

## AMENDMENTS

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

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

**Statutory Notes and Related Subsidiaries**

## EFFECTIVE DATE

Enactment 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 a note under section 8701 of this title.

**§ 3319j. Borlaug International Agricultural Science and Technology Fellowship Program****(a) Fellowship program****(1) In general**

The Secretary shall establish a fellowship program, to be known as the “Borlaug International Agricultural Science and Technology Fellowship Program,” to provide fellowships for scientific training and study in the United States to individuals from eligible countries (as described in subsection (b)) who specialize in agricultural education, research, and extension.

**(2) Programs**

The Secretary shall carry out the fellowship program by implementing 3 programs designed to assist individual fellowship recipients, including—

(A) a graduate studies program in agriculture to assist individuals who participate in graduate agricultural degree training at a United States institution;

(B) an individual career improvement program to assist agricultural scientists from developing countries in upgrading skills and understanding in agricultural science and technology; and

(C) a Borlaug agricultural policy executive leadership course to assist senior agricultural policy makers from eligible countries, with an initial focus on individuals from sub-Saharan Africa and the independent states of the former Soviet Union.

**(b) Eligible countries**

An eligible country is a developing country, as determined by the Secretary using a gross national income per capita test selected by the Secretary.

**(c) Purpose of fellowships**

A fellowship provided under this section shall—

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

(A) educating a new generation of agricultural scientists;

(B) increasing scientific knowledge and collaborative research to improve agricultural productivity; and

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

(2) support—

(A) training and collaborative research opportunities through exchanges for entry

level international agricultural research scientists, faculty, and policymakers from eligible countries;

(B) collaborative research to improve agricultural productivity;

(C) the transfer of new science and agricultural technologies to strengthen agricultural practice;

(D) the reduction of barriers to technology adoption; and

(E) the development of agricultural extension services in eligible countries.

**(d) Fellowship recipients****(1) Eligible candidates**

The Secretary may provide fellowships under this section to individuals from eligible countries who specialize or have experience in agricultural education, research, extension, or related fields, including—

(A) individuals from the public and private sectors; and

(B) private agricultural producers.

**(2) Candidate identification**

The Secretary shall use the expertise of United States land-grant colleges and universities and similar universities, international organizations working in agricultural research and outreach, and national agricultural research organizations to help identify program candidates for fellowships under this section from the public and private sectors of eligible countries.

**(e) Use of fellowships**

A fellowship provided under this section shall be used—

(1) to promote collaborative programs among agricultural professionals of eligible countries, agricultural professionals of the United States, the international agricultural research system, and, as appropriate, United States entities conducting research; and

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

**(f) Program implementation****(1) In general**

The Secretary shall provide for the management, coordination, evaluation, and monitoring of the Borlaug International Agricultural Science and Technology Fellowship Program and for the individual programs described in subsection (a)(2), except that the Secretary may contract out to 1 or more collaborating universities the management of 1 or more of the fellowship programs.

**(2) Leveraging alumni engagement**

In carrying out the purposes and programs under this section, the Secretary shall encourage ongoing engagement with fellowship recipients who have completed training under the program to provide advice regarding, and participate in, new or ongoing agricultural development projects, with a priority for capacity-building projects.

**(g) Authorization of appropriations**

There are authorized to be appropriated such sums as are necessary to carry out this section, to remain available until expended.

(Pub. L. 95–113, title XIV, §1473G, as added Pub. L. 110–234, title VII, §7139, May 22, 2008, 122 Stat. 1231, and Pub. L. 110–246, §4(a), title VII, §7139, June 18, 2008, 122 Stat. 1664, 1992; amended Pub. L. 115–334, title III, §3306, Dec. 20, 2018, 132 Stat. 4620.)

#### Editorial Notes

##### CODIFICATION

Pub. L. 110–234 and Pub. L. 110–246 enacted identical sections. Pub. L. 110–234 was repealed by section 4(a) of Pub. L. 110–246.

##### AMENDMENTS

2018—Subsec. (c)(2). Pub. L. 115–334, §3306(1)(A), struck out “shall” before “support—” in introductory provisions.

Subsec. (c)(2)(E). Pub. L. 115–334, §3306(1)(B)–(D), added subpar. (E).

Subsec. (f). Pub. L. 115–334, §3306(2), designated existing provisions as par. (1), inserted heading, and added par. (2).

#### Statutory Notes and Related Subsidiaries

##### EFFECTIVE DATE

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### § 3319k. Agriculture Advanced Research and Development Authority pilot

#### (a) Definitions

In this section:

##### (1) Advanced research and development

The term “advanced research and development” means research and development activities used to address research challenges in agriculture and food through—

(A) targeted acceleration of novel, early stage innovative agricultural research with promising technology applications and products; or

(B) development of qualified products and projects, agricultural technologies, or innovative research tools, which may include—

(i) prototype testing, preclinical development, or field experimental use;

(ii) assessing and assisting with product approval, clearance, or need for a license under an applicable law, as determined by the Director; or

(iii) manufacturing and commercialization of a product.

##### (2) Agricultural technology

The term “agricultural technology” means machinery and other equipment engineered for an applicable and novel use in agriculture, natural resources, and food relating to the research and development of qualified products and projects.

##### (3) Director

The term “Director” means the Director of the Agriculture Advanced Research and Development Authority established under subsection (b)(1).

##### (4) Other transaction

The term “other transaction” means a transaction other than a procurement con-

tract, grant, or cooperative agreement, including a transaction described in subsection (b)(6)(A).

##### (5) Person

The term “person” means—

(A) an individual;

(B) a partnership;

(C) a corporation;

(D) an association;

(E) an entity;

(F) a public or private corporation;

(G) a Federal, State, or local government agency or department; and

(H) an institution of higher education, including a land-grant college or university and a non-land-grant college of agriculture.

##### (6) Qualified product or project

The term “qualified product or project” means—

(A) engineering, mechanization, or technology improvements that will address challenges relating to growing, harvesting, handling, processing, storing, packing, and distribution of agricultural products;

(B) plant disease or plant pest recovery countermeasures to intentional or unintentional biological threats (including naturally occurring threats), including—

(i) replacement or resistant plant cultivars or varieties;

(ii) other enhanced management strategies, including novel chemical, biological, or cultural approaches; or

(iii) diagnostic or surveillance technology; and

(C) veterinary countermeasures to intentional or unintentional biological threats (including naturally occurring threats), including—

(i) animal vaccine or therapeutic products (including anti-infective products); or

(ii) diagnostic or surveillance technology.

##### (7) Research tool

The term “research tool” means a device, technology, procedure, biological material, reagent, computer system, computer software, or analytical technique that is developed to assist in the discovery, development, or manufacture of a qualified product or project.

#### (b) Agriculture Advanced Research and Development Authority

##### (1) Establishment

There is established within the Department of Agriculture a pilot program that shall be known as the Agriculture Advanced Research and Development Authority (referred to in this section as the “AGARDA”) to carry out advanced research and development.

##### (2) Goals

The goals of the AGARDA are—

(A) to develop and deploy advanced solutions to prevent, prepare, and protect against unintentional and intentional threats to agriculture and food in the United States;

(B) to overcome barriers in the development of agricultural technologies, research