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:

“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.”

Jean Ragalie-Carr, RDN
Chair-Elect
Academy of Nutrition and Dietetics Foundation
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
Farmers receive 16¢ of every dollar consumers spend on food.

(USDA)

MarylandGrain.com
### Table 4

Agricultural Production Expenses, 2007 and 2012

<table>
<thead>
<tr>
<th></th>
<th>2007</th>
<th>2012</th>
<th>% change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>241.1</td>
<td>328.9</td>
<td>36.4*</td>
</tr>
<tr>
<td>Feed</td>
<td>49.1</td>
<td>75.7</td>
<td>54.2*</td>
</tr>
<tr>
<td>Livestock and poultry purchases</td>
<td>38.0</td>
<td>41.6</td>
<td>9.4</td>
</tr>
<tr>
<td>Fertilizer</td>
<td>18.1</td>
<td>28.5</td>
<td>57.6*</td>
</tr>
<tr>
<td>Hired labor</td>
<td>21.9</td>
<td>27.0</td>
<td>23.4*</td>
</tr>
<tr>
<td>Cash rent</td>
<td>13.3</td>
<td>21.0</td>
<td>58.2*</td>
</tr>
<tr>
<td>Seeds</td>
<td>11.7</td>
<td>19.5</td>
<td>66.0*</td>
</tr>
<tr>
<td>Supplies and repairs</td>
<td>15.9</td>
<td>18.9</td>
<td>18.7*</td>
</tr>
<tr>
<td>Gasoline, fuels, and oils</td>
<td>12.9</td>
<td>16.6</td>
<td>28.4*</td>
</tr>
<tr>
<td>Chemicals</td>
<td>10.1</td>
<td>16.5</td>
<td>63.4*</td>
</tr>
<tr>
<td>Other</td>
<td>50.1</td>
<td>63.7</td>
<td>27.1*</td>
</tr>
</tbody>
</table>

*Source: USDA NASS, 2012 Census of Agriculture.*
Changes in Farm Economy

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

- Fruitful Rim (-12.3%)
- Northern Great Plains (-31.1%)
- Northern Crescent (-9.9%)
- Basin and Range (-21.2%)
- Heartland (-31.0%)
- Eastern Uplands (-8.9%)
- Mississippi Portal (-30.4%)
- Prairie Gateway (-23.4%)
- Southern Seaboard (-15.7%)
- Fruitful Rim (-12.3%)

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 sales

Fig. 1
Value of U.S. Crop and Livestock Sales, 1974 - 2012

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**

- 3 million

**Value of all U.S. agricultural sales**

- $297.2 billion
- $394.6 billion

**Years**

- '82
- '87
- '92
- '97
- '02
- '07
- '12

**Sources:**
- Department of Agriculture
- AP
Figure 2
Farmers’ local food marketing, 2008

- **Direct-to-consumer outlets**
  - 71,200 farms
  - $877 million in sales
  - Farmers’ markets
  - Roadside stands
  - Farm stores
  - CSA arrangements

- **Intermediated marketing channels**
  - 13,400 farms
  - $2.7 million in sales
  - Grocers
  - Restaurants
  - Regional distributors

- **Both**
  - 22,600 farms
  - $1.2 billion in sales

-$4.8$ billion in sales

CSA=Community-supported agriculture.
Direct to Consumer Sales

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

Legend
- Yellow: Median sales or less
- Light green: $123,000 up to $1 million
- Medium green: $1 million up to $2.5 million
- Dark green: $2.5 million or more
- Gray: Not available/disclosure issues

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 2014

“It’s like a Swiss Army knife.”
- President Obama 2/27/14
Increased Subsidy for Organic Ag

Mandatory spending on organic agriculture, 2002-2014 Farm Acts

$ million

2002 Farm Act
2008 Farm Act
2014 Farm Act

***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.
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\textsuperscript{9, 10}

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.

**The Faces of U.S. Agriculture**

The average age of a principal farm operator. The average age is generally highest in the south, and lowest in the upper plains.

- **969,672**
  - The number of all female farm operators in 2012.
  - That's 30% of all farm operators in the United States.

- **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.

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

<table>
<thead>
<tr>
<th>Congress</th>
<th>Total Bills</th>
<th>Got No Vote</th>
<th>Got a Vote</th>
<th>Passed as Resolutions</th>
<th>Enacted as Laws</th>
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<tbody>
<tr>
<td>108th</td>
<td>10,669</td>
<td>81%</td>
<td>8%</td>
<td>5%</td>
<td>4%</td>
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<tr>
<td>109th</td>
<td>13,072</td>
<td>83%</td>
<td>8%</td>
<td>5%</td>
<td>3%</td>
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<tr>
<td>110th</td>
<td>14,042</td>
<td>80%</td>
<td>10%</td>
<td>4%</td>
<td>2%</td>
</tr>
<tr>
<td>111th</td>
<td>13,683</td>
<td>82%</td>
<td>11%</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>112th</td>
<td>12,299</td>
<td>88%</td>
<td>3%</td>
<td>6%</td>
<td>4%</td>
</tr>
<tr>
<td>113th</td>
<td>5,235</td>
<td>92%</td>
<td>4%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>
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.”

- President Obama 2/7/14
Funding in the Farm Bill

Projected outlays under the 2014 Farm Act, 2014-2018

- Nutrition: 80%
- Commodities: 5%
- Crop insurance: 8%
- Conservation: 6%
- Other: 1%

Total outlays = $489 billion

Academy Recommendations

Protect and Strengthen key programs in our nation’s nutrition safety net\textsuperscript{14}

- 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)

- 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 Program
  - $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.”

- President Obama 2/7/14
Academy Recommendations

Assure a Healthy and Safe Food System\textsuperscript{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\textsuperscript{12, 19, 20, 21}
  \begin{itemize}
    \item Beginning Farmer and Rancher Development Program
      \begin{itemize}
        \item $100 Million investment
      \end{itemize}
    \item Conservation practices and compliance
      \begin{itemize}
        \item Re-linked with crop insurance premiums
      \end{itemize}
  \end{itemize}
“It’s like a Swiss Army knife”

- President Obama 2/7/14
Academy Recommendations
Assure Sound Science for Future Evidenced-Based Decision Making\textsuperscript{22}

- 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)\textsuperscript{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."

- President Obama 2/7/14
Opportunities

• Eat Right Weekly for updates
• Share your stories
• Action alerts
Welcome to the

The Academy Member Center

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.
Welcome to the
The Academy Member Center

WELCOME TO THE GRASSROOTS MANAGER

Action Alerts  Find My Legislators  FAQ's

Academy of Nutrition and Dietetics Action Center

ACTIONS COMPLETED

[ALERT]  PLEASE SUPPORT HR 1074: 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

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References


References


References


References


References


20. USDA webpage. New Farmers. We’re here for you. 
