

(3) Development of—

(A) efficient and accurate methods to monitor wheat, triticale, and barley for the presence of Karnal bunt or of wheat scab and resulting vomitoxin contamination;

(B) post-harvest management techniques for wheat, triticale, and barley infected with wheat scab or with Karnal bunt; and

(C) milling and food processing techniques to render wheat scab contaminated grain safe.

(4) Strengthening and expansion of plant-breeding activities to enhance the resistance of wheat, triticale, and barley to wheat scab and to Karnal bunt, including the establishment of a regional advanced breeding material evaluation nursery and a germplasm introduction and evaluation system.

(5) Development and deployment of alternative fungicide application systems and formulations to control wheat scab and Karnal bunt and consideration of other chemical control strategies to assist farmers until new more resistant wheat, triticale, and barley varieties are available.

(c) Communications networks

Funds provided under this section shall be available for efforts to concentrate, integrate, and disseminate research, extension, and outreach-orientated information regarding wheat scab or Karnal bunt.

(d) Management

To oversee the use of a grant made under this section, the Secretary may establish a committee composed of the directors of the agricultural experiment stations in the States in which land-grant colleges and universities that are members of the consortium are located.

(e) Authorization of appropriations

There is authorized to be appropriated to carry out this section such sums as may be necessary for each of fiscal years 1999 through 2012.

(Pub. L. 105-185, title IV, § 408, June 23, 1998, 112 Stat. 574; Pub. L. 107-171, title VII, §§ 7131, 7207(d)(1)-(4)(A), May 13, 2002, 116 Stat. 435, 440, 441; Pub. L. 110-234, title VII, § 7307, May 22, 2008, 122 Stat. 1242; Pub. L. 110-246, § 4(a), title VII, § 7307, June 18, 2008, 122 Stat. 1664, 2004.)

CODIFICATION

Pub. L. 110-234 and Pub. L. 110-246 made identical amendments to this section. The amendments by Pub. L. 110-234 were repealed by section 4(a) of Pub. L. 110-246.

AMENDMENTS

2008—Subsec. (a). Pub. L. 110-246, § 7307(1), substituted “grants” for “grant” in heading.

Subsec. (e). Pub. L. 110-246, § 7307(2), substituted “2012” for “2007”.

2002—Pub. L. 107-171, § 7207(d)(4)(A), substituted “, triticale, and barley caused by *Fusarium graminearum* or by *Tilletia indica*” for “and barley caused by *Fusarium graminearum*” in section catchline.

Subsec. (a). Pub. L. 107-171, § 7207(d)(1), reenacted heading without change and amended text generally. Prior to amendment, text read as follows: “The Secretary of Agriculture may make a grant to a consortium of land-grant colleges and universities to enhance the ability of the consortium to carry out a multi-

State research project aimed at understanding and combating diseases of wheat and barley caused by *Fusarium graminearum* and related fungi (referred to in this section as ‘wheat scab’).”

Subsec. (b)(1). Pub. L. 107-171, § 7207(d)(2)(A), (B), inserted “or of Karnal bunt,” after “epidemiology of wheat scab” and “, triticale,” after “occurring in wheat”.

Subsec. (b)(2). Pub. L. 107-171, § 7207(d)(2)(C), inserted “or Karnal bunt” after “wheat scab”.

Subsec. (b)(3)(A). Pub. L. 107-171, § 7207(d)(2)(D), substituted “, triticale, and barley for the presence of Karnal bunt or of” for “and barley for the presence of”.

Subsec. (b)(3)(B). Pub. L. 107-171, § 7207(d)(2)(E), substituted “, triticale, and barley infected with wheat scab or with Karnal bunt” for “and barley infected with wheat scab”.

Subsec. (b)(3)(C). Pub. L. 107-171, § 7207(d)(2)(F), inserted “wheat scab” after “to render”.

Subsec. (b)(4). Pub. L. 107-171, § 7207(d)(2)(G), substituted “, triticale, and barley to wheat scab and to Karnal bunt” for “and barley to wheat scab”.

Subsec. (b)(5). Pub. L. 107-171, § 7207(d)(2)(H), inserted “and Karnal bunt” after “wheat scab” and “, triticale,” after “resistant wheat”.

Subsec. (c). Pub. L. 107-171, § 7207(d)(3), inserted “or Karnal bunt” after “wheat scab”.

Subsec. (e). Pub. L. 107-171, § 7131, substituted “such sums as may be necessary” for “\$5,200,000” and “2007” for “2002”.

EFFECTIVE DATE OF 2008 AMENDMENT

Amendment of this section and repeal of Pub. L. 110-234 by Pub. L. 110-246 effective May 22, 2008, the date of enactment of Pub. L. 110-234, see section 4 of Pub. L. 110-246, set out as an Effective Date note under section 8701 of this title.

§ 7629. Bovine Johne’s disease control program**(a) Establishment**

The Secretary of Agriculture, in coordination with State veterinarians and other appropriate State animal health professionals, may establish a program to conduct research, testing, and evaluation of programs for the control and management of Johne’s disease in livestock.

(b) Authorization of appropriations

There is authorized to be appropriated to the Secretary such sums as may be necessary to carry out this section for each of fiscal years 2003 through 2012.

(Pub. L. 105-185, title IV, § 409, as added Pub. L. 107-171, title VII, § 7207(e), May 13, 2002, 116 Stat. 441; amended Pub. L. 110-234, title VII, § 7308, May 22, 2008, 122 Stat. 1243; Pub. L. 110-246, § 4(a), title VII, § 7308, June 18, 2008, 122 Stat. 1664, 2004.)

CODIFICATION

Pub. L. 110-234 and Pub. L. 110-246 made identical amendments to this section. The amendments by Pub. L. 110-234 were repealed by section 4(a) of Pub. L. 110-246.

AMENDMENTS

2008—Subsec. (b). Pub. L. 110-246, § 7308, substituted “2012” for “2007”.

EFFECTIVE DATE OF 2008 AMENDMENT

Amendment of this section and repeal of Pub. L. 110-234 by Pub. L. 110-246 effective May 22, 2008, the date of enactment of Pub. L. 110-234, see section 4 of Pub. L. 110-246, set out as an Effective Date note under section 8701 of this title.

§ 7630. Grants for youth organizations**(a) In general**

The Secretary, acting through the Director of the National Institute of Food and Agriculture, shall make grants to the Girl Scouts of the United States of America, the Boy Scouts of America, the National 4-H Council, and the National FFA Organization to establish pilot projects to expand the programs carried out by the organizations in rural areas and small towns (including, with respect to the National 4-H Council, activities provided for in Public Law 107-19 (115 Stat. 153)).

(b) Flexibility

The Secretary shall provide maximum flexibility in content delivery to each organization receiving funds under this section so as to ensure that the unique goals of each organization, as well as the local community needs, are fully met.

(c) Redistribution of funding within organizations authorized

Recipients of funds under this section may redistribute all or part of the funds received to individual councils or local chapters within the councils without further need of approval from the Secretary.

(d) Authorization of appropriations

There are authorized to be appropriated to carry out this section such sums as are necessary for each of fiscal years 2008 through 2012.

(Pub. L. 105-185, title IV, §410, as added Pub. L. 107-171, title VII, §7412, May 13, 2002, 116 Stat. 462; amended Pub. L. 110-234, title VII, §§7309, 7511(c)(32), May 22, 2008, 122 Stat. 1243, 1270; Pub. L. 110-246, §4(a), title VII, §§7309, 7511(c)(32), June 18, 2008, 122 Stat. 1664, 2004, 2032.)

REFERENCES IN TEXT

Pub. L. 107-19, referred to in subsec. (a), is Pub. L. 107-19, July 10, 2001, 115 Stat. 153, which is not classified to the Code.

CODIFICATION

Pub. L. 110-234 and Pub. L. 110-246 made identical amendments to this section. The amendments by Pub. L. 110-234 were repealed by section 4(a) of Pub. L. 110-246.

AMENDMENTS

2008—Subsec. (a). Pub. L. 110-246, §7511(c)(32), substituted “Director of the National Institute of Food and Agriculture” for “Administrator of the Cooperative State Research, Education, and Extension Service”.

Subsecs. (b) to (d). Pub. L. 110-246, §7309, added subsecs. (b) to (d) and struck out former subsecs. (b) and (c) which related to availability of funds of the Commodity Credit Corporation for fiscal year 2002 and authorization of appropriations for fiscal years 2003 through 2007.

EFFECTIVE DATE OF 2008 AMENDMENT

Amendment of this section and repeal of Pub. L. 110-234 by Pub. L. 110-246 effective May 22, 2008, the date of enactment of Pub. L. 110-234, except as otherwise provided, see section 4 of Pub. L. 110-246, set out as an Effective Date note under section 8701 of this title.

Amendment by section 7511(c)(32) of Pub. L. 110-246 effective Oct. 1, 2009, see section 7511(c) of Pub. L. 110-246, set out as a note under section 1522 of this title.

§ 7631. Agricultural biotechnology research and development for developing countries**(a) Eligible entity**

In this section, the term “eligible entity” means—

(A) an institution of higher education that offers a curriculum in agriculture or the biosciences;

(B) a nonprofit organization; or

(C) a consortium of for-profit institutions and agricultural research institutions.

(b) Grant program**(1) In general**

The Secretary (acting through the Foreign Agricultural Service) shall establish and administer a program to make competitive grants to eligible entities to develop agricultural biotechnology for developing countries.

(2) Use of funds

Funds provided to an eligible entity under this section may be used for projects that use biotechnology to—

(A) enhance the nutritional content of agricultural products that can be grown in developing countries;

(B) increase the yield and safety of agricultural products that can be grown in developing countries;

(C) increase the yield of agricultural products that are drought- and stress-resistant and that can be grown in developing countries;

(D) extend the growing range of crops that can be grown in developing countries;

(E) enhance the shelf-life of fruits and vegetables grown in developing countries;

(F) develop environmentally sustainable agricultural products that can be grown in developing countries; and

(G) develop vaccines to immunize against life-threatening illnesses and other medications that can be administered by consuming genetically-engineered agricultural products.

(c) Authorization of appropriations

There are authorized to be appropriated such sums as may be necessary to carry out this section for each of fiscal years 2002 through 2012.

(Pub. L. 105-185, title IV, §411, as added Pub. L. 107-171, title VII, §7505, May 13, 2002, 116 Stat. 466; amended Pub. L. 110-234, title VII, §7310, May 22, 2008, 122 Stat. 1243; Pub. L. 110-246, §4(a), title VII, §7310, June 18, 2008, 122 Stat. 1664, 2004.)

CODIFICATION

Pub. L. 110-234 and Pub. L. 110-246 made identical amendments to this section. The amendments by Pub. L. 110-234 were repealed by section 4(a) of Pub. L. 110-246.

AMENDMENTS

2008—Subsec. (c). Pub. L. 110-246, §7310, substituted “2012” for “2007”.

EFFECTIVE DATE OF 2008 AMENDMENT

Amendment of this section and repeal of Pub. L. 110-234 by Pub. L. 110-246 effective May 22, 2008, the date of enactment of Pub. L. 110-234, see section 4 of