

119TH CONGRESS
1ST SESSION

S. 2866

To amend the National Agricultural Research, Extension, and Teaching Policy Act of 1977 to direct the Secretary of Agriculture to establish a program providing for the establishment of Agriculture Cybersecurity Centers, and for other purposes.

IN THE SENATE OF THE UNITED STATES

SEPTEMBER 18 (legislative day, SEPTEMBER 16), 2025

Mr. BUDD (for himself and Ms. CORTEZ MASTO) introduced the following bill; which was read twice and referred to the Committee on Agriculture, Nutrition, and Forestry

A BILL

To amend the National Agricultural Research, Extension, and Teaching Policy Act of 1977 to direct the Secretary of Agriculture to establish a program providing for the establishment of Agriculture Cybersecurity Centers, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Cybersecurity in Agri-
5 culture Act of 2025”.

1 **SEC. 2. AGRICULTURE CYBERSECURITY CENTERS.**

2 Subtitle K of the National Agricultural Research, Ex-
3 tension, and Teaching Policy Act of 1977 (7 U.S.C. 3310
4 et seq.) is amended by adding at the end the following:

5 **“SEC. 1473I. AGRICULTURE CYBERSECURITY CENTERS.**

6 “(a) IN GENERAL.—The Secretary, acting through
7 the Director of the National Institute of Food and Agri-
8 culture, and in consultation with the Secretary of Home-
9 land Security, shall establish a program under which the
10 Secretary shall—

11 “(1) on a competitive basis, award grants to, or
12 enter into cooperative agreements with, eligible enti-
13 ties to establish 5 Regional Agriculture Cybersecu-
14 rity Centers to carry out research, development, and
15 education on agriculture cybersecurity, with respect
16 to seed agriculture, horticulture, animal agriculture,
17 and the agriculture supply chain;

18 “(2) establish a national network of such Re-
19 gional Agriculture Cybersecurity Centers; and

20 “(3) designate one eligible entity to coordinate
21 the activities of such national network.

22 “(b) DUTIES.—A Regional Agriculture Cybersecurity
23 Center shall—

24 “(1) conduct research on cybersecurity systems
25 for the agriculture sector, including developing cy-

1 bersecurity situational awareness systems to monitor
2 cybersecurity threats, intrusions, and anomalies;

3 “(2) develop a security operations center for the
4 agriculture sector—

5 “(A) to analyze cybersecurity threats, in-
6 trusions, and anomalies; and

7 “(B) to recommend mitigation actions;

8 “(3) develop cybersecurity technologies and
9 tools for the agriculture sector, including—

10 “(A) domain-specific intrusion and anom-
11 aly detection systems;

12 “(B) domain-specific intrusion prevention
13 systems;

14 “(C) domain-specific role-based access con-
15 trol and user authentication systems;

16 “(D) lightweight device authentication pro-
17 tocols; and

18 “(E) secure network architectures;

19 “(4) build live cybersecurity testbeds to assess
20 and refine cybersecurity technologies, tools, and sys-
21 tems developed for the agriculture sector;

22 “(5) conduct attack/defense exercises to validate
23 and evaluate cybersecurity solutions for field deploy-
24 ment and agriculture industry adoption;

1 “(6) develop cybersecurity education and train-
2 ing programs for agricultural stakeholders;

3 “(7) conduct cybersecurity training using the
4 testbeds referred to in paragraph (4);

5 “(8) build a regional research and development
6 collaboration network; and

7 “(9) ensure that the research described in para-
8 graph (1), the technologies and tools described in
9 paragraph (3), and the attack/defense exercises de-
10 scribed in paragraph (5) are specifically designed to
11 prevent cyberattacks from—

12 “(A) the People’s Republic of China;

13 “(B) the Democratic People’s Republic of
14 Korea;

15 “(C) the Russian Federation;

16 “(D) the Islamic Republic of Iran; and

17 “(E) such other countries as the Secretary,
18 in consultation with the Secretary of Homeland
19 Security, determines to be appropriate.

20 “(c) DEFINITION OF ELIGIBLE ENTITY.—In this sec-
21 tion, the term ‘eligible entity’ means a land-grant college
22 or university that—

23 “(1) has programs in the food and agricultural
24 sciences and cybersecurity; and

1 “(2) coordinates regional industry partners, co-
2 operatives, government authorities, and other stake-
3 holders—

4 “(A) to strengthen the security, privacy,
5 and resiliency of agricultural systems;

6 “(B) to bolster the resiliency of cybersecu-
7 rity infrastructure used by independent, non-
8 centralized, locally owned and operated agricul-
9 tural networks; and

10 “(C) to develop a skilled workforce
11 equipped to manage and protect agricultural
12 systems from cyberattacks.

13 “(d) AUTHORIZATION OF APPROPRIATIONS.—There
14 is authorized to be appropriated to carry out this section
15 \$25,000,000 for each of fiscal years 2026 through 2030.”.

○