



United States Department of Agriculture
Economic Research Service & National Agricultural Statistics Service

Agricultural Resource Management Survey (ARMS)



Uses of ARMS III Data

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How ERS Uses and Disseminates ARMS Data

- ERS reports on policy-relevant topics
 - And related Amber Waves magazine articles
 - And related daily ERS Charts of Note
- Data releases on our website
- Data releases to universities (primarily extension)
- Staff analyses for policymakers (not public)

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Who Uses this Information?

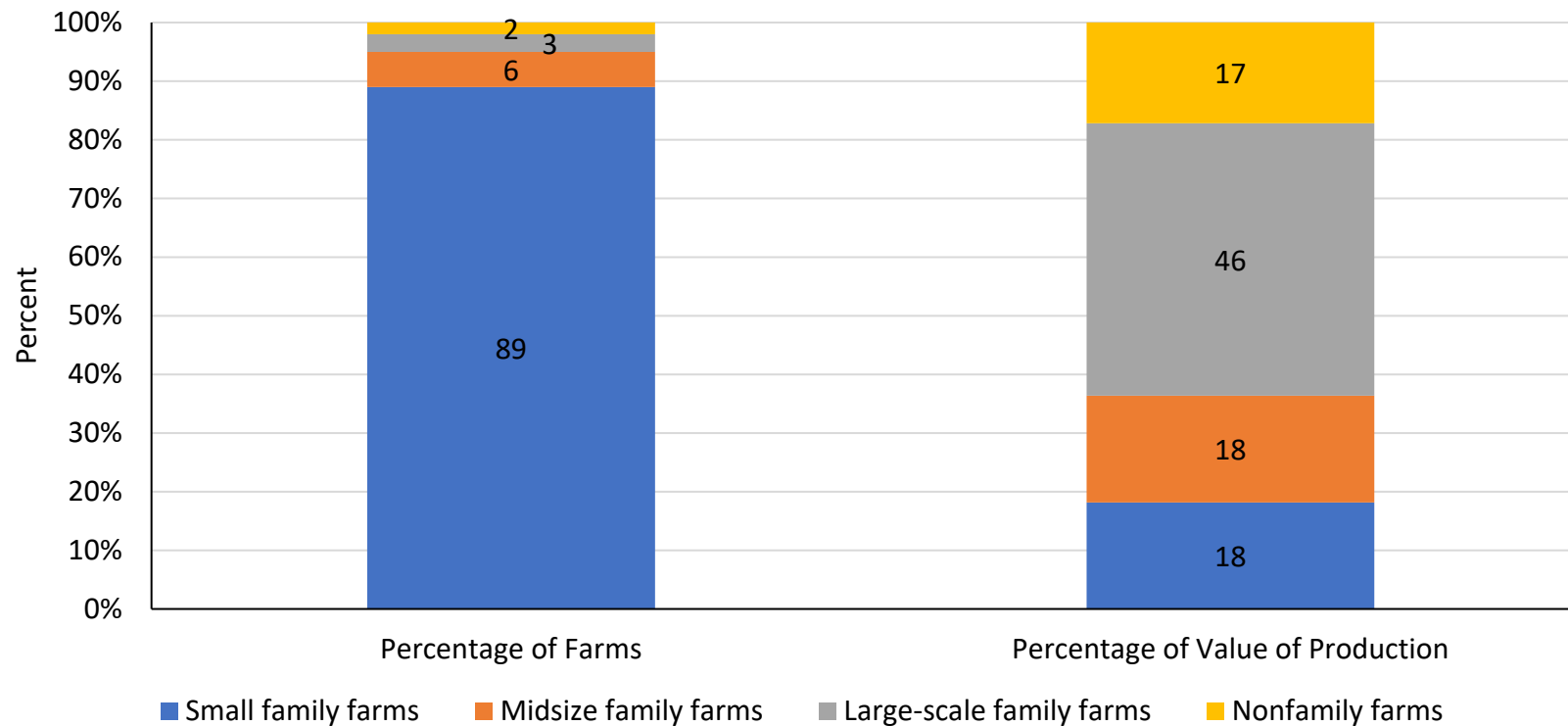
- Policymakers:
 - USDA leaders and program managers; Congressional leaders and staff
 - Farm income estimates enter into GDP
- Policy stakeholders
 - Commodity groups and other farm organizations
- Farmers and their advisors
- Input providers
- National and agricultural media

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Here's an Example: Small, Midsize, and Large Family Farms

Here, the share of US farms, and farm production, falling into each of four categories



America's Farms and Ranches at a Glance:

Family farms are 98% of US farms and 83% of farm production.

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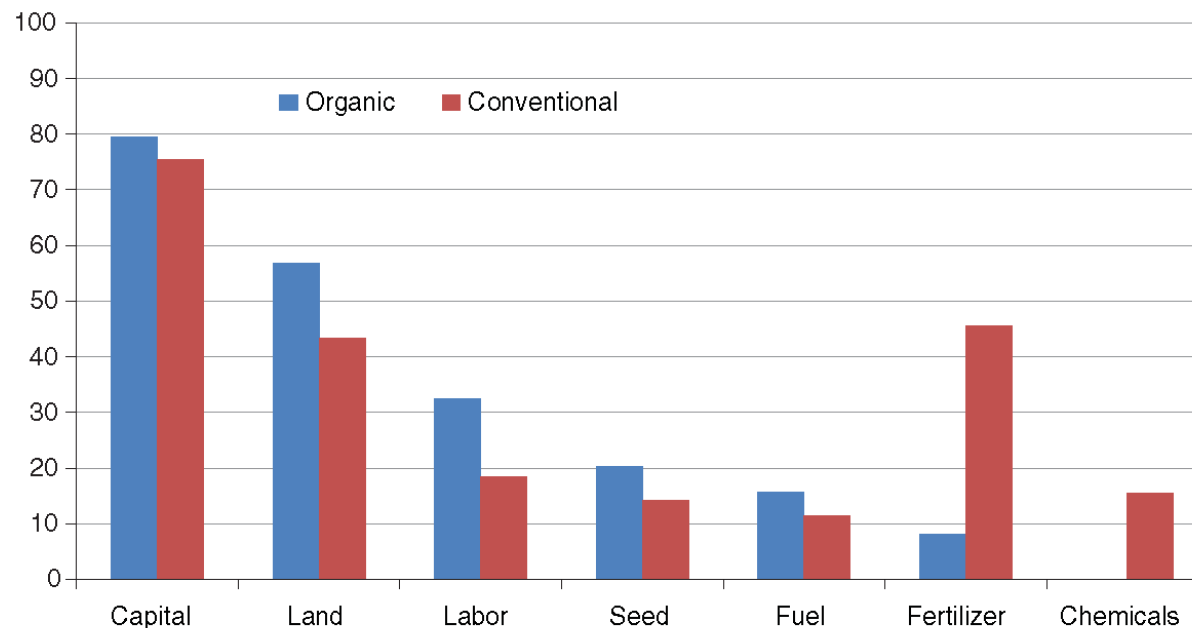


Organic Agriculture

Figure 9

Costs per acre of organic and conventional wheat production by input, 2009

Dollars per acre



Note: Organic input costs are ordered from highest to lowest. Labor includes hired labor and unpaid labor costs.

Source: USDA, Economic Research Service and USDA, National Agricultural Statistics Service, 2009 Agricultural Resource Management Survey.

Here, organic agriculture:

- We can track across various crops/years
- In 2009, the wheat sample consisted of 3,699 farms; roughly 483 samples targeted organic operations.

These estimates can impact policy, as well as extension and consultant Advice.

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Recent ARMS Uses by Various Groups (Partial List)

Organization	Data Use	Year(s)
Ag Fax Newsletter	Distribution of farms by farm type, value of production, operating margins	2020
Agricultural Economic Insights	Net farm income, total farm debt, government payments, property tax expenses, income from farm sources and off-farm sources	2019-2021F
American Farm Bureau Federation	Returns to operator and production expenses, total farm assets, land/machinery/other share of assets, net farm income, net cash income, cash receipts for livestock and crops, off-farm income	1996-2021F
American Farmland Trust	Participation in federal crop insurance and compliance	2009
American Soybean Association	Net farm income, net cash income, debt-to-asset ratios	2013-2019
FAPRI – University of Missouri	Net farm income, fuel and fertilizer expenses	2012-2020
Farm Doc Daily – University of Illinois	Farm operator debt	2003-2016
Iowa Farm Bureau	Net farm income, net cash receipts	2017
Iowa State University – working paper	Hog production costs	2004
Kansas City Federal Reserve Bank	Net farm income of livestock operations and crop operations	2010-2021F
Kansas State University Extension	Dairy production costs	2010
Louisiana State University – Ag Center	Return on equity, return on assets	1991-2010
National Milk Producers Federation	Farm financial well-being	2016
Oklahoma State University Extension	Royalty payments by operator's age, income, experience, and farm size (GCFI)	2013
Portland Cement Association	Net farm income and farm debt for the central US	2000-2019
Purdue University – Research Issue	Balance sheet information	1986-2020
South Dakota State University Extension	Effective property tax rate (ratio of property taxes paid to reported market value of land and buildings)	2003-2012
Tennessee State University – working paper	Net farm income and assets of small farms	2010
The Ohio State University	Solvency, liquidity, assets, debts, equity, expenses	2004-2019
University of California-Davis – Rural Migration News	Milk costs and returns, labor costs	2016
University of Georgia Extension	Net farm income, separately for Georgia and total US, by production specialty	1996-2015
University of Wisconsin-Madison Extension	Share of farm household income from off-farm sources by farm size and operator age	2016-2020
Washington State University research	Off-farm income	2010

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That Value Comes from a Large Team

- ERS
 - Objective analyses & economic expertise
- NASS
 - Survey design, management, & production expertise
- NASDA enumerators
 - Producer cooperation & guidance, ground-truthing
- Producers
 - Time, knowledge, thoughtfulness