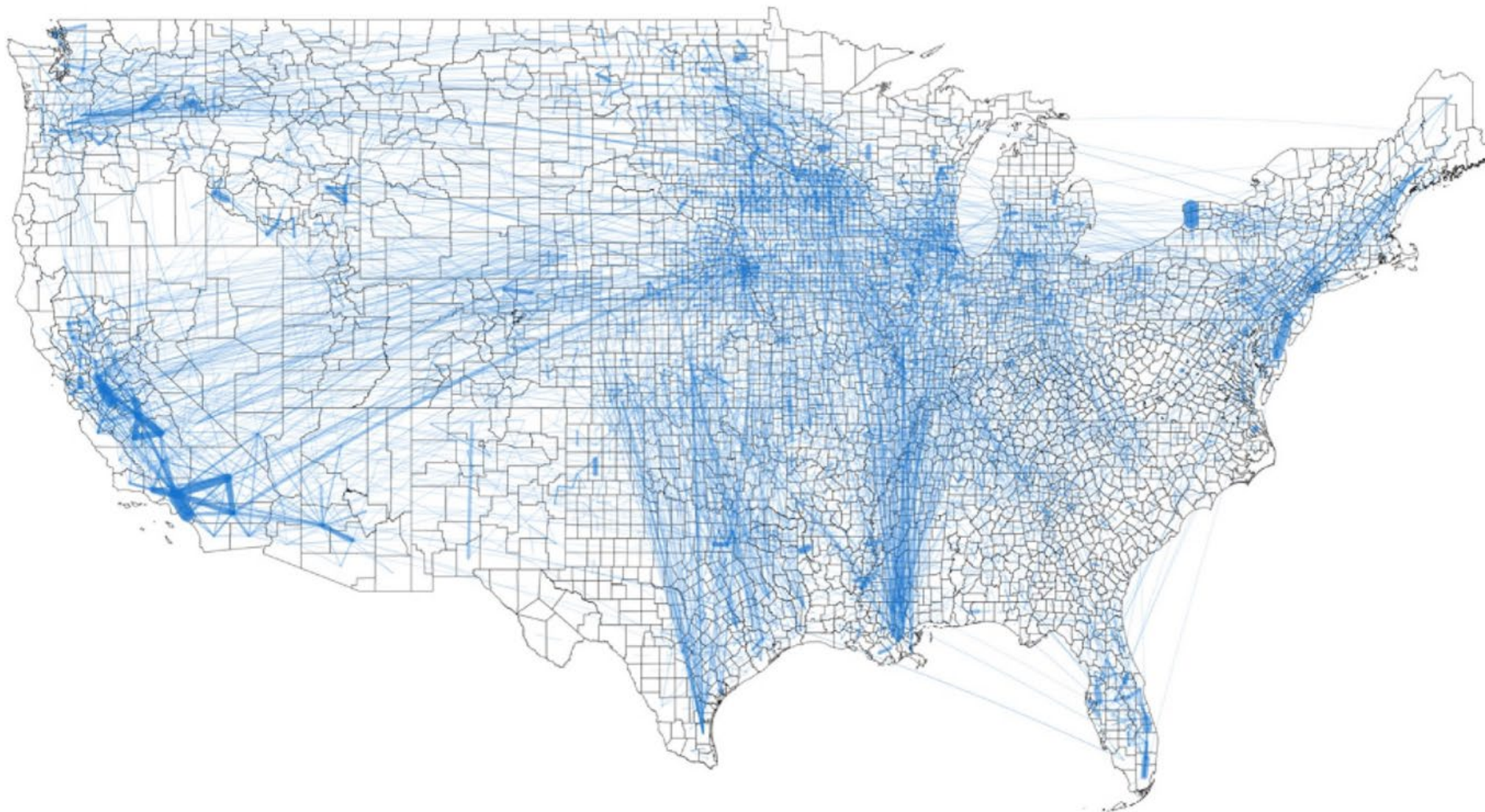


# New England Feeding New England: Cultivating a Reliable Food Supply

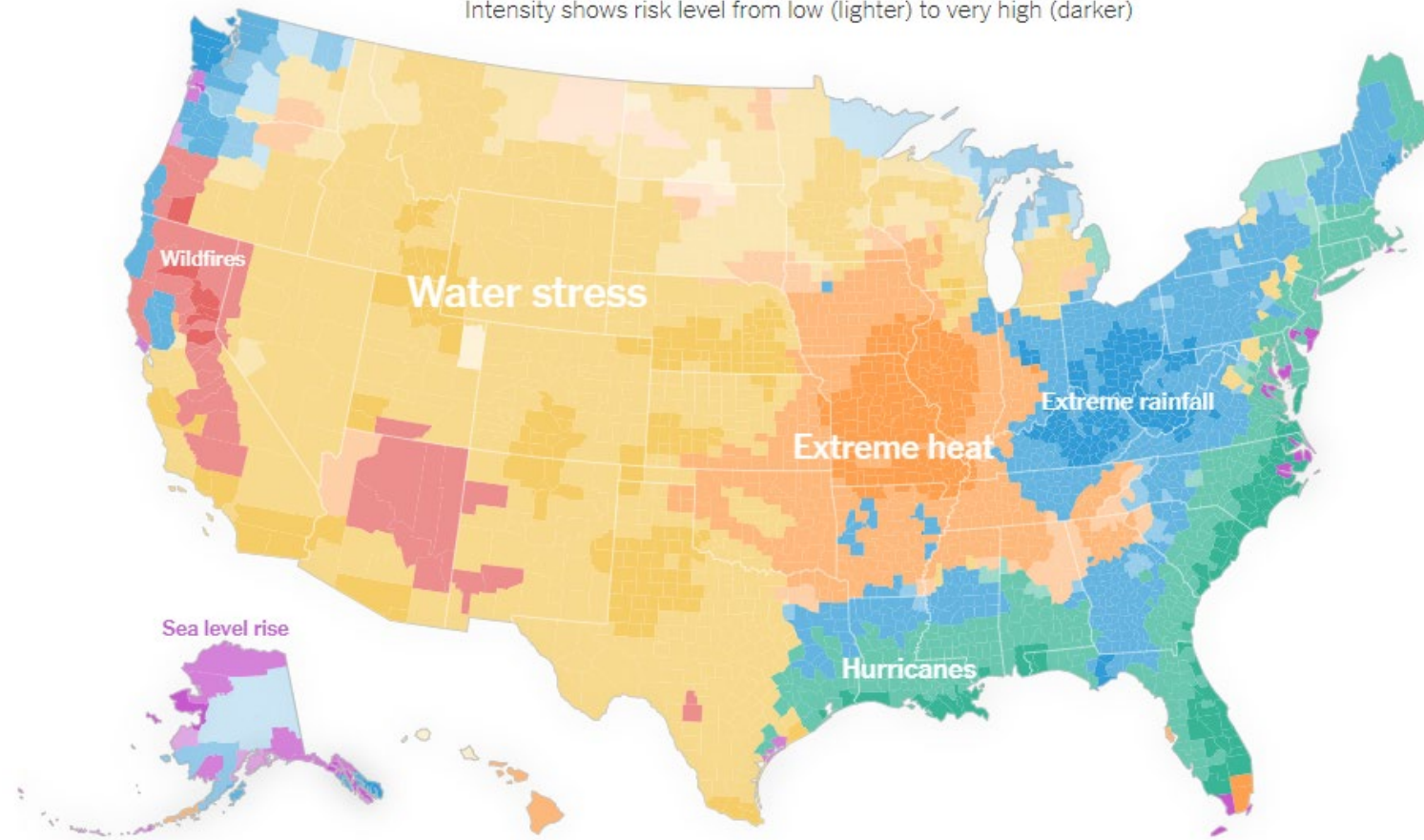
A project of the New England State Food System  
Planners Partnership: 2020-2022

## Food Flows: Downscaled to All Counties



## What to call climate change where you live

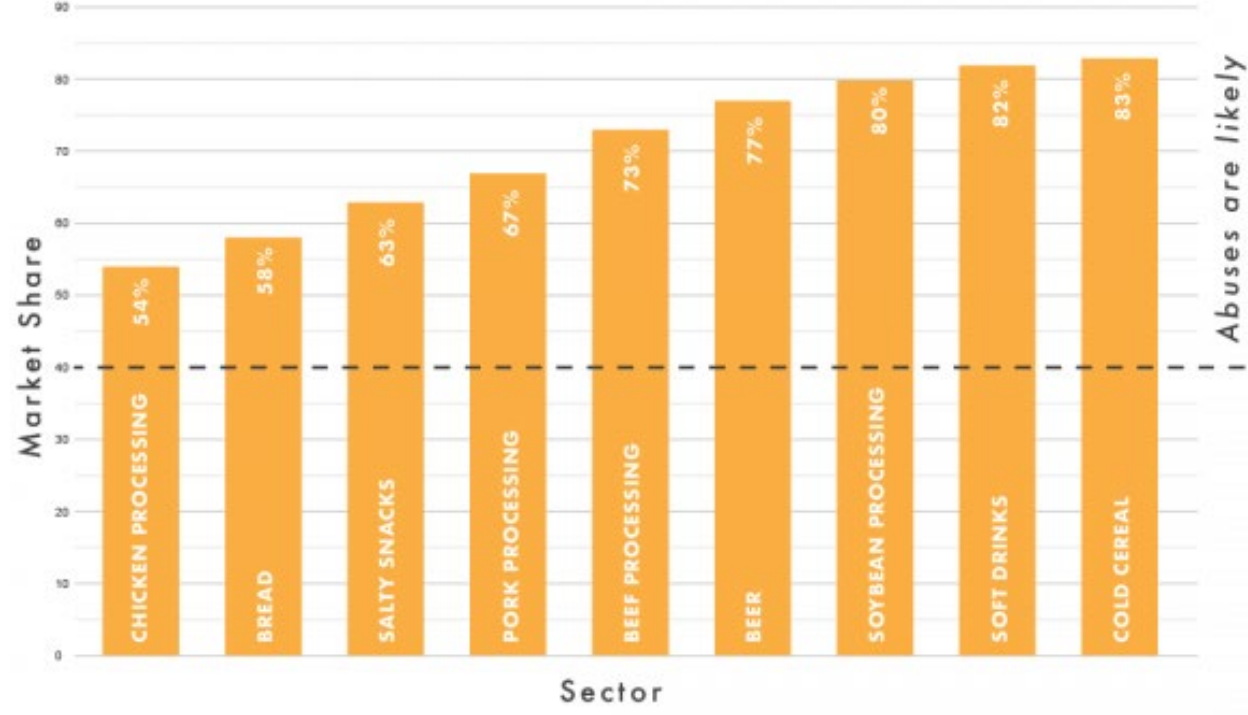
Intensity shows risk level from low (lighter) to very high (darker)



Note: "Water stress" reflects the change in drought-like conditions as well as water demand. The methodology does not consider distant water supply, so in counties where that may play a larger role, we have selected the second-highest climate risk. Risk levels reflect climate impacts from today to 2040. The "wildfire" label applies to counties where at least part of the region contains the highest risk rating in Four Twenty Seven's data. Other terms are assigned using the highest percentile scores among the remaining climate risks. - Source: Four Twenty Seven



## Percent of Market Controlled by Top Four Corporations



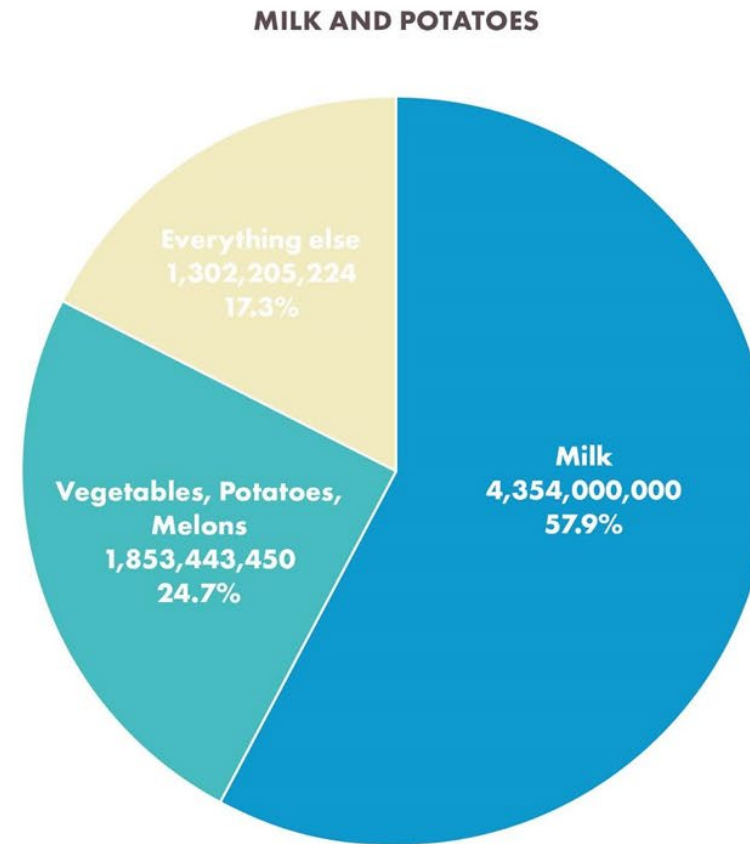
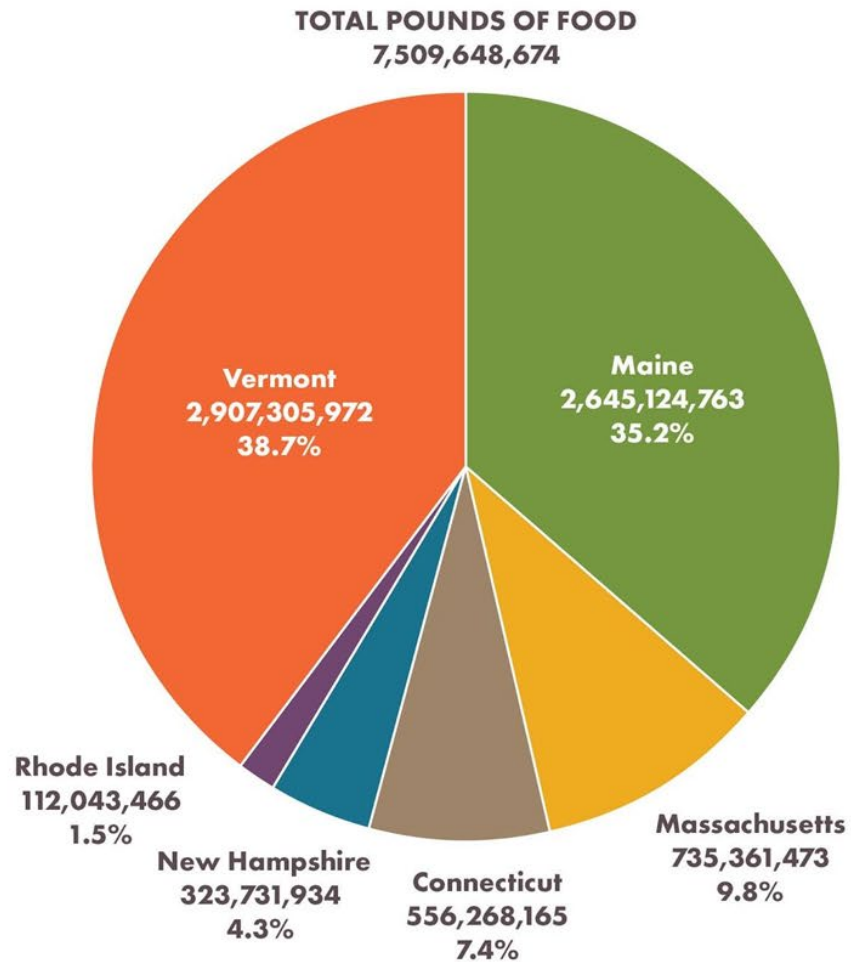
Family Farm  
Action Alliance

# Estimating Food Production in New England

	New England	Connecticut	Maine	Mass.	New Hampshire	Rhode Island	Vermont
Population	<b>14,845,063</b>	3,565,287	1,344,212	6,892,503	1,359,711	1,059,361	623,989
Total Pounds of Food Produced	<b>7,509,648,674</b>	<b>556,268,165</b>	<b>2,645,124,763</b>	<b>735,361,473</b>	<b>323,731,934</b>	<b>112,043,466</b>	<b>2,907,305,972</b>
<i>Total Per Capita Availability</i>	<b>505.9</b>	156.0	1,967.8	106.7	238.1	105.8	4,659.2
Milk and Milkfat	<b>4,354,000,000</b>	443,900,000	641,900,000	210,000,000	258,700,000	12,000,000	2,787,500,000
<i>Milk and Milkfat Per Capita Availability</i>	<b>293</b>	125	478	30	10	11	4,467
Cattle and Calves	<b>109,014,000</b>	15,698,000	18,699,000	8,844,000	8,465,000	818,000	56,490,000
<i>Cattle and Calves Per Capita Availability</i>	<b>7</b>	4	14	1	6	1	91
Chickens sold for slaughter	<b>891,424</b>			1,252			890,172
<i>Chicken Per Capita Availability</i>	<b>0.06</b>	-	-	0.000	-	-	1.427
Eggs	<b>13,100,220</b>			5,387,591			7,712,630
<i>Eggs Per Capita Availability</i>	<b>0.88</b>	-	-	0.78	-	-	12.36
Hogs and Pigs	<b>10,883,000</b>	800,000	2,125,000	3,509,000	1,667,000	554,000	2,228,000
<i>Hogs and Pigs Per Capita Availability</i>	<b>0.73</b>	0.22	1.58	0.51	1.23	0.52	3.57
Sheep and Lamb	<b>297,000</b>						
<i>Sheep and Lamb Per Capita Availability</i>	<b>0.02</b>	-	-	-	-	-	-
Seafood	<b>596,953,208</b>	11,473,215	252,702,763	241,745,080	9,939,184	81,092,966	
<i>Seafood Per Capita Availability</i>	<b>40</b>	3	188	35	7	77	-
Vegetables, Potatoes, Melons	<b>1,853,443,450</b>	49,364,900	1,534,927,700	209,367,900	23,756,650	14,568,500	21,457,800
<i>Vegetables Per Capita Availability</i>	<b>125</b>	14	1,142	30	17	14	34
Fruits and Berries	<b>443,494,372</b>	34,834,050	91,657,300	55,714,650	19,411,100	3,010,000	9,351,370
<i>Fruits/Berries Per Capita Availability</i>	<b>30</b>	10	68	8	14	3	15
Maple Syrup	<b>30,052,000</b>	198,000	5,929,000	792,000	1,793,000	-	21,340,000
<i>Maple Syrup Per Capita Availability</i>	<b>2.02</b>	0.06	4.41	0.11	1.32	-	34.20
Honey	<b>720,000</b>		384,000				336,000
<i>Honey Per Capita Availability</i>	<b>0.05</b>	-	0.29	-	-	-	0.54
Barley and Oats	<b>96,800,000</b>		96,800,000				
<i>Barley and Oats Per Capita Availability</i>	<b>6.52</b>	-	72.01	-	-	-	-

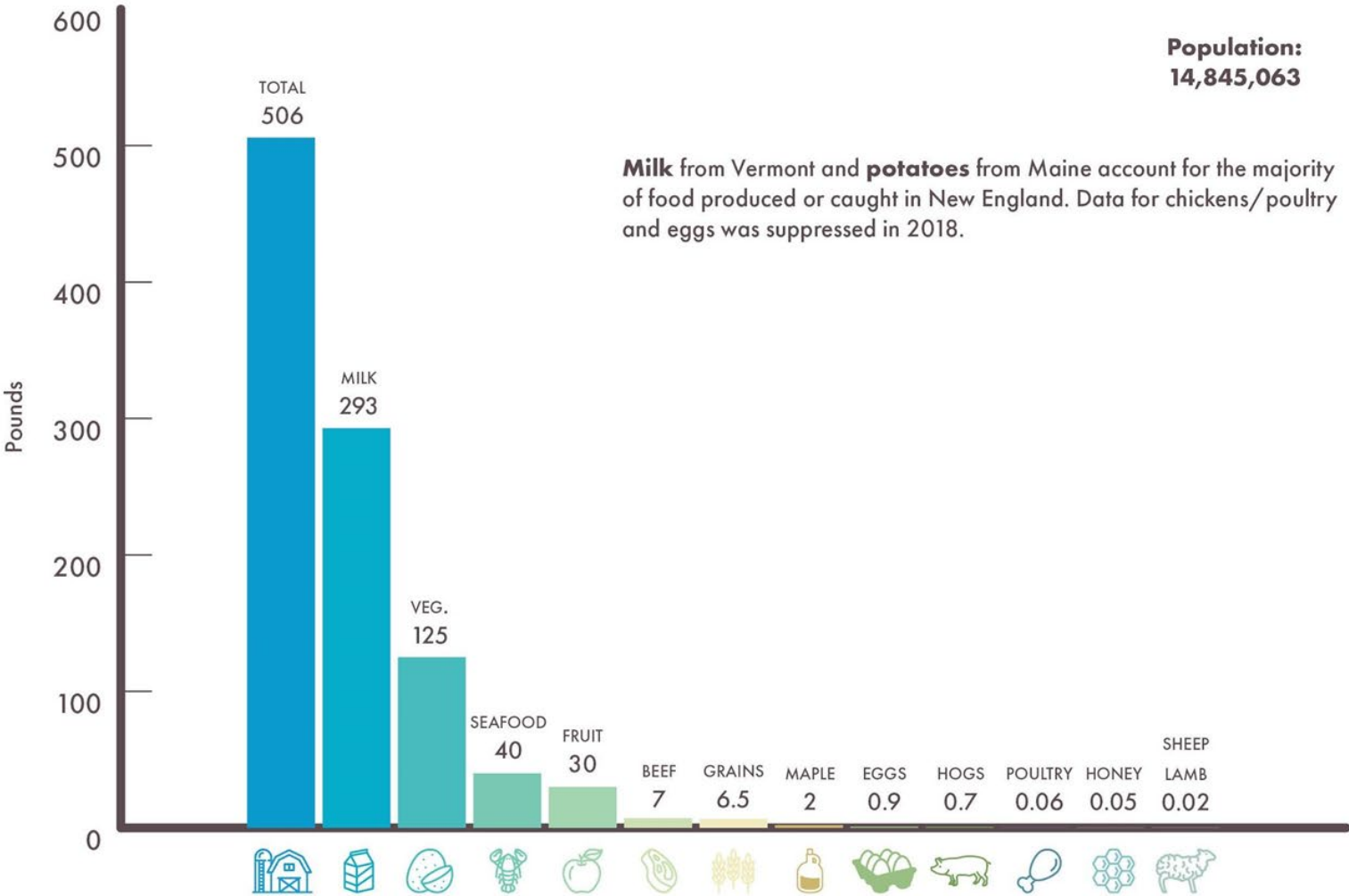
Source: USDA New England Agricultural Statistics, 2018, [www.nass.usda.gov/Statistics\\_by\\_State/New\\_England\\_includes/Publications/Annual\\_Statistical\\_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf](http://www.nass.usda.gov/Statistics_by_State/New_England_includes/Publications/Annual_Statistical_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf)

# Estimating Food Production in New England



**Vermont** and **Maine** account for the majority of food production in New England (74%). **Milk** from Vermont and **potatoes** from Maine account for the majority of pounds of food produced or caught in New England. Data for chickens and eggs was suppressed in 2018.

# New England Per Capita Food Availability



Source: USDA New England Agricultural Statistics, 2018, [www.nass.usda.gov/Statistics\\_by\\_State/New\\_England\\_includes/Publications/Annual\\_Statistical\\_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf](http://www.nass.usda.gov/Statistics_by_State/New_England_includes/Publications/Annual_Statistical_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf)

# Comparing New England Food Production to Food Flows

ESTIMATE OF NEW  
ENGLAND FOOD  
PRODUCTION



ESTIMATE OF FOOD IMPORTS



ESTIMATE OF FOOD EXPORTS



**Source:** USDA New England Agricultural Statistics, 2018, [www.nass.usda.gov/Statistics\\_by\\_State/New\\_England\\_includes/Publications/Annual\\_Statistical\\_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf](http://www.nass.usda.gov/Statistics_by_State/New_England_includes/Publications/Annual_Statistical_Bulletin/2018/2018%20New%20England%20Annual%20Bulletin.pdf). Xiaowen Lin, Paul J. Ruess, Landon Marston, and Megan Konar, "Food flows between counties in the United States," *Environmental Research Letters*, 14(8), 2019, <https://iopscience.iop.org/article/10.1088/1748-9326/ab29ae/meta>. The food flows data is based on the year 2012.



# The New England State Food System Planners Partnership

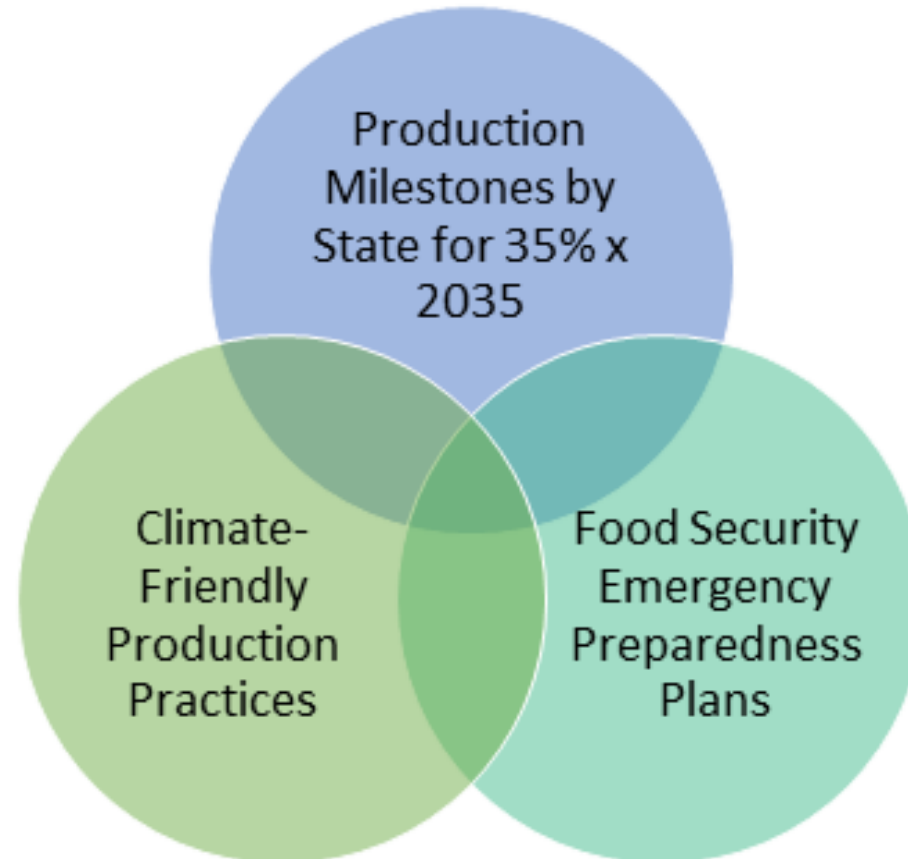


NH FOOD ALLIANCE



# The New England State Food System Planners Partnership

## New England Feeding New England Project



# New England Feeding New England

- **Goal:** To expand and fortify the region's food supply and distribution systems to ensure the availability of adequate, affordable, socially and culturally appropriate products under a variety of rapidly changing climate, environmental, and public health conditions.

# The Project – 1<sup>st</sup> 2-3 years

- **Objective 1**: Inventory and map ongoing projects, policy conversations, and best practices for conducting emergency feeding operations in each state; as well as responses to COVID-19 induced supply chain disruptions. Connect these practices to existing climate action / resiliency / emergency preparedness plans in each state and the region – to codify approaches for future events.



# The Project – 1<sup>st</sup> 2-3 years

- **Objective 2**: Identify and quantify product category milestones necessary to produce and distribute 35% of the food needed by New Englanders, within New England, by 2035. Seek agreement on these milestones, and develop state-by-state roadmaps of build out (infrastructure, financing, etc.) and begin implementation.

# The Project – 1<sup>st</sup> 2-3 years

- **Objective 3**: Amplify existing regional efforts to implement best practices for reducing greenhouse gas emissions attributed to food production, processing, and distribution. Lead state and regional level policy development efforts that are aimed at increasing production efficiency and reducing greenhouse gas emissions at the same time.

# 2021 Vermont Legislative Opportunity

## *Local Food System Consideration in Emergency Planning*

1. Instructs the VAAFMM to expand what is included in the Vermont Emergency Management Plan: VAAFMM Annex and call for:
  - *Plans for supporting agricultural and processed food production expansion in the state in order to mitigate the impacts of food supply chain disruptions*
  - *Plans which include instructions for making food products available to residents as well as instructions for increasing food production within the state*
  - *Developed in collaboration with other appropriate state agencies and NPOs*
  - *May lead other VEMP Annexes or the main VEMP to include language about planning for food security*
2. Instructs the VAAFMM to work with partners to collect information about all of the emergency feeding operations that were coordinated and 'stood up' during the COVID-19 pandemic, to capture lessons learned and best practices to be used during future emergency events.

# More Info:

- New England State Food System Planners Partnership – new website will launch in mid-February, 2021 here:  
<http://www.nefoodsystemplanners.org/>
- Food Security Brief in the new Vermont Agriculture & Food System Strategic Plan 2021-2030 (available after Feb 8<sup>th</sup>)  
<https://www.vtfarmplate.com/resources/collections/farm-to-plate-2-0-strategic-plan>
- Contact VT Sustainable Jobs Fund / VT Farm to Plate