

POW Logic Model Name: The Maine Food System (2015) (APPROVED)

Reporting years: 2015,2016,2017,2018,2019

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Logic Model Overview:

When you support Cooperative Extension food system programs, Maine people will have better access to, and increase their ability to choose healthy, local food. This will lead to an expanded economy and healthier citizens.

Situation:

The Maine food system is a vital component of the Maine economy. It is a complex system comprised of food production, processing, distribution and consumption. It provides employment opportunities across all sectors and contributes billions of dollars to the Maine economy. Currently, the Maine food system provides only 20% of the food consumed in the state. However, given the land area and market potential (70 million people live within a days drive), there is great potential to expand the depth and breath of our food system. Extension educators provide programming using research-based information to increase the efficiency, accessibility, safety and sustainability of all aspects of the Maine food system. We work closely with the public to improve access to healthful food; and we promote USDA's Dietary Guidelines for Americans. We help farmers, businesses, and individuals ensure food safety through current harvest and post-harvest handling and processing practices. Extension actively programs to improve the quality of food consumed by the public while reducing issues of food security through the support of community and school gardens, home horticulture endeavors and the Expanded Food and Nutrition Education Program.

Evaluation Overview:

Evaluation initiatives will measure desired behavioral changes that contribute to a safer, healthier, more productive food system in Maine. Methods will include:

Pre- and post-activity assessments

Surveys

Observations

Case studies

Outcomes:

Condition Outcome:

A Safer, Healthier, More Productive Food System in Maine

Action Outcome:

E1-Improve food security through participation in the Maine Harvest for Hunger Program

Action step:

AS1 Pounds of food donated

Action step:

AS2 Monetary value of food produced, gleaned, and donated

Action step:

AS3 Number of agencies supported

Action Outcome:

E2-Improve food security through sustainable agriculture practices

Action step:

AS10 Implement techniques to reduce effects of climate variation

Action step:

AS4 Implement practices that improve efficiency, reduce inputs and negative

Action step:

AS5 Demonstrate how to develop integrated farming systems

Action step:

AS6 Establish new farm enterprises

Action step:

AS7 Adopt and maintain integrated pest management strategies

Action step:

AS8 Improve animal health and well-being

Action step:

AS9 New crops and markets developed

Action Outcome:

E3-Implement food safety practices at all stages of the food handling system

Action step:

AS11 Adopt specific food safety plans and/or policies

Action Outcome:

E4-Adopt healthy lifestyle practices

Action step:

AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)

Action step:

AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

Action Outcome:

E5-Increase sustainable home horticultural production practices

Action step:

AS14 Adopt techniques to improve soil quality.

Action step:

AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).

Action step:

AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.

Action step:

AS17 Increase consumption of home-grown food.

Outputs

Maine Issue Area: The Maine Food System

Output description:

Home Horticulture Activities - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS1 Pounds of food donated
- AS10 Implement techniques to reduce effects of climate variation
- AS11 Adopt specific food safety plans and/or policies
- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.
- AS2 Monetary value of food produced, gleaned, and donated
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative

- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS7 Adopt and maintain integrated pest management strategies

Output description:

Home Horticulture Activities - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS1 Pounds of food donated
- AS10 Implement techniques to reduce effects of climate variation
- AS11 Adopt specific food safety plans and/or policies
- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.

- AS17 Increase consumption of home-grown food.
- AS2 Monetary value of food produced, gleaned, and donated
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises

Output description:

Livestock Activities - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS3 Number of agencies supported
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS8 Improve animal health and well-being

Output description:

Livestock Activities - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS3 Number of agencies supported
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS8 Improve animal health and well-being

Output description:

Crop Production Activities - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS10 Implement techniques to reduce effects of climate variation
- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative

- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS7 Adopt and maintain integrated pest management strategies
- AS9 New crops and markets developed

Output description:

Crop Production Activities - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS10 Implement techniques to reduce effects of climate variation
- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS7 Adopt and maintain integrated pest management strategies

- AS9 New crops and markets developed

Output description:

Food Safety - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

Output description:

Food Safety - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

Output description:

Specialty Food Products - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

- AS3 Number of agencies supported

Output description:

Specialty Food Products - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

- AS3 Number of agencies supported

Output description:

Nutrition Education - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)

- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

- AS17 Increase consumption of home-grown food.

Output description:

Nutrition Education - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
- AS17 Increase consumption of home-grown food.

Output description:

Eat Well (Expanded Food and Nutrition Education Program)- Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies
- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
- AS17 Increase consumption of home-grown food.

Output description:

Eat Well (Expanded Food and Nutrition Education Program) - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: **Indirect; Applied Research, Media, Internet, Publication, Resulting from Training**

From original plan:

Year:	2015	2016	2017	2018	2019

Number planned:	0	0	0	0	0
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Output type: **Undefined**

Associated indicators:

- AS11 Adopt specific food safety plans and/or policies

- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)

- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

- AS17 Increase consumption of home-grown food.

Output description:

Farm Energy Activities - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS4 Implement practices that improve efficiency, reduce inputs and negative

- AS5 Demonstrate how to develop integrated farming systems

- AS6 Establish new farm enterprises

- AS9 New crops and markets developed

Output description:

Farm Energy Activities - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: Undefined

Associated indicators:

- AS4 Implement practices that improve efficiency, reduce inputs and negative
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises

Output description:

General Activities in Support of the Maine Food System - Indirect

(Applied Research, Media, Internet, Publication, Resulting from Training)

Delivery method: Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: Undefined

Associated indicators:

- AS1 Pounds of food donated
- AS10 Implement techniques to reduce effects of climate variation
- AS11 Adopt specific food safety plans and/or policies
- AS12 Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.
- AS17 Increase consumption of home-grown food.
- AS2 Monetary value of food produced, gleaned, and donated
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS7 Adopt and maintain integrated pest management strategies
- AS8 Improve animal health and well-being
- AS9 New crops and markets developed

Output description:

General Activities in Support of the Maine Food System - Direct

(Club, Conference, Program, Consultation, Scholarship, or Training)

Delivery method: **Direct; Club, Conference, Program, Consultation, Scholarship, or Training**

From original plan:

Year:	2015	2016	2017	2018	2019
Number planned:	0	0	0	0	0

Output type: **Undefined**

Associated indicators:

- AS1 Pounds of food donated
- AS10 Implement techniques to reduce effects of climate variation
- AS11 Adopt specific food safety plans and/or policies
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- AS13 Increase consumption and preservation of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
- AS14 Adopt techniques to improve soil quality.
- AS15 Adopt a water saving technique (rain barrels, soaker hoses, etc.).
- AS16 Utilize Cooperative Extension to identify pest problems and determine research-based management strategies.
- AS17 Increase consumption of home-grown food.
- AS2 Monetary value of food produced, gleaned, and donated
- AS3 Number of agencies supported
- AS4 Implement practices that improve efficiency, reduce inputs and negative
- AS5 Demonstrate how to develop integrated farming systems
- AS6 Establish new farm enterprises
- AS7 Adopt and maintain integrated pest management strategies
- AS8 Improve animal health and well-being

- AS9 New crops and markets developed

Inputs: