

U.S. Farming 101

Part 2

Future of Food
Webinar

August 2014



Future of Food Archived Webinars

Archived Recordings for Public Viewing:

- Hungry and Overweight: How is it Possible?
- Contributors and Effects of Food Insecurity: Nutrition and Beyond
- School Meals and Community Partnerships: Creative Solutions against Food Insecurity
- Point A to Point B: Improving Access to Healthy Foods in Food Banks
- A Flavorful Pairing: Nutrition Education in Food Banks
- Ready, Set, Go: Preparing and Delivering Effective Nutrition Education for Audiences Facing Food Insecurity
- Making an Impact with Food Insecure Populations
- Successful Synergies
- U.S. Farming 101: Part 1

www.eatright.org/foundation/kidseatright

A Message from the Academy Foundation:



Jean Ragalie-Carr,
RDN

Chair-Elect
Academy of
Nutrition and
Dietetics
Foundation

“Registered dietitian nutritionists (RDNs) are key to translating science-based information to help people understand where their food comes from, how it is responsibly produced and how the nutrients in that food can nourish them. This webinar series will help RDNs understand how farmers also use science-based information and practices to care for the land and for the foods resulting from that land, which plays a leading role in nourishing people. As we look to the future, we must continue to improve our knowledge of farming in order to provide scientifically sound advice about where food comes from and how the entire food system contributes to the health of people and the planet.”

Learning Objectives

- Describe the current demographics of farmers and trends for future farmers
 - Identify at least three main outcomes of the Farm Bill signed into law in February 2014
 - Identify at least three resources for accurate agriculture information
-

Today's Speakers



Jennie Schmidt, MS, RD
Farmer
Schmidt Farms Inc
Schmidt Vineyard Mgt LLC



Jennifer Noll Folliard, MPH, RD
Director, USDA Legislation and Policy
Academy of Nutrition and Dietetics

Schmidt Farms Inc.

3rd Generation in USA

2100 Acres in Maryland

- Corn (biotech & conventional production; formerly certified organic)
- Soybeans (food, feed & seed)
- Wheat (feed & seed)
- Barley (seed)
- 150 acres Roma tomatoes
- 160 acres fresh market green beans
- 80 acres processing lima beans
- 250 acres of hay
- 22 acres winegrapes
- Custom Hire Vineyard Mgt Co.



Our Farm Goal =

to maximize value per acre
producing safe, high quality foods,
while preserving and improving
our soils and sustaining the family
farm for the next generation

Farm Economics

FACT

Schmidt Family

16

Farmers receive
16¢ of every dollar
consumers spend
on food.
(USDA)

MarylandGrain.com

CLEAR

Farm Income up 24% & Expenses up?¹

Table 4

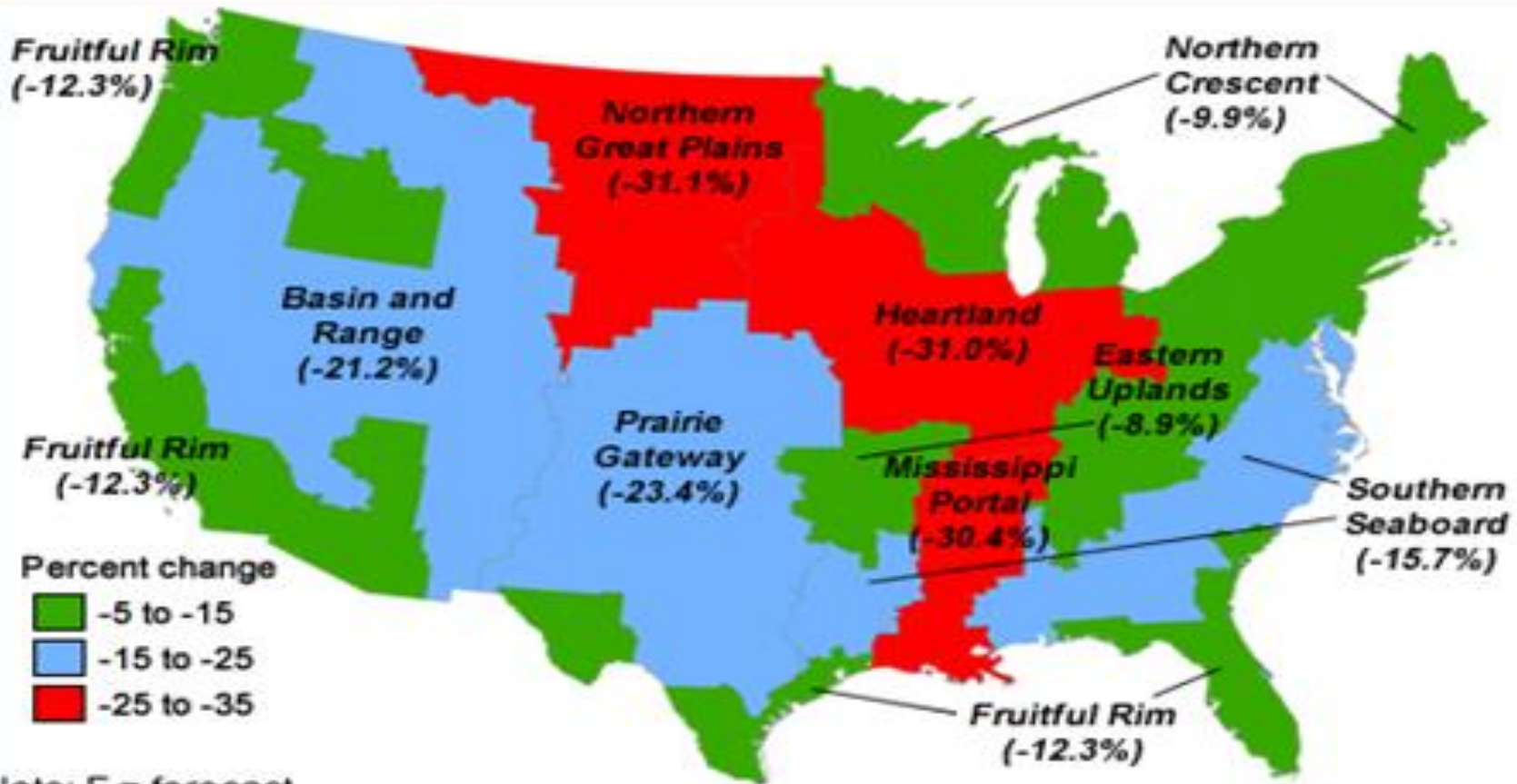
Agricultural Production Expenses, 2007 and 2012

	2007 (\$ billions)	2012	% change
Total	241.1	328.9	36.4*
Feed	49.1	75.7	54.2*
Livestock and poultry purchases	38.0	41.6	9.4
Fertilizer	18.1	28.5	57.6*
Hired labor	21.9	27.0	23.4*
Cash rent	13.3	21.0	58.2*
Seeds	11.7	19.5	66.0*
Supplies and repairs	15.9	18.9	18.7*
Gasoline, fuels, and oils	12.9	16.6	28.4*
Chemicals	10.1	16.5	63.4*
Other	50.1	63.7	27.1*

Source: USDA NASS, 2012 Census of Agriculture.

Changes in Farm Economy²

Farm business net cash income, 2014F compared with 2013F



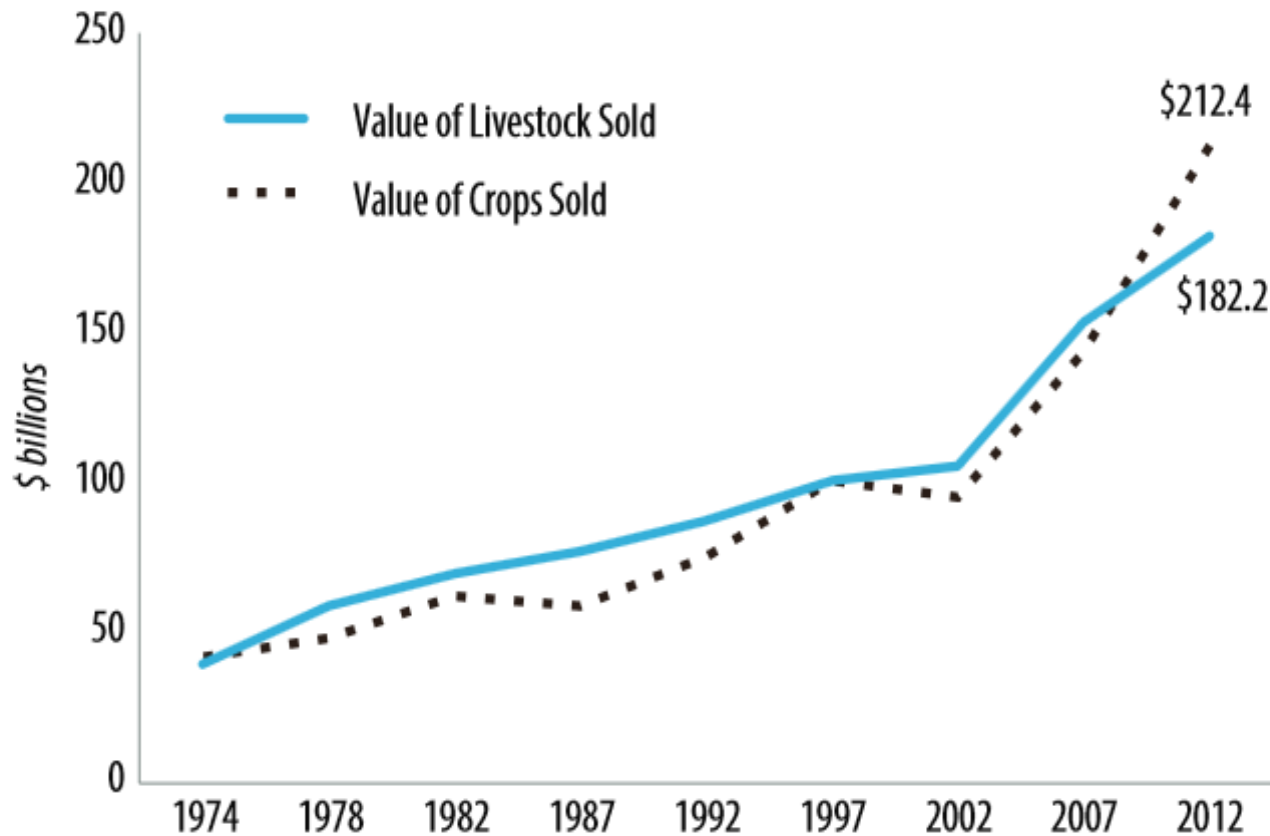
Note: F = forecast.

Source: ERS partial budget model based on the 2012 Agricultural Resource Management Survey (ARMS) using parameters from the sector forecasts. The model is static and therefore does not account for changes in crop rotation, weather, and other location production impacts that occurred after the base year. Data as of February 11, 2014.

Crop versus livestock sales³

Fig. 1

Value of U.S. Crop and Livestock Sales, 1974 - 2012

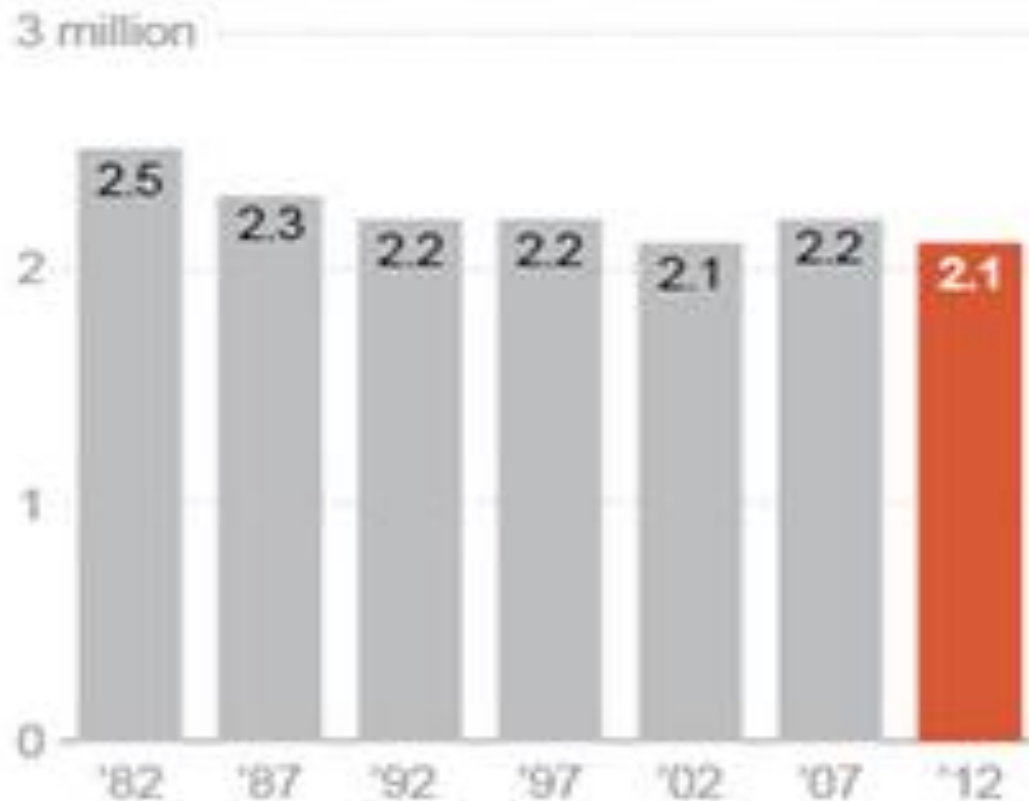


Source: USDA NASS, 2012 Census of Agriculture.

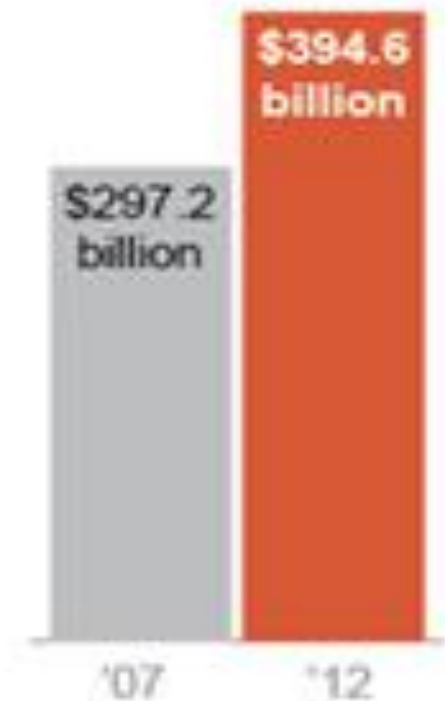
Fewer Farms, Higher Sales³

The number of U.S. farms declined slightly in the past five years, while the value of agricultural products has grown.

Number of U.S. farms



Value of all U.S. agricultural sales

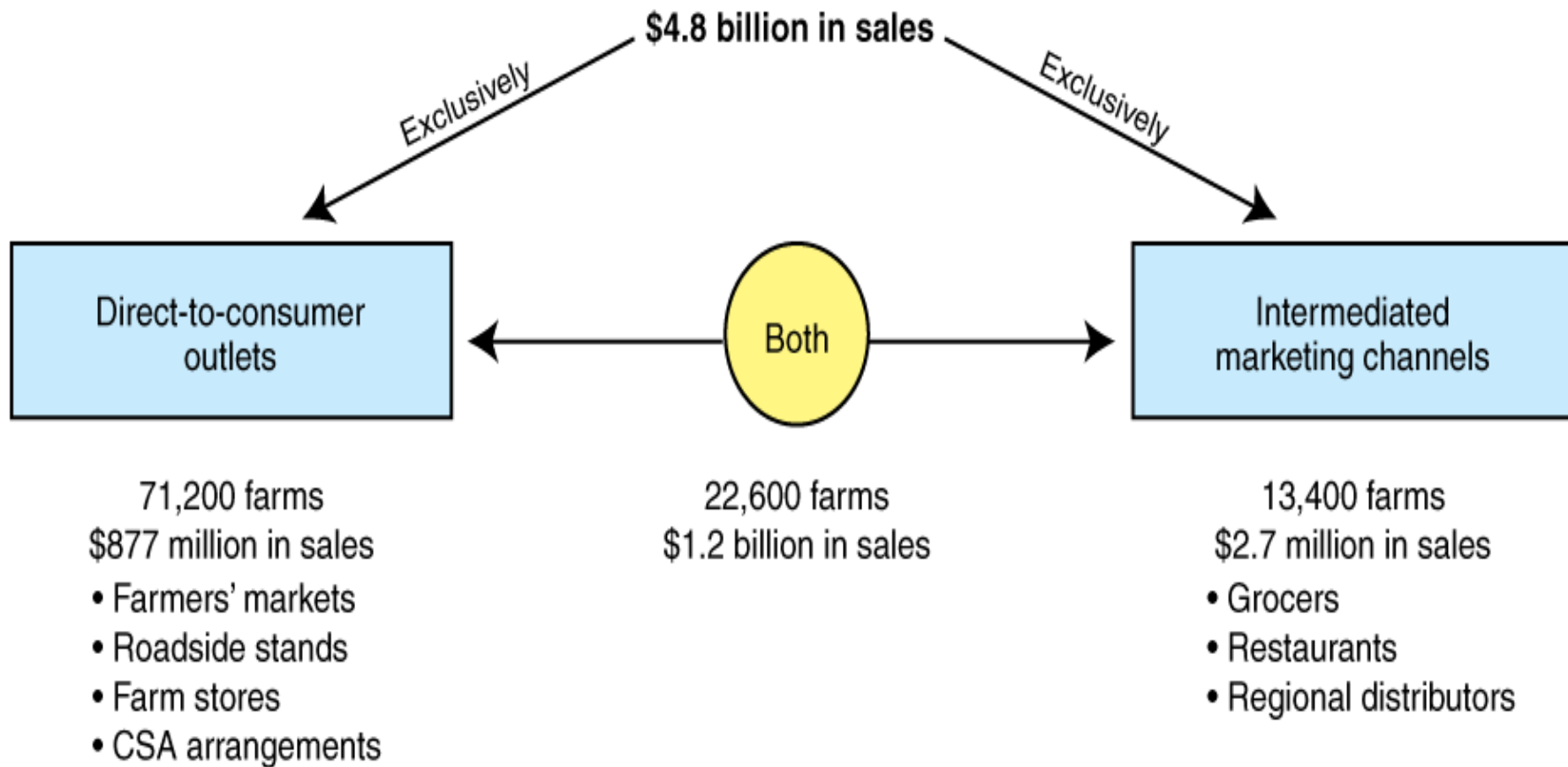


SOURCE: Department of Agriculture

AP

Retail Versus Wholesale⁴

Figure 2
Farmers' local food marketing, 2008



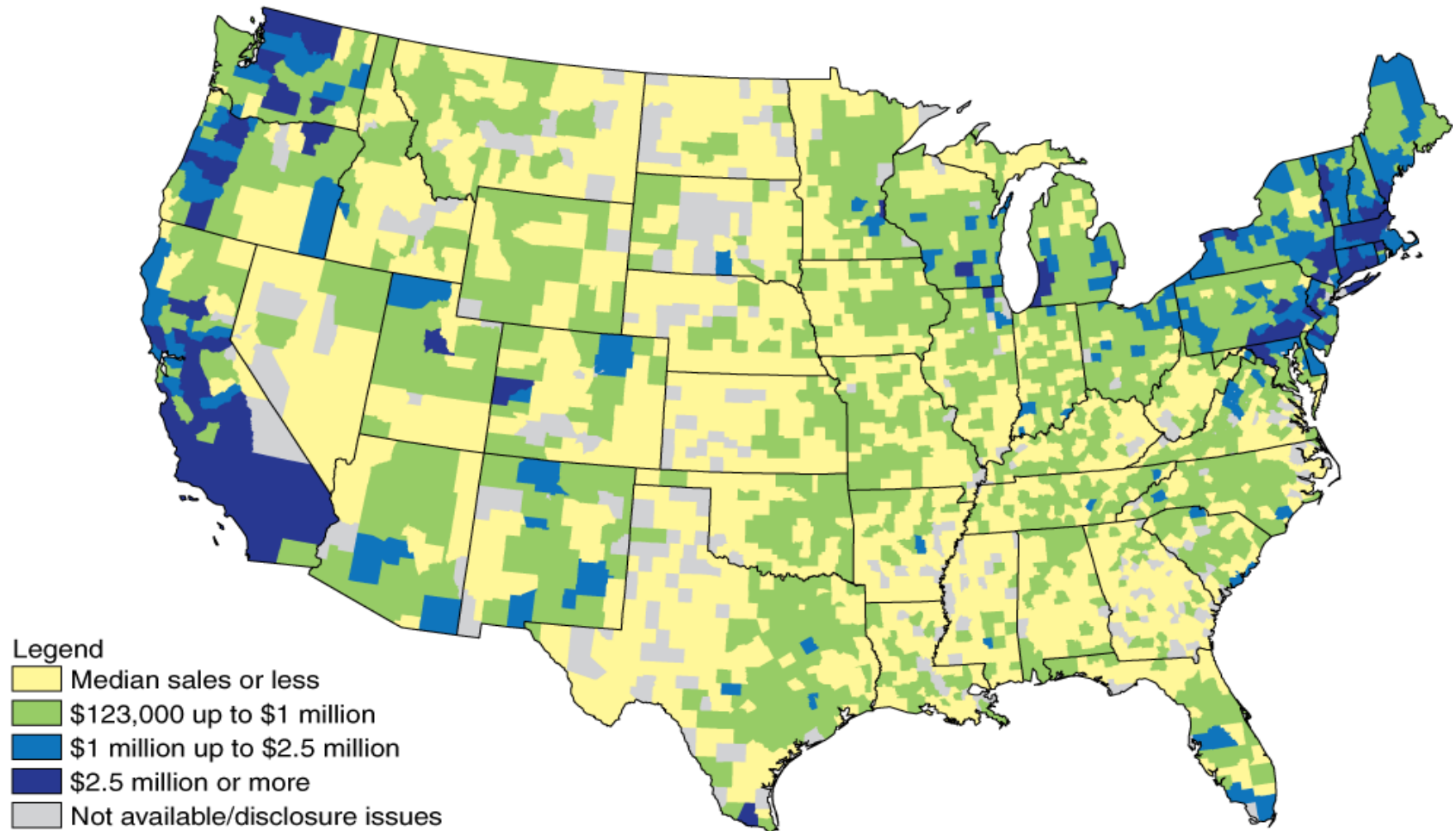
CSA=Community-supported agriculture.

Source: USDA, Economic Research Service calculations based on 2008 Agricultural Resource Management Survey, conducted by USDA, National Agricultural Statistics Service and Economic Research Service.

Direct to Consumer Sales⁵

Figure 3

Value of direct-to-consumer sales, by county, 2007



Source: USDA, National Agricultural Statistics Service; 2007 Census of Agriculture.

Food & Farming:

Why the disconnect?



USDA est. 1862
“The People’s Department”
(90% of the population were
farmers)

Farmers now make up
<2% of the US population

“Milk comes from a cow?”

Agricultural Act of 2014⁶



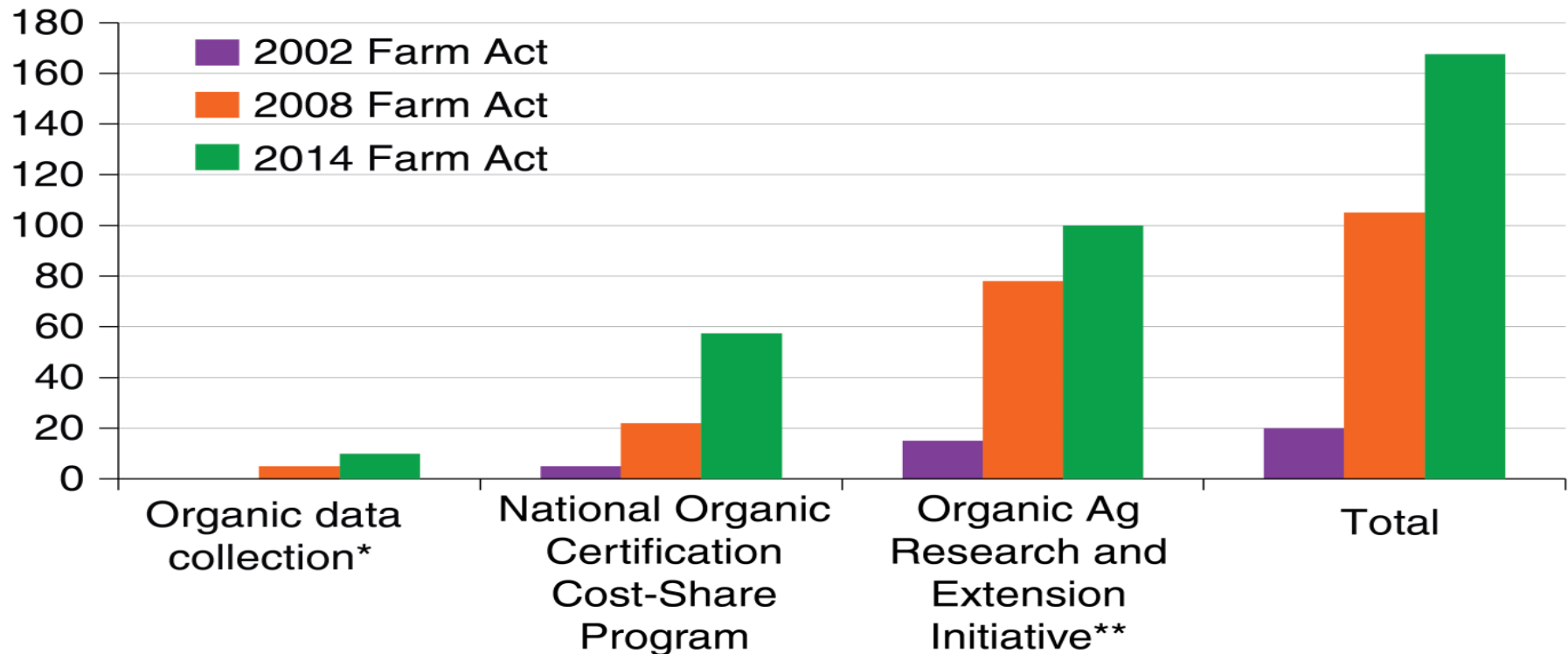
“It’s like a Swiss Army knife.”

- President Obama 2/7/14

Increased Subsidy for Organic Ag⁷

Mandatory spending on organic agriculture, 2002-2014 Farm Acts

\$ million



*Includes \$5 million in 2014 for National Organic Program database and technology update.

**Does not include intramural organic research funds in USDA, Agricultural Research Service.

Source: Office of Budget and Policy Analysis budget summary data (2002), Congressional Budget Office (2008), and 2014 Farm Act .

Specialty Crops Grants & Support⁸



Specialty Crop Farm Bill Alliance Summary:

http://www.unitedfresh.org/assets/2014_Farm_Bill_SummaryFINAL.pdf

Importance of the Farm Bill to Family Farms



Crop Insurance



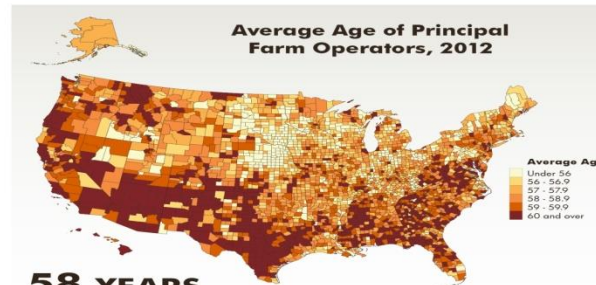
Conservation Programs

Future Farmer Trends^{9, 10}



The Faces of U.S. Agriculture

The 2012 Census of Agriculture lets us know who is involved in U.S. agriculture – from family farmers to hired labor, and from new, beginning farmers to next-generation farmers. Census data help inform smart policymaking to benefit farmers and ranchers, their communities, businesses and industries.



969,672

The number of all female farm operators in 2012.
That's 30% of all farm operators in the United States.



Top 5 States by Total Number of Hispanic Farm Operators, 2012



* Statistically significant change. Visit <http://bit.ly/AgCensusFAQs>.

www.agcensus.usda.gov
U.S. Department of Agriculture
National Agricultural Statistics Service

3.2 MILLION

The number of all farm operators in the U.S. in 2012.

That's more farmers than the entire population of Iowa.



↓ Down 3% from 2007.

22 PERCENT

The percent of all farmers in the U.S. who were beginning farmers in 2012.



That means 1 out of every 5 farmers operated a farm for less than 10 years.

87 PERCENT

The percent of farms that are operated by families or individuals in the U.S.

Of the total number of operators, 2.4 million live on their farms.



2.7 MILLION

The number of hired farm workers in 2012.

↑ Up 4% from 2007.*

Hired farm workers account for less than 1% of all U.S. wage and salary workers but are vital to agriculture production.



257,454

The number of Millennial Generation farmers age 34 or younger in the U.S. in 2012.

That's more than 4 times the enrollment of Texas A&M University.



2012 CENSUS OF AGRICULTURE

Nutrition Policy Update – Farm Bill

Jennifer Noll Folliard MPH, RDN
Director, USDA Legislation and Policy
Academy of Nutrition and Dietetics

The Academy's Public Policy Role

The Academy is ...

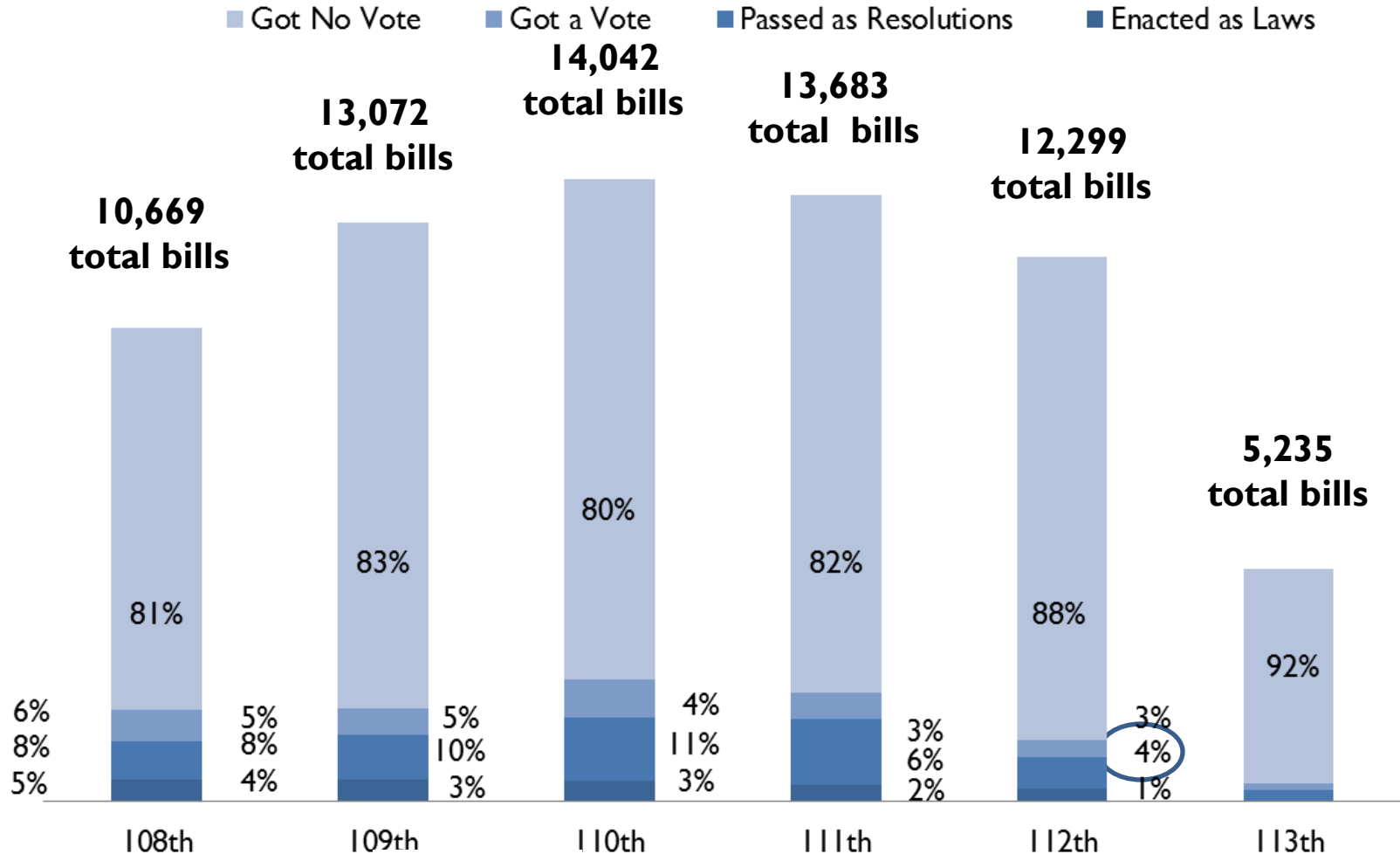
- Committed to improving the nation's health
- Advancing the profession of dietetics through research, education, and advocacy
 - Public policy and advocacy are core functions of our profession
 - Public policy influences the public image of the Academy and our profession

Overview

- General overview of the programs authorized and funded through the Farm Bill
 - Academy Farm Bill Recommendations and Priorities
 - Implementation and opportunities
 - **Why it's important to RDNs and their patients/clients**
-

Percentage of Bills Enacted as Laws on the Decline

Breakdown of Bills and Resolutions by Status, 108th-113th Congresses



Farm Bill Reauthorization

If at first you don't succeed... try try again



- Largest single piece of food and nutrition legislation
- Bridge between the agriculture, nutrition and food

Signed into law - February 7, 2014

“It’s like a Swiss Army knife”^{6, 12}

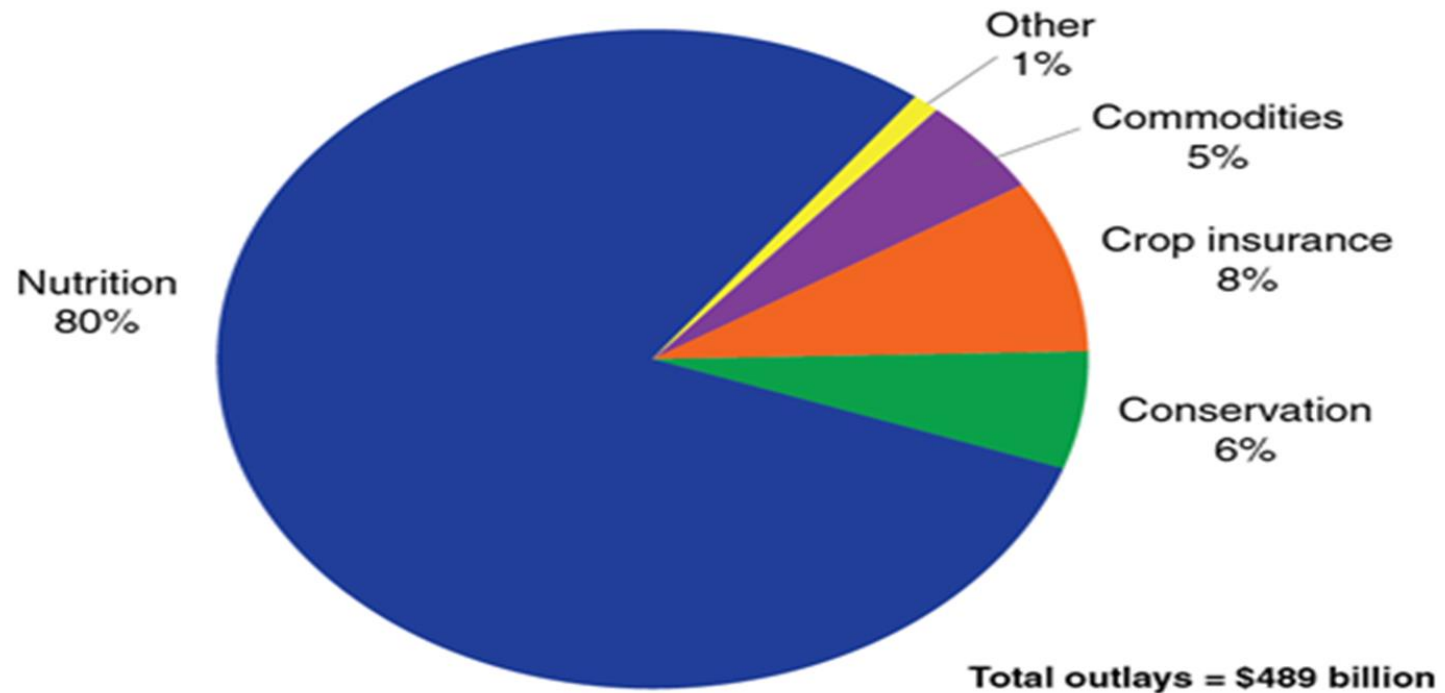


“It’s like a Swiss Army knife.”

- President Obama 2/7/14

Funding in the Farm Bill¹³

Projected outlays under the 2014 Farm Act, 2014-2018

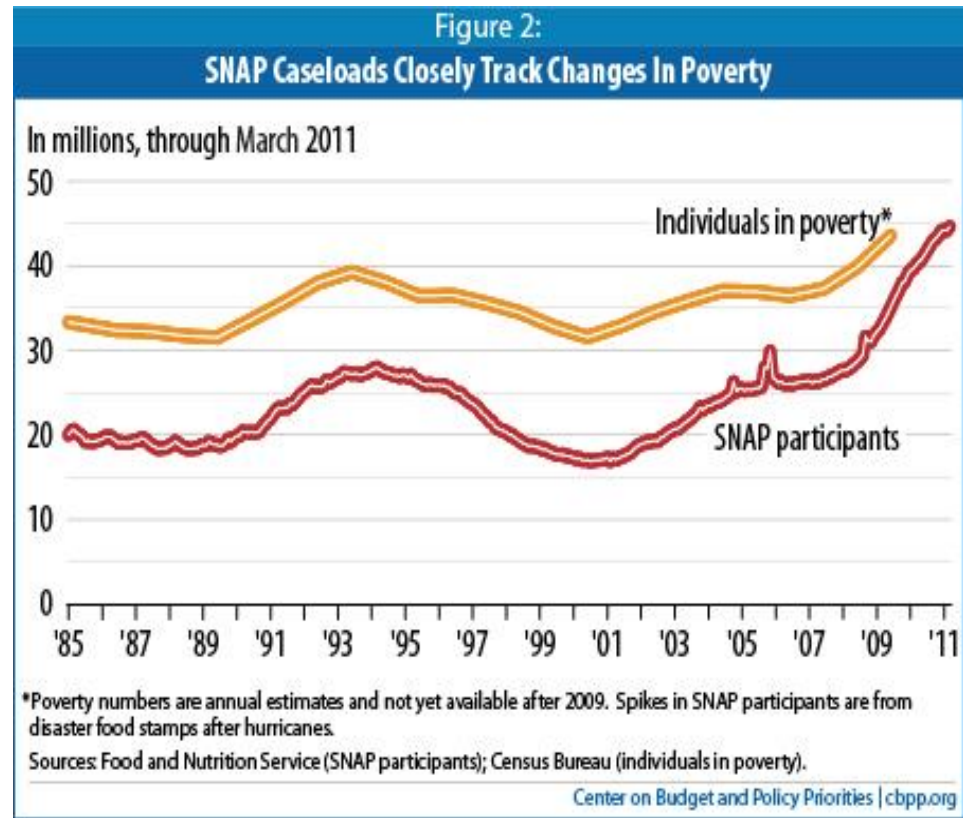


Source: USDA Economic Research Service using data from Congressional Budget Office, Cost Estimates for the Agricultural Act of 2014, Jan 2014.

Academy Recommendations

Protect and Strengthen key programs in our nation's nutrition safety net¹⁴

- Supplemental Nutrition Assistance Program (SNAP)
 - Reduction in funds for 16 states and D.C.
 - Increase access to healthy foods – SNAP retailers
 - Improved SNAP access for homebound seniors



Academy Recommendations

Protect and Strengthen key programs in our nation's nutrition safety net (continued)¹⁴

- The Emergency Food Assistance Program (TEFAP)
 - Funding increase → \$205 million
- The Commodity Supplemental Food Program (CSFP)
 - Transition to only serving low-income seniors



Academy Recommendations

- Maintain funding and protect the integrity of the Fresh Fruit and Vegetable Program¹⁵
 - \$5 million provided to carry out a pilot program



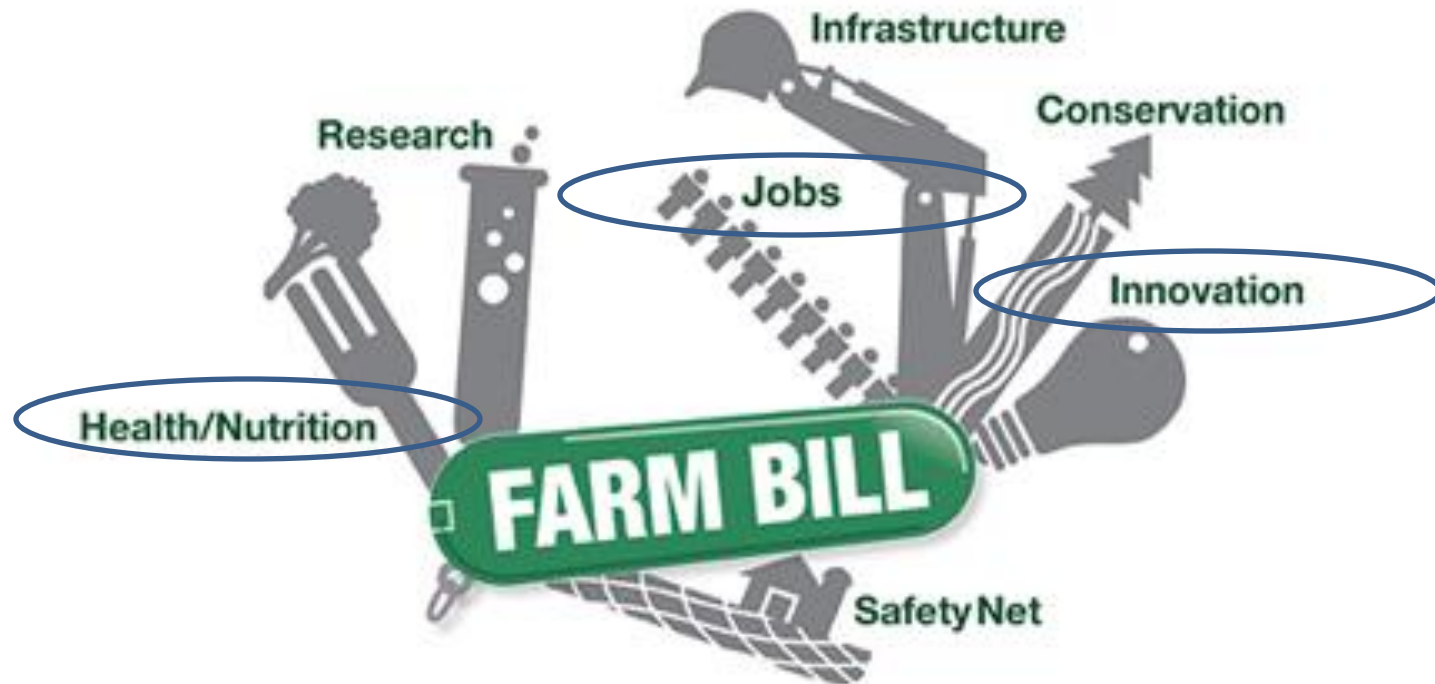
Academy Recommendations

Empower Consumers with knowledge ^{16, 17}

- Supplemental Nutrition Assistance Program – Nutrition Education (SNAP-Ed)
 - Restored/Protect funding



“It’s like a Swiss Army knife”⁶



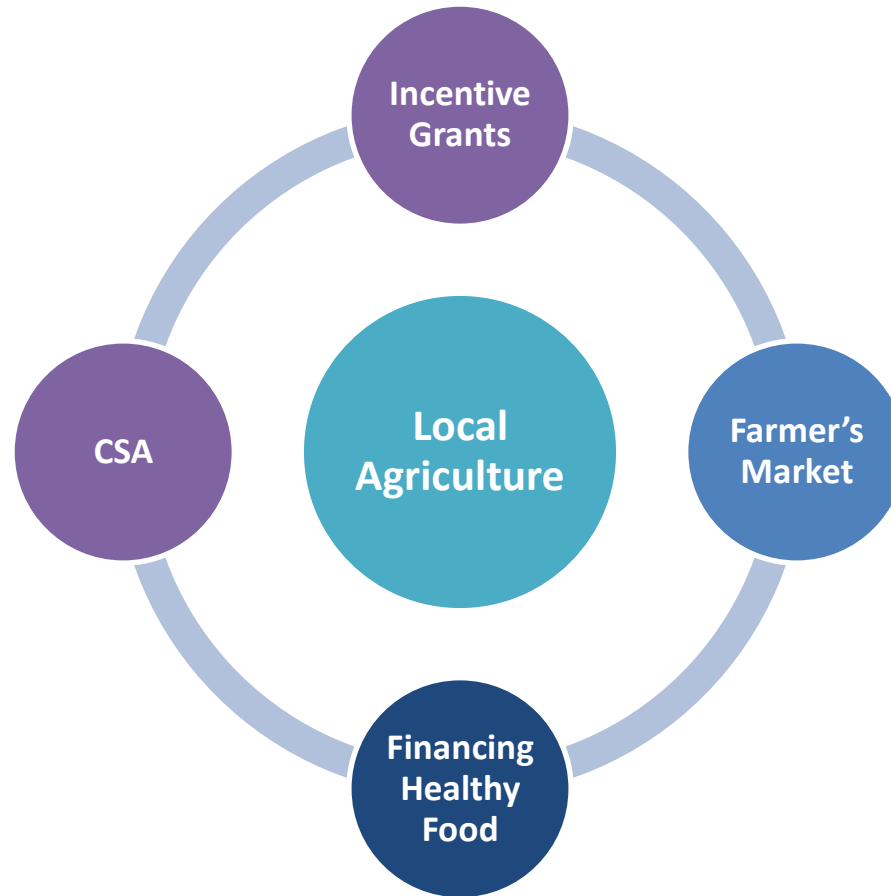
“It’s like a Swiss Army knife.”

- President Obama 2/7/14

Academy Recommendations

Assure a Healthy and Safe Food System^{12, 18}

- Ensure funding for a variety of community-based and regional agriculture initiatives



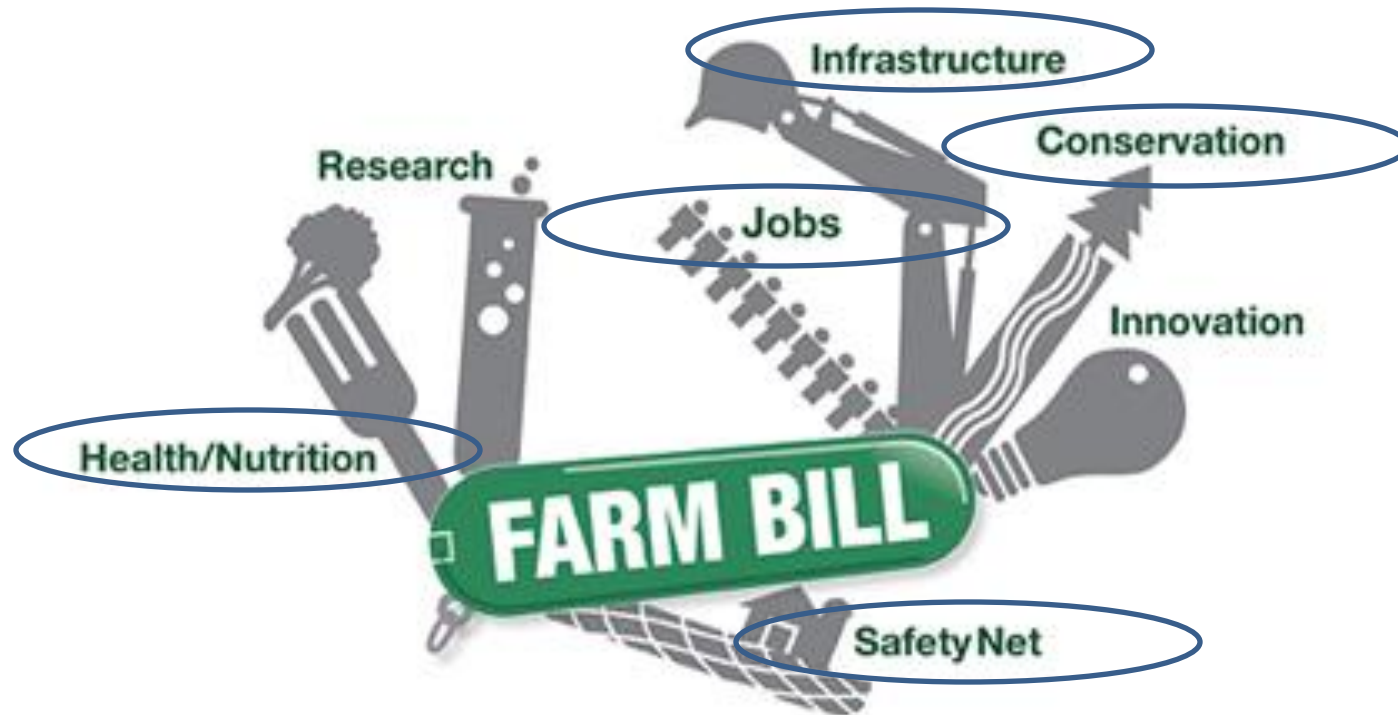
Academy Recommendations

Assure a Healthy and Safe Food System

- Support farm practices that conserve soil, water, air, habitat and biodiversity^{12, 19, 20, 21}
 - Beginning Farmer and Rancher Development Program
 - \$100 Million investment
 - Conservation practices and compliance
 - Re-linked with crop insurance premiums



“It’s like a Swiss Army knife”⁶



“It’s like a Swiss Army knife.”

- President Obama 2/7/14

Academy Recommendations

Assure Sound Science for Future Evidenced-Based Decision Making²²

- National Institutes for Food and Agriculture
 - Foundation for Food and Agricultural Research established
 - Innovation Institutes established
 - Increased funding to Community Food Projects



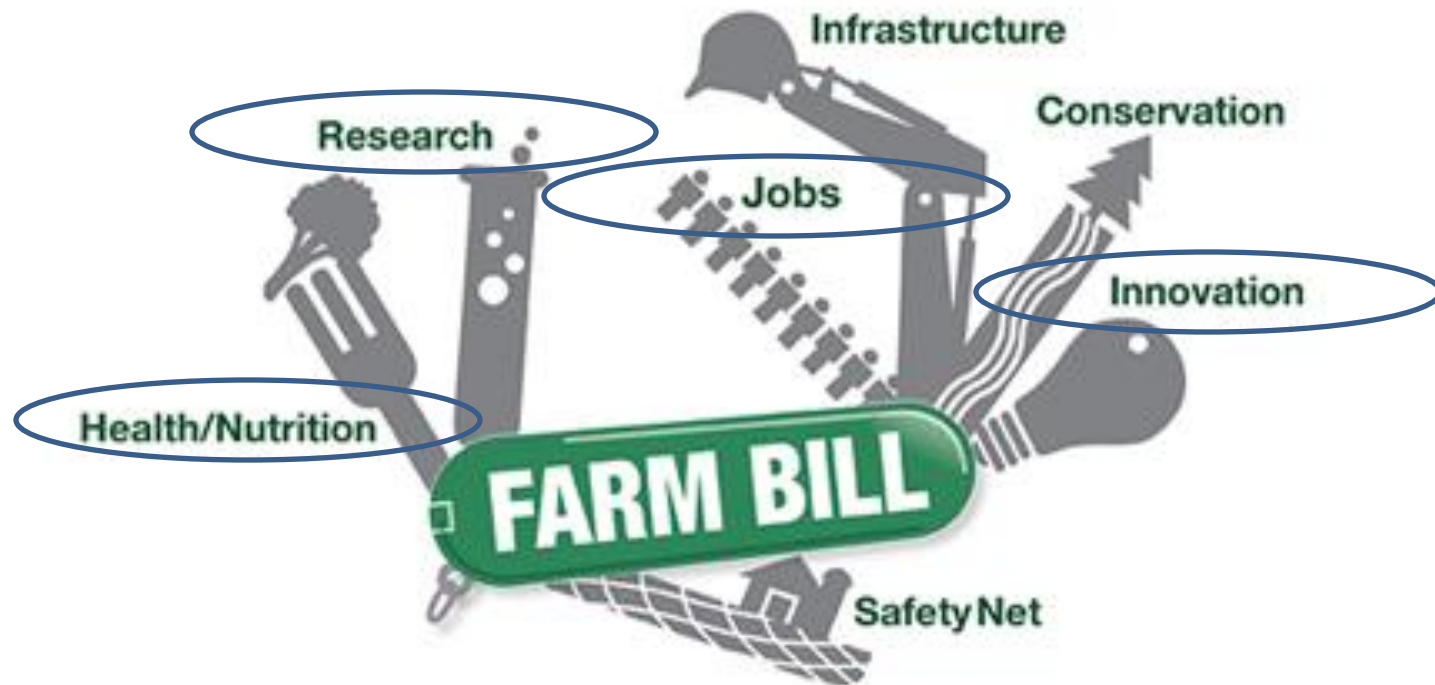
Academy Recommendations

Assure Sound Science for Future Evidenced-Based Decision Making (continued)^{22, 23}

- Agriculture Research Service, which includes the Human Nutrition Research Centers
 - Reauthorized, funding secured
- Specialty Crop Block Grants
 - Increase in mandatory funding



“It’s like a Swiss Army knife”⁶



“It’s like a Swiss Army knife.”

- President Obama 2/7/14

Opportunities

- Eat Right Weekly for updates
- Share your stories
- Action alerts



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Health Care Reform

Priority Areas

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State Affairs

Regulatory Comments

Testimony and Statements

Public Policy Workshop 2014

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Legislation

CQ State Track

Sequestration

FOOD AND NUTRITION INFORMATION

School, Academy Says Students Should

school meals designed to improve the health of 32 million

place nationwide thanks to the Healthy, Hunger-Free Kids

st Lady Michelle Obama and implemented through the U.S.

During Kids Eat Right Month this August, as children head

Academy of Nutrition and Dietetics says more school meal

Spotlights 'Hunger-Overweight Paradox'

tion, but millions of American children are both hungry

s Eat Right Month, the Academy of Nutrition and Dietetics

overweight paradox" and ways to ensure children meet

Coming Up

Atlanta Hosts this Year's FNCE®

Don't miss out on the 2014 Food & Nutrition Conference & Expo™ held October 18-21 in Atlanta, Georgia. And what better place to visit than Atlanta? This thriving convention center combines the diversity of a modern American city with the traditions of its deep Southern roots.

If you're into arts, you can take in one

www.eatright.org/Members/content.aspx?id=8847

Start

1:13 PM 7/22/2014



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Take Action

Amplify the Academy of Nutrition and Dietetics' voice for better food, nutrition and health policies with the resources below. Learn how to speak effectively on behalf of public health and reformed health care policies and help build recognition that you are the food and nutrition experts!

- [Grassroots Advocacy: How the Academy's Affiliate Structure Works](#)
- [Congressional Materials](#)

GRASSROOTS MANAGER

Support for nutrition is not only good public policy, it is good politics. Members of the Academy of Nutrition and Dietetics have the ability and responsibility to urge consumers and lawmakers to learn about the positive role nutrition plays in healthy lifestyles. Nutrition also plays an effective role in disease management and treatment. For both individuals and society, the benefits of eating right and exercising include improved qualities of life and lower health-care costs.



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ACTIONS COMPLETED

ALERT PLEASE SUPPORT HR1074: NATIONAL DIABETES CLINICAL CARE COMMISSION ACT

Thank you for taking action.

Take aways ...

- Farm bill = food & nutrition bill
 - Largest investment in food and nutrition research and education is funded through the Farm Bill
 - The Farm Bill passage was not perfect, but we feel it was a win.
 - The Academy alerts YOU to act, when the time is right ... WE NEED YOU!
-

Future of Food Live Webinars

- Food Security and Nutrition: Challenges and Opportunities in Improving World Health
 - Amie Heap, MPH, RDN
 - Stacia Nordin, RDN
- Food Production and Our Environmental Responsibility
 - Jude Capper, PhD, Livestock Sustainability Consultant
 - Sandra Vijn, Director, Dairy, World Wildlife Fund



Register:

www.eatright.org/foundation/kidseatright

FNCE Foundation Symposium

Saturday, October 18, 2014
11am-1pm

“The RDNs Guide to Plentiful, Nutrient Dense Food for the World”

Presenter

Dr. Robert Thompson

Panelists

Abigail Copenhaver, RD
Dayna Green-Burgeson, RD, CDE
Amy Myrdal Miller, MS, RD
Jennie Schmidt, MS, RD

Moderator

Christine McCullum-Gomez, PhD, RD, LD

Q & A

View recorded webinars at
[www.eatright.org/foundation/
kidseatright](http://www.eatright.org/foundation/kidseatright)



This document was developed with an educational grant from Elanco.

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