

119TH CONGRESS
2D SESSION

S. 4794

To require the Secretary of Agriculture and the Secretary of Homeland Security to submit to Congress a report regarding cybersecurity in precision agriculture technologies, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JUNE 16, 2026

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

A BILL

To require the Secretary of Agriculture and the Secretary of Homeland Security to submit to Congress a report regarding cybersecurity in precision agriculture technologies, 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 “Precision Agriculture
5 Cybersecurity Act”.

6 **SEC. 2. DEFINITIONS.**

7 In this Act:

1 (1) FOREIGN COUNTRY OF CONCERN.—The
2 term “foreign country of concern” means—

3 (A) the People’s Republic of China;

4 (B) the Democratic People’s Republic of
5 Korea;

6 (C) the Russian Federation; and

7 (D) the Islamic Republic of Iran.

8 (2) PRECISION AGRICULTURE TECHNOLOGY.—

9 The term “precision agriculture technology”
10 means—

11 (A) instrumentation and techniques rang-
12 ing from sophisticated sensors and software
13 systems to manual sampling and data collection
14 tools that measure, record, and manage spatial
15 and temporal data;

16 (B) technologies for searching out and as-
17 sembling information necessary for sound agri-
18 cultural production decisionmaking;

19 (C) open systems technologies for data net-
20 working and processing that produce valued
21 systems for farm management decisionmaking;
22 and

23 (D) machines that deliver information-
24 based management practices.

1 **SEC. 3. REPORT ON CYBERSECURITY IN PRECISION AGRI-**
2 **CULTURE TECHNOLOGY.**

3 (a) IN GENERAL.—Not later than 1 year after the
4 date of enactment of this Act, the Secretary of Agriculture
5 and the Secretary of Homeland Security, acting through
6 the Director of the Cybersecurity and Infrastructure Secu-
7 rity Agency, in coordination with the Food and Agri-
8 culture Sector Coordinating Council and the Food and Ag-
9 riculture-Information Sharing and Analysis Center, shall
10 prepare a report containing an assessment of current
11 cyber-threats to precision agriculture technologies.

12 (b) CONTENTS.—The report prepared under sub-
13 section (a) shall contain—

14 (1) an evaluation of all cyber-threats to preci-
15 sion agriculture technologies;

16 (2) an assessment of cyber-threats to precision
17 agriculture technologies from foreign countries of
18 concern;

19 (3)(A) an identification of gaps in the United
20 States planning for cybersecurity in precision agri-
21 culture technologies; and

22 (B) recommendations to address those gaps;

23 (4) a review of existing Department of Agri-
24 culture and Department of Homeland Security fund-
25 ing opportunities related to enhancing cybersecurity
26 in precision agriculture technologies; and

1 (5) a review of existing staff at the Department
2 of Agriculture and the Department of Homeland Se-
3 curity that contribute to cybersecurity in precision
4 agriculture technologies.

5 (c) PUBLICATION; SUBMISSION.—Not later than 1
6 year after the date of enactment of this Act, the Secretary
7 of Agriculture and the Secretary of Homeland Security,
8 acting through the Director of the Cybersecurity and In-
9 frastructure Security Agency, shall make publicly available
10 the report prepared under subsection (a) and submit such
11 report to—

12 (1) the Committee on Agriculture, Nutrition,
13 and Forestry of the Senate;

14 (2) the Committee on Agriculture of the House
15 of Representatives;

16 (3) the Committee on Foreign Relations of the
17 Senate;

18 (4) the Committee on Foreign Affairs of the
19 House of Representatives;

20 (5) the Committee on Homeland Security and
21 Governmental Affairs of the Senate; and

22 (6) the Committee on Homeland Security of the
23 House of Representatives.

24 (d) FORM.—

1 (1) PUBLICLY AVAILABLE REPORT.—The report
2 made publicly available in accordance with sub-
3 section (c) shall not contain any classified informa-
4 tion.

5 (2) CONGRESSIONAL REPORT.—The report sub-
6 mitted to the congressional committees in accord-
7 ance with subsection (c) may include a classified
8 annex, if warranted.

9 **SEC. 4. GAO REPORT ON COORDINATION AND COLLABORA-**
10 **TION ON CYBERSECURITY IN PRECISION AG-**
11 **RICULTURE TECHNOLOGIES ACROSS THE**
12 **FEDERAL GOVERNMENT.**

13 (a) IN GENERAL.—Not later than 1 year after the
14 date of enactment of this Act, the Comptroller General
15 of the United States shall conduct a study on the coordi-
16 nation and collaboration on cybersecurity in precision agri-
17 culture technologies across the Federal Government.

18 (b) CONTENTS.—The study conducted under sub-
19 section (a) shall—

20 (1)(A) assess current coordination and collabo-
21 ration across the Federal Government on cybersecu-
22 rity in precision agriculture technologies; and

23 (B) develop recommendations to enhance such
24 collaboration and coordination; and

1 (2)(A) evaluate the work of the Food and Agri-
2 culture Sector Government Coordinating Council (re-
3 ferred to in this paragraph as the “GCC”) and the
4 Food and Agriculture Sector Coordinating Council
5 (referred to in this paragraph as the “SCC”) on ad-
6 dressing cybersecurity in precision agriculture tech-
7 nologies; and

8 (B) identify opportunities to strengthen coordi-
9 nation between the GCC and the SCC.

10 (c) PUBLICATION; SUBMISSION.—Not later than 1
11 year after the date of enactment of this Act, the Comp-
12 troller General of the United States shall make publicly
13 available a report containing the findings of the study con-
14 ducted under subsection (a) and submit such report to—

15 (1) the Committee on Agriculture, Nutrition,
16 and Forestry of the Senate;

17 (2) the Committee on Agriculture of the House
18 of Representatives;

19 (3) the Committee on Homeland Security and
20 Governmental Affairs of the Senate; and

21 (4) the Committee on Homeland Security of the
22 House of Representatives.

23 (d) FORM.—

24 (1) PUBLICLY AVAILABLE REPORT.—The report
25 made publicly available in accordance with sub-

1 section (c) shall not contain any classified informa-
2 tion.

3 (2) CONGRESSIONAL REPORT.—The report sub-
4 mitted to the congressional committees in accord-
5 ance with subsection (c) may include a classified
6 annex, if warranted.

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