

Alabama Agriculture

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Alabama Agriculture

- Alabama Cooperative Extension System
- Overview of Agriculture in Alabama



County Agents

- Alabama Cooperative Extension System (ACES)
 - Alabama A&M University
 - Auburn University
- Land Grant System
 - Instruction
 - Research
 - Extension





Mission Statement-

The Alabama Cooperative Extension System, the primary outreach organization for the land-grant mission of Alabama A&M University and Auburn University, delivers research-based educational programs that enable people to improve their quality of life and economic well-being.





- Offices in all 67 Counties
- “County Agents”
 - Local Government Funding/Partnership





- County Coordinators
- Regional Extension Agents
 - Program focus
- State Specialists
 - Program specialty
- Program Priority Team (PPT)



extension **OPPT's** ALABAMA A&M & AUBURN UNIVERSITIES

- 4-H and Youth Development
- Agronomic Crops
- Aquatic Resources
- Commercial Horticulture
- Community and Workforce Development
- Family and Child Development
- Family Resource Management & Workforce Development



extension **DEPT's** ALABAMA A&M & AUBURN UNIVERSITIES

- Farm and Agribusiness Management
- Food Safety and Quality
- Forestry, Wildlife and Natural Resource Management
- Home Grounds, Gardens and Home Pests
- Human Nutrition, Diet and Health
- Poultry



extension **OPPT's** ALABAMA A&M & AUBURN UNIVERSITIES

- Great Resource
- Research-based Educational Programs
- www.aces.edu
 - New & Improved website January 2018



2016 Alabama Rank Cash Receipts

- # 2 Catfish
- # 3 Peanuts
- #4 Broilers
- # 6 Cotton
- # 7 Chicken Eggs
- # 8 Pecans
- # 16 Peaches
- # 22 Soybeans
- # 25 Wheat
- # 26 Corn
- # 33 Fruits & Nuts
- # 34 Honey
- # 34 Turkeys
- # 29 Cattle and Calves
- # 40 Vegetables & Melons
- # 45 Milk

Source: USDA ERS Commodity State Ranking



Alabama Agriculture

- Diverse
- Opportunities



Alabama Agriculture

Principal Operators - Primary Occupation	Number	Percent
Total Farmers	43,223	
Farming	19,114	44
Other	24,109	56
Principal Operators by sex		
Female	5,414	13
Male	37,809	87
Ave Age Principal	59.3	
Race - White		
		91
Census of Ag 2012		



Alabama Agriculture

- 4-H'er with 20 backyard chickens
- 600 ft long X 60 ft wide Mega Chicken House
 - About \$500,000 each
- Retiree with a 1.5 acre garden gives away extra vegetables
- Commercial greenhouse computer controlled environment shipping 18 wheeler loads bound for the East Coast



Alabama Agriculture

- Alabama 4-H
- Chick Chain
- Pig Squeal
- Possible producers
- Consumers



Alabama Crop Yields

	Corn	Soybeans	Cotton	Peanuts
2017*	<u>170</u> /174.9	44/49.5	976/889	<u>4,200</u> /4,257
2016	120	32	<u>988</u>	3,600
2015	147	41	866	3,250
2014	<u>159</u>	40	901	3,150
2013	147	43.5	789	3,550
2012	98	<u>45</u>	946	4,000

* USDA, NASS Estimates

Source: USDA, NASS, Crop Production Oct 12, 2017



Alabama Agriculture

- Big Business
 - Economy
 - Individual
- Big Risks
 - Uncontrollable
- Large Investment



Alabama Agriculture

- Per Acre Costs

– Butterbeans	\$1,000
– Okra	\$7,050
– Pumpkin	\$5,875
– Squash	\$6,250
– Sweet Corn	\$2,105
– Sweet Potatoes	\$3,575
– Tomatoes	\$12,800
– Watermelons	\$3,500



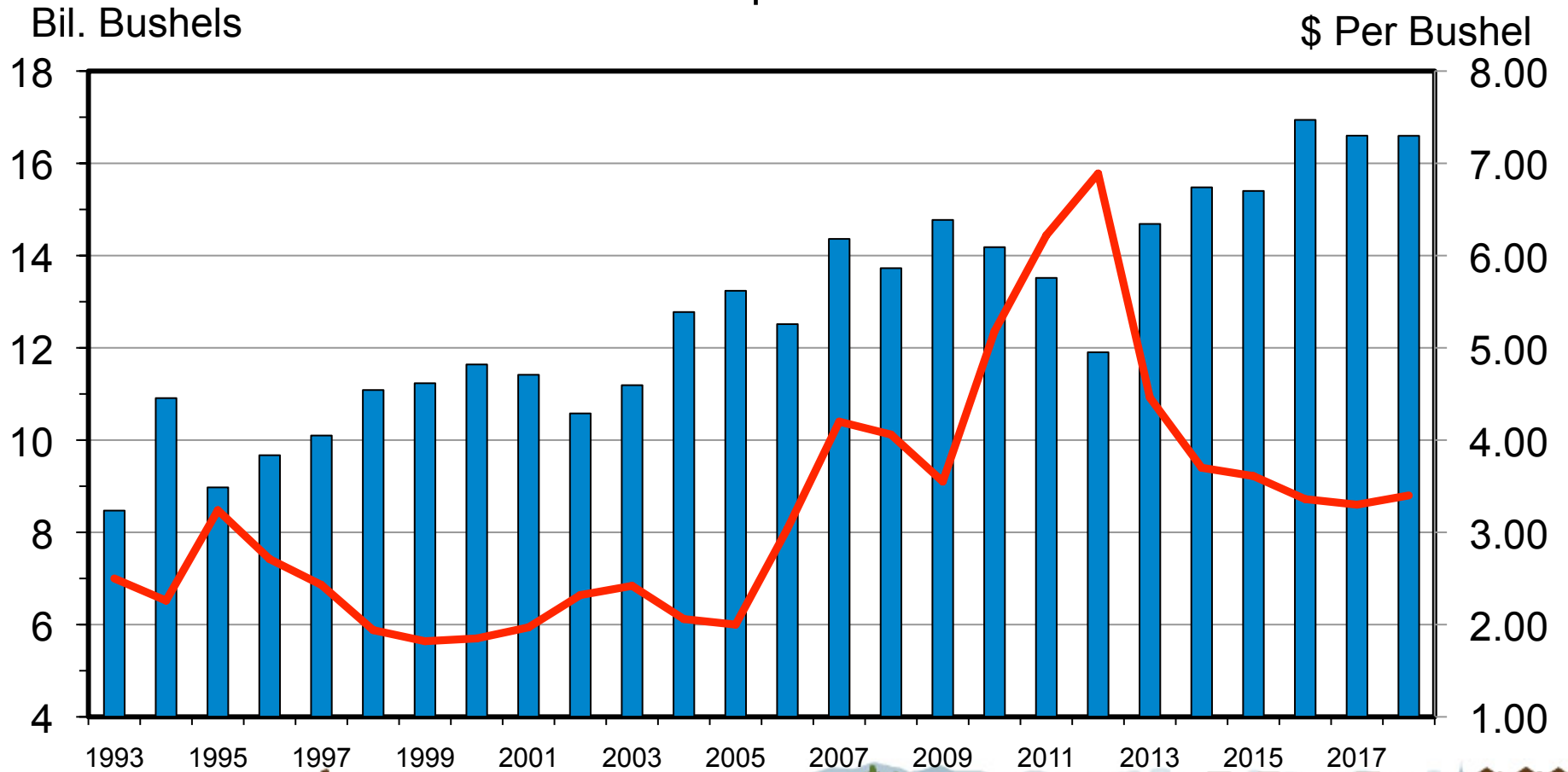
Alabama Agriculture

- Per Acre (Irrigated)
 - Corn \$975
 - Cotton \$800
 - Peanuts \$965
 - Soybeans \$576



US TOTAL CORN SUPPLY AND PRICE

Crop Year

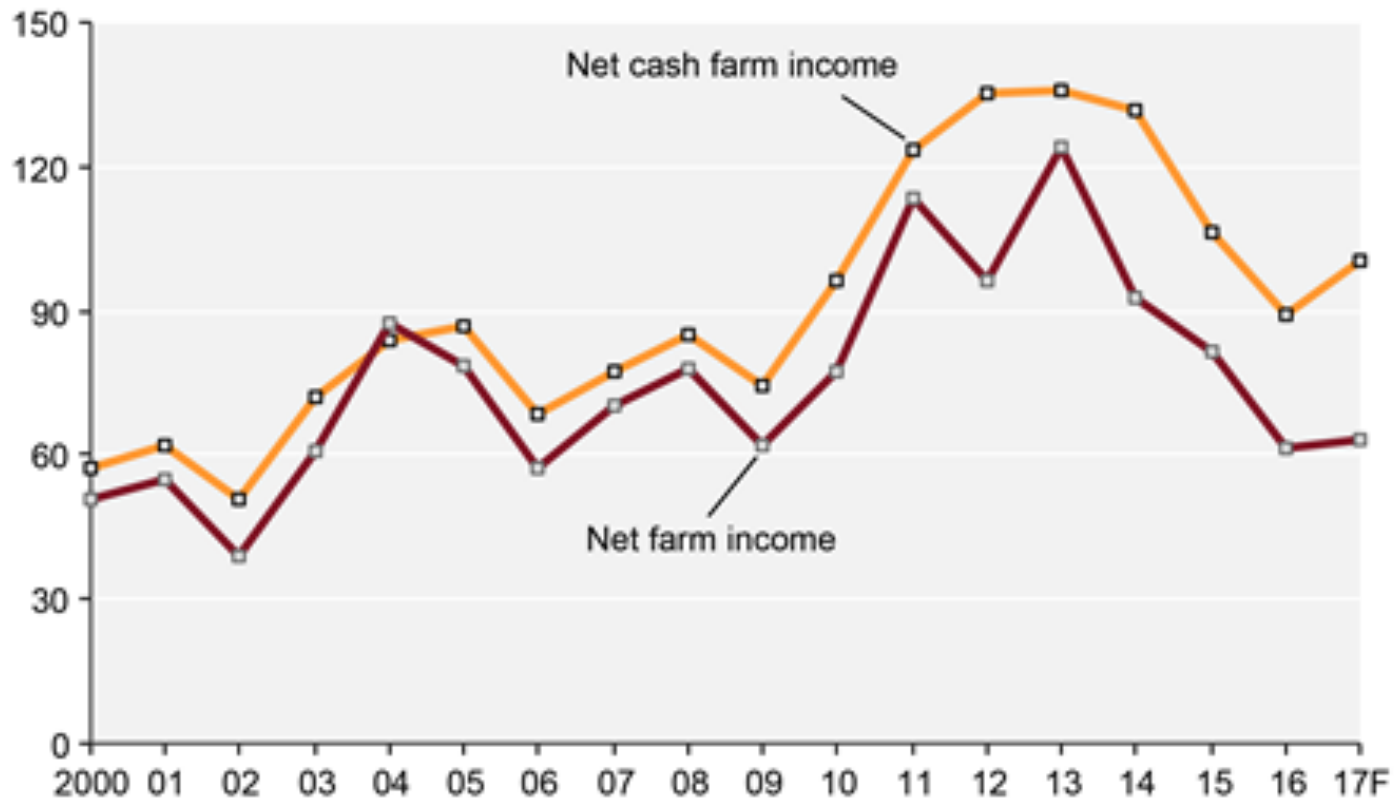


Supply Price



Net farm income and net cash farm income, 2000-2017F

\$ billion, nominal



Note: F = forecast.

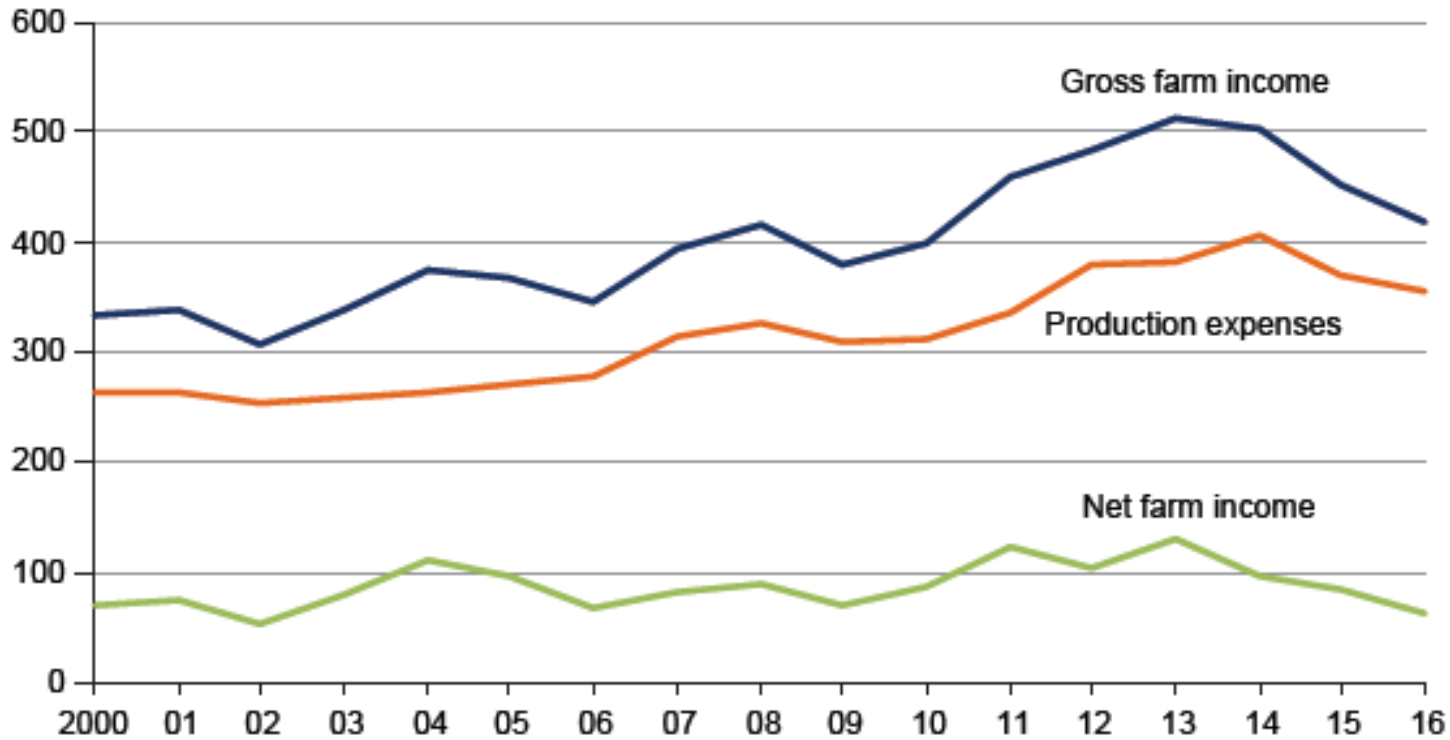
Source: USDA, Economic Research Service, Farm Income and Wealth Statistics.

Data as of August 30, 2017.



Gross farm income, production expenses, and net farm income, inflation adjusted, 2000-16

\$ billion (constant 2017)



Note: Values are adjusted for inflation using the chain-type Gross Domestic Product (GDP) deflator, 2017 = 100.
Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of August 30, 2017.



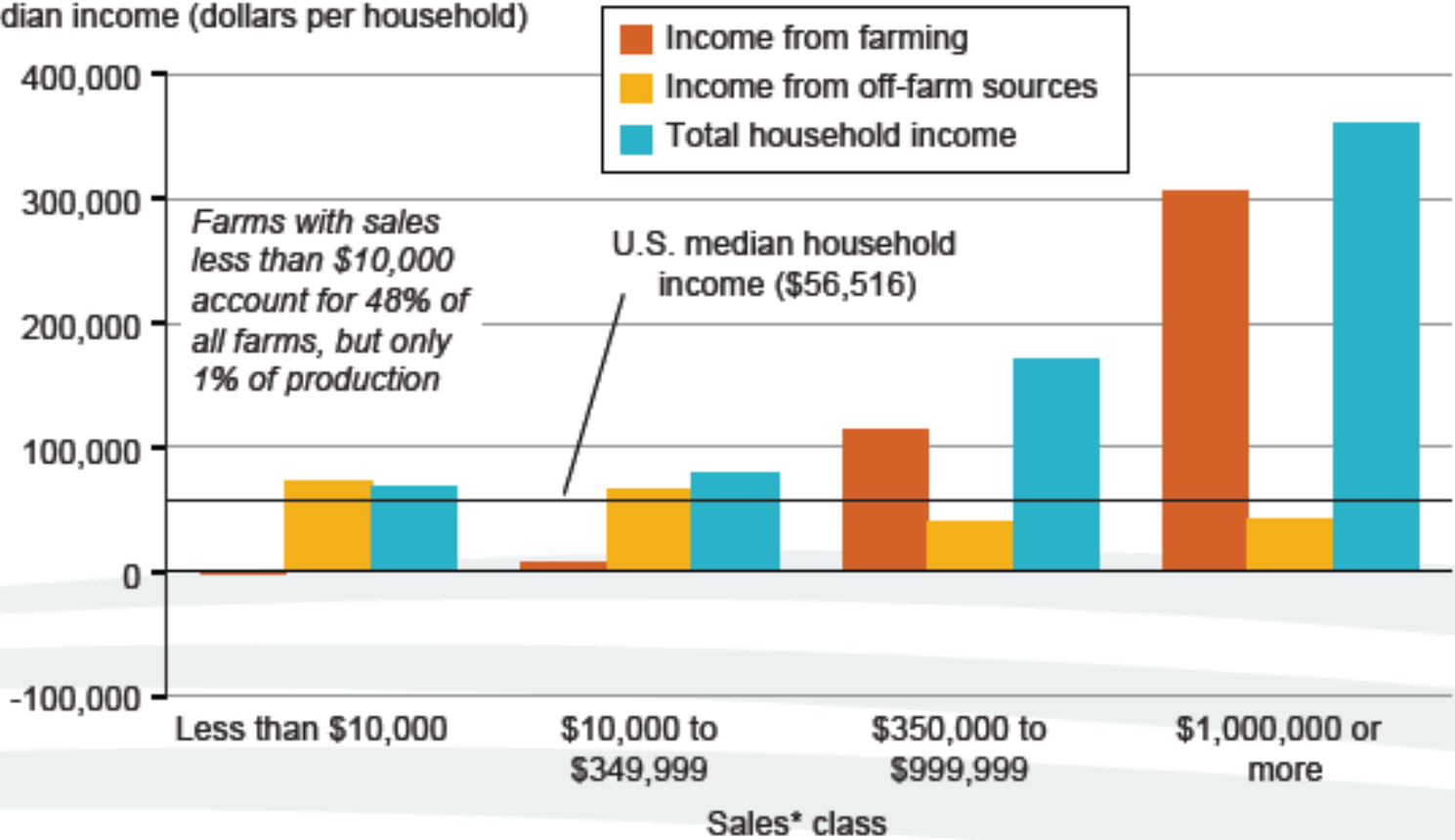
Alabama Agriculture

- Profitability is not bad!
- Farmers must be able a living



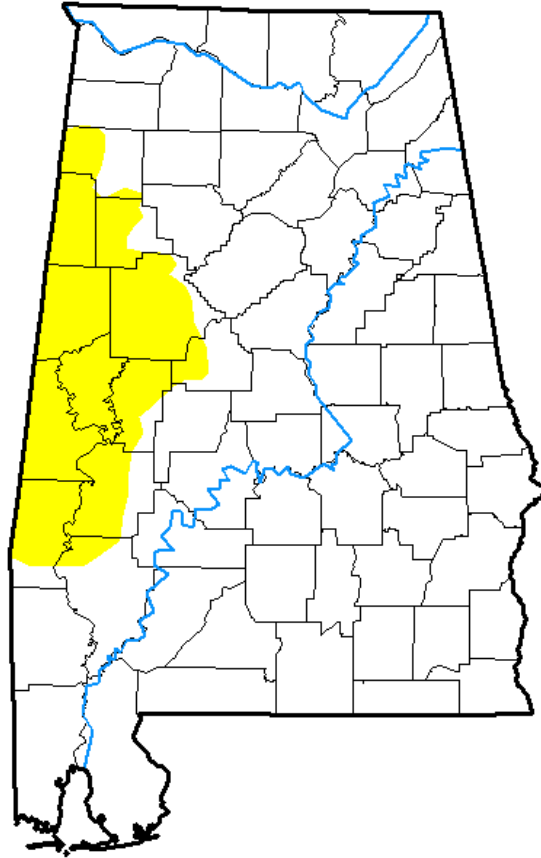
Median household income of farm operators by source and sales class, 2015

Median income (dollars per household)








U.S. Drought Monitor
Alabama

October 17, 2017
(Released Thursday, Oct. 19, 2017)
Valid 8 a.m. EDT



Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Jessica Blunden
NCEI/NOAA

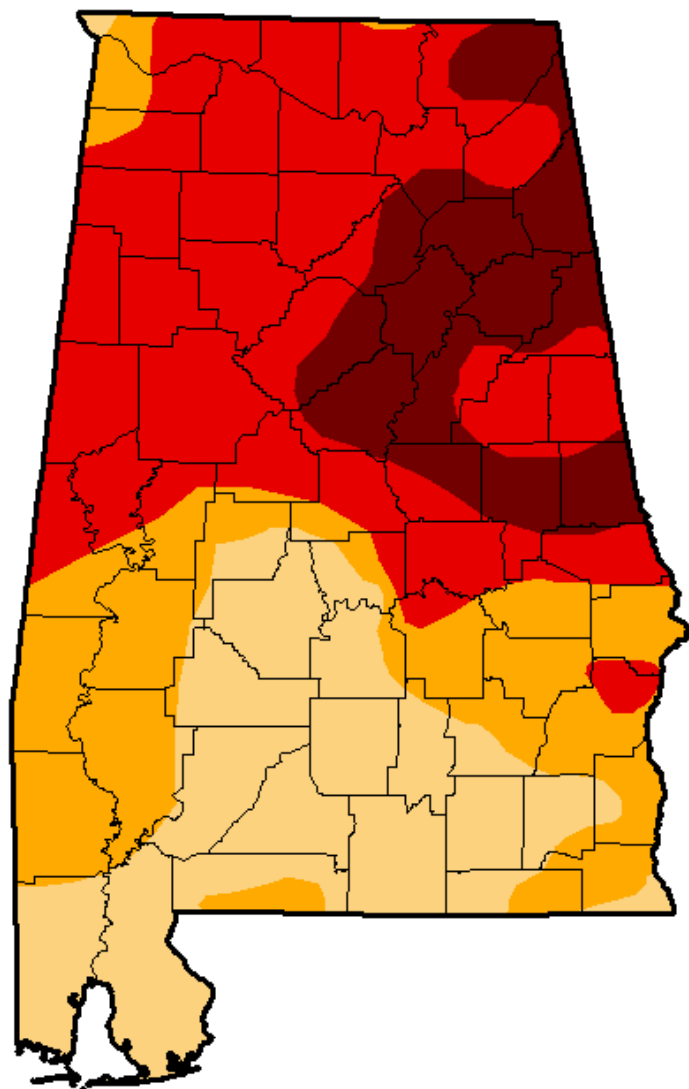


<http://droughtmonitor.unl.edu/>



U.S. Drought Monitor Alabama

November 1, 2016
(Released Thursday, Nov. 3, 2016)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	74.76	51.91	14.84
Last Week <i>10/25/2016</i>	0.00	100.00	100.00	73.14	33.03	9.94
3 Months Ago <i>8/2/2016</i>	32.44	67.56	40.76	18.33	2.90	0.00
Start of Calendar Year <i>12/29/2015</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>9/27/2016</i>	17.15	82.85	47.12	17.94	6.36	0.00
One Year Ago <i>11/3/2015</i>	63.77	36.23	0.00	0.00	0.00	0.00

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Author:
Deborah Bathke
National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>



Weather Local and National

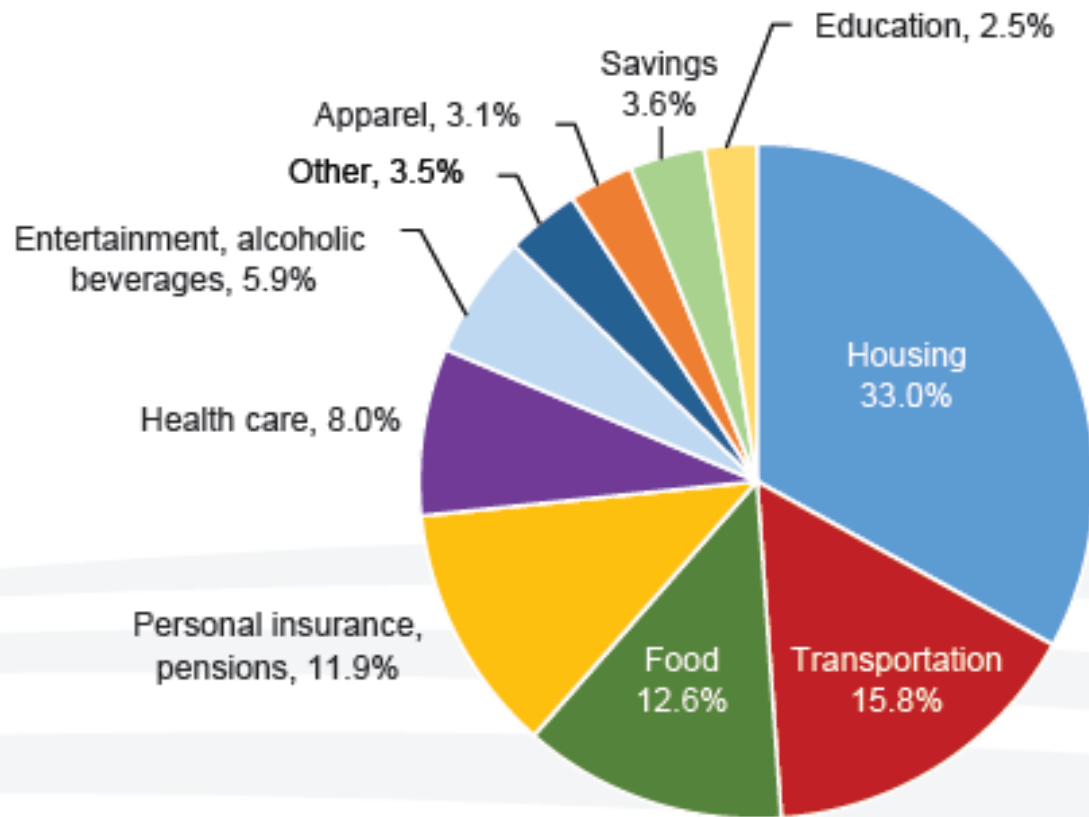
Corn & Soybeans – Midwest matters

Cotton & Peanuts – Alabama matters

Vegetables, Greenhouse, Shrubs –
Localized



Share of U.S. household consumer expenditures by major categories, 2016



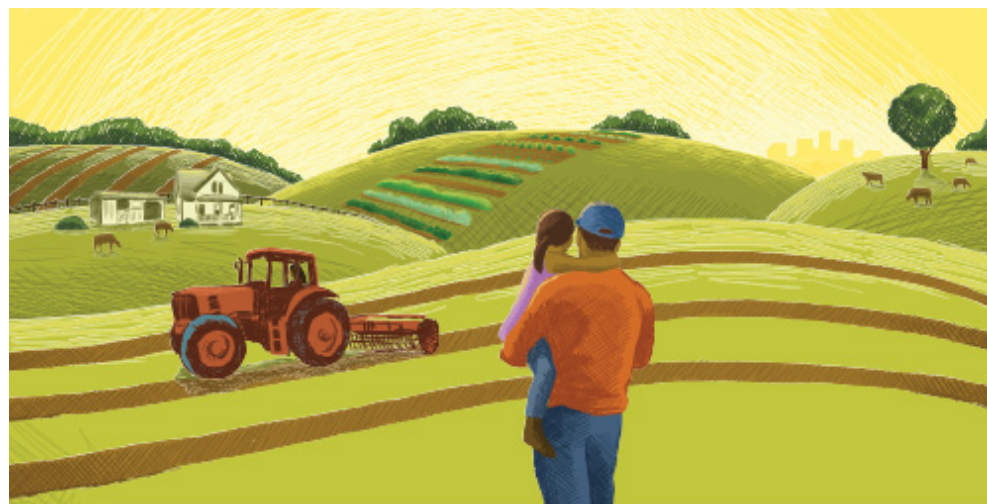
Note: "Other" includes personal care products, tobacco, and miscellaneous expenditures.
Source: USDA, Economic Research Service using data from U.S. Bureau of Labor Statistics, Consumer Expenditure Survey, 2016.



Rural Concerns

- Rural Healthcare
- Trade Deals – NAFTA, TPP, etc
- Labor
- Broadband
- General Economy
 - Rural areas slower to recover





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COMING THIS DECEMBER
www.agcensus.usda.gov



Alabama Agriculture

- Very Diverse
- Profitability is a concern
- Natural Resources
 - Water
 - Climate



Alabama Agriculture

- More Locally grown/consumed products desired
- Alabama Agriculture and Food Deserts



Food Deserts in Alabama: How can Alabama agriculture help?

Brittney Goodrich

Assistant Professor and Extension Specialist

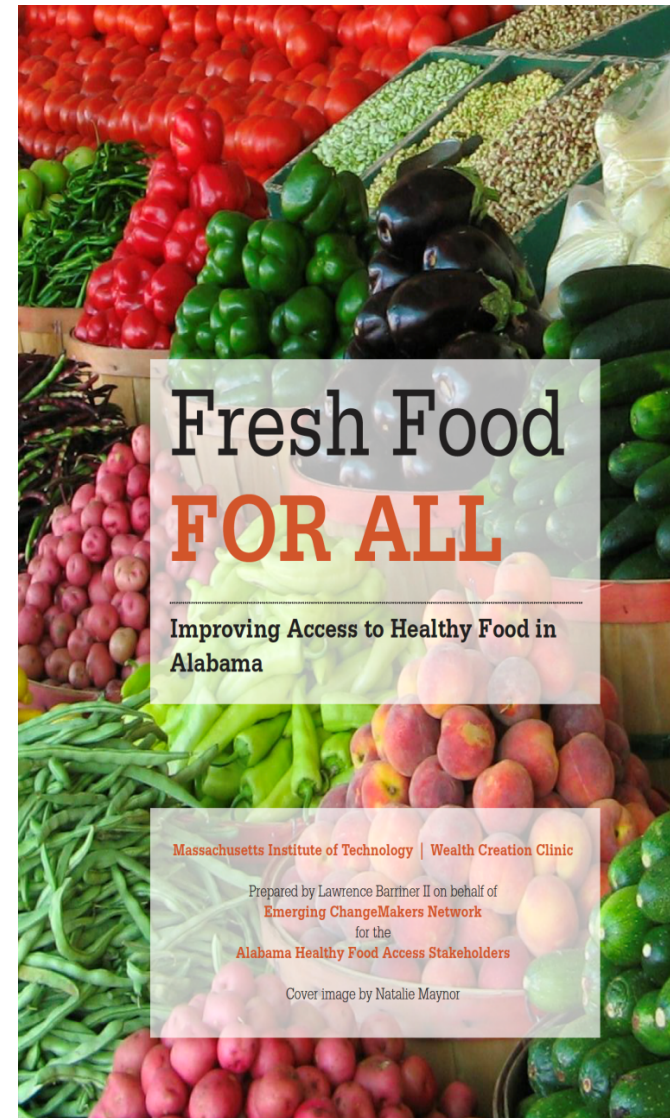
Dept of Agricultural Economics and Rural
Sociology

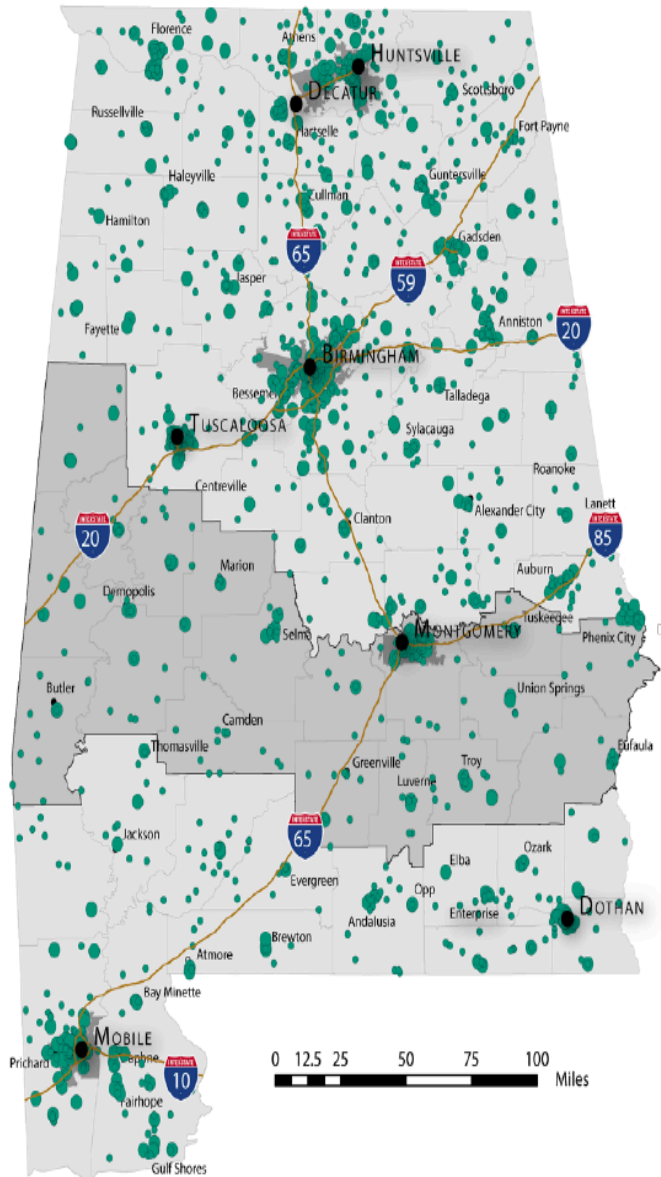
Auburn University



Food Deserts

- Definition from Barriner, L. et al. (2014):
 - Part of a **low-income** community where access to fresh, affordable, healthy food is limited
- Potential effects:
 - High rates of diet related diseases (Diabetes, obesity, heart disease)
 - Low quality of life
 - High medical costs





MAP 1

Supermarket & Grocery Store Locations

Sales volume of store annually (in \$1,000s)

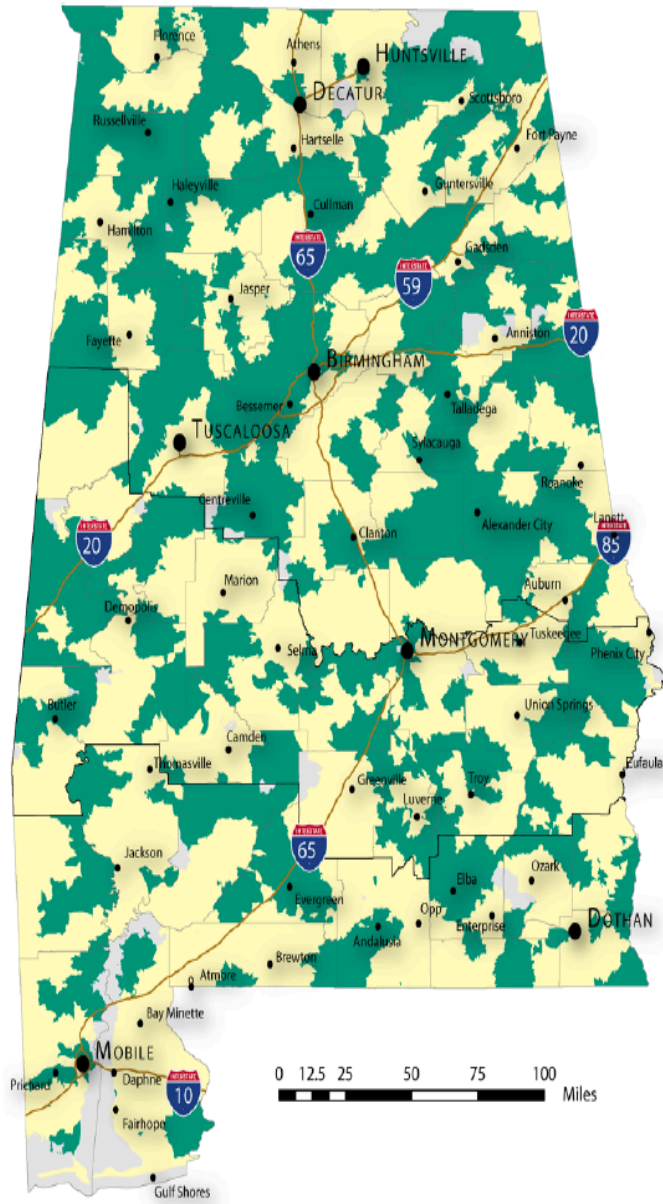
- \$5,622 or below
- \$5,623 - \$174,000

Other Symbols

- Major City
- Interstate Highway
- ▭ Alabama state boundary
- ▭ Alabama Blackbelt Counties
- ▭ Alabama Counties

Data

Infogroup Business Listings accessed via ESRI Business Analyst, 2012
 US Census, 2010



MAP 7

Diet-related Mortality by Zip Code

Compared to state average ratio of diet-related deaths

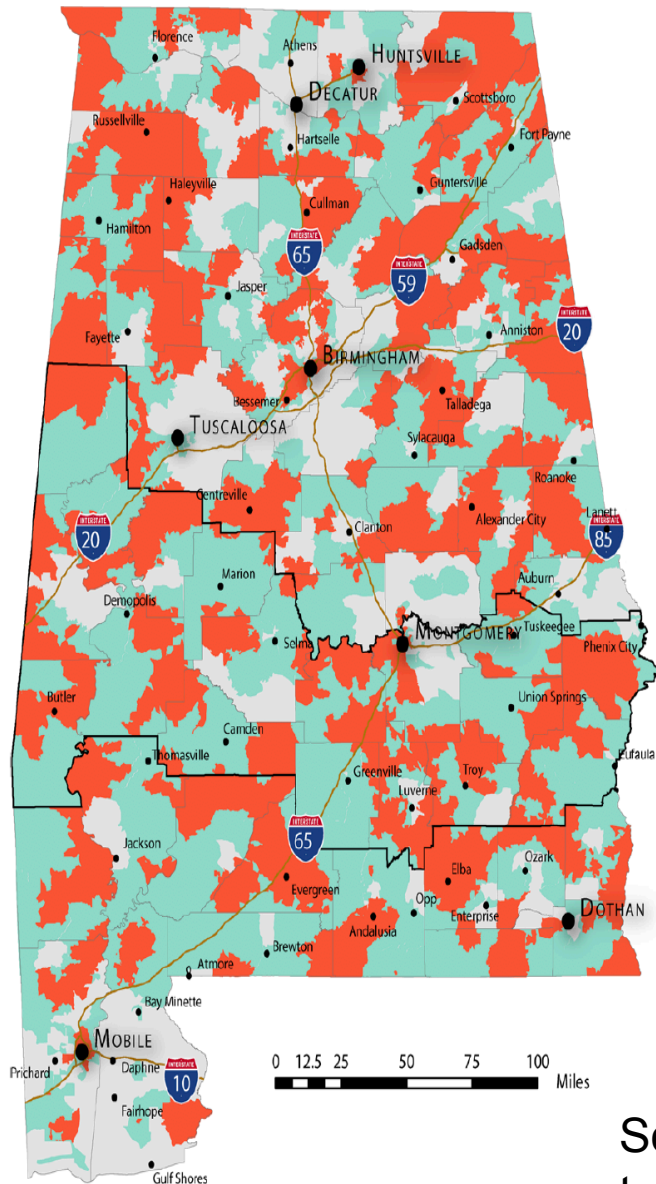
- Above average mortality
- Below average mortality
- Incomplete Data

Other Symbols

- Major City
- Interstate Highway
- Alabama Blackbelt Counties
- Alabama Counties

Data

Alabama Center for Health Statistics, 2007
US Census, 2010



MAP 8

Areas at Risk of Food Imbalance

Income, Sales, and Mortality

- High Mortality, Low Income, and Low Sales
- Low Income, Low Sales
- Other

Other Symbols

- Major City
- Interstate Highway
- Alabama Blackbelt Counties
- Alabama Counties

Data

Infogroup Business Listings accessed via ESRI Business Analyst, 2012
 Alabama Center for Health Statistics, 2007
 US Census, 2010

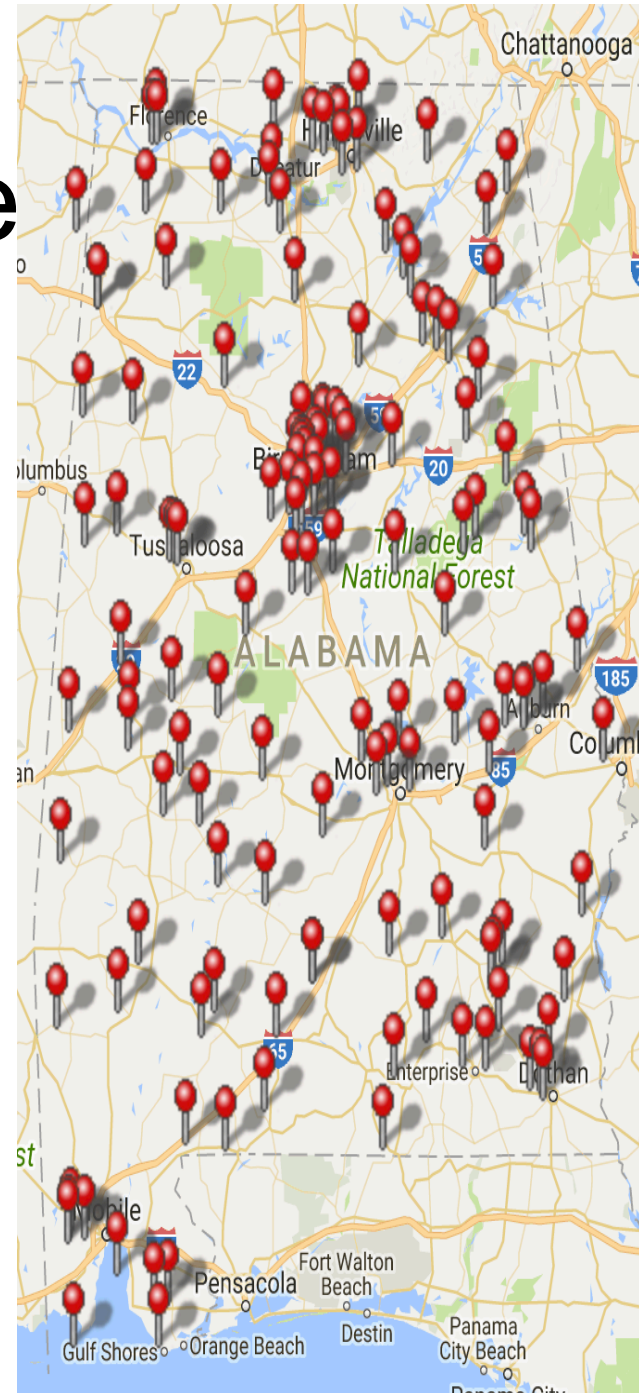
Source: Healthy Food For All: Improving Access to Fresh Food in Alabama, MIT, Emerging ChangeMakers Network, Alabama Healthy Food Access Stakeholders, 2014

Solutions to Alabama's Food Deserts:

- More supermarkets?
 - Solution for urban, but unlikely in rural areas
 - Limited demand and logistics difficulties make additional supermarkets economically infeasible
- Alternative: Local foods?
 - Not just for Millennials
 - Utilizing local foods can:
 - Increase AL farm incomes
 - Increase health and well-being of rural residents
 - Decrease healthcare costs
 - Support AL infrastructure and economic development

Direct-to-Consume

- 1999:
 - 17 Farmers Markets
 - 234 Vendors
- Today:
 - 168 Farmers Markets
 - 980 Vendors



Farmers Markets and Food Insecurity

- How can farmers markets address food insecurity?
 - Give farmers market vendors the tools to accept Supplemental Nutrition Assistance Program (SNAP) and Women, Infants, and Children (WIC) programs



FARMERS MARKETING WORKSHOP

Get ready for the 2018 growing season.

★ Learn to market your farm with tips from Alabama Extension, the Farmers Market Authority, and USDA SNAP. ★

TOPICS

MARKET DISPLAYS • BUSINESS MARKETING • SOCIAL MEDIA • FOOD SAFETY • FARMERS MARKETS

10 a.m. to 2:30 p.m. with lunch included • To register, call or email the location where you would like to attend.

All participants signed up through a local Extension office will receive a promotional item to take to market.

★ File to accept SNAP vouchers for 2018 by bringing your Social Security card and another form of identification. ★

Alabama Extension Office Locations & Dates

OCTOBER 3 Barbour County (334) 687-5688 mbr0013@aces.edu	OCTOBER 13 Montgomery County (334) 270-4133 tysonlk@aces.edu	OCTOBER 26 Wilcox County (334) 682-4289 alc0074@aces.edu
OCTOBER 11 Macon County (334) 727-0340 dzh0046@aces.edu	OCTOBER 24 Dallas County (334) 875-3200 nelsoc3@aces.edu	NOVEMBER 2 Hale County (334) 624-8710 srb0043@aces.edu

Food Hubs

- USDA Definition: A centrally located facility with a business management structure facilitating the aggregation, storage, processing, distribution, and/or marketing of locally/regionally produced food products
- Benefits:
 - Provide wider access to markets for small and mid-sized producers
 - Increase access to healthy foods in rural areas
 - Capture local food dollars
- Potential for expansion in AL
 - If AL residents purchased 15% of their food for home use directly from AL farmers
 - \$980 million of additional annual income for AL Farmers (Meter, 2011)

Farm Food Collaborative

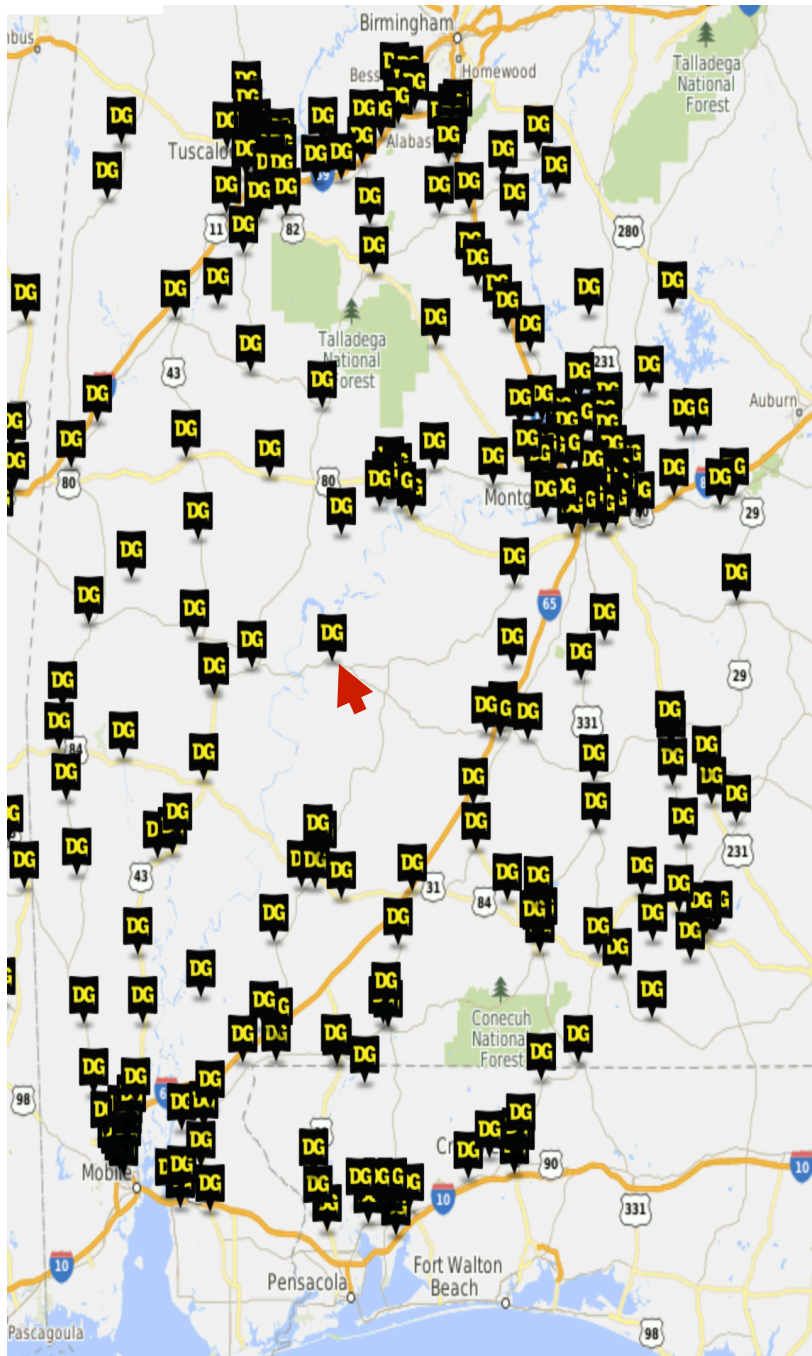
- 2012: First (and only) food hub in AL
- Huntsville, AL
- Food Bank of North Alabama
- Connects local farmers with buyers
 - School districts, distributors, grocery stores, restaurants
- Since 2012:
 - Number of farms with food safety certification increased from 2 to 29
 - Facilitated \$600,000 in commercial sales
 - Helped AL Dept of Ed purchase \$1.6 million of fruits and vegetables for AL school lunches



Improve Food Quality in Smaller Stores

- Dollar General remodeling stores with more fresh produce
 - Average number cooler doors
 - 2012: 10
 - 2017 (Expected): 17
- Potentially significant for AL rural communities
 - Especially if local





- 255 Dollar General stores within 100 miles of Camden, AL

Grocery Delivery



- Wright's Market
 - Opelika, AL
 - Delivers to rural communities in East AL
 - As far as Phenix City to Shorter (~30 mile radius)
 - Working to improve efficiency of logistics
 - Approximately 40% of sales at Wright's Market are to SNAP customers
 - Participating in USDA Pilot program allowing SNAP participants to use online-purchasing and delivery
 - Other Participants: Amazon, Wal-Mart
 - Additional goal: Incorporate healthcare into grocery delivery
 - RNs at delivery locations to perform health screenings

Traveling Grocery Stores



- Corner Market
 - Community Food Bank of Central Alabama
 - Locations:
 - Nauvoo
 - Sipsey
 - Pratt City/Birmingham



Mobile Grocery Store

Every month—2nd & 4th Wednesdays

9 am—10:30 am : Corner of Nauvoo Rd. and 3rd St., Nauvoo, AL

11:30 am—1 pm : Sipsey Community Center, 3737 Sipsey Rd., Sipsey, AL

2:00 pm—3:30 pm Parking lot next to New Haven Apartments,
13th Avenue West, Birmingham, AL 35214

Come One, Come All!

- Low-cost fresh fruits, vegetables, meat, eggs, milk, cheese, and more!
- We accept SNAP/EBT, cash, credit & debit cards!

Ongoing Challenges for Alabama

- How to get healthy food into low-income, rural communities in an economically-feasible way?
 - Balancing act:
 - Must be profitable for farmers, grocery deliverers, and food hubs
 - Logistics important
 - There must be a demand from residents
 - Not too expensive
 - Accept SNAP and WIC participants

Resources:

- Developing food hubs in the South:
 - <http://www.ssawg.org/foodhubs/>
- Alabama Farmer's Market Authority
 - <http://www.fma.alabama.gov/>
- USDA Local Foods
 - <https://www.ams.usda.gov/services/local-regional/food-directories>
- Assisting Alabama farmers with regulations of direct-to-consumer marketing:
 - http://nationalaglawcenter.org/wp-content/uploads/assets/articles/rumley_alabamadirectfarm.pdf
- Contact: Brittney Goodrich bkg0007@auburn.edu



Thank You!
Questions ?

