

AMENDMENT TO RULES COMMITTEE PRINT

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OFFERED BY MS. BROWNLEY OF CALIFORNIA

At the end of title XII, add the following:

1 **Subtitle E—Producing Real Oppor-**
2 **tunities for Technology and En-**
3 **trepreneurs Investing in Nutri-**
4 **tion**

5 **SEC. 12501. RESEARCH CENTERS OF EXCELLENCE FOR**
6 **FOOD AND AGRICULTURE INNOVATION.**

7 Section 1673 of the Food, Agriculture, Conservation,
8 and Trade Act of 1990 (7 U.S.C. 5926) is amended by
9 adding at the end the following:

10 “(e) CENTERS OF EXCELLENCE FOR FOOD AND AG-
11 RICULTURE INNOVATION.—

12 “(1) RECOGNITION.—The Secretary shall recog-
13 nize not fewer than 3 centers of excellence, one of
14 which will be led by an 1890 Institution (as defined
15 in section 2 of the Agricultural Research, Extension,
16 and Education Reform Act of 1998 (7 U.S.C.
17 7601)), to focus on the areas specified in paragraph
18 (2) relating to the advancement of emerging and in-

1 novative food and agriculture with an emphasis on
2 diversifying edible protein sources.

3 “(2) AREAS OF FOCUS.—

4 “(A) FOOD BIOMANUFACTURING RE-
5 SEARCH AND DEVELOPMENT.—A center of ex-
6 cellence recognized under paragraph (1) may
7 carry out research, development, and education
8 programs that support the quality, production,
9 or cost-effectiveness of emerging and innovative
10 foods that employ—

11 “(i) bioprocessing;

12 “(ii) biomanufacturing; and

13 “(iii) the conversion of biomass into
14 proteins and fats at scale.

15 “(B) STUDENT SUCCESS AND WORKFORCE
16 DEVELOPMENT.—A center of excellence recog-
17 nized under paragraph (1) may engage in ac-
18 tivities to ensure that students have the skills
19 and education needed to work in innovative
20 food and agriculture industries, including agri-
21 cultural science, technology, engineering, math-
22 ematics, and related fields of study.

23 “(3) AUTHORIZATION OF APPROPRIATIONS.—

24 There is authorized to be appropriated to carry out

1 this subsection \$15,000,000 for each of fiscal years
2 2026 through 2030.

3 “(4) REPORT.—Not later than 1 year after the
4 date of enactment of the Producing Real Opportuni-
5 ties for Technology and Entrepreneurs Investing in
6 Nutrition Act, and every year thereafter, the Sec-
7 retary shall submit to the Committee on Agriculture
8 of the House of Representatives and the Committee
9 on Agriculture, Nutrition, and Forestry of the Sen-
10 ate a report describing—

11 “(A) the resources invested in the centers
12 of excellence recognized under paragraph (1);
13 and

14 “(B) the work being done by such centers
15 of excellence.”.

16 **SEC. 12502. AGRICULTURE AND FOOD RESEARCH INITIA-**
17 **TIVE.**

18 Subsection (b)(2)(E) of the Competitive, Special, and
19 Facilities Research Grant Act (7 U.S.C. 3157(b)(2)(E))
20 is amended—

21 (1) by redesignating clauses (ii) through (v) as
22 clauses (iii) through (vi), respectively; and

23 (2) by inserting after clause (i) the following
24 new clause:

1 “(ii) tools and production methods
2 that increase the availability of edible pro-
3 tein sources using bioprocessing, biomanu-
4 facturing, and the conversion of under-uti-
5 lized biomass into high-value ingredients;”.

6 **SEC. 12503. AGRICULTURAL RESEARCH SERVICE.**

7 (a) ESTABLISHMENT OF NATIONAL PROGRAM.—The
8 Secretary of Agriculture, acting through the Adminis-
9 trator of the Agricultural Research Service (referred to in
10 this section as the “Secretary”), shall establish a new na-
11 tional program dedicated to protein security that increases
12 rural prosperity and farmer profits, which is focused on—

- 13 (1) bioprocessing;
14 (2) biomanufacturing; and
15 (3) the conversion of under-utilized biomass
16 into high-value ingredients.

17 (b) AUTHORIZATION OF APPROPRIATIONS.—There is
18 authorized to be appropriated to carry out the program
19 under this section \$10,000,000 for each of fiscal years
20 2026 through 2030.

21 **SEC. 12504. FOOD BIOMANUFACTURING AND PRODUCTION**
22 **GRANT PROGRAM.**

23 (a) IN GENERAL.—Not later than 180 days after the
24 date of enactment of this Act, the Secretary shall establish
25 a grant program to ensure that the United States has a

1 viable domestic food biomanufacturing and production ca-
2 pability to support and sustain increased global demand
3 for protein.

4 (b) ELIGIBLE ENTITIES.—An entity is eligible to re-
5 ceive a grant under subsection (a) if—

6 (1) such entity is—

7 (A) a nonprofit or for-profit private entity;

8 (B) an institution of higher education;

9 (C) a National Laboratory;

10 (D) a State or local government; or

11 (E) a consortium of entities described in
12 subparagraphs (A) through (D); and

13 (2) such entity—

14 (A) is headquartered in the United States
15 and operates primarily within the United
16 States;

17 (B) is at least 51 percent owned and con-
18 trolled by 1 or more individuals who are citizens
19 of the United States; and

20 (C) deploys intellectual property and con-
21 tent that is owned by United States individuals.

22 (c) GRANTS.—

23 (1) USE OF FUNDS.—An entity that receives a
24 grant under this section shall use funds received
25 through the grant—

1 (A) to carry out 1 or more demonstration
2 projects for the advanced biomanufacturing,
3 production, or bioprocessing of edible proteins
4 and fats at scale;

5 (B) to construct 1 or more new commer-
6 cial-scale facilities for such advanced biomanu-
7 facturing, production, or bioprocessing; and

8 (C) to retool, retrofit, or expand 1 or more
9 existing facilities located in the United States
10 and determined qualified by the Secretary for
11 such advanced biomanufacturing, production, or
12 bioprocessing.

13 (2) AMOUNT OF GRANTS.—The amount of a
14 grant awarded under this section shall be not less
15 than \$10,000,000 for an eligible entity carrying out
16 1 or more projects described in paragraph (1).

17 (d) AUTHORIZATION OF APPROPRIATIONS.—There is
18 authorized to be appropriated to the Secretary to carry
19 out the program under this section \$50,000,000 for each
20 of fiscal years 2026 through 2030.

21 **SEC. 12505. FOOD BIOWORKFORCE DEVELOPMENT GRANT**
22 **PROGRAM.**

23 (a) IN GENERAL.—Not later than 180 days after the
24 date of the enactment of this Act, the Secretary shall es-

1 tablish a competitive grant program to support food bio-
2 manufacturing and bioprocessing workforce development.

3 (b) ELIGIBLE ENTITY.—An entity is eligible to re-
4 ceive a grant under this section if the entity is—

5 (1) a governmental entity;

6 (2) a public, private, or cooperative organiza-
7 tion organized on a for-profit or nonprofit basis; or

8 (3) an Indian Tribe (as defined in section 4 of
9 the Indian Self-Determination and Education Assist-
10 ance Act (25 U.S.C. 5304)) on a Federal or State
11 reservation or any other federally recognized Indian
12 Tribe.

13 (c) USE OF FUNDS.—An entity to which a grant is
14 made under this section may use the grant funds to—

15 (1) train new and existing employees on food
16 biomanufacturing and bioprocessing methods;

17 (2) establish a center for training, technology,
18 and trade that will provide training to employees in
19 food biomanufacturing and bioprocessing;

20 (3) provide higher-education scholarships to
21 students pursuing careers in food biomanufacturing
22 and bioprocessing, including at community colleges;

23 (4) conduct regional, community, and local eco-
24 nomic development planning and coordination for

1 the purpose of increasing food biomanufacturing and
2 bioprocessing;

3 (5) provide technical assistance to gain compli-
4 ance with Federal, State, or local regulations related
5 to food biomanufacturing and bioprocessing; or

6 (6) facilitate business and lending opportunities
7 related to food biomanufacturing and bioprocessing,
8 including identifying relevant information necessary
9 for obtaining—

10 (A) private capital investments;

11 (B) Federal and State loan guarantees;

12 (C) Federal and State direct grants; or

13 (D) other financial support mechanisms
14 from Federal and State entities.

15 (d) AUTHORIZATION OF APPROPRIATIONS.—There is
16 authorized to be appropriated to carry out this section
17 \$25,000,000 for each of fiscal years 2026 through 2030.

18 **SEC. 12506. NATIONAL STRATEGY ON ALTERNATIVE PRO-**
19 **TEINS.**

20 (a) ESTABLISHMENT OF A NATIONAL STRATEGY ON
21 ALTERNATIVE PROTEINS.—The Secretary shall—

22 (1) establish a national strategy on protein se-
23 curity in coordination with the Secretaries concerned
24 that meets the requirements of subsection (c); and

1 (2) not later than 1 year after the date of en-
2 actment of this Act, finalize such strategy.

3 (b) CONSIDERATIONS.—When developing the na-
4 tional strategy under subsection (a), the Secretaries con-
5 cerned shall consider—

6 (1) the best available science related to edible
7 protein diversification that is focused on bioproc-
8 essing, biomanufacturing, and the conversion of
9 under-utilized biomass into high-value ingredients;

10 (2) the strategic benefits of expanding research,
11 development, and production of protein diversifica-
12 tion relating to—

13 (A) national security and warfighter readi-
14 ness;

15 (B) agriculture opportunities for domestic
16 farmers;

17 (C) food and agricultural innovation;

18 (D) resilient supply chains; and

19 (E) cross-cutting scientific advancements;

20 (3) global competition and the economic bene-
21 fits of protein diversification relating to—

22 (A) future economic productivity;

23 (B) job creation in the biotechnology sec-
24 tor; and

1 (C) existing public investments and strate-
2 gies of competitor countries; and

3 (4) existing policies and programs offered by
4 the Federal and State governments that—

5 (A) fund open-access research and develop-
6 ment at higher-learning institutions and govern-
7 ment agencies;

8 (B) incentivize private sector research and
9 development;

10 (C) support new and existing food bio-
11 manufacturers;

12 (D) support farmers in the United States
13 that produce crops and feedstocks that support
14 protein diversification and food biomanufac-
15 turing; and

16 (E) represent a barrier for effective—

17 (i) open-access food biomanufacturing
18 research and development;

19 (ii) scale-up of food biomanufacturing;

20 and

21 (iii) regulatory oversight.

22 (c) CONTENTS.—The national strategy shall—

23 (1) use a whole-of-government approach to en-
24 sure that the United States remains the global lead-

1 er of food biomanufacturing, bioprocessing, and bio-
2 workforce development for future generations; and

3 (2) include—

4 (A) objectives to fulfill the purpose of the
5 national strategy specified in paragraph (1), in-
6 cluding interagency coordination;

7 (B) barriers to fulfill such purpose;

8 (C) solutions to the barriers identified in
9 subsection (b)(4)(E); and

10 (D) a plan for the implementation of the
11 national strategy.

12 (d) SECRETARIES CONCERNED DEFINED.—In this
13 section, the term “Secretaries concerned” means—

14 (1) the Secretary of Defense;

15 (2) the Secretary of Energy;

16 (3) the Secretary of Commerce;

17 (4) the Director of the National Science Foun-
18 dation;

19 (5) the Director of the National Institutes of
20 Health;

21 (6) the Commissioner of Food and Drugs;

22 (7) the Director of the Centers for Disease
23 Control and Prevention;

24 (8) the Administrator of the Environmental
25 Protection Agency; and

1 (9) the Director of the Office of Science and
2 Technology Policy.

3 **SEC. 12507. RULE OF CONSTRUCTION.**

4 Nothing in this Act, or an amendment made by this
5 Act, shall be construed to support the production of in-
6 sects for food or animal feed.

