

110TH CONGRESS  
1ST SESSION

# H. R. 2398

To reauthorize and provide additional funding for essential agricultural research, extension, education, and related programs, to establish the National Institutes for Food and Agriculture as an independent agency reporting to and coordinating with the Secretary of Agriculture, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

MAY 21, 2007

Mr. BARROW (for himself, Mr. BISHOP of Georgia, Mr. SPACE, and Mr. SCOTT of Georgia) introduced the following bill; which was referred to the Committee on Agriculture

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## A BILL

To reauthorize and provide additional funding for essential agricultural research, extension, education, and related programs, to establish the National Institutes for Food and Agriculture as an independent agency reporting to and coordinating with the Secretary of Agriculture, and for other purposes.

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

3 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

4 (a) SHORT TITLE.—This Act may be cited as the  
5 “Creating Research Extension and Teaching Excellence

1 for the 21st Century Act of 2007” or the “CREATE-21  
2 Act of 2007”.

3 (b) TABLE OF CONTENTS.—The table of contents of  
4 this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. Purposes.
- Sec. 3. Definitions.

#### TITLE I—NATIONAL INSTITUTES FOR FOOD AND AGRICULTURE

- Sec. 101. Establishment of National Institutes for Food and Agriculture.
- Sec. 102. Offices; administration.
- Sec. 103. Organization of National Institutes for Food and Agriculture.
- Sec. 104. Funding.
- Sec. 105. Enhanced funding.
- Sec. 106. Single budget submission.
- Sec. 107. Capacity building grants for ASCARR Institutions.

#### TITLE II—MODIFICATIONS

- Sec. 201. Merit Review of Extension and Educational Grants.
- Sec. 202. Repeal plan of work requirements.
- Sec. 203. Indirect costs.

#### TITLE III—EXTENSIONS

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

- Sec. 301. Grants and fellowships for food and agricultural sciences education.
- Sec. 302. Grants for research on production and marketing of alcohols and industrial hydrocarbons from agricultural commodities and forest products.
- Sec. 303. Policy research centers.
- Sec. 304. Human nutrition intervention and health promotion research program.
- Sec. 305. Pilot research program to combine medical and agricultural research.
- Sec. 306. Nutrition education program.
- Sec. 307. Continuing animal health and disease research programs.
- Sec. 308. Appropriations for research on national or regional problems.
- Sec. 309. Grants to upgrade agricultural and food sciences facilities at 1890 land-grant colleges, including Tuskegee University.
- Sec. 310. National research and training virtual centers.
- Sec. 311. Matching funds requirement for research and extension activities of 1890 Institutions.
- Sec. 312. Hispanic-serving institutions.
- Sec. 313. Competitive grants for international agricultural science and education programs.
- Sec. 314. Research equipment grants.
- Sec. 315. University research.
- Sec. 316. Extension Service.
- Sec. 317. Supplemental and alternative crops.

- Sec. 318. Aquaculture research facilities.
- Sec. 319. Rangeland research.
- Sec. 320. Special authorization for biosecurity planning and response.
- Sec. 321. Resident instruction and distance education grants program for insular area institutions of higher education.

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

- Sec. 331. National genetics resources program.
- Sec. 332. High-priority research and extension initiatives.
- Sec. 333. Nutrient management research and extension initiative.
- Sec. 334. Organic agriculture research and extension initiative.
- Sec. 335. Agricultural telecommunications program.
- Sec. 336. Assistive technology program for farmers with disabilities.
- Sec. 337. National Rural Information Center Clearinghouse.

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

- Sec. 341. Partnerships for high-value agricultural product quality research.
- Sec. 342. Precision agriculture.
- Sec. 343. Biobased products.
- Sec. 344. Thomas Jefferson Initiative for crop diversification.
- Sec. 345. Integrated research, education, and extension competitive grants program.
- Sec. 346. Support for research regarding diseases of wheat, triticale, and barley caused by *Fusarium graminearum* or by *Tilletia indica*.
- Sec. 347. Bovine Johne's disease control program.
- Sec. 348. Grants for youth organizations.
- Sec. 349. Agricultural biotechnology research and development for developing countries.
- Sec. 350. Office of Pest Management Policy.

Subtitle D—Other Laws

- Sec. 371. Critical Agricultural Materials Act.
- Sec. 372. Equity in Educational Land-Grant Status Act of 1994.
- Sec. 373. Agricultural Experiment Station Research Facilities Act.
- Sec. 374. National Agricultural Research, Extension, and Teaching Policy Act Amendments of 1985.
- Sec. 375. Competitive, Special, and Facilities Research Grant Act (National Research Initiative).
- Sec. 376. Beginning farmer and rancher development program.
- Sec. 377. Agricultural Risk Protection Act of 2000 (Carbon Cycle Research).
- Sec. 378. Renewable Resources Extension Act of 1978.
- Sec. 379. National Aquaculture Act of 1980.

TITLE IV—ENHANCEMENTS

Subtitle A—Research and Extension

- Sec. 401. Compliance with multistate and integration requirements.
- Sec. 402. Expansion of food and agricultural sciences awards.
- Sec. 403. Sustainable human development initiative.

Subtitle B—Nutrition

- Sec. 411. Expanded food and nutrition education program.

- Sec. 412. University of the district of columbia eligibility for the expanded food and nutrition program.
- Sec. 413. Food stamp nutrition education reimbursement for 1890 institutions.
- Sec. 414. Reauthorization of the national nutrition monitoring and related research act of 1990.

#### Subtitle C—1890 Initiatives

- Sec. 421. Research and education under the national agricultural research, extension, and teaching policy act of 1977.
- Sec. 422. Extension formula programs under the national agricultural research, extension, and teaching policy act of 1977.
- Sec. 423. Children, youth, and families education and research network (CYFERnet) program.
- Sec. 424. Animal health and disease research program.
- Sec. 425. Meintire-Stennis cooperative forestry act.
- Sec. 426. Outreach and assistance for socially disadvantaged farmers and ranchers.
- Sec. 427. Grants to 1890 schools to expand extension capacity.
- Sec. 428. National center for the study of socially disadvantaged farmers.

#### Subtitle D—Forestry

- Sec. 431. Meintire-Stennis cooperative forestry research program.

#### Subtitle E—Rural Development

- Sec. 441. Extension of agricultural telecommunications program to rural development.
- Sec. 442. Authorization of rural development research under the initiative for future agriculture and food systems.
- Sec. 443. Priority initiatives: land use management.
- Sec. 444. Priority initiatives: water and air quality.
- Sec. 445. Priority initiatives: agrotourism.
- Sec. 446. Organic agriculture research and extension initiative.
- Sec. 447. Biosecurity.
- Sec. 448. Beginning farmers and ranchers.
- Sec. 449. Resident instruction and distant education.
- Sec. 450. Tribal college and university essential community facilities.
- Sec. 451. Value-added agricultural product market development.
- Sec. 452. Innovation center demonstration projects.
- Sec. 453. Rural entrepreneurship development program.
- Sec. 454. Amendments to the consolidated farm and rural development act relating to 2002 farm bill programs.

#### Subtitle F—International Trade

- Sec. 461. FAS/extension service internships.
- Sec. 462. FAS internships; university-assisted funding.
- Sec. 463. Borlaug international agricultural science and technology fellowship program.

#### Subtitle G—Energy

- Sec. 471. Procurement of biobased products.
- Sec. 472. Bioenergy development grants.
- Sec. 473. Biodiesel fuel education and development grants.

- Sec. 474. Energy audit and renewable energy development program.  
Sec. 475. Renewable energy systems and energy efficiency improvements.  
Sec. 476. Biomass research and development.  
Sec. 477. Cooperative research and extension projects; carbon cycle research.

Subtitle H—Conservation

- Sec. 478. Environmental quality incentives.  
Sec. 479. Conservation technical assistance and education by extension service.  
Sec. 480. Assessment and reform of conservation programs.

1 **SEC. 2. PURPOSES.**

2 The purposes of this Act are—

3 (1) to integrate and organize the administration  
4 of the extramural agricultural research, extension,  
5 education, and related programs administered by the  
6 Secretary of Agriculture to respond to 21st century  
7 challenges and continue to meet the needs of society  
8 from a local, tribal, State, national, and inter-  
9 national perspective;

10 (2) to minimize duplication, and maximize co-  
11 ordination and integration, among the programs at  
12 all levels through a solution-based approach;

13 (3) to enhance the capacity of all participating  
14 institutions to more effectively carry out the pro-  
15 grams, with special emphasis given to 1890 Institu-  
16 tions, 1994 Institutions, Insular Area Institutions,  
17 ASCARR Institutions, and Small 1862 Land-Grant  
18 Institutions;

19 (4) to provide for a more balanced portfolio of  
20 available resources and funding between capacity

1 programs and competitive programs through the en-  
2 hanced growth of competitive funds;

3 (5) to position the agricultural research, exten-  
4 sion, education, and related programs system to in-  
5 crease the contribution of the system to society  
6 through the expansion of the portfolio of the system;  
7 and

8 (6) to provide funding to achieve the purposes  
9 of this Act and other purposes by enhancing by 100  
10 percent the authorized funding for extramural agri-  
11 cultural research, extension, education, and related  
12 programs over 5 fiscal years.

13 **SEC. 3. DEFINITIONS.**

14 In this Act:

15 (1) 1862 INSTITUTION.—The term “1862 Insti-  
16 tution” means a college or university eligible to re-  
17 ceive funds under the Act of July 2, 1862 (7 U.S.C.  
18 301 et seq.).

19 (2) 1890 INSTITUTION.—The term “1890 Insti-  
20 tution” means a college or university eligible to re-  
21 ceive funds under the Act of August 30, 1890 (7  
22 U.S.C. 321 et seq.), including Tuskegee University.

23 (3) 1994 INSTITUTION.—The term “1994 Insti-  
24 tution” means one of the 1994 Institutions (as de-  
25 fined in section 532 of the Equity in Educational

1 Land-Grant Status Act of 1994 (Public Law 103–  
2 382; 7 U.S.C. 301 note)).

3 (4) ASCARR INSTITUTION.—

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

8 (B) EXCLUSIONS.—The term “ASCARR  
9 Institution” does not include an institution eli-  
10 gible to receive funds under—

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

14 (ii) the Act of August 30, 1890 (com-  
15 monly known as the “Second Morrill Act”)  
16 (7 U.S.C. 321 et seq.); or

17 (iii) the Equity in Educational Land-  
18 Grant Status Act of 1994 (Public Law  
19 103–382; 7 U.S.C. 301 note).

20 (5) CAPACITY PROGRAM.—The term “capacity  
21 program” means each of the following agricultural  
22 research, extension, education, and related programs  
23 for which the Secretary has administrative or other  
24 authority as of the day before the date of enactment  
25 of this Act:

1 (A) Each program established under the  
2 Act of July 2, 1862 (commonly known as the  
3 “First Morrill Act”) (7 U.S.C. 301 et seq.).

4 (B) Each program providing funding to  
5 any of the 1994 Institutions under sections  
6 533, 534(a), and 535 of the Equity in Edu-  
7 cational Land-Grant Status Act of 1994 (Public  
8 Law 103–382; 7 U.S.C. 301 note) (commonly  
9 known as “financial assistance, technical assist-  
10 ance, and endowments to tribal colleges and  
11 Navajo Community College”).

12 (C) The program established under section  
13 536 of the Equity in Educational Land-Grant  
14 Status Act of 1994 (Public Law 103–382; 7  
15 U.S.C. 301 note) providing research grants for  
16 1994 institutions.

17 (D) Each program established under sub-  
18 sections (b), (c), and (d) of section 3 of the  
19 Smith-Lever Act (7 U.S.C. 343).

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

22 (F) Each grant program established under  
23 section 2501 of the Food, Agriculture, Con-  
24 servation, and Trade Act of 1990 (7 U.S.C.

1           2279) providing outreach and assistance for so-  
2           cially disadvantaged farmers and ranchers.

3           (G) Each program established under sec-  
4           tion 1417(b)(4) of the National Agricultural  
5           Research, Extension, and Teaching Policy Act  
6           of 1977 (7 U.S.C. 3152(b)(4)), including grant  
7           programs under that section (commonly known  
8           as the “1890 Institution Teaching and Re-  
9           search Capacity Building Grants Program”).

10          (H) The animal health and disease re-  
11          search program established under subtitle E of  
12          the National Agricultural Research, Extension,  
13          and Teaching Policy Act of 1977 (7 U.S.C.  
14          3191 et seq.).

15          (I) Each extension program available to  
16          1890 Institutions established under sections  
17          1444 and 1464 of the National Agricultural Re-  
18          search, Extension, and Teaching Policy Act of  
19          1977 (7 U.S.C. 3221, 3312).

20          (J) The program established under section  
21          1445 of the National Agricultural Research,  
22          Extension, and Teaching Policy Act of 1977 (7  
23          U.S.C. 3222) (commonly known as the “Evans-  
24          Allen Program”).

1 (K) The program providing grants to up-  
2 grade agricultural and food sciences facilities at  
3 1890 Institutions established under section  
4 1447 of the National Agricultural Research,  
5 Extension, and Teaching Policy Act of 1977 (7  
6 U.S.C. 3222b).

7 (L) The program providing distance edu-  
8 cation grants for insular areas established  
9 under section 1490 of the National Agricultural  
10 Research, Extension, and Teaching Policy Act  
11 of 1977 (7 U.S.C. 3362).

12 (M) The program providing resident in-  
13 struction grants for insular areas established  
14 under section 1491 of the National Agricultural  
15 Research, Extension, and Teaching Policy Act  
16 of 1977 (7 U.S.C. 3363).

17 (N) Each program available to 1890 Insti-  
18 tutions established under section 406 of the Ag-  
19 ricultural Research, Extension, and Education  
20 Reform Act of 1998 (7 U.S.C. 7626).

21 (O) The program providing competitive ex-  
22 tension grants to eligible 1994 Institutions  
23 under section 1464 of National Agricultural Re-  
24 search, Extension, and Teaching Policy Act of  
25 1977 (7 U.S.C. 3312) and the Equity in Edu-

1           cational Land-Grant Status Act of 1994 (Public  
2           Law 103–382; 7 U.S.C. 301 note) established  
3           under section 406 of the Agricultural Research,  
4           Extension, and Education Reform Act of 1998  
5           (7 U.S.C. 7626).

6           (P) Each research and development and  
7           related program established under Public Law  
8           87–788 (commonly known as the “McIntire-  
9           Stennis Cooperative Forestry Act”) (16 U.S.C.  
10          582a et seq.).

11          (Q) Each program established under the  
12          Renewable Resources Extension Act of 1978  
13          (16 U.S.C. 1671 et seq.).

14          (R) Each grant program for ASCARR In-  
15          stitutions established under section 202.

16          (6) CAPACITY PROGRAM CRITICAL BASE FUND-  
17          ING.—The term “capacity program critical base  
18          funding” means the aggregate amount of Federal  
19          funds made available for all or individual capacity  
20          programs for fiscal year 2007, as appropriate.

21          (7) COMPETITIVE PROGRAM.—The term “com-  
22          petitive program” means each of the following agri-  
23          cultural research, extension, education, and related  
24          programs for which the Secretary has administrative

1 or other authority as of the day before the date of  
2 enactment of this Act:

3 (A) The competitive grant program estab-  
4 lished under section 2 of the Competitive, Spe-  
5 cial, and Facilities Research Grant Act (7  
6 U.S.C. 450i), commonly known as the “Na-  
7 tional Research Initiative Competitive Grants  
8 Program”.

9 (B) The program providing grants and re-  
10 lated assistance established under section  
11 1417(b)(5) of the National Agricultural Re-  
12 search, Extension, and Teaching Policy Act of  
13 1977 (7 U.S.C. 3152(b)(5)) commonly known  
14 as the “Higher Education Multicultural Schol-  
15 ars Program”.

16 (C) The Food and Agricultural Sciences  
17 grant program established under section 1417  
18 of the National Agricultural Research, Exten-  
19 sion, and Teaching Policy Act of 1977 (7  
20 U.S.C. 3152), commonly known as the “Food  
21 and Agricultural Sciences National Needs Grad-  
22 uate Fellowship Grants Program”.

23 (D) The program providing grants under  
24 section 1417(j) of the National Agricultural Re-  
25 search, Extension, and Teaching Policy Act of

1 1977 (7 U.S.C. 3152(j)), commonly known as  
2 “Institution Challenge Grants”.

3 (E) The program providing grants for His-  
4 panic-serving institutions established under sec-  
5 tion 1455 of the National Agricultural Re-  
6 search, Extension, and Teaching Policy Act of  
7 1977 (7 U.S.C. 3241).

8 (F) The Initiative for Future Agriculture  
9 and Food Systems established under section  
10 401 of the Agricultural Research, Extension,  
11 and Education Reform Act of 1998 (7 U.S.C.  
12 7621) or any substantially similar program or  
13 authority.

14 (G) The integrated research, education,  
15 and extension competitive grants program es-  
16 tablished under section 406 of the Agricultural  
17 Research, Extension, and Education Reform  
18 Act of 1998 (7 U.S.C. 7626).

19 (8) COMPETITIVE PROGRAM CRITICAL BASE  
20 FUNDING.—The term “competitive program critical  
21 base funding” means the aggregate amount of Fed-  
22 eral funds made available for all or individual com-  
23 petitive programs for fiscal year 2007, as appro-  
24 priate.

1           (9) COUNCIL.—The term “Council” means The  
2 National Agriculture, Research, Extension, Edu-  
3 cation, and Economics Advisory Board.

4           (10) DEPARTMENT.—The term “Department”  
5 means the Department of Agriculture.

6           (11) DIRECTOR.—The term “Director” means  
7 the Director of the National Institutes for Food and  
8 Agriculture.

9           (12) EXTRAMURAL ACTIVITY.—The term “ex-  
10 tramural activity” includes each program and re-  
11 lated activity administered or otherwise carried out  
12 by the entities or under an authority described in  
13 paragraph (5).

14           (13) FUNDAMENTAL RESEARCH.—The term  
15 “fundamental research” means research that, as de-  
16 termined by the Director—

17                   (A) advances the frontiers of knowledge so  
18 as to lead to practical results or to further sci-  
19 entific discovery; and

20                   (B) has an effect on—

21                           (i) agriculture, food, forestry, human  
22 health, or another purpose of this Act;

23                           (ii) a priority area of the National In-  
24 stitutes for Food and Agriculture; or

1 (iii) another goal or purpose of a Na-  
2 tional Institutes for Food and Agriculture  
3 program.

4 (14) INSULAR AREA INSTITUTION.—The term  
5 “Insular Area Institution” has the meaning given  
6 the term “eligible institution” in section 1489 of the  
7 National Agricultural Research, Extension, and  
8 Teaching Policy Act of 1977 (7 U.S.C. 3361).

9 (15) NATIONAL INSTITUTES FOR FOOD AND AG-  
10 RICULTURE.—The term “National Institutes for  
11 Food and Agriculture” means the National Insti-  
12 tutes for Food and Agriculture established under  
13 section 101.

14 (16) NATIONAL INSTITUTES FOR FOOD AND AG-  
15 RICULTURE PROGRAM.—The term “National Insti-  
16 tutes for Food and Agriculture program” includes  
17 each capacity program, competitive program, and  
18 any other program, authority, power, or activity of  
19 the National Institutes for Food and Agriculture, in-  
20 cluding those described in section 101.

21 (17) SECRETARY.—The term “Secretary”  
22 means the Secretary of Agriculture.

23 (18) SMALL 1862 LAND-GRANT INSTITUTIONS.—  
24 The term “Small 1862 Land-Grant Institution”  
25 means each 1862 institution that received, for the 3

1 fiscal years immediately preceding the applicable fis-  
2 cal year (based on a 3-year rolling average), less  
3 than 1 percent of—

4 (A) in the case of a fiscal year beginning  
5 before the date of the enactment of this Act  
6 and the implementation of the National Insti-  
7 tutes for Food and Agriculture programs (as  
8 determined by the Director), the funds received  
9 by each such institution from among available  
10 programs of the Cooperative State Research,  
11 Education, and Extension Service; and

12 (B) in the case of a fiscal year beginning  
13 after the date of the enactment of this Act and  
14 the implementation of the National Institutes  
15 for Food and Agriculture programs (as deter-  
16 mined by the Director), the funds received by  
17 each such institution from among available Na-  
18 tional Institutes for Food and Agriculture pro-  
19 grams, other than funds reserved or distributed  
20 under paragraph (2)(B)(ii)(I), (2)(C)(ii)(I), or  
21 (3)(A)(ii) of section 105(c).

22 (19) STATE.—The term “State” means—

23 (A) each of the several States of the  
24 United States;

25 (B) the Commonwealth of Puerto Rico;

- 1 (C) Guam;
- 2 (D) American Samoa;
- 3 (E) the Commonwealth of the Northern
- 4 Mariana Islands;
- 5 (F) the Federated States of Micronesia;
- 6 (G) the Republic of the Marshall Islands;
- 7 and
- 8 (H) the United States Virgin Islands.

9 (20) UNITED STATES.—The term “United

10 States”, when used in a geographical sense, means

11 all of the States.

12 **TITLE I—NATIONAL INSTITUTES**

13 **FOR FOOD AND AGRICULTURE**

14 **SEC. 101. ESTABLISHMENT OF NATIONAL INSTITUTES FOR**

15 **FOOD AND AGRICULTURE.**

16 (a) ESTABLISHMENT.—

17 (1) IN GENERAL.—There is established within

18 the Department an agency to be known as the “Na-

19 tional Institutes for Food and Agriculture”.

20 (2) MEMBERS.—The National Institutes for

21 Food and Agriculture shall consist of—

22 (A) the Director;

23 (B) the Council;

24 (C) the individual institutes established

25 under section 103; and

1 (D) the staff and employees of National  
2 Institutes for Food and Agriculture.

3 (b) AUTHORITIES.—

4 (1) TRANSFER OF AUTHORITIES.—There are  
5 transferred to National Institutes for Food and Ag-  
6 riculture the authorities (including all budget au-  
7 thorities and personnel), duties, obligations, and re-  
8 lated legal and administrative functions prescribed  
9 by law or otherwise granted to the Secretary, the  
10 Department, or any other agency or official of the  
11 Department under—

12 (A) the capacity programs;

13 (B) the competitive programs;

14 (C) the research, education, economic, co-  
15 operative State research programs, cooperative  
16 extension and education programs, international  
17 programs, and other functions and authorities  
18 delegated by the Secretary to—

19 (i) the Under Secretary of Agriculture  
20 for Research, Education, and Economics  
21 (including under section 251 of the Fed-  
22 eral Crop Insurance Reform and Depart-  
23 ment of Agriculture Reorganization Act of  
24 1994 (7 U.S.C. 6971)); and

1 (ii) the Administrator of the Coopera-  
2 tive State Research, Education, and exten-  
3 sion Service pursuant to section 2.66 of  
4 title 7, Code of Federal Regulations (or  
5 successor regulations); and

6 (D) any and all other authorities adminis-  
7 tered by—

8 (i) the Under Secretary of Agriculture  
9 for Research, Education, and Economics;  
10 and

11 (ii) the Administrator of the Coopera-  
12 tive State Research, Education, and Exten-  
13 sion Service.

14 (2) CONSOLIDATION OF AUTHORITIES.—To  
15 carry out this Act, in accordance with the transfer  
16 and continuation of the authorities, budgetary func-  
17 tions, and personnel resources under this subsection,  
18 the administrative entity within the Department  
19 known as the Cooperative State Research, Edu-  
20 cation, and Extension Services, shall terminate on  
21 the earlier of—

22 (A) October 1, 2008; or

23 (B) such earlier date as the Director deter-  
24 mines to be appropriate.

1           (3) RESERVATION.—Notwithstanding any other  
2 provision of this Act, any and all administrative au-  
3 thority over the functions and activities of the Na-  
4 tional Agricultural Statistics Service, consistent with  
5 those authorities, functions, and activities as in ef-  
6 fect on the day before the date of enactment of this  
7 Act, shall remain under the authority of the Sec-  
8 retary.

9           (c) POWERS.—The Director may—

10           (1) promulgate such regulations as the Director  
11 determines to be necessary to govern the operations,  
12 organization, and personnel of the National Insti-  
13 tutes for Food and Agriculture;

14           (2) make such expenditures as are necessary to  
15 carry out this Act;

16           (3) enter into contracts or other arrangements,  
17 or modifications of contracts or other arrange-  
18 ments—

19           (A) to provide for the carrying out, by or-  
20 ganizations or individuals in the United States  
21 (including agencies of the Department and  
22 other Government agencies) of such National  
23 Institutes for Food and Agriculture programs  
24 as the Director determines to be necessary to  
25 carry out this Act; and

1 (B) at the request of the President or the  
2 Secretary, for the carrying out of such specific  
3 National Institutes for Food and Agriculture  
4 program-related activities as are in the national  
5 interest or are otherwise of critical importance,  
6 as determined by the President or the Sec-  
7 retary, with the concurrence of the Director;

8 (4) make advance, progress, and other pay-  
9 ments relating to National Institutes for Food and  
10 Agriculture programs without regard to the sub-  
11 sections (a) and (b) of section 3324 of title 31,  
12 United States Code;

13 (5) acquire by purchase, lease, loan, gift, or  
14 condemnation, and hold and dispose of by grant,  
15 sale, lease, or loan, real and personal property of all  
16 kinds necessary for, or resulting from, the exercise  
17 of authority under this Act;

18 (6) receive and use donated funds, if the funds  
19 are donated without restriction other than that the  
20 funds be used in furtherance of National Institutes  
21 for Food and Agriculture programs or one or more  
22 of the purposes of this Act;

23 (7) publish or arrange for the publication of in-  
24 formation so as to further the full dissemination of  
25 information of value consistent with the purposes of

1 this Act and the national interest, without regard to  
2 section 501 of title 44, United States Code;

3 (8) accept and use the services of voluntary and  
4 uncompensated personnel, and provide such trans-  
5 portation and subsistence as are authorized by sec-  
6 tion 5703 of title 5, United States Code, for persons  
7 serving without compensation;

8 (9) prescribe, with the approval of the Comp-  
9 troller General of the United States, the extent to  
10 which vouchers for funds expended under contracts  
11 for authorized activities shall be subject to  
12 itemization or substantiation prior to payment, with-  
13 out regard to the limitations of other laws relating  
14 to the expenditure and accounting of public funds;  
15 and

16 (10) arrange with and reimburse the Secretary  
17 and the heads of other Federal agencies for the per-  
18 formance of any activity that the National Institutes  
19 for Food and Agriculture is authorized to conduct.

20 (d) CONSULTATION.—The Director shall consult with  
21 the Secretary on an ongoing basis to ensure that the na-  
22 tional interest is being served by the administration of the  
23 National Institutes for Food and Agriculture, National In-  
24 stitutes for Food and Agriculture programs, and other au-  
25 thorities provided under this Act.

1 (e) REPORTING.—Not later than December 31, 2007,  
2 and biennially thereafter, the Director shall submit to the  
3 Secretary, the Committee on Agriculture of the House of  
4 Representatives, the Committee on Agriculture, Nutrition,  
5 and Forestry of the Senate, the Committee on Appropria-  
6 tions of the House of Representatives, and the Committee  
7 on Appropriations of the Senate a comprehensive report  
8 that describes the National Institutes for Food and Agri-  
9 culture programs and related activities funded, initially  
10 implemented, and otherwise carried out by the National  
11 Institutes for Food and Agriculture during the period cov-  
12 ered by the report.

13 **SEC. 102. OFFICES; ADMINISTRATION.**

14 (a) LOCATION.—The National Institutes for Food  
15 and Agriculture shall be located in Washington, DC.

16 (b) DIRECTOR.—

17 (1) APPOINTMENT.—

18 (A) IN GENERAL.—The Director shall be—

19 (i) a distinguished expert in one or  
20 more National Institutes for Food and Agri-  
21 culture programs (or issues addressed by  
22 or fields relating to those programs); and

23 (ii) appointed by the President, by  
24 and with the advice and consent of the  
25 Senate.

1           (B) RECOMMENDATIONS.—Before any per-  
2           son is appointed as Director, the President  
3           shall afford the Council an opportunity to make  
4           recommendations to the President with respect  
5           to the appointment.

6           (C) RATE OF PAY.—The Director shall re-  
7           ceive basic pay at the rate provided for level IV  
8           of the Executive Schedule under section 5513  
9           of title 5, United States Code.

10          (2) TERM.—The Director shall serve for a sin-  
11          gle, 6-year term.

12          (3) AUTHORITY.—Except as may be otherwise  
13          provided in this Act—

14               (A) the Director shall—

15                   (i) exercise all of the authority grant-  
16                   ed to the National Institutes for Food and  
17                   Agriculture by this Act;

18                   (ii) in consultation with the Council,  
19                   formulate programs in accordance with  
20                   policies adopted by the National Institutes  
21                   for Food and Agriculture;

22                   (iii) establish committees and offices  
23                   within the National Institutes for Food  
24                   and Agriculture, as appropriate;

1 (iv) establish procedures for the provi-  
2 sion and administration of capacity pro-  
3 gram funding and competitive program  
4 grants by the National Institutes for Food  
5 and Agriculture in accordance with this  
6 Act and other applicable law;

7 (v) establish procedures for the peer  
8 or merit review of National Institutes for  
9 Food and Agriculture program activities in  
10 accordance with this Act and other applica-  
11 ble law, as appropriate;

12 (vi) assess the personnel needs of re-  
13 search, education, extension, and other  
14 fields in the areas supported by National  
15 Institutes for Food and Agriculture pro-  
16 grams; and

17 (vii) cooperate with the Council to  
18 plan programs that assist in meeting the  
19 future personnel needs of disciplines and  
20 activities in the areas supported by Na-  
21 tional Institutes for Food and Agriculture  
22 programs, including portable fellowship  
23 and training programs, as applicable; and

24 (B) all actions taken by the Director pur-  
25 suant to this Act shall be final and binding

1           upon the National Institutes for Food and Agri-  
2           culture.

3           (4) DELEGATION AND REDELEGATION OF  
4           FUNCTIONS.—The Director may, from time to time,  
5           establish such procedures as the Director determines  
6           to be appropriate to authorize the performance by  
7           any other officer, agency, or employee of the Na-  
8           tional Institutes for Food and Agriculture of any of  
9           the functions of the Director under this Act.

10          (5) FORMULATION OF PROGRAMS.—The formu-  
11          lation of programs in accordance with the policies of  
12          the National Institutes for Food and Agriculture  
13          shall be carried out by the Director, in consultation  
14          with the Council.

15          (6) AUTHORITY TO GRANT AND CONTRACT.—  
16          The Director may make grants and enter into con-  
17          tracts and other arrangements pursuant to this Act  
18          and other applicable law.

19          (7) STATUS; POWER TO VOTE AND HOLD OF-  
20          FICE.—

21                 (A) IN GENERAL.—The Director shall—

22                         (i) serve as a voting ex officio member  
23                         of the Council; and

24                         (ii) except with respect to compensa-  
25                         tion and tenure, serve in a manner com-

1                   mensurate with the other members of the  
2                   Council.

3                   (B) ELECTION.—The Director shall be eli-  
4                   gible for election by the Council as Chairperson  
5                   or Vice Chairperson of the Council.

6                   (c) STAFF APPOINTMENT.—The Director shall, in ac-  
7                   cordance with such policies as the Council may from time  
8                   to time establish, recruit, hire, prescribe, appoint, and fix  
9                   the compensation of such personnel as are necessary to  
10                  carry out this Act, including the appointment, for a lim-  
11                  ited term or on a temporary basis, of appropriate—

12                  (1) scientific and other expert and accomplished  
13                  staff; and

14                  (2) other technical and professional personnel  
15                  on leave of absence from academic, industrial, or re-  
16                  search institutions.

17                  (d) ROTATING CREDENTIALLED STAFF.—

18                  (1) IN GENERAL.—The Director shall be as-  
19                  sisted by an appropriately-credentialed staff of ex-  
20                  perts in—

21                          (A) National Institutes for Food and Agri-  
22                          culture programs; and

23                          (B) issues addressed by, and fields relating  
24                          to, those programs.

1           (2) REQUIREMENTS.—Credentialed staff mem-  
2           bers described in paragraph (1) shall be—

3                   (A) recruited from the community of Na-  
4                   tional Institutes for Food and Agriculture pro-  
5                   grams or related fields; and

6                   (B) appointed by the Director to serve on  
7                   the basis of 4-year rotating appointments.

8           (e) TEMPORARY STAFF.—Staff hired by the Director  
9           under this section may include researchers, scientists, and  
10           other credentialed, technical, or professional personnel  
11           hired for limited terms, or on temporary bases, including  
12           individuals on leave of absence from academic, industry,  
13           research, science, or other institutions.

14           (f) VOLUNTEERS.—

15                   (1) IN GENERAL.—The Director may accept the  
16                   services of voluntary, uncompensated personnel, on  
17                   appropriate terms and conditions and in accordance  
18                   with other applicable law.

19                   (2) FREEDOM FROM LIABILITY.—Voluntary  
20                   personnel described in paragraph (1) shall be held  
21                   free from liability in accordance with the Volunteer  
22                   Protection Act of 1997 (42 U.S.C. 14501 et seq.).

23           (g) TRANSFER OF FUNDS FROM OTHER GOVERN-  
24           MENT DEPARTMENTS OR AGENCIES.—

1           (1) IN GENERAL.—Funds available to the De-  
2           partment, or any other department or agency of the  
3           Federal Government for activities that are analogous  
4           to, or could contribute to the purposes or goals of,  
5           National Institutes for Food and Agriculture pro-  
6           grams, other relevant research, extension, or edu-  
7           cation programs, or related or other relevant activi-  
8           ties, shall be available for transfer, in whole or in  
9           part, to the National Institutes for Food and Agri-  
10          culture, with the approval of the Secretary or the  
11          head of the other appropriate department or agency  
12          transferring the funds, for such use as is consistent  
13          with the purposes for which the funds were initially  
14          made available.

15          (2) USE OF FUNDS.—Funds transferred under  
16          paragraph (1) shall be expendable by the National  
17          Institutes for Food and Agriculture for the purposes  
18          for which the transfer was made.

19          (h) THE COUNCIL.—

20                 (1) DUTIES.—

21                         (A) IN GENERAL.—The Council shall assist  
22                         the Director in—

23                                 (i) establishing priorities of the Na-  
24                                 tional Institutes for Food and Agriculture;  
25                                 and

1 (ii) reviewing, judging, and maintain-  
2 ing the relevance of National Institutes for  
3 Food and Agriculture programs.

4 (B) OVERSIGHT REVIEW.—To ensure that  
5 the purposes of this Act and the needs of the  
6 United States are being met, the Council shall  
7 conduct an annual oversight review of—

8 (i) the administration of the National  
9 Institutes for Food and Agriculture;

10 (ii) activities funded through the ca-  
11 pacity programs;

12 (iii) proposals and other activities  
13 funded through the competitive programs;  
14 and

15 (iv) other activities of the National In-  
16 stitutes for Food and Agriculture.

17 (2) MEETINGS.—

18 (A) IN GENERAL.—The Council shall hold  
19 periodic meetings to provide an interface be-  
20 tween the Council and stakeholders, and to en-  
21 sure that the National Institutes for Food and  
22 Agriculture is linking national goals with real-  
23 istic opportunities.

24 (B) FREQUENCY.—Meetings described in  
25 subparagraph (A) shall be held at the call of

1 the Director, or at the joint call of the Director  
2 and the Secretary, but not less often than twice  
3 annually.

4 (3) LIMITATION.—The expenses of the Council  
5 paid by the Director under subparagraph (A) shall  
6 not be counted toward any general limitation on the  
7 expenses of advisory committees, panels, commis-  
8 sions, or task forces of the Department contained in  
9 any Act making appropriations for the Department,  
10 whether enacted before, on, or after the date of en-  
11 actment of this Act, unless the Act of appropriation  
12 specifically—

13 (A) refers to this paragraph; and

14 (B) includes the Council within the general  
15 limitation.

16 **SEC. 103. ORGANIZATION OF NATIONAL INSTITUTES FOR**  
17 **FOOD AND AGRICULTURE.**

18 (a) ORGANIZATION.—

19 (1) IN GENERAL.—The Director shall organize  
20 the National Institutes for Food and Agriculture  
21 into 6 institutes (referred to in this section as “indi-  
22 vidual institutes”) to administer the programs and  
23 activities of the National Institutes for Food and  
24 Agriculture in an integrated, multidisciplinary, inter-  
25 disciplinary, transdisciplinary, interagency, and

1 inter-institutional manner, to the maximum extent  
2 practicable.

3 (2) INSTITUTES.—The individual institutes  
4 shall be the following:

5 (A) The Institute for Economic Opportuni-  
6 ties in Agriculture and Natural Resources.

7 (B) The Institute for Nutrition and  
8 Health.

9 (C) The Institute for Rural and Urban  
10 Community Development.

11 (D) The Institute for Natural Resources  
12 and Environment.

13 (E) The Institute for Food Safety and Ag-  
14 ricultural Security.

15 (F) The Institute for Families, Youth, and  
16 Communities.

17 (3) ADMINISTRATION.—

18 (A) IN GENERAL.—The Director, in con-  
19 junction with the head of each individual insti-  
20 tute, shall carry out National Institutes for  
21 Food and Agriculture programs with the goal of  
22 focusing those programs, and the participants,  
23 grantees, and other stakeholders of those pro-  
24 grams on—

1 (i) understanding important problem  
2 areas and opportunities relating to a pro-  
3 gram;

4 (ii) discovering and implementing so-  
5 lutions to address those problem areas; and

6 (iii) exploring other opportunities pro-  
7 vided under the programs.

8 (B) STAKEHOLDER INPUT.—The Director,  
9 in consultation with the Secretary, the Council,  
10 and the head of each individual institute, shall  
11 solicit input from appropriate participants,  
12 grantees, and other stakeholders of the pro-  
13 grams and activities of the National Institutes  
14 for Food and Agriculture relating to the prob-  
15 lem areas, opportunity areas, solution areas,  
16 and Institute programs and related activities  
17 carried out by the National Institutes for Food  
18 and Agriculture.

19 (4) MODIFICATION OF ORGANIZATION.—Begin-  
20 ning on October 1 of the fifth full fiscal year begin-  
21 ning after the date of enactment of this Act, the Di-  
22 rector, in consultation with the Secretary and the  
23 Council, may include in a report required under sec-  
24 tion 101(e) any recommendation of the Director  
25 with respect to the organization of the National In-

1       stitutes for Food and Agriculture or the individual  
2       institutes, as the Director determines to be in the  
3       best interest of the United States.

4       (b) PROGRAM INTEGRATION AND COORDINATION.—

5           (1) IN GENERAL.—In accordance with applica-  
6       ble law (including regulations), the Director, in co-  
7       ordination with the head of each individual institute  
8       and taking into consideration the advice of the  
9       Council, shall ensure, to the maximum extent prac-  
10      ticable, that National Institutes for Food and Agri-  
11      culture programs are administered, funded, and car-  
12      ried out—

13           (A) in an integrated, multidisciplinary,  
14      interdisciplinary, transdisciplinary, interagency,  
15      and inter-institutional manner that ensures—

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

18           (ii) the focus of all resources and ac-  
19      tivities on strategic, priority, problem, op-  
20      portunity, and solution areas identified by  
21      the Director and the head of each applica-  
22      ble individual institute, taking into consid-  
23      eration the advice of the Council;

1 (B) among applicable participants, grant-  
2 ees, and stakeholders, in a coordinated manner  
3 that encourages and ensures—

4 (i) the most efficient collaborative ap-  
5 plication of resources; and

6 (ii) the focus of all resources and ac-  
7 tivities on strategic, priority, problem, op-  
8 portunity, and solution areas on a local,  
9 State, Indian tribal, regional, national, and  
10 international basis, as the Director and the  
11 head of each applicable individual institute,  
12 taking into consideration the advice of the  
13 Council, determine to be appropriate.

14 (2) SCOPE.—The Director, in consultation with  
15 the Secretary and the Council, shall ensure, through  
16 the integration and coordination under paragraph  
17 (1), that opportunities are maximized with respect  
18 to—

19 (A) the use of appropriate authorities,  
20 agencies, institutions, disciplines, and activities  
21 of the National Institutes for Food and Agri-  
22 culture; and

23 (B) the inclusion of appropriate partici-  
24 pants and other stakeholders in those activities,  
25 including extramural, government, university,

1 extension, international, and other appropriate  
2 stakeholders, as determined by the Director.

3 (c) MATCHING AND LEVERAGING OF SCARCE BUDG-  
4 ET RESOURCES.—The National Institutes for Food and  
5 Agriculture and the Director shall provide for the match-  
6 ing and leveraging of National Institutes for Food and Ag-  
7 riculture resources by extramural activity program partici-  
8 pants and recipients—

9 (1) in accordance with applicable law governing  
10 the applicable capacity program, competitive pro-  
11 gram, or other authority or activity; or

12 (2) if not otherwise provided for by law, as the  
13 Director, in consultation with the Council, deter-  
14 mines to be appropriate, taking into consideration—

15 (A) the ability of the participating or re-  
16 cipient institutions or entities to provide match-  
17 ing funds; and

18 (B) the treatment of the institutions or en-  
19 tities with respect to matching fund and similar  
20 requirements under other authorities.

21 (d) FUNDING ADMINISTRATION.—

22 (1) CAPACITY PROGRAMS.—In accordance with  
23 other applicable law, in providing program funding  
24 to a particular institution or entity, the Director  
25 shall develop, in consultation with the Council, and

1       implement, a streamlined plan of work or adminis-  
2       trative model designed to simplify, to the maximum  
3       extent practicable, the administration, funding, and  
4       oversight of capacity programs.

5               (2) COMPETITIVE PROGRAMS.—In accordance  
6       with other applicable law, in making determinations  
7       regarding whether to provide program funding to a  
8       particular institution, entity, or applicant (as appli-  
9       cable), the Director shall, whenever practicable, im-  
10      plement an administrative model designed to stream-  
11      line and simplify, to the maximum extent prac-  
12      ticable, the application (as applicable), administra-  
13      tion, funding, and oversight process.

14 **SEC. 104. FUNDING.**

15               (a) PRESERVATION OF CRITICAL BASE FUNDING.—  
16      Notwithstanding any other provision of law, funds pro-  
17      vided to National Institutes for Food and Agriculture pro-  
18      grams shall be allocated and distributed in accordance  
19      with subsection (b).

20               (b) DISTRIBUTION OF FUNDS.—

21                       (1) PRIORITY FOR CRITICAL BASE FUNDS.—In  
22      distributing funds to carry out capacity programs  
23      and competitive programs during a fiscal year, the  
24      Director shall—

1 (A) first, use funds made available in an  
2 amount less than or equal to the capacity pro-  
3 gram critical base funding level only to carry  
4 out capacity programs, in accordance with para-  
5 graph (2); and

6 (B) after funds equal to the capacity pro-  
7 gram critical base funding level have been allo-  
8 cated for capacity programs for the fiscal year,  
9 use any funds made available only to carry out  
10 competitive programs, until funds are allocated  
11 in an amount equal to the competitive program  
12 critical base funding level.

13 (2) PROPORTIONAL FUNDING OF CAPACITY  
14 PROGRAMS.—The Director shall apportion funds dis-  
15 tributed under paragraph (1)(A) in accordance with  
16 the proportion that—

17 (A) the amount received by each applicable  
18 capacity program for fiscal year 2007; bears to

19 (B) the total amount made available for all  
20 capacity programs for fiscal year 2007.

21 (3) OTHER THAN CRITICAL BASE FUNDS.—In  
22 distributing funds to carry out capacity programs  
23 and competitive programs during a fiscal year, the  
24 Director shall use in accordance with section  
25 105(c)—

1 (A) amounts made available in excess of  
2 the sum of the capacity program critical base  
3 funding level and the competitive program crit-  
4 ical base funding level; and

5 (B) amounts made available pursuant to  
6 section 105(a).

7 **SEC. 105. ENHANCED FUNDING.**

8 (a) CONTINUATION OF MANDATORY FUNDING.—

9 (1) IN GENERAL.—Beginning on October 1,  
10 2007, and each October 1 thereafter, the Secretary  
11 shall transfer to the Director \$200,000,000 of funds  
12 of the Commodity Credit Corporation to carry out  
13 this Act.

14 (2) BUDGETARY OFFSET.—Section 401(b)(3) of  
15 the Agricultural Research, Extension, and Education  
16 Reform Act of 1998 (7 U.S.C. 7621(b)(3)) is  
17 amended—

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

20 (B) in subparagraph (C), by striking “;  
21 and” at the end and inserting a period; and

22 (C) by striking subparagraph (D).

23 (b) INCREASING CURRENTLY AUTHORIZED FUND-  
24 ING.—Notwithstanding any other provision of law, except  
25 as otherwise provided in this section, there are authorized

1 to be appropriated to the Director to carry out programs  
2 of the National Institutes for Food and Agriculture under  
3 this Act amounts equal to a level of the authorized funding  
4 for each such program as in effect on the day before the  
5 date of enactment of this Act, to be phased in as follows:

6 (1) For fiscal year 2008, 120 percent of the  
7 level.

8 (2) For fiscal year 2009, 140 percent of the  
9 level.

10 (3) For fiscal year 2010, 160 percent of the  
11 level.

12 (4) For fiscal year 2011, 180 percent of the  
13 level.

14 (5) For fiscal year 2012 and thereafter, 200  
15 percent of the level.

16 (c) DISTRIBUTION OF ENHANCED FUNDING.—

17 (1) IN GENERAL.—Any funds made available  
18 for a fiscal year for the National Institutes for Food  
19 and Agriculture shall be distributed in accordance  
20 with this subsection, if the funds are provided—

21 (A) under subsection (a)(1); or

22 (B) under any other authority under this  
23 or any other Act in excess of an amount equal  
24 to the sum of the capacity program critical base

1 funding level and the competitive program crit-  
2 ical base funding level.

3 (2) ENHANCED COMPETITIVE PROGRAM FUND-  
4 ING.—

5 (A) IN GENERAL.—The Director shall use  
6 70 percent of amounts described in paragraph  
7 (1) to carry out competitive programs, of  
8 which—

9 (i) 55 percent shall be used to carry  
10 out fundamental research activities in ac-  
11 cordance with subparagraph (B); and

12 (ii) 45 percent shall be used to carry  
13 out competitive research activities other  
14 than fundamental research activities in ac-  
15 cordance with subparagraph (C), includ-  
16 ing—

17 (I) integrated programs and re-  
18 lated activities;

19 (II) applied research and related  
20 activities;

21 (III) translational research and  
22 related activities;

23 (IV) activities substantially simi-  
24 lar to activities carried out pursuant  
25 to the Initiative for Future Agri-

1 culture and Food Systems under sec-  
2 tion 401 of the Agricultural Research,  
3 Extension, and Education Reform Act  
4 of 1998 (7 U.S.C. 7621), as in effect  
5 on the day before the date of enact-  
6 ment of this Act; and

7 (V) education and extension pro-  
8 grams and activities (including grants  
9 for outreach, research, or education).

10 (B) FUNDAMENTAL RESEARCH ACTIVI-  
11 TIES.—

12 (i) OPEN FUNDAMENTAL RESEARCH  
13 POOL.—The Director shall allocate not less  
14 than 80 percent of amounts described in  
15 subparagraph (A)(i) to eligible applicants  
16 on a competitive basis, including applicants  
17 representing—

18 (I) colleges, universities, and  
19 other institutions of higher education;  
20 and

21 (II) other individuals and entities  
22 eligible to receive funding under the  
23 National Research Initiative.

24 (ii) RESERVATION AND REVERSION.—

1 (I) IN GENERAL.—The Director  
2 shall reserve 20 percent of amounts  
3 described in subparagraph (A)(i) for  
4 allocation to 1890 Institutions, 1994  
5 Institutions, Insular Area Institutions,  
6 and Small 1862 Land-Grant Institu-  
7 tions on a competitive basis, subject  
8 to—

9 (aa) applicable peer and  
10 merit review requirements of  
11 Federal law (including regula-  
12 tions); and

13 (bb) such other peer and  
14 merit review requirements as the  
15 Director determines to be appro-  
16 priate.

17 (II) REVERSION OF UNUSED RE-  
18 SERVED FUNDS.—Any amounts re-  
19 served under subclause (I) that are  
20 not allocated to institutions under  
21 that subclause by the end of the 2-  
22 year period following October 1 of the  
23 fiscal year for which the amounts are  
24 first made available shall be allocated  
25 to open fundamental research pool ap-

1                   plicants on a competitive basis in ac-  
2                   cordance with clause (i).

3                   (C) OTHER RESEARCH ACTIVITIES.—

4                   (i) OPEN INTEGRATED RESEARCH  
5                   POOL.—The Director shall allocate not less  
6                   than 80 percent of amounts described in  
7                   subparagraph (A)(ii) to eligible applicants  
8                   on a competitive basis, including applicants  
9                   representing—

10                   (I) colleges, universities, and  
11                   other institutions of higher education;  
12                   and

13                   (II) other individuals and entities  
14                   eligible to receive funding under the  
15                   National Research Initiative.

16                   (ii) RESERVATION AND REVERSION.—

17                   (I) IN GENERAL.—The Director  
18                   shall reserve 20 percent of amounts  
19                   described in subparagraph (A)(ii) for  
20                   allocation to 1890 Institutions, 1994  
21                   Institutions, Insular Area Institutions,  
22                   and Small 1862 Land-Grant Institu-  
23                   tions on a competitive basis, subject  
24                   to—

1           (aa) applicable peer and  
2 merit review requirements of  
3 Federal law (including regula-  
4 tions); and

5           (bb) such other peer and  
6 merit review requirements as the  
7 Director determines to be appro-  
8 priate.

9           (II) REVERSION OF UNUSED RE-  
10 SERVED FUNDS.—Any amounts re-  
11 served under subclause (I) that are  
12 not allocated to institutions under  
13 that subclause by the end of the 2-  
14 year period following October 1 of the  
15 fiscal year for which the amounts are  
16 first made available shall be allocated  
17 to open integrated research pool appli-  
18 cants on a competitive basis in accord-  
19 ance with clause (i).

20           (D) EDUCATION AND EXTENSION INTE-  
21 GRATION.—The Director shall integrate into  
22 competitive programs of the National Institutes  
23 for Food and Agriculture national and global  
24 educational and extension initiatives, to the  
25 maximum extent practicable.

1 (E) INDIRECT COSTS.—

2 (i) IN GENERAL.—Except as provided  
3 in clause (ii), the Director shall provide for  
4 the payment of allowable indirect costs as-  
5 sociated with competitive programs of the  
6 National Institutes for Food and Agri-  
7 culture in accordance with section 1462 of  
8 the National Agricultural Research, Exten-  
9 sion, and Teaching Policy Act of 1977 (7  
10 U.S.C. 3310).

11 (ii) EXCEPTION.—For each of fiscal  
12 years 2008 through 2012, the Director  
13 shall ensure that allowable indirect costs,  
14 associated with competitive programs of  
15 the National Institutes for Food and Agri-  
16 culture that are funded under section  
17 104(b)(1)(B), shall not be paid at a rate  
18 that exceeds the levels generally provided  
19 for those competitive programs for fiscal  
20 year 2007.

21 (3) ENHANCED CAPACITY PROGRAM FUND-  
22 ING.—The Director shall use 30 percent of amounts  
23 described in paragraph (1) to carry out capacity pro-  
24 grams, of which—

1 (A) for each of fiscal years 2008 through  
2 2012—

3 (i) 77.5 percent shall be allocated to  
4 capacity programs in accordance with the  
5 proportion that—

6 (I) the amount received by the  
7 applicable capacity program during  
8 fiscal year 2007; bears to

9 (II) the total amount made avail-  
10 able for all capacity programs for fis-  
11 cal year 2007; and

12 (ii) 17.5 percent shall be allocated to  
13 1890 Institutions, 1994 Institutions, Insu-  
14 lar Area Institutions, Small 1862 Land-  
15 Grant Institutions, and ASCARR Institu-  
16 tions for institutional enhancement capac-  
17 ity programs, of which—

18 (I) 36 percent shall be for 1890  
19 Institutions;

20 (II) 26 percent shall be for 1994  
21 Institutions, except that an amount  
22 from that 26 percent shall be allo-  
23 cated to Insular Area Institutions in  
24 accordance with the proportion that—

1 (aa) the amount received by  
2 the applicable Institution during  
3 fiscal year 2007; bears to

4 (bb) the total amount made  
5 available for all 1890 Institu-  
6 tions, 1994 Institutions, Insular  
7 Area Institutions, Small 1862  
8 Land-Grant Institutions, and  
9 ASCARR Institutions for fiscal  
10 year 2007;

11 (III) 26 percent shall be for  
12 Small 1862 Land-Grant Institutions;  
13 and

14 (IV) 12 percent shall be for  
15 ASCARR Institutions; and

16 (B) 5 percent shall be deposited into the  
17 enhancement fund of the National Institutes for  
18 Food and Agriculture to fund capacity invest-  
19 ments that are consistent with capacity pro-  
20 grams of the National Institutes for Food and  
21 Agriculture, as determined by the Director, in  
22 consultation with the Secretary and the Coun-  
23 cil.

1 **SEC. 106. SINGLE BUDGET SUBMISSION.**

2 The President shall submit to Congress, together  
3 with the annual budget submission of the President, a sin-  
4 gle combined budget line item reflecting the total amount  
5 requested by the President for funding for the National  
6 Institutes for Food and Agriculture, including funding for  
7 capacity programs, competitive programs, and other appli-  
8 cable National Institutes for Food and Agriculture pro-  
9 grams.

10 **SEC. 107. CAPACITY BUILDING GRANTS FOR ASCARR INSTI-**  
11 **TUTIONS.**

12 (a) GRANT PROGRAM.—

13 (1) IN GENERAL.—The Secretary or the Direc-  
14 tor, as appropriate, shall make grants to ASCARR  
15 Institutions to assist the ASCARR Institutions in  
16 maintaining and expanding the capacity of the  
17 ASCARR Institutions to conduct education, re-  
18 search, and outreach activities relating to—

19 (A) agriculture;

20 (B) renewable resources; and

21 (C) other similar disciplines.

22 (2) REQUIREMENTS.—The Secretary or the Di-  
23 rector, as appropriate, shall make grants under this  
24 section—

25 (A)(i) through a competitive application  
26 process under which appropriate officials of

1           ASCARR Institutions may submit applications  
2           in such form and manner as the Secretary or  
3           the Director, as appropriate, may prescribe; or

4           (ii) through a noncompetitive application  
5           process; and

6           (B) in such manner as to ensure geo-  
7           graphic diversity with respect to the ASCARR  
8           Institutions that are the subjects of the grants.

9           (3) USE OF FUNDS.—An ASCARR Institution  
10          that receives a grant under subsection (a)(1) may  
11          use the funds made available through the grant to  
12          maintain and expand the capacity of the ASCARR  
13          Institution—

14               (A) to successfully compete for funds from  
15               Federal grants and other sources to carry out  
16               educational, research, and outreach activities  
17               that address priority concerns of national, re-  
18               gional, State, and local interest;

19               (B) to disseminate information relating to  
20               priority concerns to—

21                       (i) interested members of the agri-  
22                       culture, renewable resources, and related  
23                       stakeholder communities;

24                       (ii) the public; and

25                       (iii) any other interested entity;

1 (C) to encourage members of the agri-  
2 culture, renewable resources, and related stake-  
3 holder communities to participate in priority  
4 education, research, and outreach activities by  
5 providing matching funding to leverage grant  
6 funds; and

7 (D) through—

8 (i) the purchase or other acquisition  
9 of equipment and other infrastructure (not  
10 including the construction of new build-  
11 ings);

12 (ii) the renovation of facilities;

13 (iii) the professional growth and devel-  
14 opment of the faculty of the ASCARR In-  
15 stitution; and

16 (iv) the development of human capital  
17 (including through the use of graduate  
18 assistantships).

19 (b) AUTHORIZATION OF APPROPRIATIONS.—There  
20 are authorized to be appropriated to carry out this sec-  
21 tion—

22 (1) \$5,000,000 for fiscal year 2008;

23 (2) \$8,000,000 for fiscal year 2009;

24 (3) \$10,000,000 for fiscal year 2010;

25 (4) \$13,000,000 for fiscal year 2011;

- 1           (5) \$17,000,000 for fiscal year 2012; and  
2           (6) such sums as are necessary for fiscal year  
3           2013 and each fiscal year thereafter.

## 4           **TITLE II—MODIFICATIONS**

### 5           **SEC. 201. MERIT REVIEW OF EXTENSION AND EDU-** 6           **CATIONAL GRANTS.**

7           Section 103 of the Agricultural Research, Extension,  
8           and Education Reform Act of 1998 (7 U.S.C. 7613) is  
9           amended in subsection (a), by striking paragraph (2) and  
10          inserting the following:

11           “(2) MERIT REVIEW OF EXTENSION AND EDU-  
12          CATION GRANTS.—The Secretary shall establish pro-  
13          cedures that provide for merit review of each agri-  
14          cultural extension or education grant administered,  
15          on a competitive basis, by the National Institutes for  
16          Food and Agriculture.”.

### 17          **SEC. 202. REPEAL PLAN OF WORK REQUIREMENTS.**

18          (a) EXTENSION AT 1890 LAND-GRANT COLLEGES.—  
19          Section 1444(d) of the National Agricultural Research,  
20          Extension, and Teaching Policy Act of 1977 (7 U.S.C.  
21          3221(d)) is amended—

- 22                 (1) in paragraph (1), by striking the second  
23                 sentence; and  
24                 (2) by striking paragraphs (3) through (5).

1           (b) RESEARCH AT 1890 LAND-GRANT COLLEGES.—  
2 Section 1445 of the National Agricultural Research, Ex-  
3 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3222)  
4 is amended—

5           (1) by striking subsection (a) and inserting the  
6 following:

7           “(a) AUTHORIZATION OF APPROPRIATIONS.—There  
8 are authorized to be appropriated annually such sums as  
9 Congress may determine necessary to support continuing  
10 agricultural research at colleges eligible to receive funds  
11 under the Act of August 30, 1890 (26 Stat. 417–419, as  
12 amended; 7 U.S.C. 321–326 and 328), including Tuskegee  
13 University (hereinafter referred to in this section as ‘eligi-  
14 ble institutions’).”;

15           (2) by striking subsection (c) and inserting the  
16 following:

17           “(c) PROGRAM.—The director of the State agricul-  
18 tural experiment station in each State in which an eligible  
19 institution is located, and the research director specified  
20 in subsection (d) in each of the eligible institutions in that  
21 State, shall jointly develop, by mutual agreement, a com-  
22 prehensive program of agricultural research in the State,  
23 to be submitted for approval by the Secretary not later  
24 than 1 year after the date of enactment of this title.”.

25           (c) HATCH ACT OF 1887.—

1           (1) CONFORMING AMENDMENTS.—Section 3 of  
2           the Hatch Act of 1887 (7 U.S.C. 361e) is amend-  
3           ed—

4                   (A) by striking subsection (h) and insert-  
5           ing the following:

6           “(h) PEER REVIEW AND PLAN OF WORK.—Research  
7           carried out under subsection (c)(3) shall be subject to sci-  
8           entific peer review. The review of a project conducted  
9           under this paragraph shall be considered to satisfy the  
10          merit review requirements of section 103(e) of the Agricul-  
11          tural Research, Extension, and Education Reform Act of  
12          1998.”; and

13                   (B) in subsection (i)(2), by striking sub-  
14          paragraph (D).

15          (2) REPEAL.—Section 7 of the Hatch Act of  
16          1887 (7 U.S.C. 361g) is amended by striking sub-  
17          sections (d) through (g).

18          (d) SMITH-LEVER ACT.—

19                   (1) CONFORMING AMENDMENT.—Section  
20          3(h)(2) of the Smith-Lever Act (7 U.S.C. 343(h)(2))  
21          is amended by striking subparagraph (D).

22                   (2) REPEAL.—Section 4 of the Smith-Lever Act  
23          (7 U.S.C. 344) is amended by striking subsections  
24          (c) through (e).

1 **SEC. 203. INDIRECT COSTS.**

2 Section 1462 of the National Agricultural Research,  
3 Extension, and Teaching Policy Act of 1977 (7 U.S.C.  
4 3310) is amended by striking subsection (a) and inserting  
5 the following:

6 “(a) IN GENERAL.—Except as otherwise provided in  
7 law, and in accordance with the requirements under sec-  
8 tion 105(c)(1)(E) of the CREATE-21 Act of 2007, indi-  
9 rect costs charged against a competitive agricultural re-  
10 search, education, or extension grant awarded under this  
11 Act, the CREATE-21 Act of 2007, or any other Act pur-  
12 suant to authority delegated to the Director of the Na-  
13 tional Institutes for Food and Agriculture shall not exceed  
14 the negotiated indirect rate of cost established for an insti-  
15 tution by the appropriate Federal audit agency for the in-  
16 stitution.”.

17 **TITLE III—EXTENSIONS**

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

21 **SEC. 301. GRANTS AND FELLOWSHIPS FOR FOOD AND AGRI-**  
22 **CULTURAL SCIENCES EDUCATION.**

23 Section 1417(*l*) of the National Agricultural Re-  
24 search, Extension, and Teaching Policy Act of 1977 (7  
25 U.S.C. 3152(*l*)) is amended by striking “2007” and in-  
26 serting “2012”.

1 **SEC. 302. GRANTS FOR RESEARCH ON PRODUCTION AND**  
2 **MARKETING OF ALCOHOLS AND INDUSTRIAL**  
3 **HYDROCARBONS FROM AGRICULTURAL COM-**  
4 **MODITIES AND FOREST PRODUCTS.**

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

9 **SEC. 303. POLICY RESEARCH CENTERS.**

10 Section 1419A(d) of the National Agricultural Re-  
11 search, Extension, and Teaching Policy Act of 1977 (7  
12 U.S.C. 3155(d)) is amended by striking “2007” and in-  
13 serting “2012”.

14 **SEC. 304. HUMAN NUTRITION INTERVENTION AND HEALTH**  
15 **PROMOTION RESEARCH PROGRAM.**

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

20 **SEC. 305. PILOT RESEARCH PROGRAM TO COMBINE MED-**  
21 **ICAL AND AGRICULTURAL RESEARCH.**

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

1 **SEC. 306. NUTRITION EDUCATION PROGRAM.**

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

6 **SEC. 307. CONTINUING ANIMAL HEALTH AND DISEASE RE-**  
7 **SEARCH PROGRAMS.**

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

12 **SEC. 308. APPROPRIATIONS FOR RESEARCH ON NATIONAL**  
13 **OR REGIONAL PROBLEMS.**

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

18 **SEC. 309. GRANTS TO UPGRADE AGRICULTURAL AND FOOD**  
19 **SCIENCES FACILITIES AT 1890 LAND-GRANT**  
20 **COLLEGES, INCLUDING TUSKEGEE UNIVER-**  
21 **SITY.**

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

1 **SEC. 310. NATIONAL RESEARCH AND TRAINING VIRTUAL**  
2 **CENTERS.**

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

7 **SEC. 311. MATCHING FUNDS REQUIREMENT FOR RE-**  
8 **SEARCH AND EXTENSION ACTIVITIES OF 1890**  
9 **INSTITUTIONS.**

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

14 **SEC. 312. HISPANIC-SERVING INSTITUTIONS.**

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

19 **SEC. 313. COMPETITIVE GRANTS FOR INTERNATIONAL AG-**  
20 **RICULTURAL SCIENCE AND EDUCATION PRO-**  
21 **GRAMS.**

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

1 **SEC. 314. 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. 315. 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. 316. 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. 317. 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. 318. AQUACULTURE RESEARCH FACILITIES.**

22 Section 1477 of the National Agricultural Research,  
23 Extension, and Teaching Policy Act of 1977 (7 U.S.C.  
24 3324) is amended by striking “2007” and inserting  
25 “2012”.

1 **SEC. 319. RANGELAND RESEARCH.**

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

6 **SEC. 320. SPECIAL AUTHORIZATION FOR BIOSECURITY**  
7 **PLANNING AND RESPONSE.**

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

12 **SEC. 321. RESIDENT INSTRUCTION AND DISTANCE EDU-**  
13 **CATION GRANTS PROGRAM FOR INSULAR**  
14 **AREA INSTITUTIONS OF HIGHER EDUCATION.**

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

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

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

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

3   **Subtitle B—Food, Agriculture, Con-**  
4   **servation, and Trade Act of 1990**

5   **SEC. 331. NATIONAL GENETICS RESOURCES PROGRAM.**

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

9   **SEC. 332. HIGH-PRIORITY RESEARCH AND EXTENSION INI-**  
10           **TIATIVES.**

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

14   **SEC. 333. NUTRIENT MANAGEMENT RESEARCH AND EXTEN-**  
15           **SION INITIATIVE.**

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

19           (1) by redesignating subsection (g) as sub-  
20   section (f); and

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

1 **SEC. 334. ORGANIC AGRICULTURE RESEARCH AND EXTEN-**  
2 **SION INITIATIVE.**

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

6 **SEC. 335. AGRICULTURAL TELECOMMUNICATIONS PRO-**  
7 **GRAM.**

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

11 **SEC. 336. ASSISTIVE TECHNOLOGY PROGRAM FOR FARM-**  
12 **ERS WITH DISABILITIES.**

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

16 **SEC. 337. NATIONAL RURAL INFORMATION CENTER CLEAR-**  
17 **INGHOUSE.**

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

1 **Subtitle C—Agricultural Research,**  
2 **Extension, and Education Re-**  
3 **form Act of 1998**

4 **SEC. 341. PARTNERSHIPS FOR HIGH-VALUE AGRICULTURAL**  
5 **PRODUCT QUALITY RESEARCH.**

6 Section 402(g) of the Agricultural Research, Exten-  
7 sion, and Education Reform Act of 1998 (7 U.S.C.  
8 7622(g)) is amended by striking “2007” and inserting  
9 “2012”.

10 **SEC. 342. PRECISION AGRICULTURE.**

11 Section 403(i)(1) of the Agricultural Research, Ex-  
12 tension, and Education Reform Act of 1998 (7 U.S.C.  
13 7623(i)(1)) is amended by striking “2007” and inserting  
14 “2012”.

15 **SEC. 343. BIOBASED PRODUCTS.**

16 (a) **PILOT PROJECT.**—Section 404(e)(2) of the Agri-  
17 cultural Research, Extension, and Education Reform Act  
18 of 1998 (7 U.S.C. 7624(e)(2)) is amended by striking  
19 “2007” and inserting “2012”.

20 (b) **AUTHORIZATION OF APPROPRIATIONS.**—Section  
21 404(h) of the Agricultural Research, Extension, and Edu-  
22 cation Reform Act of 1998 (7 U.S.C. 7624(h)) is amended  
23 by striking “2007” and inserting “2012”.

1 **SEC. 344. THOMAS JEFFERSON INITIATIVE FOR CROP DI-**  
2 **VERSIFICATION.**

3 Section 405(h) of the Agricultural Research, Exten-  
4 sion, and Education Reform Act of 1998 (7 U.S.C.  
5 7625(h)) is amended by striking “2007” and inserting  
6 “2012”.

7 **SEC. 345. INTEGRATED RESEARCH, EDUCATION, AND EX-**  
8 **TENSION COMPETITIVE GRANTS PROGRAM.**

9 Section 406(f) of the Agricultural Research, Exten-  
10 sion, and Education Reform Act of 1998 (7 U.S.C.  
11 7626(f)) is amended by striking “2007” and inserting  
12 “2012”.

13 **SEC. 346. SUPPORT FOR RESEARCH REGARDING DISEASES**  
14 **OF WHEAT, TRITICALE, AND BARLEY CAUSED**  
15 **BY FUSARIUM GRAMINEARUM OR BY**  
16 **TILLETIA INDICA.**

17 Section 408(e) of the Agricultural Research, Exten-  
18 sion, and Education Reform Act of 1998 (7 U.S.C.  
19 7628(e)) is amended by striking “2007” and inserting  
20 “2012”.

21 **SEC. 347. BOVINE JOHNE’S DISEASE CONTROL PROGRAM.**

22 Section 409(b) of the Agricultural Research, Exten-  
23 sion, and Education Reform Act of 1998 (7 U.S.C.  
24 7629(b)) is amended by striking “2007” and inserting  
25 “2012”.

1 **SEC. 348. GRANTS FOR YOUTH ORGANIZATIONS.**

2 Section 410(c) of the Agricultural Research, Exten-  
3 sion, and Education Reform Act of 1998 (7 U.S.C.  
4 7630(c)) is amended by striking “2007” and inserting  
5 “2012”.

6 **SEC. 349. AGRICULTURAL BIOTECHNOLOGY RESEARCH**  
7 **AND DEVELOPMENT FOR DEVELOPING COUN-**  
8 **TRIES.**

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

13 **SEC. 350. OFFICE OF PEST MANAGEMENT POLICY.**

14 Section 614(f) of the Agricultural Research, Exten-  
15 sion, and Education Reform Act of 1998 (7 U.S.C.  
16 7653(f)) is amended by striking “2007” and inserting  
17 “2012”.

18 **Subtitle D—Other Laws**

19 **SEC. 371. CRITICAL AGRICULTURAL MATERIALS ACT.**

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

23 **SEC. 372. EQUITY IN EDUCATIONAL LAND-GRANT STATUS**  
24 **ACT OF 1994.**

25 (a) ENDOWMENT FOR 1994 INSTITUTIONS.—Section  
26 533(b) of the Equity in Educational Land-Grant Status

1 Act of 1994 (7 U.S.C. 301 note; Public Law 103–382)  
2 is amended in the first sentence by striking “2007” and  
3 inserting “2012”.

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

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

13 **SEC. 373. AGRICULTURAL EXPERIMENT STATION RE-**  
14 **SEARCH 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. 374. 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; 116 Stat. 436) is  
24 amended by striking “2007” and inserting “2012”.

1 **SEC. 375. COMPETITIVE, SPECIAL, AND FACILITIES RE-**  
2 **SEARCH GRANT ACT (NATIONAL RESEARCH**  
3 **INITIATIVE).**

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

7 **SEC. 376. BEGINNING FARMER AND RANCHER DEVELOP-**  
8 **MENT PROGRAM.**

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

12 **SEC. 377. AGRICULTURAL RISK PROTECTION ACT OF 2000**  
13 **(CARBON CYCLE RESEARCH).**

14 Section 221(g) of the Agricultural Risk Protection  
15 Act of 2000 (7 U.S.C. 6711(g)) is amended by striking  
16 “2007” and inserting “2012”.

17 **SEC. 378. RENEWABLE RESOURCES EXTENSION ACT OF**  
18 **1978.**

19 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Section  
20 6 of the Renewable Resources Extension Act of 1978 (16  
21 U.S.C. 1675) is amended by striking “2007” and insert-  
22 ing “2012”.

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

1 **SEC. 379. 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 **TITLE IV—ENHANCEMENTS**

6 **Subtitle A—Research and**

7 **Extension**

8 **SEC. 401. COMPLIANCE WITH MULTISTATE AND INTEGRA-**  
9 **TION REQUIREMENTS.**

10 (a) FUNDS EXPENDED ON MULTISTATE COOPERA-  
11 TIVE EXTENSION ACTIVITIES.—Section 3 of the Smith-  
12 Lever Act (7 U.S.C. 343) is amended by striking sub-  
13 section (h) and inserting the following:

14 “(h) MULTISTATE COOPERATIVE EXTENSION AC-  
15 TIVITIES.—

16 “(1) DEFINITION OF MULTISTATE ACTIVITY.—  
17 In this subsection, the term ‘multistate activity’  
18 means a cooperative extension activity in which 2 or  
19 more States cooperate to resolve problems that con-  
20 cern more than 1 State.

21 “(2) REQUIREMENT.—

22 “(A) IN GENERAL.—To receive funding  
23 under subsections (b) and (c) for a fiscal year,  
24 a State must have expended on multistate ac-  
25 tivities, in the preceding fiscal year, an amount  
26 equivalent to not less than 25 percent of the

1 funds paid to the State under subsections (b)  
2 and (c) for the preceding fiscal year.

3 “(B) DETERMINATION OF AMOUNT.—In  
4 determining compliance with subparagraph (A),  
5 the Secretary shall include all cooperative exten-  
6 sion funds expended by the State in the pre-  
7 ceeding fiscal year, including Federal, State, and  
8 local funds.

9 “(3) REDUCTION OF PERCENTAGE.—The Sec-  
10 retary may reduce the minimum percentage required  
11 to be expended for multistate activities under para-  
12 graph (2) by a State in a case of hardship,  
13 unfeasibility, or other similar circumstances beyond  
14 the control of the State, as determined by the Sec-  
15 retary.

16 “(4) APPLICABILITY.—This subsection does not  
17 apply to funds provided—

18 “(A) to a 1994 Institution (as defined in  
19 section 532 of the Equity in Educational Land-  
20 Grant Status Act of 1994 (7 U.S.C. 301 note;  
21 Public Law 103–382)); or

22 “(B) to the Commonwealth of Puerto Rico,  
23 the Virgin Islands, or Guam.”.

24 (b) FUNDS EXPENDED ON INTEGRATED RESEARCH  
25 AND EXTENSION ACTIVITIES.—Section 3 of the Hatch

1 Act of 1887 (7 U.S.C. 361c) is amended by striking sub-  
2 section (i) and inserting the following:

3 “(i) INTEGRATED RESEARCH AND EXTENSION AC-  
4 TIVITIES.—

5 “(1) IN GENERAL.—

6 “(A) REQUIREMENT.—To receive funding  
7 under this Act and subsections (b) and (c) of  
8 section 3 of the Smith-Lever Act (7 U.S.C.  
9 343) for a fiscal year, a State must have ex-  
10 pended on activities that integrate cooperative  
11 research and extension (referred to in this sec-  
12 tion as ‘integrated activities’), in the preceding  
13 fiscal year, an amount equivalent to not less  
14 than 25 percent of the funds paid to the State  
15 under this section and subsections (b) and (c)  
16 of section 3 of the Smith-Lever Act (7 U.S.C.  
17 343) for the preceding fiscal year.

18 “(B) DETERMINATION OF AMOUNT.—In  
19 determining compliance with subparagraph (A),  
20 the Secretary shall include all cooperative re-  
21 search and extension funds expended by the  
22 State in the prior fiscal year, including Federal,  
23 State, and local funds.

24 “(2) REDUCTION OF PERCENTAGE.—The Sec-  
25 retary may reduce the minimum percentage required

1 to be expended for integrated activities under para-  
2 graph (1) by a State in a case of hardship,  
3 unfeasibility, or other similar circumstances beyond  
4 the control of the State, as determined by the Sec-  
5 retary.

6 “(3) APPLICABILITY.—This subsection does not  
7 apply to funds provided

8 “(A) to a 1994 Institution (as defined in  
9 section 532 of the Equity in Educational Land-  
10 Grant Status Act of 1994 (7 U.S.C. 301 note;  
11 Public Law 103–382)); or

12 “(B) to the Commonwealth of Puerto Rico,  
13 the Virgin Islands, or Guam.

14 “(4) RELATIONSHIP TO OTHER REQUIRE-  
15 MENTS.—Funds described in paragraph (1)(B) that  
16 a State uses to calculate the required amount of ex-  
17 penditures for integrated activities under paragraph  
18 (1)(A) may also be used in the same fiscal year to  
19 calculate the amount of expenditures for multistate  
20 activities required under subsection (c)(3) of this  
21 section and section 3(h) of the Smith-Lever Act (7  
22 U.S.C. 343(h)).”.

1 **SEC. 402. EXPANSION OF FOOD AND AGRICULTURAL**  
2 **SCIENCES AWARDS.**

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

6 (1) in the subsection heading by striking  
7 “Teaching Awards” and inserting “Teaching, Exten-  
8 sion, and Research Awards”; and

9 (2) by striking paragraph (1) and inserting the  
10 following:

11 “(1) ESTABLISHMENT.—The Secretary shall es-  
12 tablish a National Food and Agricultural Sciences  
13 Teaching, Extension, and Research Awards program  
14 to recognize and promote excellence in teaching, ex-  
15 tension, and research in the food and agricultural  
16 sciences at a college or university. The Secretary  
17 shall make at least one cash award in each fiscal  
18 year to a nominee selected by the Secretary for ex-  
19 cellence in each of the areas of teaching, extension,  
20 and research of food and agricultural science at a  
21 college or university.”.

22 **SEC. 403. SUSTAINABLE HUMAN DEVELOPMENT INITIA-**  
23 **TIVE.**

24 Subtitle C of title XIV of the National Agriculture  
25 Research, Extension, and Teaching Policy Act of 1977 (7

1 U.S.C. 3121 et seq.) is amended by adding at the end  
2 the following:

3 **“SEC. 1413C. SUSTAINABLE HUMAN DEVELOPMENT INITIA-**  
4 **TIVE.**

5 “(a) IN GENERAL.—The Secretary, through the Co-  
6 operative State Research, Education, and Extension Serv-  
7 ice or any successor organization, shall establish and carry  
8 out a sustainable human development initiative using an  
9 interdisciplinary approach to demonstrate the importance  
10 of—

11 “(1) enhancing and sustaining human capital  
12 and resources along with economic growth in both  
13 developing and advanced economies;

14 “(2) improving health and nutrition and sup-  
15 porting the stability and well-being of women, chil-  
16 dren, and families throughout the world;

17 “(3) protecting the environment while carrying  
18 out necessary development activities; and

19 “(4) achieving and maintaining social justice  
20 along with economic and social opportunity.

21 “(b) PARTNERSHIPS.—In carrying out this section,  
22 the Secretary shall enter into partnerships with colleges  
23 and universities and with such other public and private  
24 entities as the Secretary deems appropriate to assemble

1 individuals with appropriate levels of training and experi-  
2 ence in disciplines that can further the initiative.

3 “(c) INTEGRATION INTO ACTIVITIES.—The Secretary  
4 shall endeavor to integrate the principles of sustainable  
5 human development into the research, extension, teaching,  
6 and related activities carried out under this Act and such  
7 related authorities as the Secretary determines appro-  
8 priate.”.

## 9 **Subtitle B—Nutrition**

### 10 **SEC. 411. EXPANDED FOOD AND NUTRITION EDUCATION** 11 **PROGRAM.**

12 (a) FUNDING TO 1862, 1890, AND INSULAR AREA  
13 INSTITUTIONS.—Section 1425(c)(2)(B) of the National  
14 Agriculture Research, Extension, and Teaching Policy Act  
15 of 1977 (7 U.S.C. 3175(c)(2)(B)) is amended

16 (1) in the prefatory material by striking  
17 “among the States”;

18 (2) by striking clause (i) and inserting the fol-  
19 lowing:

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

23 (3) by redesignating clause (ii) as clause (iii);

24 (4) by inserting after clause (i) the following:

1       “(ii) subject to subsection (d), of the remainder, 10  
2 percent in fiscal year 2008, 11 percent in fiscal year 2009,  
3 12 percent in fiscal year 2010, 13 percent in fiscal year  
4 2011, 14 percent in fiscal year 2012, and 15 percent in  
5 fiscal year 2013 and each fiscal year thereafter, shall be  
6 allocated to each 1890 Institution (as defined in section  
7 2 of the Agricultural Research, Extension, and Education  
8 Reform Act of 1998) in an amount that bears the same  
9 ratio to the total amount to be allocated under this clause  
10 as the population of the State living at or below 125 per-  
11 cent of the income poverty guidelines prescribed by the  
12 Office of Management and Budget (adjusted pursuant to  
13 section 673(2) of the Omnibus Budget Reconciliation Act  
14 of 1981 (42 U.S.C. 9902)), bears to the total population  
15 of all the States that have 1890 Institutions living at or  
16 below 125 percent of the income poverty guidelines, as de-  
17 termined by the last preceding decennial census at the  
18 time each such additional amount is first appropriated:  
19 Provided, That the total allocated under this clause shall  
20 not exceed (I) the amount of the funds appropriated for  
21 the conduct of the expanded food and nutrition education  
22 program for the fiscal year that are in excess of the  
23 amount appropriated for the conduct of the program for  
24 the fiscal year ending September 30, 2007, reduced by (II)

1 any amounts expended pursuant to any adjustment under  
2 subsection (d); and”;

3 (5) By amending clause (iii), as redesignated—

4 (A) by striking “allocated to each State”  
5 and inserting “allocated to the institution eligi-  
6 ble to receive funds under the Act of July 2,  
7 1862 (and including the appropriate insular  
8 area institution) in each State (and the Univer-  
9 sity of the District of Columbia, notwith-  
10 standing section 208(c) of Public Law 93-  
11 471)”;

12 (B) by striking “subparagraph.” and in-  
13 sserting “subparagraph: Provided, That the total  
14 allocated under this clause to the University of  
15 the District of Columbia shall not exceed (I) the  
16 amount described in the proviso to clause (ii),  
17 reduced further by (II) the amount allocated  
18 under clause (ii).”.

19 (b) AUTHORIZATION.—Section 1425(c)(3) of the Na-  
20 tional Agriculture Research, Extension, and Teaching Pol-  
21 icy Act of 1977 (7 U.S.C. 3175(c)(3)) is amended by  
22 striking “\$83,000,000 for each of fiscal years 1996  
23 though 2007” and inserting “\$90,000,000 for each of fis-  
24 cal years 2008 through 2014”.

1 (c) EFFECTIVE DATE.—The amendments made by  
2 this section take effect on October 1, 2007.

3 **SEC. 412. UNIVERSITY OF THE DISTRICT OF COLUMBIA ELI-**  
4 **GIBILITY FOR THE EXPANDED FOOD AND NU-**  
5 **TRITION PROGRAM.**

6 Section 3 of the Smith-Lever Act (7 U.S.C. 343) is  
7 amended by adding at the end the following:

8 “(k) ELIGIBILITY.—The 1862 Land-Grant Institu-  
9 tion in the District of Columbia, as defined under section  
10 208 of the District of Columbia Public Postsecondary  
11 Education Reorganization Act of October 26, 1974 (Pub-  
12 lic Law 93–471, 88 Stat. 1428), shall be eligible under  
13 this section to participate in the expanded food and nutri-  
14 tion education program established under section 1425 of  
15 the National Agriculture Research, Extension, and Teach-  
16 ing Policy Act of 1977 (7 U.S.C. 3175).”.

17 **SEC. 413. FOOD STAMP NUTRITION EDUCATION REIM-**  
18 **BURSEMENT FOR 1890 INSTITUTIONS.**

19 Notwithstanding any other provision of law, the Sec-  
20 retary of Agriculture may reimburse a State participating  
21 in the Food Stamp Nutrition Education Program at the  
22 rate of 100 percent for allowable expenditures for nutri-  
23 tion education provided by an 1890 Institution (as defined  
24 in section 2 of the Agricultural Research, Extension, and  
25 Education Reform Act of 1998 (7 U.S.C. 7601(2)), if the

1 Secretary determines that the 1890 Institution would oth-  
2 erwise be unable to provide the Nutrition Education.

3 **SEC. 414. REAUTHORIZATION OF THE NATIONAL NUTRI-**  
4 **TION MONITORING AND RELATED RESEARCH**  
5 **ACT OF 1990.**

6 (a) COORDINATED PROGRAM.—Section 101(a) of the  
7 National Nutrition Monitoring and Related Research Act  
8 of 1990 (7 U.S.C. 5311(a)) is amended by striking “ten-  
9 year”.

10 (b) IMPLEMENTATION PERIOD.—Section 104(a) of  
11 the National Nutrition Monitoring and Related Research  
12 Act of 1990 (7 U.S.C. 5314(a)) is amended by striking  
13 “shall be carried” and all that follows through “section  
14 103(d)(2) and”.

15 (c) AUTHORIZATION.—Section 106 of the National  
16 Nutrition Monitoring and Related Research Act of 1990  
17 (7 U.S.C. 5316) is amended

18 (1) in subsection (b)(1), by striking “authorize  
19 the appropriation or”; and

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

21 “(c) AUTHORIZATION.—There are authorized to be  
22 appropriated such sums as may be necessary to carry out  
23 this title for each of the 7 fiscal years beginning with fiscal  
24 year 2008.”.

1           **Subtitle C—1890 Initiatives**

2   **SEC. 421. RESEARCH AND EDUCATION UNDER THE NA-**  
3                   **TIONAL AGRICULTURAL RESEARCH, EXTEN-**  
4                   **SION, AND TEACHING POLICY ACT OF 1977.**

5           (a) **IN GENERAL.**—Section 1445(a)(2) of the Na-  
6   tional Agriculture Research, Extension, and Teaching Pol-  
7   icy Act of 1977 (7 U.S.C. 3222(a)(2)) is amended by  
8   striking “25 percent” and inserting “30 percent”.

9           (b) **EFFECTIVE DATE.**—The amendment made by  
10   subsection (a) shall take effect on October 1, 2007.

11   **SEC. 422. EXTENSION FORMULA PROGRAMS UNDER THE**  
12                   **NATIONAL AGRICULTURAL RESEARCH, EX-**  
13                   **TENSION, AND TEACHING POLICY ACT OF**  
14                   **1977.**

15           (a) **IN GENERAL.**—Section 1444(a)(2) of the Na-  
16   tional Agriculture Research, Extension, and Teaching Pol-  
17   icy Act of 1977 (7 U.S.C. 3221(a)(2)) is amended by  
18   striking “15 percent” and inserting “20 percent”.

19           (b) **EFFECTIVE DATE.**—The amendment made by  
20   subsection (a) shall take effect on October 1, 2007.

21   **SEC. 423. CHILDREN, YOUTH, AND FAMILIES EDUCATION**  
22                   **AND RESEARCH NETWORK (CYFERNET) PRO-**  
23                   **GRAM.**

24           In carrying out the Children, Youth, and Families  
25   Education and Research Network Program under section

1 3(d) of the Smith-Lever Act (7 U.S.C. 343(d)), the Sec-  
2 retary shall include 1890 Institutions as eligible program  
3 applicants and participants. In this section, the term  
4 “1890 Institutions” has the same meaning as in section  
5 2 of the Agricultural Research, Extension, and Education  
6 Reform Act of 1998 (7 U.S.C. 7601(2)).

7 **SEC. 424. ANIMAL HEALTH AND DISEASE RESEARCH PRO-**  
8 **GRAM.**

9 Section 1434(b) of the National Agriculture Re-  
10 search, Extension, and Teaching Policy Act of 1977 (7  
11 U.S.C. 3196(b)) is amended by inserting after “univer-  
12 sities” the following: “(including 1890 Institutions (as de-  
13 fined in section 2 of the Agricultural Research, Extension,  
14 and Education Reform Act of 1998 (7 U.S.C. 7601(2))).”.

15 **SEC. 425. MCINTIRE-STENNIS COOPERATIVE FORESTRY**  
16 **ACT.**

17 Section 2 of Public Law 87–788 (16 U.S.C. 582a–  
18 1) is amended—

19 (1) by inserting “and 1890 Institutions,” before  
20 “and (b)”; and

21 (2) by adding at the end the following: “In  
22 states which have both 1862 Institutions and the  
23 1890 Institutions eligible for and receiving funds  
24 under this Act, the institutions shall, to the max-  
25 imum extent practicable, develop complementary

1 plans for forestry research in the State. In this sec-  
2 tion, the terms ‘1862 Institutions’ and ‘1890 Insti-  
3 tutions’ have the same meanings as in section 2 of  
4 the Agricultural Research, Extension, and Education  
5 Reform Act of 1998 (7 U.S.C. 7601(2)).”.

6 **SEC. 426. OUTREACH AND ASSISTANCE FOR SOCIALLY DIS-**  
7 **ADVANTAGED FARMERS AND RANCHERS.**

8 (a) **AUTHORIZATION.**—Section 2501(a)(4)(A) of the  
9 Food, Agriculture, Conservation, and Trade Act of 1990  
10 (7 U.S.C. 2279(a)(4)(A)) is amended by striking  
11 “\$25,000,000 for each of fiscal years 2002 through 2007”  
12 and inserting “\$50,000,000 for each of fiscal years 2008  
13 through 2014”.

14 (b) **DURATION OF AGREEMENTS.**—Section  
15 2501(a)(3)(A) of the Food, Agriculture, Conservation, and  
16 Trade Act of 1990 (7 U.S.C. 2279(a)(3)(A)) is amended  
17 by adding at the end the following: “Any grant, contract,  
18 or other agreement under this subsection may be entered  
19 into for a period of between 1 and 5 years, except that,  
20 in order to enhance program continuity, an applicant may  
21 request a multiyear grant, contract, or agreement of at  
22 least 3 years in duration.”.

1 **SEC. 427. GRANTS TO 1890 SCHOOLS TO EXPAND EXTEN-**  
2 **SION CAPACITY.**

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

8 **SEC. 428. NATIONAL CENTER FOR THE STUDY OF SOCIALY**  
9 **DISADVANTAGED FARMERS.**

10 (a) IN GENERAL.—The Secretary may make a com-  
11 petitive grant annually to a consortium of 1890 Institu-  
12 tions for the purpose of establishing and supporting a Na-  
13 tional Center for the Study of Socially Disadvantaged  
14 Farmers (referred to in this section as the “Center”).

15 (b) PURPOSES.—The purposes of the Center are—

16 (1) to conduct research, analysis, and policy  
17 formulation, and to disseminate information de-  
18 signed to improve the economic viability of socially  
19 disadvantaged farmers in the United States; and

20 (2) to evaluate the effectiveness and impact of  
21 the programs and services of the Department of Ag-  
22 riculture that serve socially disadvantaged farmers  
23 and recommend policies designed to improve the  
24 quality of those programs and services.

25 (c) DEFINITIONS.—In this section:



1           “(2) developing a trained pool of forest and  
2           natural resources scientists capable of conducting  
3           needed forestry and natural resources research.”.

## 4           **Subtitle E—Rural Development**

### 5           **SEC. 441. EXTENSION OF AGRICULTURAL TELECOMMUNI-** 6                                   **CATIONS PROGRAM TO RURAL DEVELOP-** 7                                   **MENT.**

8           Section 1673 of the Food, Agriculture, Conservation,  
9           and Trade Act of 1990 (7 U.S.C. 5926) is amended—

10           (1) by inserting “**AND RURAL DEVELOP-**  
11           **MENT**” after “**AGRICULTURAL**” in the heading;

12           (2) in subsection (a)—

13                           (A) by striking “agricultural communica-  
14                           tions” and inserting “agricultural and rural de-  
15                           velopment communications”;

16                           (B) by inserting after “and products” the  
17                           following: “, and to facilitate and enhance rural  
18                           development programs and activities”; and

19                           (C) by striking “agricultural research” and  
20                           inserting “agricultural and rural development  
21                           research”;

22           (3) in subsection (b)(1), by striking “and re-  
23           search” and inserting “research, and rural develop-  
24           ment”;

1           (4) in subsection (b)(3), by striking “indus-  
2           tries” and inserting “industries, and rural develop-  
3           ment”;

4           (5) in subsection (b)(4), by inserting “and rural  
5           development” after “agricultural”;

6           (6) in subsection (c), by—

7                 (A) striking paragraph (1); and

8                 (B) redesignating paragraphs (2) through

9                 (7) as paragraphs (1) through (6), respectively;

10           (7) in subsection (d), by amending paragraph  
11           (1) to read as follows:

12                 “(1) The Secretary of Agriculture shall estab-  
13           lish a program, to be administered through the  
14           Higher Education Program of the Cooperative State  
15           Research, Education, and Extension Service (or its  
16           successor organization), under which financial and  
17           technical assistance may be provided to eligible insti-  
18           tutions that participate in a network that distributes  
19           programs consistent with the objectives described in  
20           subsection (b) of this section.”;

21           (8) in subsection (f)(1), by inserting “rural de-  
22           velopment,” after “research,”; and

23           (9) in subsection (f)(2), by striking from “ap-  
24           plications” through “Applications”, and inserting  
25           “applications that”.

1 **SEC. 442. AUTHORIZATION OF RURAL DEVELOPMENT RE-**  
2 **SEARCH UNDER THE INITIATIVE FOR FU-**  
3 **TURE AGRICULTURE AND FOOD SYSTEMS.**

4 Section 401 of the Agricultural Research, Extension,  
5 and Education Reform Act of 1998 (7 U.S.C. 7621) is  
6 amended in subsection (c)(1)(D) by inserting “and rural  
7 development” after “development”.

8 **SEC. 443. PRIORITY INITIATIVES: LAND USE MANAGEMENT.**

9 Section 1672(e)(28) of the Food, Agriculture, Con-  
10 servation, and Trade Act of 1990 (7 U.S.C. 5925(e)(28))  
11 is amended by inserting “and the impact of land use man-  
12 agement decisions on communities” before the period.

13 **SEC. 444. PRIORITY INITIATIVES: WATER AND AIR QUALITY.**

14 Section 1672(e)(29) of the Food, Agriculture, Con-  
15 servation, and Trade Act of 1990 (7 U.S.C. 5925(e)(29))  
16 is amended by inserting “and for the purpose of better  
17 understanding community mechanisms that (A) help miti-  
18 gate agricultural impacts on water and air quality, and  
19 (B) foster collaboration between communities and land  
20 managers in mitigating those impacts” before the period.

21 **SEC. 445. PRIORITY INITIATIVES: AGROTOURISM.**

22 Section 1672(e)(31) of the Food, Agriculture, Con-  
23 servation, and Trade Act of 1990 (7 U.S.C. 5925(e)(31))  
24 is amended by inserting “and to understand the conditions  
25 under which agrotourism can thrive and have positive  
26 community impacts” before the period.

1 **SEC. 446. ORGANIC AGRICULTURE RESEARCH AND EXTEN-**  
2 **SION INITIATIVE.**

3 Section 1672B(a) of the Food, Agriculture, Con-  
4 servation, and Trade Act of 1990 (7 U.S.C. 5925b) is  
5 amended—

6 (1) in paragraph (5) by striking “and” after  
7 the semicolon;

8 (2) in paragraph (6) striking “conditions.” and  
9 inserting “conditions; and”; and

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

11 “(7) examining communities and structures  
12 that support organic agricultural enterprises.”.

13 **SEC. 447. BIOSECURITY.**

14 Section 1484(b) of the National Agriculture Re-  
15 search, Extension, and Teaching Policy Act of 1977 (7  
16 U.S.C. 3351(b)) is amended by adding at the end the fol-  
17 lowing:

18 “(5) To build community capacity to respond to  
19 biosecurity hazards in a coordinated and effective  
20 way.”.

21 **SEC. 448. BEGINNING FARMERS AND RANCHERS.**

22 Section 7405(c)(1) of the Farm Security and Rural  
23 Investment Act of 2002 (7 U.S.C. 3319f(c)(1)) is amend-  
24 ed—

25 (1) by striking “and” at the end of subpara-  
26 graph (Q);

1           (2) by redesignating subparagraph (R) as sub-  
2           paragraph (S); and

3           (3) by inserting after subparagraph (Q) the fol-  
4           lowing:

5                     “(R) the integration of beginning farmers  
6                     and ranchers in supportive community net-  
7                     works; and”.

8 **SEC. 449. RESIDENT INSTRUCTION AND DISTANT EDU-**  
9                     **CATION.**

10           Section 7501(a) of the Farm Security and Rural In-  
11           vestment Act of 2002 (7 U.S.C. 3361 note) is amended—

12                     (1) by striking “and agricultural sciences” and  
13                     inserting “, agricultural, and rural social sciences”;  
14                     and

15                     (2) by inserting “rural social sciences,” after  
16                     “economics,”.

17 **SEC. 450. TRIBAL COLLEGE AND UNIVERSITY ESSENTIAL**  
18                     **COMMUNITY FACILITIES.**

19           (a) FEDERAL SHARE.—Section 306(a)(25)(B) of the  
20           Consolidated Farm and Rural Development Act (7 U.S.C.  
21           1926(a)(25)(B)) is amended to read as follows:

22                     “(B) FEDERAL SHARE.—The Secretary  
23                     shall establish the maximum percentage of the  
24                     cost of the facility that may be covered by a  
25                     grant under this paragraph, except that the

1 Secretary may not require nonfederal financial  
2 support in an amount that is greater than 5  
3 percent of the total cost.”.

4 (b) EXTENSION.—Section 306(a)(25)(C) of the Con-  
5 solidated Farm and Rural Development Act (7 U.S.C.  
6 1926(a)(25)(C)) is amended by striking “2007” and in-  
7 serting “2014”.

8 **SEC. 451. VALUE-ADDED AGRICULTURAL PRODUCT MAR-**  
9 **KET DEVELOPMENT.**

10 Section 6401(b)(4) of the Farm Security and Rural  
11 Investment Act of 2002 (7 U.S.C. 1621 note) is amend-  
12 ed—

13 (1) By striking “FUNDING.—Not” and insert-  
14 ing “FUNDING.—”

15 “(A) INITIAL FUNDING.—Not”; and

16 (2) after subparagraph (A) as so redesignated,  
17 inserting the following:

18 “(B) SUBSEQUENT FUNDING.—In addition  
19 to any funds otherwise made available, there  
20 are authorized to be appropriated such sums as  
21 may be necessary to carry out this section.”.

1 **SEC. 452. INNOVATION CENTER DEMONSTRATION**  
2 **PROJECTS.**

3 Section 6402 of the Farm Security and Rural Invest-  
4 ment Act of 2002 (7 U.S.C. 1621 note) is amended by  
5 adding at the end the following:

6 “(j) **AUTHORIZATION.**—In addition to any funds oth-  
7 erwise made available, there are authorized to be appro-  
8 priated such sums as may be necessary to carry out this  
9 section.”.

10 **SEC. 453. RURAL ENTREPRENEURSHIP DEVELOPMENT**  
11 **PROGRAM.**

12 (a) **RESEARCH PROJECTS REQUIRED.**—The Sec-  
13 retary shall conduct research and education projects to ob-  
14 tain data, develop conclusions, demonstrate technologies,  
15 and facilitate multi-jurisdictional initiatives that promote  
16 the purposes of this section, including research and edu-  
17 cation projects that—

18 (1) facilitate and increase investigation and  
19 education in order to—

20 (A) provide the necessary education, train-  
21 ing, and technical assistance in high schools,  
22 community colleges, colleges, universities and  
23 through non-formal outreach education delivery  
24 systems to start up and grow rural businesses;

25 (B) provide the necessary education, train-  
26 ing, and technical assistance in English as well

1 as other languages serving the needs of minor-  
2 ity and immigrant populations;

3 (C) improve access to a diverse range of  
4 capital resources from microenterprise loans to  
5 venture capital;

6 (D) determine the best methods to train  
7 entrepreneurs in preparing business plans, rec-  
8 ordkeeping, compliance with tax rules, financial  
9 management, and general business practices;

10 (E) promote entrepreneurship among rural  
11 youth, minority populations, women, and low-in-  
12 come rural residents; and

13 (F) create networks of entrepreneurial sup-  
14 port and enabling culture among the business  
15 community, government at all levels, nonprofit  
16 organizations, educational institutions, and  
17 other sectors; and

18 (2) facilitate the conduct of projects in order  
19 to—

20 (A) study, to the extent practicable, the  
21 unique entrepreneurial development systems  
22 that best align with the unique needs and  
23 strengths of rural areas and rural communities;

1 (B) study rural entrepreneurs and the edu-  
2 cation, training, and technical assistance they  
3 employ;

4 (C) study rural entrepreneurial develop-  
5 ment organizations with regard to the edu-  
6 cation, training, and technical assistance they  
7 provide, and determine what are the most  
8 promising strategies for building a more inte-  
9 grated system of program delivery to rural en-  
10 trepreneurs;

11 (D) take advantage of the experience and  
12 expertise of rural entrepreneurs and rural en-  
13 trepreneurial development organizations  
14 through their direct participation and leader-  
15 ship in projects;

16 (E) transfer practical, reliable, and timely  
17 information to rural entrepreneurs and rural  
18 entrepreneurial development organizations con-  
19 cerning entrepreneurial education, training,  
20 technical assistance, and the development of  
21 local and regional entrepreneurial systems in  
22 rural areas and rural communities;

23 (F) promote partnerships among rural en-  
24 trepreneurs, nonprofit organizations, edu-  
25 cational institutions at all levels, and govern-

1           mental institutions and agencies at all levels;  
2           and

3                   (G) provide assistance to local governments  
4           regarding the important mix of policies and  
5           programs that can help create and promote en-  
6           trepreneurial-ready communities in rural Amer-  
7           ica.

8           (b) AGREEMENTS.—The Secretary shall carry out  
9           this section through agreements entered into with land-  
10          grant colleges or universities (including their State Coop-  
11          erative Extension Services, Agricultural Experiment Sta-  
12          tions, and their Regional Rural Development Centers),  
13          other universities or colleges, community colleges and  
14          other 2-year institutions of higher education, elementary  
15          and secondary schools, the State cooperative extension  
16          services, nonprofit organizations, or Federal, State or local  
17          governmental entities. All agreements shall be awarded on  
18          a competitive basis according to criteria set forth by the  
19          Regional Administrative Councils established under sub-  
20          section (f).

21          (c) SELECTION, PRIORITY, AND DURATION OF  
22          PROJECTS.—

23                   (1) IN GENERAL.—The Secretary shall select  
24          projects to be carried out under this section on the  
25          basis of—

1 (A) the relevance of the project to the pur-  
2 poses of this section;

3 (B) the appropriateness of the design of  
4 the project;

5 (C) the likelihood of attaining the objec-  
6 tives of the project; and

7 (D) the national or regional applicability of  
8 the findings and outcomes of the proposed  
9 project.

10 (2) PRIORITY.—In carrying out projects under  
11 this section, the Secretary shall give priority to  
12 projects that—

13 (A) closely coordinate research and edu-  
14 cation activities (including outreach education  
15 efforts);

16 (B) will best disseminate the findings of  
17 the project in a readily usable manner to rural  
18 entrepreneurs and to rural community leaders;

19 (C) maximize the involvement and coopera-  
20 tion of rural entrepreneurs;

21 (D) involve a multidisciplinary systems ap-  
22 proach; and

23 (E) involve cooperation between rural en-  
24 trepreneurs, nonprofit organizations, entrepre-  
25 neurial development organizations, educational

1 institutions at all levels, and government agen-  
2 cies at all levels.

3 (3) PROJECT DURATION.—The Secretary may  
4 approve projects to be conducted under this section  
5 that have a duration of more than one fiscal year.

6 (d) DIVERSIFICATION OF RESEARCH.—The Secretary  
7 shall conduct projects and studies under this section in  
8 areas that are broadly representative of the diversity of  
9 the rural areas of the United States and the diversity of  
10 rural entrepreneurship in the United States, including en-  
11 trepreneurship involving youth, racial groups, microenter-  
12 prises, and women, with a focus on either food and other  
13 agriculturally-based businesses (but not directly produc-  
14 tion agriculture), or non-agricultural business.

15 (e) PROGRAM ADMINISTRATION.—The Secretary  
16 shall—

17 (1) administer the programs and projects con-  
18 ducted under subsection (a) through the Cooperative  
19 State Research Service in close cooperation with the  
20 Extension Service, Agricultural Research Service (or  
21 its successor agency), and other appropriate agen-  
22 cies;

23 (2) establish a minimum of four Regional Ad-  
24 ministrative Councils in accordance with subsection  
25 (f); and

1           (3) with the advice of the Regional Administra-  
2           tive Councils, identify the applicable regional rural  
3           development center as the regional host institution  
4           or organization responsible for carrying out such  
5           programs or projects, or identify another regional  
6           host institution where appropriate.

7           (f) REGIONAL ADMINISTRATIVE COUNCILS.—

8           (1) MEMBERSHIP.—The membership of the Re-  
9           gional Administrative Councils shall include rep-  
10          resentatives of—

11                   (A) nonprofit organizations that are in-  
12                   volved in the direct services to rural entre-  
13                   preneurs, small businesses, and microenter-  
14                   prises, or that have demonstrable experience in  
15                   rural entrepreneurship;

16                   (B) regional and state agencies involved in  
17                   rural economic development;

18                   (C) State Cooperative Extension Services  
19                   in the region that are involved in providing di-  
20                   rect services to rural entrepreneurs, small busi-  
21                   nesses, and microenterprises, or to rural com-  
22                   munities that are engaged in entrepreneurship  
23                   development efforts;

24                   (D) representatives from philanthropic or-  
25                   ganizations with a strong interest in rural en-

1           trepreneurship and rural development activities  
2           in the region;

3           (E) self-employed rural entrepreneurs and  
4           owners of rural small businesses with more  
5           than 5 and fewer than 50 employees;

6           (F) institutions of higher education with  
7           demonstrable experience in rural entrepreneur-  
8           ship or related activities;

9           (G) elementary and secondary educators  
10          with demonstrable experience in rural entrepre-  
11          neurship;

12          (H) the director or representative of the  
13          Regional Rural Development Center located in  
14          the region;

15          (I) owners of rural businesses with 5 or  
16          fewer employees;

17          (J) State cooperative extension services  
18          with demonstrable experience in rural entrepre-  
19          neurship;

20          (K) nonprofit organizations with demon-  
21          strable experience in rural entrepreneurship;

22          (L) tribal governments; and

23          (M) other persons knowledgeable about  
24          rural entrepreneurship and its impact on rural  
25          communities.

1           (2) RESPONSIBILITIES.—The Regional Admin-  
2           istrative Councils shall—

3                   (A) promote the programs established  
4                   under this section at the regional level;

5                   (B) establish goals and criteria for the se-  
6                   lection of projects authorized under this section  
7                   within the applicable region;

8                   (C) appoint a technical committee to evalu-  
9                   ate the proposals for projects to be considered  
10                  for selection under this section;

11                  (D) review the recommendations of the  
12                  technical committee, and coordinate its activi-  
13                  ties with the regional host institution; and

14                  (E) prepare and make available an annual  
15                  report concerning projects funded under this  
16                  section, together with an evaluation of the  
17                  project activity.

18           (3) CONFLICT OF INTEREST.—A member of the  
19           Regional Administrative Council or a technical com-  
20           mittee may not participate in the discussion or rec-  
21           ommendation of a proposed project if the member  
22           has or had a professional or business interest in, in-  
23           cluding the provision of consultancy services to, the  
24           organization whose proposal is under review.

1 (4) AUTHORIZATION OF APPROPRIATIONS.—

2 There are authorized to be appropriated to carry out  
3 this section \$20,000,000 for each of the fiscal years  
4 2008 through 2014, to remain available until ex-  
5 pended.

6 **SEC. 454. AMENDMENTS TO THE CONSOLIDATED FARM AND**  
7 **RURAL DEVELOPMENT ACT RELATING TO**  
8 **2002 FARM BILL PROGRAMS.**

9 (a) RURAL BUSINESS OPPORTUNITY GRANTS.—Sec-  
10 tion 306(a)(11)(C) of the Consolidated Farm and Rural  
11 Development Act (7 U.S.C. 1926(a)(11)(C)) is amended  
12 by adding at the end the following: “In making grants  
13 under this paragraph, the Secretary shall use applied re-  
14 search, extension education, and demonstration project  
15 approaches to assure that appropriate levels of human  
16 capital investment are in place to use Federal and match-  
17 ing funds most effectively to provide the greatest actual  
18 impact on rural entrepreneurship and e-commerce.”.

19 (b) RURAL BUSINESS ENTERPRISE GRANTS.—Sec-  
20 tion 310B(c) of the Consolidated Farm and Rural Devel-  
21 opment Act (7 U.S.C. 1932(c)) is amended by adding at  
22 the end the following:

23 “(4) PROGRAM APPROACHES.—In making  
24 grants under this subsection, the Secretary shall, to  
25 the maximum extent practicable, use applied re-

1 search, extension education, and demonstration  
2 project approaches to assure that appropriate levels  
3 of human capital investment are in place to use Fed-  
4 eral and matching funds most effectively to provide  
5 the greatest actual impact on rural entrepreneurship  
6 and e-commerce.”.

7 (c) RURAL COOPERATIVE DEVELOPMENT GRANTS.—  
8 Section 310B(e) of the Consolidated Farm and Rural De-  
9 velopment Act (7 U.S.C. 1932(e)) is amended—

10 (1) by redesignating paragraph (9) as para-  
11 graph (10); and

12 (2) by inserting after paragraph (8) the fol-  
13 lowing:

14 “(9) PROGRAM APPROACHES.—In making  
15 grants under this subsection, the Secretary shall, to  
16 the maximum extent practicable, use applied re-  
17 search, extension education, and demonstration  
18 project approaches to assure that appropriate levels  
19 of human capital investment are in place to use Fed-  
20 eral and matching funds most effectively to provide  
21 the greatest actual impact on rural entrepreneurship  
22 and e-commerce.”.

23 (d) RURAL TELEWORK.—Section 379 of the Consoli-  
24 dated Farm and Rural Development Act (7 U.S.C. 2008n)  
25 is amended—

1           (1) by redesignating subsections (e) and (f) as  
2           subsections (f) and (g), respectively; and

3           (2) by inserting after subsection (d) the fol-  
4           lowing:

5           “(e) PROGRAM APPROACHES.—In making grants  
6           under this section, the Secretary shall, to the maximum  
7           extent practicable, use applied research, extension edu-  
8           cation, and demonstration project approaches to assure  
9           that appropriate levels of human capital investment are  
10          in place to use Federal and matching funds most effec-  
11          tively to provide the greatest actual impact on rural entre-  
12          preneurship and e-commerce.”.

13          (e) RURAL BUSINESS INVESTMENT PROGRAM.—Sec-  
14          tion 384C of the Consolidated Farm and Rural Develop-  
15          ment Act (7 U.S.C. 2009cc-2) is amended—

16               (1) By inserting “(a) IN GENERAL .—” before  
17               “In accordance”; and

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

19               “(b) PROGRAM APPROACHES.—In carrying out this  
20               subtitle, the Secretary shall, to the maximum extent prac-  
21               ticable, use applied research, extension education, and  
22               demonstration project approaches to assure that appro-  
23               priate levels of human capital investment are in place to  
24               use Federal and matching funds most effectively to pro-

1 vide the greatest actual impact on rural entrepreneurship  
2 and e-commerce.”.

3 (f) MULTIJURISDICTIONAL REGIONAL PLANNING OR-  
4 GANIZATIONS.—Section 306(a)(23) of the Consolidated  
5 Farm and Rural Development Act (7 U.S.C. 1926(a)(23))  
6 is amended—

7 (1) by redesignating subparagraphs (C), (D),  
8 and (E) as subparagraphs (D), (E), and (F), respec-  
9 tively; and

10 (2) by inserting after subparagraph (B) the fol-  
11 lowing:

12 “(C) PROGRAM APPROACHES.—In making  
13 grants under this paragraph for community de-  
14 velopment planning and analysis, the Secretary  
15 shall, to the maximum extent practicable, use  
16 applied research, extension demonstration, and  
17 outreach education approaches to assure the  
18 greatest regional impact.”.

## 19 **Subtitle F—International Trade**

### 20 **SEC. 461. FAS/EXTENSION SERVICE INTERNSHIPS.**

21 Section 1458(a)(10) of the National Agricultural Re-  
22 search, Extension, and Teaching Policy Act of 1977 (7  
23 U.S.C. 3291(a)(10)) is amended by striking “establish”  
24 and inserting “maintain”.

1 **SEC. 462. FAS INTERNSHIPS; UNIVERSITY-ASSISTED FUND-**  
2 **ING.**

3 (a) PURPOSE.—The purpose of this section is to es-  
4 tablish a new internship program to maintain and  
5 strengthen the competitiveness of the United States in  
6 international agricultural trade by authorizing the Foreign  
7 Agricultural Service to accept students who are enrolled  
8 in agriculture and related studies in colleges and univer-  
9 sities in the United States to serve as interns for limited  
10 terms at FAS posts outside the United States.

11 (b) DEFINITIONS.—In this section:

12 (1) COLLEGE OR UNIVERSITY.—the term “col-  
13 lege or university” means an institution of higher  
14 education as defined in section 102(a) of the Higher  
15 Education Act of 1965 (20 U.S.C. 1002(a)); and

16 (2) FAS.—the term “FAS” means the Foreign  
17 Agricultural Service of the Department of Agri-  
18 culture.

19 (c) MEMORANDA OF UNDERSTANDING.—

20 (1) IN GENERAL.—Each internship shall be  
21 planned and administered in accordance with a  
22 memorandum of understanding between the FAS of-  
23 ficer-in-charge at the post and an appropriate senior  
24 academic official of the college or university where  
25 the intern is a student.

1           (2) CONTENTS.—In order to assure maximum  
2 benefit to the FAS office, the intern, the college or  
3 university, the United States Government, and the  
4 United States citizens served by the FAS, the  
5 memorandum shall

6           (A) establish the procedures and terms  
7 that will be followed in the relationship between  
8 the FAS and the college or university over a  
9 multi-year period;

10           (B) assign specific goals for the internship,  
11 and responsibility for the supervision of the in-  
12 tern and for the evaluation of the intern's per-  
13 formance; and

14           (C) contain the assurances described in  
15 subsection (e)(2) in a manner satisfactory to  
16 the FAS.

17           (3) SUPERVISION.—The responsibility for su-  
18 pervising and evaluating the work of an intern may  
19 be shared, at the discretion of the FAS officer-in-  
20 charge, with non-United States citizens employed by  
21 the FAS, faculty from the cooperating college or  
22 university, or other Federal Government personnel  
23 outside the FAS.

24           (4) EXCHANGE OF LETTERS.—In the absence  
25 of a multi-year memorandum of understanding, a

1 single internship of a specific student may be ar-  
2 ranged through an exchange of letters between the  
3 FAS officer-in-charge at post and the appropriate  
4 senior academic official at the student's college or  
5 university, specifying the terms of the internship.

6 (5) MULTIPLE AGREEMENTS.—An FAS officer-  
7 in-charge may accept interns under memoranda of  
8 understanding with more than one college or univer-  
9 sity, and a college or university may have entered  
10 into memoranda of understanding with more than  
11 one FAS post. Groups of colleges or universities may  
12 jointly enter into memoranda of understanding with  
13 one FAS post for the placement of interns.

14 (d) FAS DUTIES.—The officer-in-charge at the FAS  
15 post shall—

16 (1) provide the intern with work supervision,  
17 work space, support for security clearance, creden-  
18 tials, and other requirements to perform the as-  
19 signed tasks for the FAS;

20 (2) assist an intern, when possible, in identi-  
21 fying local housing and transportation that may be  
22 available at reduced or no cost; and

23 (3) prepare interns for their expected FAS re-  
24 sponsibilities based upon planning between the FAS  
25 posts and cooperating universities.

1 (e) UNIVERSITY DUTIES.—The college or university  
2 shall—

3 (1) select the intern, with the concurrence of  
4 the FAS; and

5 (2) provide satisfactory assurances to the FAS  
6 officer-in-charge at the foreign post that the intern  
7 has or will be provided sufficient financial resources  
8 to cover round-trip international airfare to the post,  
9 medical insurance while at the post, costs of food  
10 and lodging, local travel costs to and from the post,  
11 and any applicable stipend, as agreed upon by the  
12 FAS and the college or university.

13 (f) AUTHORIZATION OF APPROPRIATIONS.—There  
14 are authorized to be appropriated to carry out this section  
15 not to exceed \$1,000,000 for each of the fiscal years 2008  
16 through 2014. Not more than 10 percent of funds appro-  
17 priated to carry out this section in any fiscal year may  
18 be used to pay administrative expenses of the FAS.

19 **SEC. 463. BORLAUG INTERNATIONAL AGRICULTURAL**  
20 **SCIENCE AND TECHNOLOGY FELLOWSHIP**  
21 **PROGRAM.**

22 (a) ESTABLISHMENT.—

23 (1) IN GENERAL.—The Secretary of Agriculture  
24 shall establish a fellowship program to be known as  
25 the “Borlaug International Agricultural Science and

1 Technology Fellowship Program,” to provide fellow-  
2 ships for scientific training to individuals from eligi-  
3 ble countries (as described under subsection (b))  
4 who specialize in agricultural education, research  
5 and extension for study in the United States.

6 (2) PROGRAMS.—The Secretary shall carry out  
7 the program established under paragraph (1)  
8 through 3 programs designed to assist individual fel-  
9 lowship recipients as follows:

10 (A) A Graduate Studies Program in Agri-  
11 culture to assist individuals who participate in  
12 graduate agricultural degree training at a  
13 United States institution;

14 (B) An Individual Career Improvement  
15 Program to assist agricultural scientists from  
16 developing countries to upgrade skills and un-  
17 derstanding in agricultural science and tech-  
18 nology; and

19 (C) The Borlaug Agricultural Policy Exec-  
20 utive Leadership Course to assist senior agri-  
21 cultural policy makers from eligible countries  
22 with an initial focus on sub-Saharan Africa and  
23 from the newly independent states of the former  
24 Soviet Union.

1 (b) ELIGIBLE COUNTRIES.—Countries described in  
2 this subsection shall be eligible to participate in the pro-  
3 gram established under this section:

4 (1) LOW-INCOME COUNTRY.—A country with  
5 low per capita income that receives foreign aid as-  
6 sistance from the United States to promote employ-  
7 ment opportunities, increase income levels and levels  
8 of living, particularly in the rural areas, and to re-  
9 duce rural poverty through increased agricultural  
10 productivity.

11 (2) MIDDLE-INCOME COUNTRY.—A country  
12 that has developed economically to the point where  
13 it no longer qualifies for bilateral foreign aid assist-  
14 ance from the United States because its per capita  
15 income level exceeds the eligibility requirements of  
16 such assistance programs (hereafter referred to in  
17 this section as a “middle-income” country).

18 (3) ONGOING RELATIONSHIP.—A middle-income  
19 country that has never qualified for bilateral foreign  
20 aid assistance from the United States, but with re-  
21 spect to which an ongoing relationship with the  
22 United States, including technical assistance and  
23 training, would provide mutual benefits to such  
24 country and the United States.

1           (4) TYPE OF GOVERNMENT.—A country that is  
2           transforming its system of government from a non-  
3           representative type to a representative democracy  
4           and that is encouraging democratic institution build-  
5           ing, and the cultural values, institutions, and organi-  
6           zations of democratic pluralism.

7           (5) INDEPENDENT STATES OF THE FORMER SO-  
8           VIET UNION.—A country that is an independent  
9           state of the former Soviet Union as defined in sec-  
10          tion 102(8) of the Agricultural Trade Act of 1978  
11          (7 U.S.C. 5602 (8)), to the extent that the Secretary  
12          of Agriculture determines that the United States  
13          and the country could benefit from the eligibility and  
14          participation of the country in the program estab-  
15          lished under this section.

16          (c) PURPOSE OF FELLOWSHIPS.—Fellowships under  
17          this section shall promote food security and economic  
18          growth in eligible countries by educating a new generation  
19          of agricultural scientists, increasing scientific knowledge  
20          and collaborative research to improve agricultural produc-  
21          tivity, and extending this knowledge to users and their  
22          intermediaries in the market place. Fellowships shall sup-  
23          port—

24                  (1) training and collaborative research opportu-  
25                  nities through exchanges for entry-level international

1 agricultural research scientists, faculty and policy-  
2 makers from eligible countries;

3 (2) collaborative research to improve agricul-  
4 tural productivity;

5 (3) the transfer of new science and agricultural  
6 technologies to strengthen agricultural practice; and

7 (4) the reduction of barriers to technology  
8 adoption.

9 (d) FELLOWSHIP RECIPIENTS.—

10 (1) ELIGIBLE CANDIDATES.—The Secretary  
11 may provide fellowships under the program author-  
12 ized by this section to individuals from eligible coun-  
13 tries who specialize in or have experience in agricul-  
14 tural education, research, extension, or related fields,  
15 including individuals from the public and private  
16 sectors, and private agricultural producers.

17 (2) CANDIDATE IDENTIFICATION.—The Sec-  
18 retary shall utilize the expertise of United  
19 Statesland-grant and similar universities, inter-  
20 national organizations working in agricultural re-  
21 search and outreach, and national agricultural re-  
22 search organizations to help identify program can-  
23 didates for fellowships under this section from both  
24 the public and private sectors of eligible countries.

1           (e) USE OF FELLOWSHIPS.—Fellowships shall pro-  
2 mote collaborative programs between agricultural profes-  
3 sionals of eligible countries with those of the United States  
4 and the international agricultural research system and, as  
5 appropriate, with United States entities conducting re-  
6 search. They will be used to support fellowship recipients  
7 through the Graduate Studies Program in Agriculture es-  
8 tablished under subsection (a)(2)(A).

9           (f) PROGRAM IMPLEMENTATION.—The Secretary  
10 shall provide for the management, coordination, evaluation  
11 and monitoring of the overall Borlaug International Agri-  
12 cultural Science and Technology Fellowship Program and  
13 for the individual programs described in subsection (a)(2),  
14 except that the Secretary may contract out to one or more  
15 collaborating universities the management of one or more  
16 of the fellowship programs.

17           (g) OVERSIGHT BOARD.—The Secretary shall estab-  
18 lish an oversight board to oversee activities of the Borlaug  
19 International Agricultural Science and Technology Fellow-  
20 ship Program. The board shall consist of—

- 21           (1) two representatives from the Latin Amer-  
22           ican region;
- 23           (2) two representatives from the African region;
- 24           (3) two representatives from the South Asian  
25           region;

1           (4) two representatives from the East Asian re-  
2       gion;

3           (5) two representatives from United States  
4       land-grant universities;

5           (6) two representatives from development or  
6       donor organizations;

7           (7) two representatives from agricultural indus-  
8       tries.

9       The board will advise the office in the Foreign Agricul-  
10      tural Service of the Department of Agriculture responsible  
11      for managing the program on program priorities and re-  
12      lated matters, including annual priority regions and coun-  
13      tries, annual priority topics for exchanges, and sources of  
14      complementary funding and other alternative funding.

15       (h) AUTHORIZATION OF APPROPRIATIONS.—There  
16      are authorized to be appropriated without fiscal year limi-  
17      tation such sums as may be necessary to carry out the  
18      program established under this section, except that the  
19      amount of such funds in any fiscal year shall not exceed—

20           (1) for the Graduate Studies Program in Agri-  
21      culture established under subsection (a)(2)(A),  
22      \$1,250,000;

23           (2) for the Individual Career Improvement Pro-  
24      gram established under subsection (a)(2)(B),  
25      \$2,500,000; and



1       “(1) STATE PROCUREMENT LAWS.—The Secretary  
2 may provide technical and other assistance

3               “(1) to develop a model State biobased product  
4 procurement law; and

5               “(2) to encourage the adoption of such laws by  
6 the States.”; and

7               (3) in subsection (m), as redesignated, by strik-  
8 ing “2007” and inserting “2014”.

9 **SEC. 472. BIOENERGY DEVELOPMENT GRANTS.**

10       (a) EXPANSION OF PROGRAM.—Section 9003(a) of  
11 the Farm Security and Rural Investment Act of 2002 (7  
12 U.S.C. 8103(a)) is amended by inserting “biomaterials,  
13 and other sources of renewable energy,” before “so as to”.

14       (b) FOLLOW-UP STUDY; REAUTHORIZATION.—Sec-  
15 tion 9003 of the farm security and rural investment act  
16 of 2002 (7 U.S.C. 8103) is amended—

17               (1) by redesignating subsection (h) as sub-  
18 section (i);

19               (2) by inserting after subsection (g) the fol-  
20 lowing:

21       “(h) FOLLOW-UP STUDY.—The Secretary shall carry  
22 out a study to determine—

23               “(1) which grants made under this section have  
24 resulted in successful technologies or other out-  
25 comes; and

1           “(2) what reasons, if any, led to the successful  
2 results.”; and

3           (3) in subsection (i), as redesignated, by strik-  
4 ing “2007” and inserting “2014”.

5 **SEC. 473. BIODIESEL FUEL EDUCATION AND DEVELOP-**  
6 **MENT GRANTS.**

7           (a) **EXPANSION OF PROGRAM.**—Section 9004(a) of  
8 the Farm Security and Rural Investment Act of 2002 (7  
9 U.S.C. 8104(a)) is amended

10           (1) by striking “eligible entities to educate” and  
11 inserting “eligible entities”—

12           “(1) to educate”; and

13           (2) by inserting before the period after “fuel  
14 use” the following:

15           “(2) to assist in the development of new and  
16 emerging technologies for the production of biodiesel  
17 fuels”.

18           (b) **TECHNICAL AMENDMENT.**—The heading of sec-  
19 tion 9004 of the Farm Security and Rural Investment Act  
20 of 2002 (7 U.S.C. 8104) is amended by inserting “**AND**  
21 **DEVELOPMENT**” after “**EDUCATION**”.

22           (c) **REAUTHORIZATION.**—Section 9004(d) of the  
23 Farm Security and Rural Investment Act of 2002 (7  
24 U.S.C. 8104(d)) is amended by striking “2007” and in-  
25 serting “2014”.

1 **SEC. 474. ENERGY AUDIT AND RENEWABLE ENERGY DEVEL-**  
2 **OPMENT PROGRAM.**

3 (a) ENERGY USE PRACTICES.—Section 9005(a) of  
4 the Farm Security and Rural Investment Act of 2002 (7  
5 U.S.C. 8105(a)) is amended—

6 (1) by inserting “(1) grants” before “The Sec-  
7 retary”; and

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

9 “(2) ENERGY USE PRACTICES.—The Secretary,  
10 in cooperation with State agricultural offices, shall  
11 establish and carry out a program to improve the  
12 energy use practices of farmers to reduce the pro-  
13 duction cost of crops and livestock. The program  
14 under this paragraph shall promote the increased  
15 use of all sources of renewable energy, and may in-  
16 clude the use of local energy production for farm use  
17 as a means of reducing production costs.”.

18 (b) REAUTHORIZATION.—Section 9005(d) of the  
19 Farm Security and Rural Investment Act of 2002 (7  
20 U.S.C. 8105(d)) is amended by striking “2007” and in-  
21 serting “2014”.

22 **SEC. 475. RENEWABLE ENERGY SYSTEMS AND ENERGY EF-**  
23 **FICIENCY IMPROVEMENTS.**

24 Section 9006 of the Farm Security and Rural Invest-  
25 ment Act of 2002 (7 U.S.C. 8106) is amended by adding  
26 at the end the following:

1       “(g) FOLLOW-UP STUDY.—The Secretary, directly or  
2 through one or more land grant colleges and universities,  
3 as defined in section 9011(b), that are selected by the Sec-  
4 retary on a competitive basis, shall carry out a study to  
5 determine—

6               “(1) which types of grants made and which  
7 types of loans made or guaranteed under this section  
8 have resulted in successful outcomes; and

9               “(2) what reasons, if any, led to the successful  
10 outcomes.”.

11 **SEC. 476. BIOMASS RESEARCH AND DEVELOPMENT.**

12       (a) ENHANCED COORDINATION.—Section 304 of the  
13 Biomass Research and Development Act of 2000 (7  
14 U.S.C. 8603) is amended by adding at the end the fol-  
15 lowing:

16               “(c) ENHANCED COORDINATION.—The Secretary  
17 shall direct the point of contact of the Department of Agri-  
18 culture to work to achieve better coordination between  
19 programs under this title and the Department of Energy’s  
20 renewable energy programs.”.

21       (b) USE OF RESEARCH AND EXTENSION CENTERS.—  
22 Section 307 of the Biomass Research and Development  
23 Act of 2000 (7 U.S.C. 8606) is amended by adding at  
24 the end the following:

1       “(h) USE OF RESEARCH AND EXTENSION CEN-  
2 TERS.—

3               “(1) IN GENERAL.—The Secretary shall use the  
4 services and facilities of research centers and Exten-  
5 sion centers at land grant colleges and universities,  
6 as defined in section 9011(b) of the Farm Security  
7 and Rural Investment Act of 2002 (7 U.S.C.  
8 8109(b)), to assist in carrying out this section.

9               “(2) COMPETITIVE SELECTION.—The Secretary  
10 shall publish and follow competitive criteria to be  
11 used for the selection of research centers and Exten-  
12 sion centers under this subsection.”.

13       (c) FUNDING.—Section 310(a)(2) of the Biomass Re-  
14 search and Development Act of 2000 (7 U.S.C.  
15 8609(a)(2)) is amended by striking “2007” and inserting  
16 “2014”.

17       (d) AUTHORIZATION.—Section 310(b) of the Biomass  
18 Research and Development Act of 2000 (7 U.S.C.  
19 8609(b)) is amended by striking “\$200,000,000” and in-  
20 serting “\$300,000,000”.

21 **SEC. 477. COOPERATIVE RESEARCH AND EXTENSION**  
22 **PROJECTS; CARBON CYCLE RESEARCH.**

23       Section 221(e) of the Agricultural Risk Protection  
24 Act of 2000 (114 Stat. 407) is amended—

1 (1) by striking the heading and inserting “Ex-  
2 tension and Research Funding”; and

3 (2) in paragraph (3) by striking “2007” and in-  
4 serting “2014”.

## 5 **Subtitle H—Conservation**

### 6 **SEC. 478. ENVIRONMENTAL QUALITY INCENTIVES.**

7 (a) COORDINATED EFFORT.—Section 1240 of the  
8 Food Security Act of 1985 (16 U.S.C. 3839aa) is amend-  
9 ed—

10 (1) in paragraph (3), by inserting after “assist-  
11 ance to producers” the following: “by employing all  
12 applicable and appropriate departmental resources,  
13 including research, technical assistance, education,  
14 extension, and financial agencies and organizations,  
15 in a coordinated effort”; and

16 (2) in paragraph (4), by inserting after “assist-  
17 ing producers” the following: “by employing the co-  
18 ordinated effort described in paragraph (3)”.

19 (b) COORDINATED EFFORT.—Section 1240B(a)(1) of  
20 the Food Security Act of 1985 (16 U.S.C. 3839aa-  
21 2(a)(1)) is amended by adding at the end the following:  
22 “The Secretary shall work with the heads of all appro-  
23 priate departmental agencies and organizations to develop  
24 a coordinated effort, using an integrated team approach,  
25 to provide farmers and ranchers state-of-the-art research,

1 information, technical assistance, education, extension,  
2 and access to resources to implement eligible practices  
3 under this chapter.”.

4 **SEC. 479. CONSERVATION TECHNICAL ASSISTANCE AND**  
5 **EDUCATION BY EXTENSION SERVICE.**

6 (a) IN GENERAL.—Section 1242 of the Food Security  
7 Act of 1985 (16 U.S.C. 3842) is amended by adding at  
8 the end the following new paragraph:

9 “(5) COOPERATIVE EXTENSION SERVICE.—

10 “(A) TECHNICAL SERVICE PROVIDER.—

11 The Cooperative Extension Service in each  
12 State, and the appropriate officials and employ-  
13 ees thereof, shall be eligible to provide technical  
14 assistance to carry out programs under this  
15 title, to become approved providers of technical  
16 assistance, and to provide other necessary edu-  
17 cational activities and materials regarding the  
18 programs under this title and appropriate re-  
19 lated matters to producers, eligible participants,  
20 and other persons.

21 “(B) REIMBURSEMENT.—The Secretary  
22 shall pay to the Cooperative Extension Service  
23 in each State to compensate for the conserva-  
24 tion technical assistance and related education  
25 provided under this paragraph. Such payments

1 for technical assistance and education may be  
2 made from

3 “(i) funds available for technical as-  
4 sistance under section 1241(b);

5 “(ii) funds made available to the Nat-  
6 ural Resource Conservation Service; and

7 “(iii) such other funds that may be  
8 appropriated or otherwise made available  
9 to the Secretary for technical assistance or  
10 education regarding the programs in this  
11 title, or related or similar programs.”.

12 (b) CONFORMING AMENDMENT.—Section 1241(b) of  
13 the Food Security Act of 1985 (16 U.S.C. 3841) is  
14 amended by adding at the end thereof the following sen-  
15 tence:

16 “For the purposes of this section and section 1242,  
17 technical assistance shall include the necessary education  
18 regarding the programs under this title, and appropriate  
19 related matters, as provided under section 1242(5).”.

20 **SEC. 480. ASSESSMENT AND REFORM OF CONSERVATION**  
21 **PROGRAMS.**

22 (a) IN GENERAL.—The Secretary of Agriculture  
23 (hereafter referred to as the “Secretary”) shall develop a  
24 plan to coordinate land retirement, forestry, and agricul-  
25 tural working land conservation programs that are admin-

1 istered by the Secretary by integrating the activities of de-  
2 partmental agencies to achieve the goals of—

- 3 (1) eliminating redundancy;
- 4 (2) streamlining program delivery; and
- 5 (3) improving services provided to agricultural  
6 producers, including the provision of science-based  
7 technical assistance through integrated interagency  
8 programs of research, education, and extension.

9 (b) CONSULTATION.—The Secretary shall consult  
10 with the Under Secretaries in the Department of Agri-  
11 culture to develop a plan of strategic research, education,  
12 and extension programs to ensure that the goals outlined  
13 by the programs described in subsection (a) can be  
14 achieved in an integrated and highly focused manner that  
15 includes determination of national priorities, cost sharing,  
16 and collaborative management. The Under Secretaries  
17 shall ensure that the Department’s programmatic re-  
18 sources and partnerships available within their areas of  
19 responsibility are involved in the development and imple-  
20 mentation of the strategic plan.

21 (c) REPORT.—Not later than September 30, 2008,  
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 describes—

1           (1) the plans developed under subsections (a)  
2           and (b); and

3           (2) the means by which the Secretary intends  
4           to achieve the goals described in subsections (a) and  
5           (b).

○