

years 2013 through 2023. Of amounts appropriated to carry out this part for a fiscal year, not less than \$15,000,000, or not less than two thirds of any such appropriation, whichever is greater, shall be used to carry out sections 5811 and 5812 of this title.

(Pub. L. 101-624, title XVI, §1624, Nov. 28, 1990, 104 Stat. 3739; Pub. L. 102-237, title IV, §408, Dec. 13, 1991, 105 Stat. 1865; Pub. L. 113-79, title VII, §7201, Feb. 7, 2014, 128 Stat. 880; Pub. L. 115-334, title VII, §7201, Dec. 20, 2018, 132 Stat. 4803.)

#### Editorial Notes

##### AMENDMENTS

2018—Pub. L. 115-334 substituted “2023” for “2018”.

2014—Pub. L. 113-79, in first sentence, struck out “\$40,000,000 for each fiscal year” after “appropriated” and inserted “\$40,000,000 for each of fiscal years 2013 through 2018” after “part”.

1991—Pub. L. 102-237 substituted “and 5812” for “and 5813”.

#### PART B—INTEGRATED MANAGEMENT SYSTEMS

### § 5821. Integrated management systems

#### (a) Establishment

The Secretary shall establish a research and education program concerning integrated resource management and integrated crop management in order to enhance research related to farming operations, practices, and systems that optimize crop and livestock production potential and are environmentally sound. The purpose of the program shall be—

(1) to encourage producers to adopt integrated crop and livestock management practices and systems that minimize or abate adverse environmental impacts, reduce soil erosion and loss of water and nutrients, enhance the efficient use of on-farm and off-farm inputs, and maintain or increase profitability and long-term productivity;

(2) to develop knowledge and information on integrated crop and livestock management systems and practices to assist agricultural producers in the adoption of these systems and practices;

(3) to accumulate and analyze information on agricultural production practices researched or developed under programs established under this subchapter, chapter 86 of this title,<sup>1</sup> and other appropriate programs of the Department of Agriculture to further the development of integrated crop and livestock management systems;

(4) to facilitate the adoption of whole-farm integrated crop and livestock management systems through demonstration projects on individual farms, including small and limited resource farms, throughout the United States; and

(5) to evaluate and recommend appropriate integrated crop and livestock management policies and programs.

#### (b) Development and adoption of integrated crop management practices

The Secretary shall encourage agricultural producers to adopt and develop individual, site-

specific integrated crop management practices. On a priority basis, the Secretary shall develop and disseminate information on integrated crop management systems for agricultural producers in specific localities or crop producing regions where the Secretary determines—

(1) water quality is impaired as a result of local or regional agricultural production practices; or

(2) the adoption of such practices may aid in the recovery of endangered or threatened species.

#### (c) Development and adoption of integrated resource management practices

The Secretary shall, on a priority basis, develop programs to encourage livestock producers to develop and adopt individual, site-specific integrated resource management practices. These programs shall be designed to benefit producers and consumers through—

(1) optimum use of available resources and improved production and financial efficiency for producers;

(2) identifying and prioritizing the research and educational needs of the livestock industry relating to production and financial efficiency, competitiveness, environmental stability, and food safety; and

(3) utilizing an interdisciplinary approach.

#### (d) Authorization of appropriations

There are authorized to be appropriated to carry out this section through the National Institute of Food and Agriculture \$20,000,000 for each of fiscal years 2013 through 2023.

(Pub. L. 101-624, title XVI, §1627, Nov. 28, 1990, 104 Stat. 3739; Pub. L. 104-127, title VIII, §862(b)(2), Apr. 4, 1996, 110 Stat. 1174; Pub. L. 110-234, title VII, §7511(c)(16), May 22, 2008, 122 Stat. 1269; Pub. L. 110-246, §4(a), title VII, §7511(c)(16), June 18, 2008, 122 Stat. 1664, 2030; Pub. L. 113-79, title VII, §7202, Feb. 7, 2014, 128 Stat. 880; Pub. L. 115-334, title VII, §7202, Dec. 20, 2018, 132 Stat. 4803.)

#### Editorial Notes

##### REFERENCES IN TEXT

This subchapter, referred to in subsec. (a)(3), was in the original “this subtitle”, meaning subtitle B (§§1619-1629) of title XVI of Pub. L. 101-624, Nov. 28, 1990, 104 Stat. 3733, which enacted this subchapter, repealed sections 4701 to 4710 of this title, and repealed provisions set out as a note under section 4701 of this title. For complete classification of subtitle B to the Code, see Tables.

Chapter 86 of this title, referred to in subsec. (a)(3), was in the original “subtitle G of title XIV”, meaning subtitle G (§§1481-1485) of title XIV of Pub. L. 101-624, which was repealed by Pub. L. 105-185, title III, §302(c), June 23, 1998, 112 Stat. 563.

##### 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

2018—Subsec. (d). Pub. L. 115-334 substituted “2023” for “2018”.

2014—Subsec. (d). Pub. L. 113-79 amended subsec. (d) generally. Prior to amendment, text read as follows:

<sup>1</sup> See References in Text note below.

“There are authorized to be appropriated for each fiscal year \$20,000,000 to carry out this section through the National Institute of Food and Agriculture.”

2008—Subsec. (d). Pub. L. 110-246, §7511(c)(16), substituted “National Institute of Food and Agriculture” for “Extension Service”.

1996—Subsec. (a)(3). Pub. L. 104-127 struck out “and section 5881 of this title” before “and other appropriate”.

#### 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, 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)(16) 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.

#### § 5822. Repealed. Pub. L. 115-334, title II, § 2816, Dec. 20, 2018, 132 Stat. 4602

Section, Pub. L. 101-624, title XIV, §1451, Nov. 28, 1990, 104 Stat. 3607; Pub. L. 101-508, title I, §1204(a), Nov. 5, 1990, 104 Stat. 1388-11; Pub. L. 102-237, title II, §201(a), Dec. 13, 1991, 105 Stat. 1846, related to Integrated Farm Management Program Option to assist producers of agricultural commodities in adopting integrated, multiyear, site-specific farm management plans.

#### PART C—SUSTAINABLE AGRICULTURE TECHNOLOGY DEVELOPMENT AND TRANSFER PROGRAM

#### § 5831. Technical guides and handbooks

##### (a) Development

Not later than two years after November 28, 1990, the Secretary shall develop and make available handbooks and technical guides, and any other educational materials that are appropriate for describing sustainable agriculture production systems and practices, as researched and developed under this subchapter, chapter 86 of this title,<sup>1</sup> and other appropriate research programs of the Department.

##### (b) Consultation and coordination

The Secretary shall develop the handbooks, technical guides, and educational materials in consultation with the Natural Resources Conservation Service and any other appropriate entities designated by the Secretary. The Secretary shall coordinate activities conducted under this section with those conducted under section 3861 of title 16.

##### (c) Topics of handbooks and guides

The handbooks and guides, and other educational materials, shall include detailed information on the selection of crops and crop-plant varieties, rotation practices, soil building practices, tillage systems, nutrient management, integrated pest management practices, habitat protection, pest, weed, and disease management, livestock management, soil, water, and energy conservation, and any other practices in accordance with or in furtherance of the purpose of this subchapter.

<sup>1</sup> See References in Text note below.

#### (d) Organization and contents

The handbooks and guides, and other educational materials, shall provide practical instructions and be organized in such a manner as to enable agricultural producers desiring to implement the practices and systems developed under this subchapter, chapter 86 of this title,<sup>1</sup> and other appropriate research programs of the Department to address site-specific, environmental and resource management problems and to sustain farm profitability, including—

(1) enhancing and maintaining the fertility, productivity, and conservation of farmland and ranch soils, ranges, pastures, and wildlife;

(2) maximizing the efficient and effective use of agricultural inputs;

(3) protecting or enhancing the quality of water resources; or

(4) optimizing the use of on-farm and non-renewable resources.

#### (e) Availability

The Secretary shall ensure that handbooks and technical guides, and other educational materials are made available to the agricultural community and the public through colleges and universities, the State Cooperative Extension Service, the Soil Conservation Service, other State and Federal agencies, and any other appropriate entities.

#### (f) Authorization of appropriations

There are authorized to be appropriated to carry out this section—

(1) such sums as are necessary for fiscal year 2013; and

(2) \$5,000,000 for each of fiscal years 2014 through 2023.

(Pub. L. 101-624, title XVI, §1628, Nov. 28, 1990, 104 Stat. 3740; Pub. L. 102-237, title IV, §407(3), Dec. 13, 1991, 105 Stat. 1864; Pub. L. 104-127, title VIII, §§860(c)(3), 862(b)(3), Apr. 4, 1996, 110 Stat. 1174; Pub. L. 113-79, title VII, §7203, Feb. 7, 2014, 128 Stat. 880; Pub. L. 115-334, title VII, §7203, Dec. 20, 2018, 132 Stat. 4803.)

#### Editorial Notes

##### REFERENCES IN TEXT

This subchapter, referred to in subsecs. (a), (c), and (d), was in the original “this subtitle”, meaning subtitle B (§§1619-1629) of title XVI of Pub. L. 101-624, Nov. 28, 1990, 104 Stat. 3733, which enacted this subchapter, repealed sections 4701 to 4710 of this title, and repealed provisions set out as a note under section 4701 of this title. For complete classification of subtitle B to the Code, see Tables.

Chapter 86 of this title, referred to in subsecs. (a) and (d), was in the original “subtitle G of title XIV”, meaning subtitle G (§§1481-1485) of title XIV of Pub. L. 101-624, which was repealed by Pub. L. 105-185, title III, §302(c), June 23, 1998, 112 Stat. 563.

##### AMENDMENTS

2018—Subsec. (f)(2). Pub. L. 115-334 substituted “2023” for “2018”.

2014—Subsec. (f). Pub. L. 113-79 amended subsec. (f) generally. Prior to amendment, text read as follows: “There are authorized to be appropriated such sums as may be necessary to carry out the provisions of this section.”

1996—Subsec. (a). Pub. L. 104-127, §862(b)(3), struck out “section 5881 of this title,” before “and other appropriate”.