies’), in accordance with this section, the Secretary of Ag-
15 riculture (referred to in this section as the ‘Secretary’)
16 may lease the property to any person or entity, including
17 agencies or instrumentalities of Federal, State or local
18 governments.

19 “(b) REQUIREMENTS.—

20 “(1) IN GENERAL.—Notwithstanding chapter 5
21 of subtitle I of title 40, United States Code, the Sec-
22 retary may lease real property on such terms and
23 conditions as the Secretary may prescribe if—

1 “(A) the lease is consistent with, and will
2 not adversely affect the mission of, the USDA
3 agency administering the property; and

4 “(B) the lease will enhance the use of the
5 property.

6 “(2) TERM.—The term of the lease under this
7 section shall not exceed 30 years.

8 “(3) CONSIDERATION.—

9 “(A) IN GENERAL.—Consideration for a
10 lease under this section shall be at fair market
11 value or for commensurate consideration, as de-
12 termined appropriate by the Secretary.

13 “(B) FORM.—Consideration may take the
14 form of 1 or more of—

15 “(i) the payment of cash;

16 “(ii) the maintenance, construction,
17 modification, or improvement of facilities
18 on real property administered by a USDA
19 agency;

20 “(iii) the provision of services to a
21 USDA agency;

22 “(iv) the use by a USDA agency of
23 facilities constructed or placed on USDA-
24 administered land; or

1 “(v) the construction of new facilities
2 for use by a USDA agency.

3 “(C) COSTS.—The Secretary shall require
4 a lessee to cover the costs of the granting and
5 administration of a lease under this section.

6 “(D) LEASES TO OTHER FEDERAL AGEN-
7 CIES.—Property may be leased to other Federal
8 agencies under this section at no consideration
9 if the other Federal agency covers all costs and
10 assumes all potential liabilities for the use of
11 the property under the lease.

12 “(4) RECEIPTS.—

13 “(A) IN GENERAL.—Any amounts of cash
14 consideration received under this subsection
15 shall—

16 “(i) be deposited in a capital asset ac-
17 count to be established by the Secretary;
18 and

19 “(ii) be available until expended with-
20 out further appropriation for maintenance,
21 capital revitalization, and improvements of
22 USDA properties and facilities.

23 “(B) BUDGETARY TREATMENT.—For pur-
24 poses of the budget, any amounts described in
25 subparagraph (A) shall not be treated as receipt

1 of a USDA agency or the agency leasing prop-
2 erty under this section.

3 “(c) OTHER LAWS.—

4 “(1) IN GENERAL.—Property leased under this
5 section shall not be considered to be unutilized or
6 underutilized for purposes of section 501 of the
7 Stewart B. McKinney Homeless Assistance Act (42
8 U.S.C. 11411).

9 “(2) BELTSVILLE AGRICULTURAL RESEARCH
10 CENTER.—Property at the Henry A. Wallace Belts-
11 ville Agricultural Research Center that is leased
12 under this section shall not be considered to be dis-
13 posed of by sale, lease, rental, excessing, or
14 surplusing for purposes of section 523 of Public Law
15 100–202 (101 Stat. 1329–417).”.

16 **SEC. 7315. EXCHANGE/SALE AUTHORITY.**

17 Title III of the Department of Agriculture Reorga-
18 nization Act of 1994 is amended by adding after section
19 307 (as added by section 7314) the following:

20 **“SEC. 308. EXCHANGE/SALE AUTHORITY.**

21 “(a) DEFINITION OF QUALIFIED ITEMS OF PER-
22 SONAL PROPERTY.—In this section, the term ‘qualified
23 items of personal property’ means—

24 “(1) animals;

25 “(2) animal products;

1 “(3) plants; and

2 “(4) plant products.

3 “(b) GENERAL AUTHORITY.—Except as provided in
4 subsection (c), notwithstanding chapter 5 of subtitle I of
5 title 40, United States Code, the Secretary of Agriculture,
6 acting through the Under Secretary for Research, Edu-
7 cation, and Economics, in managing personal property for
8 the purpose of carrying out the research functions of the
9 Department of Agriculture, may exchange, sell, or other-
10 wise dispose of any qualified items of personal property,
11 including by way of public auction, and may retain and
12 apply the sale or other proceeds, without further appro-
13 priation, in whole or in partial payment—

14 “(1) to acquire any qualified items of personal
15 property; or

16 “(2) to offset costs related to the maintenance,
17 care, or feeding of any qualified items of personal
18 property.

19 “(c) EXCEPTION.—Subsection (b) does not apply to
20 the free dissemination of new varieties of seeds and germ
21 plasm in accordance with section 520 of the Revised Stat-
22 utes (commonly known as the ‘Department of Agriculture
23 Organic Act of 1862’) (7 U.S.C. 2201).”.

1 **SEC. 7316. CARBON CYCLE RESEARCH.**

2 (a) IN GENERAL.—To the extent funds are made
3 available, the Secretary shall provide a grant to the Con-
4 sortium for Agricultural Soils Mitigation of Greenhouse
5 Gases, acting through Kansas State University, to de-
6 velop, analyze, and implement, through the land grant uni-
7 versities described in subsection (b), carbon cycle and
8 greenhouse gas management research at the national, re-
9 gional, and local levels.

10 (b) LAND GRANT UNIVERSITIES.—The land grant
11 universities referred to in subsection (a) are—

- 12 (1) Colorado State University;
- 13 (2) Iowa State University;
- 14 (3) Kansas State University;
- 15 (4) Michigan State University;
- 16 (5) Montana State University;
- 17 (6) Purdue University;
- 18 (7) Ohio State University;
- 19 (8) Texas A&M University; and
- 20 (9) University of Nebraska.

21 (c) USE.—Land grant universities described in sub-
22 section (b) shall use funds made available under this sec-
23 tion—

- 24 (1) to conduct research to improve the scientific
25 basis of using land management practices to in-
26 crease soil carbon sequestration, including research

1 on the use of new technologies to increase carbon
2 cycle effectiveness, such as biotechnology and
3 nanotechnology;

4 (2) to conduct research on management of
5 other greenhouse gases in the agricultural sector;

6 (3) to enter into partnerships to identify, de-
7 velop, and evaluate agricultural best practices, in-
8 cluding partnerships between—

9 (A) Federal, State, or private entities; and

10 (B) the Department of Agriculture;

11 (4) to develop necessary computer models to
12 predict and assess the carbon cycle;

13 (5) to estimate and develop mechanisms to
14 measure carbon levels made available as a result
15 of—

16 (A) voluntary Federal conservation pro-
17 grams;

18 (B) private and Federal forests; and

19 (C) other land uses;

20 (6) to develop outreach programs, in coordina-
21 tion with Extension Services, to share information
22 on carbon cycle and agricultural best practices that
23 is useful to agricultural producers; and

24 (7) to collaborate with the Great Plains Re-
25 gional Earth Science Application Center to develop

1 a space-based carbon cycle remote sensing tech-
2 nology program—

3 (A) to provide, on a near-continual basis,
4 a real-time and comprehensive view of vegeta-
5 tion conditions;

6 (B) to assess and model agricultural car-
7 bon sequestration; and

8 (C) to develop commercial products.

9 (d) COOPERATIVE RESEARCH.—

10 (1) IN GENERAL.—Subject to the availability of
11 appropriations, the Secretary, in cooperation with
12 departments and agencies participating in the U.S.
13 Global Change Research Program and eligible enti-
14 ties, may carry out research to promote under-
15 standing of—

16 (A) the flux of carbon in soils and plants
17 (including trees); and

18 (B) the exchange of other greenhouse
19 gases from agriculture.

20 (2) ELIGIBLE ENTITIES.—Research under this
21 subsection may be carried out through the competi-
22 tive awarding of grants and cooperative agreements
23 to colleges and universities (as defined in section
24 1404 of the National Agricultural Research, Exten-

1 sion, and Teaching Policy Act of 1977 (7 U.S.C.
2 3103)).

3 (3) COOPERATIVE RESEARCH PURPOSES.—Re-
4 search conducted under this subsection shall encour-
5 age collaboration among scientists with expertise in
6 the areas of soil science, agronomy, agricultural eco-
7 nomics, forestry, and other agricultural sciences to
8 focus on—

9 (A) developing data addressing carbon
10 losses and gains in soils and plants (including
11 trees) and the exchange of methane and nitrous
12 oxide from agriculture;

13 (B) understanding how agricultural and
14 forestry practices affect the sequestration of
15 carbon in soils and plants (including trees) and
16 the exchange of other greenhouse gases, includ-
17 ing the effects of new technologies such as bio-
18 technology and nanotechnology;

19 (C) developing cost-effective means of
20 measuring and monitoring changes in carbon
21 pools in soils and plants (including trees), in-
22 cluding computer models;

23 (D) evaluating the linkage between Federal
24 conservation programs and carbon sequestra-
25 tion;

1 (E) developing methods, including remote
2 sensing, to measure the exchange of carbon and
3 other greenhouse gases sequestered, and to
4 evaluate leakage, performance, and permanence
5 issues; and

6 (F) assessing the applicability of the re-
7 sults of research conducted under this sub-
8 section for developing methods to account for
9 the impact of agricultural activities (including
10 forestry) on the exchange of greenhouse gases.

11 (e) EXTENSION PROJECTS.—

12 (1) IN GENERAL.—The Secretary, in coopera-
13 tion with departments and agencies participating in
14 the U.S. Global Change Research Program and local
15 extension agents, experts from institutions of higher
16 education that offer a curriculum in agricultural and
17 biological sciences, and other local agricultural or
18 conservation organizations, may implement extension
19 projects (including on-farm projects with direct in-
20 volvement of agricultural producers) that combine
21 measurement tools and modeling techniques into in-
22 tegrated packages to monitor the carbon seques-
23 tering benefits of conservation practices and the ex-
24 change of greenhouse gas emissions from agriculture

1 that demonstrate the feasibility of methods of meas-
2 uring and monitoring—

3 (A) changes in carbon content and other
4 carbon pools in soils and plants (including
5 trees); and

6 (B) the exchange of other greenhouse
7 gases.

8 (2) EDUCATION AND OUTREACH.—The Sec-
9 retary shall make available to agricultural producers,
10 private forest landowners, and appropriate State
11 agencies in each State information concerning—

12 (A) the results of projects under this sub-
13 section;

14 (B) the manner in which the methods used
15 in the projects might be applicable to the oper-
16 ations of the agricultural producers, private for-
17 est landowners, and State agencies; and

18 (C) information on how agricultural pro-
19 ducers and private forest landowners can par-
20 ticipate in carbon credit and greenhouse gas
21 trading system.

22 (f) REPEAL.—Section 221 of the Agricultural Risk
23 Protection Act of 2000 (7 U.S.C. 6711) is repealed.

1 (g) AUTHORIZATION OF APPROPRIATIONS.—There is
2 authorized to be appropriated to carry out this section
3 \$15,000,000 for each of fiscal years 2008 through 2012.

4 **Subtitle E—National Institute of**
5 **Food and Agriculture**

6 **SEC. 7401. NATIONAL INSTITUTE OF FOOD AND AGRI-**
7 **CULTURE.**

8 (a) IN GENERAL.—Subtitle F of the Department of
9 Agriculture Reorganization Act of 1994 is amended by
10 adding after section 252 (7 U.S.C. 6972) the following:

11 **“SEC. 253. NATIONAL INSTITUTE OF FOOD AND AGRI-**
12 **CULTURE.**

13 “(a) DEFINITIONS.—In this section:

14 “(1) ADVISORY BOARD.—The term ‘Advisory
15 Board’ means the National Agricultural Research,
16 Extension, Education, and Economics Advisory
17 Board established under section 1408 of the Na-
18 tional Agricultural Research, Extension, and Teach-
19 ing Policy Act of 1977 (7 U.S.C. 3123).

20 “(2) COMPETITIVE PROGRAM.—The term ‘com-
21 petitive program’ means each of the following agri-
22 cultural research, extension, education, and related
23 programs for which the Secretary has administrative
24 or other authority as of the day before the date of
25 enactment of this section:

1 “(A) The competitive grant program estab-
2 lished under section 2(b) of the Competitive,
3 Special, and Facilities Research Grant Act (7
4 U.S.C. 450i(b)), commonly known as the ‘Na-
5 tional Research Initiative Competitive Grants
6 Program’.

7 “(B) The program providing competitive
8 grants for risk management education estab-
9 lished under section 524(a)(3) of the Federal
10 Crop Insurance Act (7 U.S.C. 1524(a)(3)).

11 “(C) The program providing community
12 food project competitive grants established
13 under section 25 of the Food Stamp Act of
14 1977 (7 U.S.C. 2034).

15 “(D) Each grant program established
16 under section 2501 of the Food, Agriculture,
17 Conservation, and Trade Act of 1990 (7 U.S.C.
18 2279) providing outreach and assistance for so-
19 cially disadvantaged farmers and ranchers.

20 “(E) The program providing grants under
21 section 1417(b)(1) of the National Agricultural
22 Research, Extension, and Teaching Policy Act
23 of 1977 (7 U.S.C. 3152(b)(1)), commonly
24 known as ‘Higher Education Challenge Grants’.

1 “(F) The program providing grants and
2 related assistance established under section
3 1417(b)(5) of the National Agricultural Re-
4 search, Extension, and Teaching Policy Act of
5 1977 (7 U.S.C. 3152(b)(5)) commonly known
6 as the ‘Higher Education Multicultural Schol-
7 ars Program’.

8 “(G) The program providing food and ag-
9 ricultural sciences national needs graduate and
10 postgraduate fellowship grants established
11 under section 1417(b)(6) of the National Agri-
12 cultural Research, Extension, and Teaching
13 Policy Act of 1977 (7 U.S.C. 3152(b)(6)).

14 “(H) The program providing grants under
15 section 1417(j) of the National Agricultural Re-
16 search, Extension, and Teaching Policy Act of
17 1977 (7 U.S.C. 3152(j)), commonly known as
18 ‘Institution Challenge Grants’.

19 “(I) The program providing grants for
20 Hispanic-serving institutions established under
21 section 1455 of the National Agricultural Re-
22 search, Extension, and Teaching Policy Act of
23 1977 (7 U.S.C. 3241).

24 “(J) The program providing competitive
25 grants for international agricultural science and

1 education programs under section 1459A of the
2 National Agricultural Research, Extension, and
3 Teaching Policy Act of 1977 (7 U.S.C. 3292b).

4 “(K) The program of agricultural develop-
5 ment in the American-Pacific region established
6 under section 1473H of the National Agricul-
7 tural Research, Extension, and Teaching Policy
8 Act of 1977.

9 “(L) The research and extension projects
10 carried out under section 1621 of the Food, Ag-
11 riculture, Conservation, and Trade Act of 1990
12 (7 U.S.C. 5811), commonly known as the ‘Sus-
13 tainable Agriculture Research and Education
14 program’.

15 “(M) The biotechnology risk assessment
16 research program established under section
17 1668 of the Food, Agriculture, Conservation,
18 and Trade Act of 1990 (7 U.S.C. 5921).

19 “(N) The organic agriculture research and
20 extension initiative established under section
21 1672B of the Food, Agriculture, Conservation,
22 and Trade Act of 1990 (7 U.S.C. 5925b).

23 “(O) The Initiative for Future Agriculture
24 and Food Systems established under section
25 401 of the Agricultural Research, Extension,

1 and Education Reform Act of 1998 (7 U.S.C.
2 7621).

3 “(P) The integrated research, education,
4 and extension competitive grants program es-
5 tablished under section 406 of the Agricultural
6 Research, Extension, and Education Reform
7 Act of 1998 (7 U.S.C. 7626).

8 “(Q) The Small Business Innovation Re-
9 search Program established under section 9 of
10 the Small Business Act (15 U.S.C. 638).

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

14 “(S) The administration and management
15 of the regional bioenergy crop research program
16 carried out under section 9012 of the Farm Se-
17 curity and Rural Investment Act of 2002.

18 “(T) Other programs, including any pro-
19 grams added by amendments made by title VII
20 of the Food and Energy Security Act of 2007
21 that are competitive programs, as determined
22 by the Secretary.

23 “(3) DIRECTOR.—The term ‘Director’ means
24 the Director of the Institute.

1 “(4) INFRASTRUCTURE PROGRAM.—The term
2 ‘infrastructure program’ means each of the following
3 agricultural research, extension, education, and re-
4 lated programs for which the Secretary has adminis-
5 trative or other authority as of the day before the
6 date of enactment of this section:

7 “(A) Each program providing funding to
8 any of the 1994 Institutions under sections
9 533, 534(a), and 535 of the Equity in Edu-
10 cational Land-Grant Status Act of 1994 (7
11 U.S.C. 301 note; Public Law 103–382) (com-
12 monly known as ‘financial assistance, technical
13 assistance, and endowments to tribal colleges
14 and Navajo Community College’).

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

20 “(C) Each program established under sub-
21 sections (b), (c), and (d) of section 3 of the
22 Smith-Lever Act (7 U.S.C. 343).

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

1 “(E) Each program established under sec-
2 tion 1417(b)(4) of the National Agricultural
3 Research, Extension, and Teaching Policy Act
4 of 1977 (7 U.S.C. 3152(b)(4)), including grant
5 programs under that section (commonly known
6 as the ‘1890 Institution Teaching and Research
7 Capacity Building Grants Program’).

8 “(F) The animal health and disease re-
9 search program established under subtitle E of
10 the National Agricultural Research, Extension,
11 and Teaching Policy Act of 1977 (7 U.S.C.
12 3191 et seq.).

13 “(G) Each extension program available to
14 1890 Institutions established under sections
15 1444 and 1464 of the National Agricultural Re-
16 search, Extension, and Teaching Policy Act of
17 1977 (7 U.S.C. 3221, 3312).

18 “(H) The program established under sec-
19 tion 1445 of the National Agricultural Re-
20 search, Extension, and Teaching Policy Act of
21 1977 (7 U.S.C. 3222) (commonly known as the
22 ‘Evans-Allen Program’).

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

1 1447 of the National Agricultural Research,
2 Extension, and Teaching Policy Act of 1977 (7
3 U.S.C. 3222b).

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

9 “(K) The program providing resident in-
10 struction grants for insular areas established
11 under section 1491 of the National Agricultural
12 Research, Extension, and Teaching Policy Act
13 of 1977 (7 U.S.C. 3363).

14 “(L) Each program available to 1890 In-
15 stitutions established under section 406 of the
16 Agricultural Research, Extension, and Edu-
17 cation Reform Act of 1998 (7 U.S.C. 7626).

18 “(M) The program providing competitive
19 extension grants to eligible 1994 Institutions
20 under section 1464 of National Agricultural Re-
21 search, Extension, and Teaching Policy Act of
22 1977 (7 U.S.C. 3312) and the Equity in Edu-
23 cational Land-Grant Status Act of 1994 (Public
24 Law 103–382; 7 U.S.C. 301 note) established
25 under section 406 of the Agricultural Research,

1 Extension, and Education Reform Act of 1998
2 (7 U.S.C. 7626).

3 “(N) Each research and development and
4 related program established under Public Law
5 87–788 (commonly known as the ‘McIntire-
6 Stennis Cooperative Forestry Act’) (16 U.S.C.
7 582a et seq.).

8 “(O) Each program established under the
9 Renewable Resources Extension Act of 1978
10 (16 U.S.C. 1671 et seq.).

11 “(P) Each program providing funding to
12 Hispanic-serving agricultural colleges under sec-
13 tion 1456 of the National Agricultural Re-
14 search, Extension and Teaching Policy Act of
15 1977.

16 “(Q) The administration and management
17 of the farm energy education and technical as-
18 sistance program carried out under section
19 9005 of the Farm Security and Rural Invest-
20 ment Act of 2002.

21 “(R) Other programs, including any pro-
22 grams added by amendments made by title VII
23 of the Food and Energy Security Act of 2007
24 that are infrastructure programs, as determined
25 by the Secretary.

1 “(5) INSTITUTE.—The term ‘Institute’ means
2 the National Institute of Food and Agriculture es-
3 tablished by subsection (b)(1)(A).

4 “(b) ESTABLISHMENT OF NATIONAL INSTITUTE FOR
5 FOOD AND AGRICULTURE.—

6 “(1) ESTABLISHMENT.—

7 “(A) IN GENERAL.—There is established
8 within the Department an agency to be known
9 as the ‘National Institute of Food and Agri-
10 culture’.

11 “(B) LOCATION.—The location of the In-
12 stitute shall be in Washington, District of Co-
13 lumbia, as determined by the Secretary.

14 “(C) MEMBERS.—The Institute shall con-
15 sist of—

16 “(i) the Director;

17 “(ii) the individual offices established
18 under subsection (e); and

19 “(iii) the staff and employees of Na-
20 tional Institute for Food and Agriculture.

21 “(2) TRANSFER OF AUTHORITIES.—There are
22 transferred to the Institute the authorities (including
23 all budget authorities and personnel), duties, obliga-
24 tions, and related legal and administrative functions
25 prescribed by law or otherwise granted to the Sec-

1 retary, the Department, or any other agency or offi-
2 cial of the Department under—

3 “(A) the infrastructure programs;

4 “(B) the competitive programs;

5 “(C) the research, education, economic, co-
6 operative State research programs, cooperative
7 extension and education programs, international
8 programs, and other functions and authorities
9 delegated by the Secretary to the Administrator
10 of the Cooperative State Research, Education,
11 and Extension Service pursuant to section 2.66
12 of title 7, Code of Federal Regulations (or suc-
13 cessor regulations); and

14 “(D) any and all other authorities adminis-
15 tered by the Administrator of the Cooperative
16 State Research, Education, and Extension Serv-
17 ice.

18 “(3) CONSOLIDATION OF AUTHORITIES.—To
19 carry out this Act, in accordance with the transfer
20 and continuation of the authorities, budgetary func-
21 tions, and personnel resources under this subsection,
22 the administrative entity within the Department
23 known as the Cooperative State Research, Edu-
24 cation, and Extension Service shall terminate on the
25 earlier of—

1 “(A) October 1, 2008; or

2 “(B) such earlier date as the Director de-
3 termines to be appropriate.

4 “(c) DIRECTOR.—

5 “(1) IN GENERAL.—The Institute shall be
6 headed by a Director, who shall be an individual who
7 is—

8 “(A) a distinguished scientist; and

9 “(B) appointed by the President, by and
10 with the advice and consent of the Senate.

11 “(2) TERM.—The Director shall serve for a sin-
12 gle, 6-year term.

13 “(3) SUPERVISION.—The Director shall report
14 directly to the Secretary.

15 “(4) COMPENSATION.—The Director shall re-
16 ceive basic pay at the rate provided for level II of
17 the Executive Schedule under section 5513 of title
18 5, United States Code.

19 “(5) AUTHORITY AND RESPONSIBILITIES OF DI-
20 RECTOR.—

21 “(A) IN GENERAL.—Except as otherwise
22 specifically provided in this section, the Director
23 shall—

24 “(i) exercise all of the authority pro-
25 vided to the Institute by this section;

1 “(ii) formulate programs in accord-
2 ance with policies adopted by the Institute;

3 “(iii) establish offices within the Insti-
4 tute;

5 “(iv) establish procedures for the peer
6 review of research funded by the Institute;

7 “(v) establish procedures for the pro-
8 vision and administration of grants by the
9 Institute in accordance with this section;

10 “(vi) assess the personnel needs of ag-
11 ricultural research in the areas supported
12 by the Institute, and, if determined to be
13 appropriate by the Director, for other
14 areas of food and agricultural research;

15 “(vii) plan programs that will help
16 meet agricultural personnel needs in the
17 future, including portable fellowship and
18 training programs in fundamental agricul-
19 tural research and fundamental science;
20 and

21 “(viii) consult regularly with the Na-
22 tional Agricultural Research, Extension,
23 Education, and Economics Advisory
24 Board.

1 “(B) FINALITY OF ACTIONS.—An action
2 taken by the Director in accordance with this
3 section shall be final and binding upon the In-
4 stitute.

5 “(C) DELEGATION AND REDELEGATION OF
6 FUNCTIONS.—

7 “(i) IN GENERAL.—Except as pro-
8 vided in clause (ii), the Director may, from
9 time to time and as the Director considers
10 to be appropriate, authorize the perform-
11 ance by any other officer, agency, or em-
12 ployee of the Institute of any of the func-
13 tions of the Director under this section.

14 “(ii) CONTRACTS, GRANTS, AND
15 OTHER ARRANGEMENTS.—The Director
16 may enter into contracts and other ar-
17 rangements, and provide grants, in accord-
18 ance with this section.

19 “(iii) FORMULATION OF PROGRAMS.—
20 The formulation of programs in accordance
21 with the policies of the Institute shall be
22 carried out by the Director.

23 “(6) STAFF.—The Director shall recruit and
24 hire such senior staff and other personnel as are

1 necessary to assist the Director in carrying out this
2 section.

3 “(7) REPORTING AND CONSULTATION.—The
4 Director shall—

5 “(A) periodically report to the Secretary
6 with respect to activities carried out by the In-
7 stitute; and

8 “(B) consult regularly with the Secretary
9 to ensure, to the maximum extent practicable,
10 that—

11 “(i) research of the Institute is rel-
12 evant to agriculture in the United States
13 and otherwise serves the national interest;
14 and

15 “(ii) the research of the Institute sup-
16 plements and enhances, and does not re-
17 place, research conducted or funded by—

18 “(I) other agencies of the De-
19 partment;

20 “(II) the National Science Foun-
21 dation; or

22 “(III) the National Institutes of
23 Health.

24 “(d) POWERS.—

1 “(1) IN GENERAL.—The Institute shall have
2 such authority as is necessary to carry out this sec-
3 tion, including the authority—

4 “(A) to promulgate such regulations as the
5 Institute considers to be necessary for govern-
6 ance of operations, organization, and personnel;

7 “(B) to make such expenditures as are
8 necessary to carry out this section;

9 “(C) to enter into contracts or other ar-
10 rangements, or modifications of contracts or
11 other arrangements—

12 “(i) to provide for the conduct, by or-
13 ganizations or individuals in the United
14 States (including other agencies of the De-
15 partment, Federal agencies, and agencies
16 of foreign countries), of such agricultural
17 research or related activities as the Insti-
18 tute considers to be necessary to carry out
19 this section; and

20 “(ii) for the conduct of such specific
21 agricultural research as is in the national
22 interest or is otherwise of critical impor-
23 tance, as determined by the Secretary,
24 with the concurrence of the Institute;

1 “(D) to make advance, progress, and other
2 payments relating to research and scientific ac-
3 tivities without regard to subsections (a) and
4 (b) of section 3324 of title 31, United States
5 Code;

6 “(E) to receive and use donated funds, if
7 the funds are donated without restriction other
8 than that the funds be used in furtherance of
9 1 or more of the purposes of the Institute;

10 “(F) to publish or arrange for the publica-
11 tion of research and scientific information to
12 further the full dissemination of information of
13 scientific value consistent with the national in-
14 terest, without regard to section 501 of title 44,
15 United States Code;

16 “(G)(i) to accept and use the services of
17 voluntary and uncompensated personnel; and

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

22 “(H) to prescribe, with the approval of the
23 Comptroller General of the United States, the
24 extent to which vouchers for funds expended
25 under contracts for scientific or engineering re-

1 search shall be subject to itemization or sub-
2 stantiation prior to payment, without regard to
3 the limitations of other laws relating to the ex-
4 penditure and accounting of public funds;

5 “(I) to reimburse the Secretary, and the
6 heads of other Federal agencies, for the per-
7 formance of any activity that the Institute is
8 authorized to conduct; and

9 “(J) to enter into contracts, at the request
10 of the Secretary, for the carrying out of such
11 specific agricultural research as is in the na-
12 tional interest or otherwise of critical impor-
13 tance, as determined by the Secretary, with the
14 consent of the Institute.

15 “(2) TRANSFER OF RESEARCH FUNDS OF
16 OTHER DEPARTMENTS OR AGENCIES.—Funds avail-
17 able to the Secretary, or any other department or
18 agency of the Federal Government, for agricultural
19 or scientific research shall be—

20 “(A) available for transfer, with the ap-
21 proval of the Secretary or the head of the other
22 appropriate department or agency involved, in
23 whole or in part, to the Institute for use in pro-
24 viding grants in accordance with the purposes
25 for which the funds were made available; and

1 and has the potential for broad, rath-
2 er than specific, application; and

3 “(II) has an effect on agri-
4 culture, food, nutrition, human health,
5 or another purpose of this section.

6 “(ii) ESTABLISHMENT.—The Director
7 shall establish within the Institute an Of-
8 fice of Competitive Programs for Funda-
9 mental Research (referred to in this sub-
10 paragraph as the ‘Office’).

11 “(iii) DUTIES.—At the discretion of
12 the Director, the Office shall have respon-
13 sibility for all competitive programs relat-
14 ing to fundamental research.

15 “(C) OFFICE OF COMPETITIVE PROGRAMS
16 FOR APPLIED RESEARCH.—

17 “(i) DEFINITION OF APPLIED RE-
18 SEARCH.—In this subparagraph, the term
19 ‘applied research’ means research that ex-
20 pands on the findings of fundamental re-
21 search to uncover practical ways in which
22 new knowledge can be advanced to benefit
23 individuals and society.

24 “(ii) ESTABLISHMENT.—The Director
25 shall establish within the Institute an Of-

1 fice of Competitive Programs for Applied
2 Research (referred to in this subparagraph
3 as the ‘Office’).

4 “(iii) DUTIES.—At the discretion of
5 the Director, the Office shall have respon-
6 sibility for all competitive programs relat-
7 ing to applied research.

8 “(D) OFFICE OF COMPETITIVE PROGRAMS
9 FOR EDUCATION AND OTHER PURPOSES.—

10 “(i) ESTABLISHMENT.—The Director
11 shall establish within the Institute an Of-
12 fice of Competitive Programs for Edu-
13 cation and Other Purposes (referred to in
14 this subparagraph as the ‘Office’)

15 “(ii) DUTIES.—At the discretion of
16 the Director, the Office shall have respon-
17 sibility for all competitive programs that
18 provide education fellowships and other
19 education-related grants.

20 “(2) COMPETITIVE PROGRAMS FOR FUNDA-
21 MENTAL AND APPLIED RESEARCH.—

22 “(A) DEFINITION OF A COMPETITIVE PRO-
23 GRAM FOR FUNDAMENTAL AND APPLIED RE-
24 SEARCH.—In this paragraph, the term ‘com-

1 petitive program for fundamental and applied
2 research’ means—

3 “(i) the competitive grant program es-
4 tablished under section 2 of the Competi-
5 tive, Special, and Facilities Research Grant
6 Act (7 U.S.C. 450i), commonly known as
7 the ‘National Research Initiative Competi-
8 tive Grants Program’; and

9 “(ii) any other competitive program
10 within the Institute that funds both funda-
11 mental and applied research, as deter-
12 mined by the Director.

13 “(B) PROGRAM ALLOCATIONS.—For pur-
14 poses of determining which Office established
15 under paragraph (1) should have primary re-
16 sponsibility for administering grants under a
17 competitive program for fundamental and ap-
18 plied research, the Director shall—

19 “(i) determine whether the grant
20 under the competitive program for funda-
21 mental and applied research is principally
22 related to fundamental or applied research;
23 and

24 “(ii) assign the grant to the appro-
25 priate Office.

1 “(3) RESPONSIBILITY OF THE DIRECTOR.—The
2 Director shall ensure that the Offices established
3 under paragraph (1) coordinate with each other Of-
4 fice for maximum efficiency.

5 “(f) REPORTING.—The Director shall submit to the
6 Secretary, the Committee on Agriculture and the Com-
7 mittee on Appropriations of the House of Representatives,
8 and the Committee on Agriculture, Nutrition, and For-
9 estry and the Committee on Appropriations of the Sen-
10 ate—

11 “(1) not later than 1 year after the date of es-
12 tablishment of the Institute, and biennially there-
13 after, a comprehensive report that—

14 “(A) describes the research funded and
15 other activities carried out by the Institute dur-
16 ing the period covered by the report; and

17 “(B) describes each contract or other ar-
18 rangement that the Institute has entered into,
19 each grant awarded to the Institute, and each
20 other action of the Director taken, under sub-
21 section (c)(5)(C)(ii); and

22 “(2) not later than 1 year after the date of es-
23 tablishment of the Institute, and annually thereafter,
24 a report that describes the allocation and use of
25 funds under subsection (g)(2) of section 401 of the

1 Agricultural Research, Extension, and Education
2 Reform Act of 1998 (7 U.S.C. 7621).

3 “(g) FUNDING.—

4 “(1) IN GENERAL.—In addition to funds other-
5 wise appropriated to carry out each program admin-
6 istered by the Institute, there are authorized to be
7 appropriated such sums as are necessary to carry
8 out this section for each fiscal year.

9 “(2) ALLOCATION.—Funding made available
10 under paragraph (1) shall be allocated according to
11 recommendations contained in the roadmap de-
12 scribed in section 309(c)(1)(A).”.

13 (b) NATIONAL AGRICULTURAL RESEARCH, EXTEN-
14 SION, AND TEACHING POLICY ACT OF 1977.—Section
15 1408(b) of the National Agricultural Research, Extension,
16 and Teaching Policy Act of 1977 (7 U.S.C. 3123(b)) is
17 amended—

18 (1) in paragraph (1), by striking “31 members”
19 and inserting “24 members”;

20 (2) by striking paragraph (3) and inserting the
21 following:

22 “(3) MEMBERSHIP CATEGORIES.—The Advisory
23 Board shall consist of members from each of the fol-
24 lowing categories:

1 “(A) 1 member representing a national
2 farm organization.

3 “(B) 1 member representing farm coopera-
4 tives.

5 “(C) 1 member actively engaged in the
6 production of a food animal commodity.

7 “(D) 1 member actively engaged in the
8 production of a plant commodity.

9 “(E) 1 member actively engaged in aqua-
10 culture.

11 “(F) 1 member representing a national
12 food animal science society.

13 “(G) 1 member representing a national
14 crop, soil, agronomy, horticulture, plant pathol-
15 ogy, or weed science society.

16 “(H) 1 member representing a national
17 food science organization.

18 “(I) 1 member representing a national
19 human health association.

20 “(J) 1 member representing a national nu-
21 tritional science society.

22 “(K) 1 member representing the land-
23 grant colleges and universities eligible to receive
24 funds under the Act of July 2, 1862 (7 U.S.C.
25 301 et seq.).

1 “(L) 1 member representing the land-
2 grant colleges and universities eligible to receive
3 funds under the Act of August 30, 1890 (7
4 U.S.C. 321 et seq.), including Tuskegee Univer-
5 sity.

6 “(M) 1 member representing the 1994 In-
7 stitutions (as defined in section 532 of the Eq-
8 uity in Educational Land-Grant Status Act of
9 1994 (Public Law 103–382; 7 U.S.C. 301
10 note)).

11 “(N) 1 member representing Hispanic-
12 serving institutions.

13 “(O) 1 member representing the American
14 Colleges of Veterinary Medicine.

15 “(P) 1 member engaged in the transpor-
16 tation of food and agricultural products to do-
17 mestic and foreign markets.

18 “(Q) 1 member representing food retailing
19 and marketing interests.

20 “(R) 1 member representing food and fiber
21 processors.

22 “(S) 1 member actively engaged in rural
23 economic development.

24 “(T) 1 member representing a national
25 consumer interest group.

1 “(U) 1 member representing a national
2 forestry group.

3 “(V) 1 member representing a national
4 conservation or natural resource group.

5 “(W) 1 member representing private sector
6 organizations involved in international develop-
7 ment.

8 “(X) 1 member representing a national so-
9 cial science association.”; and

10 (3) in paragraph (4), by striking “the Adminis-
11 trator of the Cooperative State Research, Education,
12 and Extension Service” and inserting “the Director
13 of the National Institute of Food and Agriculture”.

14 (c) CONFORMING AMENDMENTS.—

15 (1) Section 296(b) of the Department of Agri-
16 culture Reorganization Act of 1994 (7 U.S.C.
17 7014(b)) is amended—

18 (A) in paragraph (4), by striking “or” at
19 the end;

20 (B) in paragraph (5), by striking the pe-
21 riod at the end and inserting “; or”; and

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

23 “(6) the authority of the Secretary relating to
24 the National Institute of Food and Agriculture
25 under section 253.”.

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

3 (A) in section 1424A(b) (7 U.S.C.
4 3174a(b)), by striking “the Cooperative State
5 Research, Education, and Extension Service”
6 and inserting “the National Institute of Food
7 and Agriculture”; and

8 (B) in section 1458(a)(10) (7 U.S.C.
9 3291(a)(10)), by striking “the Cooperative
10 State Research, Education, and Extension Service”
11 and inserting “the National Institute of
12 Food and Agriculture”.

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

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

24 (5) Section 306(a)(11)(C) of the Consolidated
25 Farm and Rural Development Act (7 U.S.C.

1 1926(a)(11)(C)) is amended by striking “the Coop-
2 erative State Research, Education, and Extension
3 Service” and inserting “the National Institute of
4 Food and Agriculture”.

5 (6) Section 704 of the Agriculture, Rural De-
6 velopment, Food and Drug Administration, and Re-
7 lated Agencies Appropriations Act, 2006 (7 U.S.C.
8 2209b), is amended by striking “Cooperative State
9 Research, Education, and Extension Service” and
10 inserting “the National Institute of Food and Agri-
11 culture”.

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

16 “(vi) the National Institute of Food
17 and Agriculture.”.

18 (8) Section 1499(e) of the Food, Agriculture,
19 Conservation, and Trade Act of 1990 (7 U.S.C.
20 5506(e)) is amended by striking “the Cooperative
21 State Research Service” and inserting “the National
22 Institute of Food and Agriculture”.

23 (9) Section 1622 of the Food, Agriculture, Con-
24 servation, and Trade Act of 1990 (7 U.S.C. 5812)
25 is amended—

1 (A) in subsection (a)(1), by striking “the
2 Cooperative State Research Service” and insert-
3 ing “the National Institute of Food and Agri-
4 culture”; and

5 (B) in subsection (b)(1), by striking sub-
6 paragraph (B) and inserting the following:

7 “(B) the National Institute of Food and
8 Agriculture;”.

9 (10) Section 1668(b) of the Food, Agriculture,
10 Conservation, and Trade Act of 1990 (7 U.S.C.
11 5921(b)) is amended by striking “Cooperative State
12 Research, Education, and Extension Service and the
13 Agricultural Research Service” and inserting “the
14 National Institute of Food and Agriculture”.

15 (11) Section 1670(a)(4) of the Food, Agri-
16 culture, Conservation, and Trade Act of 1990 (7
17 U.S.C. 5923(a)(4)) is amended by striking “the Ad-
18 ministrator of the Cooperative State Research, Edu-
19 cation, and Extension Service” and inserting “the
20 Director of the National Institute of Food and Agri-
21 culture”.

22 (12) Section 537 of the Federal Agriculture Im-
23 provement and Reform Act of 1996 (7 U.S.C. 7446)
24 is amended in each of subsections (a)(2) and
25 (b)(3)(B)(i) by striking “Cooperative State Re-

1 search, Education, and Extension Service” and in-
2 sserting “the National Institute of Food and Agri-
3 culture”.

4 (13) Section 103(a) of the Agricultural Re-
5 search, Extension, and Education Reform Act of
6 1998 (7 U.S.C. 7613(a)) is amended—

7 (A) in the subsection heading, by striking
8 “COOPERATIVE STATE RESEARCH, EDUCATION,
9 AND EXTENSION SERVICE” and inserting “NA-
10 TIONAL INSTITUTE OF FOOD AND AGRI-
11 CULTURE”; and

12 (B) in each of paragraphs (1) and (2)(A),
13 by striking “the Cooperative State Research,
14 Education, and Extension Service” and insert-
15 ing “the National Institute of Food and Agri-
16 culture”.

17 (14) Section 401(f)(5) of the Agricultural Re-
18 search, Extension, and Education Reform Act of
19 1998 (7 U.S.C. 7621(f)(5)) is amended by striking
20 “the Cooperative State Research, Education, and
21 Extension Service” and inserting “the National In-
22 stitute of Food and Agriculture”.

23 (15) Section 407(c) of the Agricultural Re-
24 search, Extension, and Education Reform Act of
25 1998 (7 U.S.C. 7627(c)) is amended by striking

1 “the Cooperative State Research, Education, and
2 Extension Service” and inserting “the National In-
3 stitute of Food and Agriculture”.

4 (16) Section 410(a) of the Agricultural Re-
5 search, Extension, and Education Reform Act of
6 1998 (7 U.S.C. 7630(a)) is amended by striking
7 “the Administrator of the Cooperative State Re-
8 search, Education, and Extension Service” and in-
9 serting “the Director of the National Institute of
10 Food and Agriculture”.

11 (17) Section 307(g)(5) of the Agricultural Risk
12 Protection Act of 2000 (7 U.S.C. 8606(g)(5)) is
13 amended by striking “Administrator of the Coopera-
14 tive State Research, Education, and Extension Serv-
15 ice” and inserting “the Director of the National In-
16 stitute of Food and Agriculture”.

17 (18) Section 6(b) of the Cooperative Forestry
18 Assistance Act of 1978 (16 U.S.C. 2103b(b)) is
19 amended by striking “the Cooperative State Re-
20 search, Education, and Extension Service, may pro-
21 vide technical, financial, and related assistance to
22 State foresters, equivalent State officials, or Cooper-
23 ative Extension officials” and inserting “the Na-
24 tional Institute of Food and Agriculture, may pro-
25 vide technical, financial and related assistance to

1 State foresters, equivalent State officials, and Insti-
2 tute officials”.

3 (19) Section 19 of the Cooperative Forestry As-
4 sistance Act of 1978 (16 U.S.C. 2113) is amended
5 in subsections (a)(2) and (b)(1)(B)(i), by striking
6 “Extension Service,” each place it appears and in-
7 sserting “National Institute of Food and Agri-
8 culture,”.

9 (20) Section 105(a) of the Africa: Seeds of
10 Hope Act of 1998 (22 U.S.C. 2293 note; Public Law
11 105–385) is amended by striking “the Cooperative
12 State Research, Education, and Extension Service
13 (CSREES)” and inserting “the National Institute of
14 Food and Agriculture”.

15 (21) Section 307(a)(4) of the National Aero-
16 nautic and Space Administration Authorization Act
17 of 2005 (42 U.S.C. 16657(a)(4)) is amended by
18 striking subparagraph (B) and inserting the fol-
19 lowing:

20 “(B) the program and structure of, peer
21 review process of, management of conflicts of
22 interest by, compensation of reviewers of, and
23 the effects of compensation on reviewer effi-
24 ciency and quality within, the National Institute

1 of Food and Agriculture of the Department of
2 Agriculture;”.

3 **SEC. 7402. COORDINATION OF AGRICULTURAL RESEARCH**
4 **SERVICE AND NATIONAL INSTITUTE OF FOOD**
5 **AND AGRICULTURE.**

6 Title III of the Department of Agriculture Reorga-
7 nization Act of 1994 is amended by adding after section
8 308 (as added by section 7315) the following:

9 **“SEC. 309. COORDINATION OF AGRICULTURAL RESEARCH**
10 **SERVICE AND NATIONAL INSTITUTE OF FOOD**
11 **AND AGRICULTURE.**

12 “(a) IN GENERAL.—The Undersecretary for Re-
13 search, Education, and Economics shall coordinate the
14 programs under the authority of the Administrator of the
15 Agricultural Research Service and the Director of the Na-
16 tional Institute of Food and Agriculture, and the staff of
17 the Administrator and the Director, including national
18 program leaders, shall meet on a regular basis to—

19 “(1) increase coordination and integration of
20 research programs at the Agricultural Research
21 Service and the research, extension, and education
22 programs of the National Institute of Food and Ag-
23 riculture;

24 “(2) coordinate responses to emerging issues;

1 “(3) minimize duplication of work and re-
2 sources at the staff level of each agency;

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

5 “(5) address critical needs facing agriculture;
6 and

7 “(6) focus the research, extension, and edu-
8 cation funding strategy of the Department.

9 “(b) REPORTS.—Not later than 270 days after the
10 date of enactment of this section, and annually thereafter,
11 the Secretary shall submit to the Committee on Agri-
12 culture of the House of Representatives and the Com-
13 mittee on Agriculture, Nutrition, and Forestry of the Sen-
14 ate a report describing efforts to increase coordination be-
15 tween the Agricultural Research Service and the National
16 Institute for Food and Agriculture.

17 “(c) ROADMAP.—

18 “(1) IN GENERAL.—Not later than 180 days
19 after the date of enactment of this section, the Sec-
20 retary, acting through the Under Secretary for Re-
21 search, Education, and Economics shall—

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

24 “(i) identifies major opportunities and
25 gaps in agricultural research, extension,

1 and education that no single entity in the
2 Department would be able to carry out in-
3 dividually, but that is necessary to carry
4 out agricultural research;

5 “(ii) involves—

6 “(I) stakeholders from across the
7 Federal Government;

8 “(II) stakeholders from across
9 the full array of nongovernmental en-
10 tities; and

11 “(III) the National Agricultural
12 Research, Extension, Education, and
13 Economics Advisory Board established
14 under section 1408 of the National
15 Agricultural Research, Extension, and
16 Teaching Policy Act of 1977 (7
17 U.S.C. 3123);

18 “(iii) incorporates roadmaps for agri-
19 cultural research made publicly available
20 by other Federal entities, agencies, or of-
21 fices; and

22 “(iv) describes recommended funding
23 levels for areas of agricultural research, ex-
24 tension, and education, including—

25 “(I) competitive programs; and

1 “(II) infrastructure programs,
2 with attention to the future growth
3 needs of small 1862 Institutions,
4 1890 Institutions, and 1994 Institu-
5 tions (as those terms are defined in
6 section 2 of the Agricultural Re-
7 search, Extension, and Education Re-
8 form Act of 1998 (7 U.S.C. 7601)),
9 Hispanic-serving agricultural colleges
10 (as defined in section 1456(a) of the
11 National Agricultural Research, Ex-
12 tension and Teaching Policy Act of
13 1977), and any other public college or
14 university that is not such an institu-
15 tion or college but that offers a bacca-
16 laureate or higher degree in the study
17 of agriculture;

18 “(B) use the roadmap to set the research,
19 extension, and education agenda of the Depart-
20 ment; and

21 “(C) submit a description of the roadmap
22 to the Committee on Agriculture of the House
23 of Representatives and the Committee on Agri-
24 culture, Nutrition, and Forestry of the Senate.

1 “(2) IMPLEMENTATION.—The Secretary, acting
2 through the Under Secretary, shall implement, to
3 the maximum extent practicable, the roadmap.

4 “(3) FUNDING.—There are authorized to be ap-
5 propriated such sums as are necessary to carry out
6 this subsection.”.

7 **Subtitle F—Miscellaneous**

8 **SEC. 7501. JOINT NUTRITION MONITORING AND RELATED** 9 **RESEARCH ACTIVITIES.**

10 The Secretary and the Secretary of Health and
11 Human Services shall continue to provide jointly for na-
12 tional nutrition monitoring and related research activities
13 carried out as of the date of enactment of this Act—

14 (1) to collect continuous data relating to diet,
15 health, physical activity, and knowledge about diet
16 and health, using a nationally-representative sample;

17 (2) to periodically collect data described in
18 paragraph (1) on special at-risk populations, as
19 identified by the Secretaries;

20 (3) to distribute information on health, nutri-
21 tion, the environment, and physical activity to the
22 public in a timely manner;

23 (4) to analyze new data as the data becomes
24 available;

1 (5) to continuously update food composition ta-
2 bles; and

3 (6) to research and develop data collection
4 methods and standards.

5 **SEC. 7502. DEMONSTRATION PROJECT AUTHORITY FOR**
6 **TEMPORARY POSITIONS.**

7 Notwithstanding section 4703(d)(1) of title 5, United
8 States Code, the amendment to the personnel manage-
9 ment demonstration project established in the Department
10 of Agriculture (67 Fed. Reg. 70776 (2002)), shall become
11 effective upon the date of enactment of this Act and shall
12 remain in effect unless modified by law.

13 **SEC. 7503. REVIEW OF PLAN OF WORK REQUIREMENTS.**

14 (a) REVIEW.—The Secretary of Agriculture (referred
15 to in this section as the “Secretary”) shall work with uni-
16 versity partners in extension and research to review and
17 identify measures to streamline the submission, reporting
18 under, and implementation of plan of work requirements
19 including requirements under—

20 (1) sections 1444(d) and 1445(c) of the Na-
21 tional Agricultural Research, Extension, and Teach-
22 ing Policy Act of 1977 (7 U.S.C. 3221(d), 3222(c));

23 (2) section 7 of the Hatch Act of 1887 (7
24 U.S.C. 361g); and

1 (3) section 4 of the Smith-Lever Act (7 U.S.C.
2 344).

3 (b) REPORT.—

4 (1) IN GENERAL.—Not later than 180 days
5 after the date of enactment of this Act, the Sec-
6 retary shall submit to the Committee on Agriculture
7 of the House of Representatives and the Committee
8 on Agriculture, Nutrition, and Forestry of the Sen-
9 ate a report describing the results of the review con-
10 ducted under subsection (a).

11 (2) INCLUSIONS.—The report shall include rec-
12 ommendations—

13 (A) to reduce the administrative burden
14 and workload on institutions associated with
15 plan of work compliance while meeting the re-
16 porting needs of the Department of Agriculture
17 for input, output, and outcome indicators;

18 (B) to streamline the submission and re-
19 porting requirements of the plan of work so
20 that the plan of work is of practical utility to
21 both the Department of Agriculture and the in-
22 stitutions; and

23 (C) for any legislative changes necessary to
24 carry out the plan of work improvements.

1 (c) CONSULTATION.—In carrying out this section, the
2 Secretary shall consult with land-grant colleges and uni-
3 versities (as defined in section 1404 of the National Agri-
4 cultural Research, Extension, and Teaching Policy Act of
5 1977 (7 U.S.C. 3103)).

6 **SEC. 7504. STUDY AND REPORT ON ACCESS TO NUTRITIOUS**
7 **FOODS.**

8 (a) IN GENERAL.—The Secretary shall carry out a
9 study of, and prepare a report on, areas in the United
10 States with limited access to affordable and nutritious
11 food, with a particular focus on predominantly lower-in-
12 come neighborhoods and communities.

13 (b) CONTENTS.—The study and report shall—

14 (1) assess the incidence and prevalence of areas
15 with limited access to affordable and nutritious food
16 in the United States;

17 (2) identify—

18 (A) characteristics and factors causing and
19 influencing those areas; and

20 (B) the effect on local populations of lim-
21 ited access to affordable and nutritious food;
22 and

23 (3) develop recommendations for addressing the
24 causes and influences of those areas through meas-
25 ures including—

1 (A) community and economic development
2 initiatives;

3 (B) incentives for retail food market devel-
4 opment, including supermarkets, small grocery
5 stores, and farmers' markets; and

6 (C) improvements to Federal food assist-
7 ance and nutrition education programs.

8 (c) COORDINATION WITH OTHER AGENCIES AND OR-
9 GANIZATIONS.—The Secretary shall conduct the study
10 under this section in coordination and consultation with—

11 (1) the Secretary of Health and Human Serv-
12 ices;

13 (2) the Administrator of the Small Business
14 Administration;

15 (3) the Institute of Medicine; and

16 (4) representatives of appropriate businesses,
17 academic institutions, and nonprofit and faith-based
18 organizations.

19 (d) REPORT TO CONGRESS.—Not later than 1 year
20 after the date of enactment of this Act, the Secretary shall
21 submit the report prepared under this section, including
22 the findings and recommendations described in subsection
23 (b), to—

24 (1) the Committee on Agriculture of the House
25 of Representatives; and

- 1 (2) the Committee on Agriculture, Nutrition,
- 2 and Forestry of the Senate.