

regeneration problems and forest productivity in the southern region of the United States.

“(b) DUTIES OF CENTER.—The Center shall study forest regeneration problems and forest productivity in the southern region of the United States, including—

“(1) nursery management concerns that will lead to improved seedling quality;

“(2) forest management practices that account for environmental stresses; and

“(3) the development of low-cost forest regeneration methods that provide options for wood products, species diversity, wildlife habitat, and production of clean air and water.

“(c) ESTABLISHMENT OF OTHER PROGRAMS.—The Secretary of Agriculture may establish other programs in other regions of the United States, or a comprehensive National program, to carry out the purposes of this section as the Secretary determines appropriate.

“(d) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated such sums as may be necessary to carry out this section.”

SEMIARID AGROFORESTRY RESEARCH CENTER

Pub. L. 101-624, title XII, § 1243, Nov. 28, 1990, 104 Stat. 3546, as amended by Pub. L. 115-334, title VIII, § 8502, Dec. 20, 2018, 132 Stat. 4847, provided that:

“(a) SEMIARID AGROFORESTRY RESEARCH, DEVELOPMENT, AND DEMONSTRATION CENTER.—The Secretary of Agriculture shall establish at the Forestry Sciences Laboratory of the United States Forest Service, in Lincoln, Nebraska, a Semiarid Agroforestry Research, Development, and Demonstration Center (hereafter referred to in this section as the ‘Center’) and appoint a Director to manage and coordinate the program established at the Center under subsection (b).

“(b) PROGRAM.—The Secretary shall establish a program at the Center and seek the participation of Federal or State governmental entities, land-grant colleges or universities, State agricultural experiment stations, State and private foresters, the National Arbor Day Foundation, and other nonprofit foundations in such program to conduct or assist research, investigations, studies, and surveys to—

“(1) develop sustainable agroforestry systems on semiarid lands that minimize topsoil loss and water contamination and stabilize or enhance crop productivity;

“(2) adapt, demonstrate, document, and model the effectiveness of agroforestry systems under different farming systems and soil or climate conditions;

“(3) develop dual use agroforestry systems compatible with paragraphs (1) and (2) which would provide high-value forestry products for commercial sale from semiarid land;

“(4) develop and improve the drought and pest resistance characteristics of trees for conservation forestry and agroforestry applications in semiarid regions, including the introduction and breeding of trees suited for the Great Plains region of the United States;

“(5) develop technology transfer programs that increase farmer and public acceptance of sustainable agroforestry systems;

“(6) develop improved windbreak and shelterbelt technologies for drought preparedness, soil and water conservation, environmental quality, and biological diversity on semiarid lands;

“(7) develop technical and economic concepts for sustainable agroforestry on semiarid lands, including the conduct of economic analyses of the costs and benefits of agroforestry systems and the development of models to predict the economic benefits under soil or climate conditions;

“(8) provide international leadership in the development and exchange of agroforestry practices on semiarid lands worldwide;

“(9) support research on the effects of agroforestry systems on semiarid lands in mitigating nonpoint source water pollution;

“(10) support research on the design, establishment, and maintenance of tree and shrub plantings to regulate the deposition of snow along roadways; and

“(11) conduct sociological, demographic, and economic studies as needed to develop strategies for increasing the use of forestry conservation and agroforestry practices.

“(c) INFORMATION COLLECTION AND DISSEMINATION.—The Secretary shall establish at the Center a program, to be known as the National Clearinghouse on Agroforestry Conservation and Promotion to—

“(1) collect, analyze, and disseminate information on agroforestry conservation technologies and practices; and

“(2) promote the use of such information by landowners and those organizations associated with forestry and tree promotion.

“(d) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated \$5,000,000 for each of fiscal years 2019 through 2023 to carry out this section.”

FOREST ECOSYSTEMS AND ATMOSPHERIC POLLUTION RESEARCH; CONGRESSIONAL FINDINGS

Pub. L. 100-521, § 2, Oct. 24, 1988, 102 Stat. 2601, provided that: “Congress finds that—

“(1) the health and productivity of forests in certain regions of the United States are declining;

“(2) there is a special concern about the decline of certain hardwood species, particularly sugar maples and oaks, in the eastern United States and the effects of atmospheric pollutants on the health and productivity of these forests;

“(3) declines in the productivity of certain commercially important Southern pine species have been measured;

“(4) existing research indicates that atmospheric pollution, including ozone, acidic deposition, and heavy metals, may contribute to this decline;

“(5) there is an urgent need to expand and better coordinate existing Federal, State, and private research, including research by private industry, to determine the cause of changes in the health and productivity of domestic forest ecosystems and to monitor and evaluate the effects of atmospheric pollutants on such ecosystems; and

“(6) such research and monitoring should not impede efforts to control atmospheric pollutants.”

§ 1643. Implementation of provisions

(a) Establishment and maintenance of research facilities; acquisition, expenditures, etc., for property

In implementing this subchapter, the Secretary is authorized to establish and maintain a system of experiment stations, research laboratories, experimental areas, and other forest and rangeland research facilities. The Secretary is authorized, with donated or appropriated funds, to acquire by lease, donation, purchase, exchange, or otherwise, land or interests in land within the United States needed to implement this subchapter, to make necessary expenditures to examine, appraise, and survey such property, and to do all things incident to perfecting title thereto in the United States.

(b) Acceptance, holding, and administration of gifts, donations, and bequests; use and investment of gifts, proceeds, etc.; funding requirements

In implementing this subchapter, the Secretary is authorized to accept, hold, and administer gifts, donations, and bequests of money, real property, or personal property from any source not otherwise prohibited by law and to use such gifts, donations, and bequests to (1) establish or operate any forest and rangeland research facility within the United States, or (2)

perform any forest and rangeland renewable resource research activity authorized by this subchapter. Such gifts, donations, and bequests, or the proceeds thereof, and money appropriated for these purposes shall be deposited in the Treasury in a special fund. At the request of the Secretary, the Secretary of the Treasury may invest or reinvest any money in the fund that in the opinion of the Secretary is not needed for current operations. Such investments shall be in public debt securities with maturities suitable for the needs of the fund and bearing interest at prevailing market rates. There are hereby authorized to be expended from such fund such amounts as may be specified in annual appropriation Acts, which shall remain available until expended.

(c) Cooperation with international, Federal, State, and other governmental agencies, public and private agencies, etc.; funding requirements for contributions from cooperators

In implementing this subchapter, the Secretary may cooperate with international, Federal, State, and other governmental agencies, with public or private agencies, institutions, universities, and organizations, and with businesses and individuals in the United States and in other countries. The Secretary may receive money and other contributions from cooperators under such conditions as the Secretary may prescribe. Any money contributions received under this subsection shall be credited to the applicable appropriation or fund to be used for the same purposes and shall remain available until expended as the Secretary may direct for use in conducting research activities authorized by this subchapter and in making refunds to contributors.

(Pub. L. 95-307, §4(a)-(c), June 30, 1978, 92 Stat. 354, 355; Pub. L. 101-513, title VI, §611(a)(2), formerly §607(a)(2), Nov. 5, 1990, 104 Stat. 2072, renumbered §611(a)(2), Pub. L. 102-574, §2(a)(1), Oct. 29, 1992, 106 Stat. 4593.)

AMENDMENTS

1990—Subsec. (c). Pub. L. 101-513, which directed amendment of “the first section of” this subsection by inserting “international,” before “Federal”, was executed by making the insertion in the first sentence of this subsection to reflect the probable intent of Congress.

§ 1644. Forestry and rangeland competitive research grants

(a) Competitive grant authority

In addition to any grants made under other laws, the Secretary is authorized to make competitive grants that will further research activities authorized by this subchapter to Federal, State, and other governmental agencies, public or private agencies, institutions, universities, and organizations, and businesses and individuals in the United States. In making these grants, the Secretary shall emphasize basic and applied research activities that are important to achieving the purposes of this subchapter, and shall obtain, through review by qualified scientists and other methods, participation in research activities by scientists throughout the

United States who have expertise in matters related to forest and rangeland renewable resources. Grants under this section shall be made at the discretion of the Secretary under whatever conditions the Secretary may prescribe, after publicly soliciting research proposals, allowing sufficient time for submission of the proposals, and considering qualitative, quantitative, financial, administrative, and other factors that the Secretary deems important in judging, comparing, and accepting the proposals. The Secretary may reject any or all proposals received under this section if the Secretary determines that it is in the public interest to do so.

(b) Emphasis on certain high priority forestry research

The Secretary may use up to 5 percent of the amounts made available for research under section 1642 of this title to make competitive grants regarding forestry research in the high priority research areas identified under section 1642(d) of this title.

(c) Emphasis on certain high priority rangeland research

The Secretary may use up to 5 percent of the amounts made available for research under section 1642 of this title to make competitive grants regarding rangeland research in the high priority research areas identified under section 1642(d) of this title.

(d) Priorities

In making grants under subsections (b) and (c), the Secretary shall give priority to research proposals under which—

(1) the proposed research will be collaborative research organized through a center of scientific excellence;

(2) the applicant agrees to provide matching funds (in the form of direct funding or in-kind support) in an amount equal to not less than 50 percent of the grant amount; and

(3) the proposed research will be conducted as part of an existing private and public partnership or cooperative research effort and involves several interested research partners.

(Pub. L. 95-307, §5, June 30, 1978, 92 Stat. 355; Pub. L. 105-185, title II, §253(d), June 23, 1998, 112 Stat. 561.)

AMENDMENTS

1998—Pub. L. 105-185 substituted section catchline for former section catchline, designated existing provisions as subsec. (a) and inserted heading, and added subsecs. (b) to (d).

§ 1645. General provisions

(a) Availability of funds to cooperators and grantees

The Secretary may make funds available to cooperators and grantees under this subchapter without regard to the provisions of section 3324(a) and (b) of title 31, which prohibits advances of public money.

(b) Coordination of cooperative aid and grants with other aid and grant authorities

To avoid duplication, the Secretary shall coordinate cooperative aid and grants under this