

fied principally to this chapter. For complete classification of title XXIV to the Code, see Short Title note set out under section 6701 of this title and Tables.

#### 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 L. 110-234 were repealed by section 4(a) of Pub.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

2014—Subsec. (d). Pub. L. 113-79 substituted “2018” for “2012”.

2008—Subsec. (d). Pub. L. 110-246, § 8202, substituted “2012” for “2007”.

2002—Subsec. (d). Pub. L. 107-171 substituted “2007” for “2002”.

1996—Subsec. (d). Pub. L. 104-127 added subsec. (d).

#### Statutory Notes and Related Subsidiaries

##### 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.

#### § 6705. Line item

The President’s proposed budget to Congress for the first fiscal year beginning after November 28, 1990, and for each subsequent fiscal year shall specifically identify funds to be spent on Forest Service international cooperation and assistance.

(Pub. L. 101-624, title XXIV, § 2406, Nov. 28, 1990, 104 Stat. 4060.)

#### § 6706. Institutes of Tropical Forestry

The Secretary is authorized and directed to establish an Institute of Tropical Forestry in Puerto Rico and an Institute of Pacific Islands Forestry (hereafter in this section referred to as the “Institutes”). The Institutes shall conduct research on forest management and natural resources that shall include—

- (1) management and development of tropical forests;
- (2) the relationship between climate change and tropical forests;
- (3) threatened and endangered species;
- (4) recreation and tourism;
- (5) development of tropical forest resources on a sustained yield basis;
- (6) techniques to monitor the health and productivity of tropical forests;
- (7) tropical forest regeneration and restoration; and
- (8) the effects of tropical deforestation on biodiversity, global climate, wildlife, soils, and water.

(Pub. L. 101-624, title XXIV, § 2407, Nov. 28, 1990, 104 Stat. 4060.)

#### § 6707. Urban forestry demonstration projects

The Secretary is authorized to undertake, through the Forest Service’s Northeastern Area State and Private Forestry program, a study and pilot implementation project to demonstrate the benefits of retaining and integrating forests in urban development. The focus

of such a study and implementation project should be to protect the environment and associated natural resource values, for current and future generations.

(Pub. L. 101-624, title XXIV, § 2409, Nov. 28, 1990, 104 Stat. 4061.)

#### § 6708. Repealed. Pub. L. 115-334, title VIII, § 8301(a), Dec. 20, 2018, 132 Stat. 4840

Section, Pub. L. 101-624, title XXIV, § 2410, Nov. 28, 1990, 104 Stat. 4061, related to biomass energy demonstration projects.

#### § 6709. Interagency cooperation to maximize biomass growth

The Secretary may enter into an agreement with the Secretary of Defense to develop a program to manage forests and land on Department of Defense military installations so as to maximize their potential for biomass growth and sequestering carbon dioxide.

(Pub. L. 101-624, title XXIV, § 2411, Nov. 28, 1990, 104 Stat. 4062; Pub. L. 115-334, title VIII, § 8301(b), Dec. 20, 2018, 132 Stat. 4840.)

#### Editorial Notes

##### AMENDMENTS

2018—Pub. L. 115-334 substituted “to” for “to—” and “develop a program to manage forests and land on Department of Defense military installations” for “(2) develop a program to manage such forests and lands” and struck out par. (1) which read as follows: “conduct a study of reforestation and improved management of Department of Defense military installations and lands; and”.

#### § 6710. Authorization of appropriations

There are authorized to be appropriated such sums as may be necessary for each of the fiscal years 1991 through 1997, to carry out this chapter.

(Pub. L. 101-624, title XXIV, § 2412, Nov. 28, 1990, 104 Stat. 4062; Pub. L. 104-127, title VIII, § 843, Apr. 4, 1996, 110 Stat. 1170.)

#### Editorial Notes

##### REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this title”, meaning title XXIV of Pub. L. 101-624, Nov. 28, 1990, 104 Stat. 4058, known as the Global Climate Change Prevention Act of 1990, which is classified principally to this chapter. For complete classification of title XXIV to the Code, see Short Title note set out under section 6701 of this title and Tables.

##### AMENDMENTS

1996—Pub. L. 104-127 substituted “1997” for “1996”.

#### § 6711. Carbon cycle research

##### (a) In general

To the extent funds are made available for this purpose, the Secretary shall provide a grant to the Consortium for Agricultural Soils Mitigation of Greenhouse Gases, acting through Kansas State University, to develop, analyze, and implement, through the land grant universities described in subsection (b), carbon cycle research at the national, regional, and local levels.

**(b) Land grant universities**

The land grant universities referred to in subsection (a) are the following:

- (1) Colorado State University.
- (2) Iowa State University.
- (3) Kansas State University.
- (4) Michigan State University.
- (5) Montana State University.
- (6) Purdue University.
- (7) Ohio State University.
- (8) Texas A&M University.
- (9) University of Nebraska.

**(c) Use**

Land grant universities described in subsection (b) shall use funds made available under this section—

(1) to conduct research to improve the scientific basis of using land management practices to increase soil carbon sequestration, including research on the use of new technologies to increase carbon cycle effectiveness, such as biotechnology and nanotechnology;

(2) to enter into partnerships to identify, develop, and evaluate agricultural best practices, including partnerships between—

- (A) Federal, State, or private entities; and
- (B) the Department of Agriculture;

(3) to develop necessary computer models to predict and assess the carbon cycle;

(4) to estimate and develop mechanisms to measure carbon levels made available as a result of—

- (A) voluntary Federal conservation programs;
- (B) private and Federal forests; and
- (C) other land uses;

(5) to develop outreach programs, in coordination with Extension Services, to share information on carbon cycle and agricultural best practices that is useful to agricultural producers; and

(6) to collaborate with the Great Plains Regional Earth Science Application Center to develop a space-based carbon cycle remote sensing technology program to—

- (A) provide, on a near-continual basis, a real-time and comprehensive view of vegetation conditions;
- (B) assess and model agricultural carbon sequestration; and
- (C) develop commercial products.

**(d) Cooperative research****(1) In general**

Subject to the availability of appropriations, the Secretary, in cooperation with departments and agencies participating in the U.S. Global Change Research Program (which may use any of their statutory authorities) and with eligible entities, may carry out research to promote understanding of—

- (A) the flux of carbon in soils and plants (including trees); and
- (B) the exchange of other greenhouse gases from agriculture.

**(2) Eligible entities**

Research under this subsection may be carried out through the competitive awarding of

grants and cooperative agreements to colleges and universities (as defined in section 3103 of this title).

**(3) Cooperative research purposes**

Research conducted under this subsection shall encourage collaboration among scientists with expertise in the areas of soil science, agronomy, agricultural economics, forestry, and other agricultural sciences to focus on—

(A) developing data addressing carbon losses and gains in soils and plants (including trees) and the exchange of methane and nitrous oxide from agriculture;

(B) understanding how agricultural and forestry practices affect the sequestration of carbon in soils and plants (including trees) and the exchange of other greenhouse gases, including the effects of new technologies such as biotechnology and nanotechnology;

(C) developing cost-effective means of measuring and monitoring changes in carbon pools in soils and plants (including trees), including computer models;

(D) evaluating the linkage between federal conservation programs and carbon sequestration;

(E) developing methods, including remote sensing, to measure the exchange of carbon and other greenhouse gases sequestered, and to evaluate leakage, performance, and permanence issues; and

(F) assessing the applicability of the results of research conducted under this subsection for developing methods to account for the impact of agricultural activities (including forestry) on the exchange of greenhouse gases.

**(4) Authorization of appropriation**

There are authorized to be appropriated such sums as are necessary to carry out this subsection for each of fiscal years 2002 through 2007.

**(e) Extension projects****(1) In general**

The Secretary, in cooperation with departments and agencies participating in the U.S. Global Change Research Program (which may use any of their statutory authorities), and local extension agents, experts from institutions of higher education that offer a curriculum in agricultural and biological sciences, and other local agricultural or conservation organizations, may implement extension projects (including on-farm projects with direct involvement of agricultural producers) that combine measurement tools and modeling techniques into integrated packages to monitor the carbon sequestering benefits of conservation practices and the exchange of greenhouse gas emissions from agriculture which demonstrate the feasibility of methods of measuring and monitoring—

(A) changes in carbon content and other carbon pools in soils and plants (including trees); and

(B) the exchange of other greenhouse gases.

**(2) Extension project results**

The Secretary may disseminate to farmers, ranchers, private forest landowners, and appropriate State agencies in each State information concerning—

(A) the results of projects under this subsection; and

(B) the manner in which the methods used in the projects might be applicable to the operations of the farmers, ranchers, private forest landowners, and State agencies.

**(3) Authorization of appropriations**

There are authorized to be appropriated such sums as are necessary to carry out this subsection for each of fiscal years 2002 through 2007.

**(f) Administrative costs**

Not more than 3 percent of the funds made available for this section may be used by the Secretary to pay administrative costs incurred in carrying out this section.

**(g) Authorization of appropriations**

There is authorized to be appropriated to carry out this section \$15,000,000 for each of fiscal years 2007 through 2012.

(Pub. L. 106-224, title II, § 221, June 20, 2000, 114 Stat. 407; Pub. L. 107-171, title VII, § 7223, title IX, § 9009, May 13, 2002, 116 Stat. 454, 483; Pub. L. 110-234, title VII, § 7407, May 22, 2008, 122 Stat. 1252; Pub. L. 110-246, § 4(a), title VII, § 7407, June 18, 2008, 122 Stat. 1664, 2013.)

**Editorial Notes****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.

Section was enacted as part of the Agricultural Risk Protection Act of 2000, and not as part of the Global Climate Change Prevention Act of 1990 which comprises this chapter.

**AMENDMENTS**

2008—Subsec. (g). Pub. L. 110-246, § 7407, added subsec. (g) and struck out former subsec. (g). Prior to amendment, text read as follows: “There are authorized to be appropriated for fiscal years 2002 through 2007 such sums as may be necessary to carry out this section.”

2002—Subsec. (a). Pub. L. 107-171, § 7223(1), substituted “To the extent funds are made available for this purpose, the Secretary shall provide” for “Of the amount made available under section 261(a)(2), the Secretary shall use \$15,000,000 to provide”.

Subsecs. (d), (e). Pub. L. 107-171, § 9009, added subsecs. (d) and (e). Former subsec. (d) redesignated (f).

Subsec. (f). Pub. L. 107-171, § 9009(1), redesignated subsec. (d) as (f).

Pub. L. 107-171, § 7223(2), substituted “for this section” for “under subsection (a) of this section”.

Subsec. (g). Pub. L. 107-171, § 7223(3), added subsec. (g).

**Statutory Notes and Related Subsidiaries****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.

**§ 6712. Greenhouse Gas Technical Assistance Provider and Third-Party Verifier Program****(a) Definitions**

In this section:

**(1) Advisory Council**

The term “Advisory Council” means the Greenhouse Gas Technical Assistance Provider and Third-Party Verifier Program Advisory Council established under subsection (f)(1).

**(2) Agriculture or forestry credit**

The term “agriculture or forestry credit” means a credit representing an amount of greenhouse gas emissions from an agricultural or forestry activity that are prevented, reduced, or mitigated (including through the sequestration of carbon) as a result of an agricultural or forestry activity.

**(3) Beginning, socially disadvantaged, limited resource, or veteran farmer, rancher, or private forest landowner**

The term “beginning, socially disadvantaged, limited resource, or veteran farmer, rancher, or private forest landowner” means a farmer, rancher, or private forest landowner who is—

(A) a beginning farmer or rancher (as defined in section 2279(a) of this title);

(B) a socially disadvantaged farmer or rancher (as defined in section 2003(e) of this title);

(C) a limited resource farmer or rancher (as defined in section 1470.3 of title 7, Code of Federal Regulations (or successor regulations)); or

(D) a veteran farmer (as defined in section 2279 of this title).

**(4) Covered entity**

The term “covered entity” means a person or entity, including a private business, non-profit organization, or public agency, that either—

(A) is a provider of technical assistance to farmers, ranchers, or private forest landowners in carrying out sustainable land use management practices that prevent, reduce, or mitigate greenhouse gas emissions (including through the sequestration of carbon); or

(B) is a third-party verifier entity that conducts the verification of the processes described in protocols for voluntary environmental credit markets.

**(5) Greenhouse gas**

The term “greenhouse gas” means—

(A) carbon dioxide;

(B) methane;

(C) nitrous oxide; and

(D) any other gas that the Secretary, in consultation with the Advisory Council, determines has been identified to have heat trapping qualities.

**(6) Program**

The term “Program” means the Greenhouse Gas Technical Assistance Provider and Third-Party Verifier Program established under subsection (b).