

National Farmers Market Managers

ISSN: 2691-3267

Released August 17, 2020, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Farmer Market Managers Highlights

In 2019, Farmers Market Managers operated 8,140 farmers markets.

The largest number of markets operated during June through September. The month of July was the highest month of operation, followed closely by August, with 71.9 percent and 71.8 percent, respectively. Twenty-one percent of the markets operated year round.

At 52.4 percent, Saturday was the most common day of operation.

Fruits and vegetables composed the most common food category sold at 99.6 percent of markets, followed by Condiments and sauce at 94.1 percent.

The percent of markets that had locally grown labeling totaled nearly 84.7 percent. Gluten free and Grass-fed had 46.1 percent and 46.0 percent, respectively.

Of the 4,076 markets that accepted Federal Nutrition Programs, 78.7 percent accepted Supplemental Nutrition Assistance Program (SNAP).

Of the 4,352 vendors/producers who accepted Federal Nutrition Programs, 66.7 percent accepted Women, Infants and Children's (WIC) Farmers Market Nutrition Program (FMNP), followed closely by Senior Farmers Market Nutrition Program (SFMNP) at 66.3 percent.

On an average market day, 916 households shopped across markets in the U.S. and spent \$14,547 per farmers market.

Farmers Market Managers served as paid employees in 4,321 markets, while in 3,162 they served as volunteers. On average, the paid Farmers Market Mangers earned \$18.40 per hour. Managers worked an average of 19.4 hours per week.

There were 31,609 volunteers contributing their time across 5,078 markets.

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Farmers Markets - United States: 2019

	Number
Farmers markets	8,140

Months in Operation - United States: 2019

Months	Farmers markets
	(percent)
January	2.5
February	3.2
March	4.6
April	12.6
May	43.9
June	68.8
July	71.9
August	71.8
September	69.1
October	51.1
November	13.8
December	6.6
Year round	21.0

Months in Operation by Classification: 2019

Mandh	Urban ¹	Suburban ¹	Rural ¹	
Month	Farmers markets			
	(percent)	(percent)	(percent)	
January	3.1	1.9	0.3	
February	3.8	2.5	0.9	
March	5.3	3.6	2.2	
April	13.2	13.4	8.0	
May	42.2	50.3	43.9	
June	64.5	78.2	78.1	
July	66.8	81.3	86.5	
August	66.6	80.6	87.2	
September	65.2	74.8	82.3	
October	50.3	53.2	52.5	
November	15.4	12.1	7.9	
December	7.3	4.9	5.0	
Year round	25.9	11.9	7.8	

¹ See appendix for more information on Urban, Suburban, and Rural classifications.

Months in Operation - Census Region: 2019

B. d. a. a. d. la	Northeast ¹	Midwest ¹	South ¹	West ¹	
Month	Farmers markets				
	(Percent)	(Percent)	(Percent)	(Percent)	
January	2.2	1.3	3.7	2.9	
February	2.7	1.9	4.5	3.6	
March	2.4	2.3	7.9	4.8	
April	4.6	6.1	26.3	9.1	
May	35.7	47.6	56.1	29.2	
June	71.5	82.4	65.9	51.8	
July	77.7	88.2	64.2	55.6	
August	77.2	88.5	62.9	56.6	
September	76.4	85.6	58.5	55.1	
October	63.2	60.3	46.6	33.1	
November	21.5	5.9	18.8	9.4	
December	6.5	3.6	10.6	4.8	
Year Round	16.7	7.3	25.6	37.2	

¹ See appendix for more information on Census Regions.

Months in Operation - Census Division and United States: 2019

Month	New England ¹	Mid-Atlantic ¹	North South Central ¹	East South Central ¹	Mountain ¹	
Month	Farmers markets					
	(percent)	(percent)	(percent)	(percent)	(percent)	
January	4.8	0.5	1.2	1.5	6.9	
February	5.7	0.7	1.7	2.2	6.9	
March	5.0	0.7	2.2	2.4	7.5	
April	4.6	4.6	5.1	7.4	10.2	
May	33.1	37.5	47.9	47.2	22.9	
June	74.5	69.4	84.1	80.0	64.4	
July	83.1	73.9	88.4	87.9	76.6	
August	82.1	73.9	88.2	88.9	80.4	
September	79.3	74.5	85.3	86.1	77.4	
October	65.7	61.4	60.0	60.6	43.7	
November	12.3	27.8	7.3	4.1	12.5	
December	6.9	6.1	3.7	3.4	6.8	
Year round	10.0	21.2	7.8	6.6	10.8	
	Pacific ¹	West South Central ¹	East South Central ¹	South Atlantic ¹	United States	
Month			Farmers markets			
	(percent)	(percent)	(percent)	(percent)	(percent)	
January	0.8	2.6	0.8	5.4	2.5	
February	1.9	5.0	1.1	6.0	3.2	
March	3.3	8.8	3.7	9.6	4.6	
April	8.6	28.1	21.7	28.0	12.6	
May	32.4	59.0	58.1	54.1	43.9	
June	45.3	61.6	79.6	60.8	68.8	
July	44.7	60.3	78.5	58.8	71.9	
August	44.3	57.9	75.2	58.9	71.8	
September	43.5	53.0	63.0	58.2	69.1	
October	27.7	40.7	45.6	49.1	51.1	
November	7.9	14.9	12.0	23.4	13.8	
December	3.7	8.6	4.9	14.0	6.6	
Year round	50.9	33.3	14.3	28.3	21.0	

^{0 1} See appendix for more information on Census Divisions.

Days in Operation - United States: 2019

Days	Farmers markets
	(percent)
Monday Tuesday Wednesday Thursday Friday Saturday Sunday	5.4 16.2 19.1 19.8 14.0 52.4 10.6

Days in Operation by Classification: 2019

Days	Urban	Suburban	Rural		
Days	Farmers markets				
	(percent)	(percent) (percent) (percent)			
Monday	4.8	7.4	5.8		
Tuesday	14.9	19.3	18.9		
Wednesday	18.5	19.3	22.3		
Thursday	18.2	23.2	23.5		
Friday	12.6	16.7	17.7		
Saturday	49.5	59.9	57.4		
Sunday	13.0	6.0	4.4		

Days in Operation - Census Region: 2019

Davis	Northeast	Midwest	South	West
Days 		Farmers	markets	
	(percent)	(percent)	(percent)	(percent)
Monday	3.3	4.3	9.9	2.5
Tuesday	14.5	14.9	23.8	8.3
Wednesday	16.6	19.7	23.2	14.8
Thursday	15.0	21.7	23.6	16.4
Friday	15.9	11.4	16.4	12.2
Saturday	41.8	51.7	66.9	42.5
Sunday	13.8	6.6	8.3	16.2

Days of Operation – Census Division and United States: 2019

Dava	New England	Mid-Atlantic	East North Central	West North Central	Mountain
Days		Farmers markets			
	(percent)	(percent)	(percent)	(percent)	(percent)
Monday	5.1	2.2	3.7	5.0	4.6
Tuesday	9.0	18.1	13.6	16.8	10.2
Wednesday	18.9	15.1	18.6	21.2	17.5
Thursday	10.5	17.9	18.1	26.7	17.6
Friday	17.9	14.6	12.1	10.5	14.2
Saturday	42.5	41.4	53.7	49.0	50.7
Sunday	13.7	13.8	8.2	4.5	9.1
Davis	Pacific	West South Central	East South Central	South Atlantic	United States
Days			Farmers markets		
	(percent)	(percent)	(percent)	(percent)	(percent)
Monday	1.4	7.7	14.2	8.6	5.4
Tuesday	7.4	24.2	35.8	18.1	16.2
Wednesday	13.4	20.7	26.2	22.6	19.1
Thursday	15.8	18.7	32.7	21.0	19.8
Friday	11.1	11.1	24.1	14.7	14.0
Saturday	38.1	81.9	65.1	62.4	52.4
Sunday	20.0	8.2	7.0	8.9	10.6

Operating Hours per Week – Classification and United States: 2019

Classification	Hours operated
	(hours per week)
Urban	6.8 8.2 7.2
United States	7.1

Operating Hours per Week - Region and United States: 2019

Region	Hours operated
	(hours per week)
Northeast	6.0 6.1 10.1 5.1
United States	7.1

Operating Hours per Week - Division and United States: 2019

Division	Hours operated
	(hours per week)
New England Mid-Atlantic East North Central West North Central Mountain Pacific West South Central East South Central	4.8 6.8 6.4 5.8 5.8 4.8 10.1
South Atlantic	8.9
United States	7.1

Products Sold - United States: 2019

Categories	Farmers markets
	(percent)
Milk and dairy Bread and baking goods Fruit and vegetables Meat, seafood, and eggs Condiments and sauce Beverages Plants Other foods Miscellaneous	44.2 90.9 99.6 84.5 94.1 60.4 86.5 77.9

Milk and Dairy Products Sold - United States: 2019

Milk and dairy	Farmers markets ¹
	(percent)
Cheese	92.0 29.3 34.6 30.6

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Bread and Baking Goods Products Sold - United States: 2019

Bread and baking goods	Farmers markets ¹
	(percent)
Baked goodsGrains/flour	99.8 17.6

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Fruit and Vegetable Products Sold - United States: 2019

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Fruit and vegetable products	Farmers markets ¹
	(percent)
Fresh fruit	95.3
Fresh vegetables	99.3
Fresh/dried herbs	79.6

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Seafood, Meat, Poultry, and Egg Products Sold - United States: 2019

Seafood, meat, poultry, and eggs	Farmers markets ¹
	(percent)
Fish and/or seafood	28.0 70.2 52.5 93.9

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Condiment and Sauce Products Sold - United States: 2019

Condiments and sauces	Farmers markets ¹
	(percent)
Honey Canned fruits or preserves Maple syrup	93.2 87.8 38.8

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Beverage Products Sold - United States: 2019

Beverages	Farmers markets ¹
	(percent)
Alcoholic beverages Coffee and/or tea Other non-alcoholic	73.6

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Plant Products Sold - United States: 2019

Plants	Farmers markets ¹
	(percent)
Cut flowers	83.3 83.8
Bedding plants	63.7
Nursery stock	29.8

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Other Food Products Sold - United States: 2019

Other food products	Farmers markets ¹
	(percent)
Tofu and/or meat dairy subs Nuts Mushrooms Wild harvested/foraged Prepared foods Seed of edible plants Fermented and pickled foods	7.7 40.9 49.0 17.6 70.0 18.7 58.8

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Miscellaneous Products Sold - United States: 2019

Miscellaneous	Farmers markets ¹
	(percent)
Crafts and/or woodworking Soap and/or body care Pet food Services Other	82.6 84.0 32.9 19.0 15.5

¹ Product breakout percent is of respondents who reported selling within the Product Class.

Number of Producers/Vendors - United States: 2019

Items	Number of producers/vendors per farmers market
Average number on a peak market day	25
Producers/vendors who sold products they produced	14
Milk and dairy	2
Bread and baked goods	3
Fruit and vegetables	9
Meat, seafood, and eggs	3
Condiments and sauces	3
Beverage	3
Plants	3
Other food products and miscellaneous	7
Returning producers/vendors	23
Producers/vendors who sold to intermediaries and institutions	5
Buyers from intermediaries and institutions	14

Producer/Vendors on Average Market Day - United States: 2018-2019

	Change
	(percent)
Increased	36.8 51.8
Decreased	11.4

Market Labelling - United States: 2019

Label	Farmers markets	
	(percent)	
USDA Certified Organic Free range Grass-fed Certified Humane Locally-grown Gluten free Other None of the above	39.4 45.8 46.0 9.6 84.7 46.1 20.8 4.9	

Markets Assisted Producers/Vendors with Training and/or Business Development Support – United States: 2019

	Farmers markets
	(number)
YesNo	2,473 5,667
110	0,007

Markets Assisted Producers/Vendors with Training and/or Business Development Support – United States: 2019

Туре	Farmers markets ¹
	(percent)
Merchandising	41.0 72.9 20.5 16.7 53.6 19.8 16.6 24.0 21.6

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Markets Provided/Managed Business Development and Incubation - United States: 2019

Services/facilities	Farmers markets ¹ (percent)	
Provided		
Shared kitchen space	7.1	
Shared kitchen space	14.0	
Packaging services	3.6	
Provided other	8.0	
None of the above	87.1	
Managed		
CSA program	15.9	
Food hub	6.0	
Nearby satellite markets Mobile market	13.8	
Mobile market	7.1	
Managed other	4.7	
None of the above	79.2	

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Producers/Vendors Benefit from Farmers Market Participation – United States: 2019

Benefit	Producers/vendors ¹ (percent)	
Transitioned from working part time	7.9	
Increased number of employed workers	32.8	
Transitioned to organic	15.1	
Increased product range	77.4	
Increased overall production	67.4	
Initiated value-added production	14.7	
Made economic use of imperfect products	39.6	
Began renting kitchen facilities	19.3	
Increased farmers market participation	59.5	
Sold through other DTC market	45.6	
Sold to retail markets	46.1	
Sold to institutions	19.2	
Other	7.7	
No benefit	0.3	

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Acceptance of Federal Nutrition Program Benefits - United States: 2019

	Farmers markets
	(number)
YesNo	4,076 4,064

Federal Nutrition Program Benefits Accepted - United States: 2019

Program	Farmers markets ¹
	(percent)
Supplemental Nutrition Assistance Program (SNAP) Women, Infants and Children's (WIC) Farmers Market Nutrition Program	78.7
(FMNP)	58.0
Senior Farmers Market Nutrition Program (SFMNP)	56.9
Women, Infants and Children's (WIC) Cash Value Voucher (CVV)	26.3
<u>Other</u>	14.9

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Individual Producer/Vendor Acceptance of Federal Nutrition Program Benefits - United States: 2019

	Farmers markets
	(number)
Yes	4,352 3,788

Individual Producer/Vendor Acceptance of Federal Nutrition Program Benefits - United States: 2019

Program	Producers/vendors ¹
	(percent)
Supplemental Nutrition Assistance Program (SNAP)	55.9
(FMNP)	66.7
Senior Farmers Market Nutrition Program (SFMNP)	66.3
Women, Infants and Children's (WIC) Cash Value Voucher (CVV)	
Other	5.4

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Incentives or Matching Programs Offered - United States: 2019

	Farmers markets
	(number)
Yes	2,827 5,313

Incentive Linked to Federal Nutrition Program - United States: 2019

Program	Farmers markets ¹
	(percent)
Supplemental Nutrition Assistance Program (SNAP) Women, Infants and Children's (WIC) Farmers Market Nutrition Program	77.8
(FMNP)	20.8
Senior Farmers Market Nutrition Program (SFMNP)	18.2
Women, Infants and Children's (WIC) Cash Value Voucher (CVV)	9.7
Fruit and Vegetable Prescription (RX)	7.1
Other	23.2

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Incentives/Matching Programs Funded - United States: 2019

Types	Farmers markets ¹
	(percent)
Federal funding State funding Private funding Market funding Other	37.0 26.3 33.7 19.1 23.4

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Offered or Sponsored Health and/or Fitness Programs - United States: 2019

•	
	Farmers markets
	(number)
Yes	3,690 4,450

Offered or Sponsored Health and/or Fitness Programs - United States: 2019

	Farmers markets ¹
	(percent)
Very frequently Somewhat frequently Occasionally	29.2 22.4 28.9
Somewhat infrequently Very infrequently	13.7 5.7

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Offered or Engaged in Any Food Waste and/or Conservation - United States: 2019

	Farmers markets
	(number)
YesNo	2,660 5,480

Food Waste or Conservation Programs Available - United States: 2019

Program	Farmers markets ¹
	(percent)
Canning and other processing classes and demonstrations	12.3
Composting	41.7
Gardening/horticultural Instruction	22.1
Gleaning	22.1
Recycling	44.2
Donating to food banks	66.5
Other	8.6

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Offer/Engage in Food Waste or Conservation Programs - United States: 2019

	Farmers markets ¹
	(percent)
Very frequently Somewhat frequently Occasionally Somewhat infrequently Very infrequently	63.1 13.7 12.8 7.2 3.2

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Conducted Market Research Studies and/or Evaluations - United States: 2019

	Farmers markets
	(number)
Yes	2,044 6,096

Studies or Evaluations Conducted - United States: 2019

Туре	Farmers markets ¹
	(percent)
Survey(s) of customers for product preferences	45.2
Survey(s) of customers for market day/time preferences	27.8
Customer counts/estimates	76.5
Survey(s) of producers/vendors about needs, concerns,	
and perceptions	51.3
Collection of sales information from producers/vendors	43.1
Feasibility studies to add aggregation and/or distribution	
activities	6.5
Community needs assessment	18.2
Other study, evaluation and/or assessment	13.5

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Households Who Shopped on an Average Market Day – United States: 2019

	Number
Households	916

Average Market Day Sales Total - United States: 2019

	Sales
	(dollars)
Farmers market	14,547

Occurrence of Bartering and/or Other Forms of Non-Monetary Trade - United States: 2019

	Farmers markets	
	(percent)	
YesNo	43.9 56.1	

Board or Group of Persons Who Collectively Made Decisions - United States: 2019

	Farmers markets
	(number)
Yes	5,695 2,445

Producer/Vendor Representation on The Board - United States: 2019

Members were producers/vendors	Farmers markets ¹
	(percent) ²
All	31.9 19.9 24.3 24.0

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Resident/Community Representation on The Board – United States: 2019

	-
Members were residents of the community	Farmers markets ¹
	(percent) ²
All	49.7
Most	27.4
Few	15.6
No	7.4

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Possessed Written By-Laws - United States: 2019

1 0000000 Tritton by Lawo Oritton Otation 2010	
	Farmers markets ¹
	(percent)
Yes	83.7 16.3

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Governance - United States: 2019

Governance	Farmers markets
	(number)
Governed itself	5,979
Governed by another entity	2,161

² May not add up to 100% due to rounding.

² May not add up to 100% due to rounding.

Legal Status - United States: 2019

Legal status	Farmers markets ¹
	(percent)
Nonprofit For-profit	65.6 21.0
Government entity Other	8.1 5.3

¹ Breakout percent is of respondents who reported governed themselves to the corresponding survey item.

Organizational Membership - United States: 2019

	Farmers markets ¹
	(percent)
Yes	32.6
No	67.4

¹ Breakout percent is of respondents who reported governed by another entity to the corresponding survey item.

Membership in Organization - United States: 2019

Туре	Farmers markets ¹
	(percent)
Nonprofit	89.1 0.3
Government entity Other	7.4 3.2

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Organization Governing - United States: 2019

Туре	Farmers markets ¹
	(percent)
Municipal Government Agency/Division Government entity Nonprofit For-profit Other	28.0 19.2 45.6 3.1 4.1

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Property Ownership - United States: 2019

Governing organization	Farmers markets
	(percent)
Leases	19.1
Wholly owns land and improvements	25.8
Wholly owns land but not improvements	1.3
Wholly owns improvements but not land	0.5
Shares ownership of both	0.7
Granted/gifted use of public land and/or improvements	34.4
Granted/gifted use of private land and/or improvements	18.2

Lease on Land - United States: 2019

Length	Farmers markets ¹
	(percent)
Year-to-year	67.5
More than one year but less than 5 years	11.6
5 years or more	20.9

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Permanent Structures - United States: 2019

	Farmers markets	
	(number)	
YesNo	2,930 5,210	

Permanent Structures - United States: 2019

Structure	Farmers markets ¹
	(percent)
Building	47.1 47.8 22.1

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Rules, Regulations and/or Operating Procedures - United States: 2019

	Farmers markets	
	(number)	
YesNo	7,591 549	

Rules, Regulations and/or Operating Procedures - United States: 2019

Туре	Farmers markets ¹
	(percent)
Signed agreement between vendor and market on by-laws governing the	
farmers market	83.6
Vendors are not allowed to sublet a space or stall	53.3
Adherence to market guidelines of safe food handling practices	81.5
Pre-application and adherence to the approval process	67.9
Requirement of participation in food safety training	32.9
Vendors must be a producer of the food and/or fiber they sell	66.2
Vendors must be from a defined geographical region	48.7
Vendors must participate in market currency/incentive programs	23.8
Vendors selling value-added items must use local farms for majority	
of ingredients	25.0
Agreement between market and vander for CSA and/or intermediated	
Agreement between market and vendor for CSA and/or intermediated sales	7.1
Membership in a market association	24.0
Only USDA-certified organic producers are accepted	3.4
	40.4
Licensing to sell products Liability insurance	40.4 62.8
	28.8
Organic certification to market as organic	
Authorized to accept Federal Nutrition Program benefits	33.2 3.7
Membership in a trade or producer marketing association	
Membership in a production co-op	0.6
Other	4.8

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Farmers Market Manager Presence – United States: 2019

	Farmers markets
	(number)
Yes	
As a paid employee of the farmers market organization	2,512
As a paid employee of another agency or organization	1,134
As a paid independent contractor	675
As a volunteer	3,162
No	657

Farmers Market Manager Pay - United States: 2019

	Pay ¹
	(dollars)
Hourly	18.40

¹ Includes respondents who reported yes to the corresponding survey item.

Hours per Farmers Market - United States: 2019

	Farmers Market Manager	
	(hours)	
Weekly	19.4	

Managed Additional Farmers Market Locations - United States: 2019

	Farmers Market Manager
	(number)
Yes No	1,556 6,584

Additional Paid Workers Employed - United States: 2019

	Farmers markets ¹	
	(number)	
Yes	2,077	
No	6,063	

¹ Excluding Farmers Market Manager

Employees Working at Each Farmers Market – United States: 2019

Туре	Employees
	(number)
Part-time	3 3

Full-Time Employees at Farmers Markets - United States: 2019

Role/Job responsibility ¹	Employees ²
	(percent)
Budget Expert/Accountant	14.4
Program/Project Coordinator	22.9
Federal Nutrition Program Coordinator	6.2
Farmers Market Incentives Coordinator	3.9
Site/Facilities Management/Support	29.9
Research/Evaluation	1.9
Other	39.2

¹ Those who worked 35 hours or more per week.

Part-Time Employees at Farmers Markets - United States: 2019

Role/Job responsibility ¹	Employees ²
	(percent)
Budget Expert/Accountant	6.7
Program/Project Coordinator	12.0
Federal Nutrition Program Coordinator	2.9
Farmers Market Incentives Coordinator	6.0
Site/Facilities Management/Support	36.6
Research/Evaluation	2.0
Other	37.6

¹ Those who worked 1 to 34 hours per week.

Volunteers Contributed Their Time at Farmers Markets - United States: 2019

	Farmers markets	
	(number)	
Yes	5,078	
No	3,062	

Volunteers at Farmers Markets - United States: 2019

	Number ¹
Volunteers	31,609

¹ Breakout is of respondents who reported yes to the corresponding survey item.

Annual Operating Budget - United States: 2019

	Farmers markets
	(number)
Yes No	3,882 4,258

² Breakout percent is of respondents who reported yes to the corresponding survey item.

² Breakout percent is of respondents who reported yes to the corresponding survey item.

Annual Operating Budget - United States: 2019

Funding sources	Farmers markets ¹	
	(percent)	
Public sponsorship Private donations Grant award(s) Fundraiser Producer/vendor fees Other	9.4 4.3 10.8 3.5 62.6 7.7	

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Annual Operating Budget - United States: 2019

Funding sources	Funding ¹
	(dollars per year)
Public sponsorship Private donations Grant award(s) Fundraiser Producer/vendor fees Other	13,378 6,687 15,189 9,426 31,672 16,881

¹ Breakout is of respondents who reported yes to the corresponding survey item.

Producer/Vendors Charged Fees to Sell – United States: 2019

	Farmers markets
	(number)
Yes	6,389 1,751

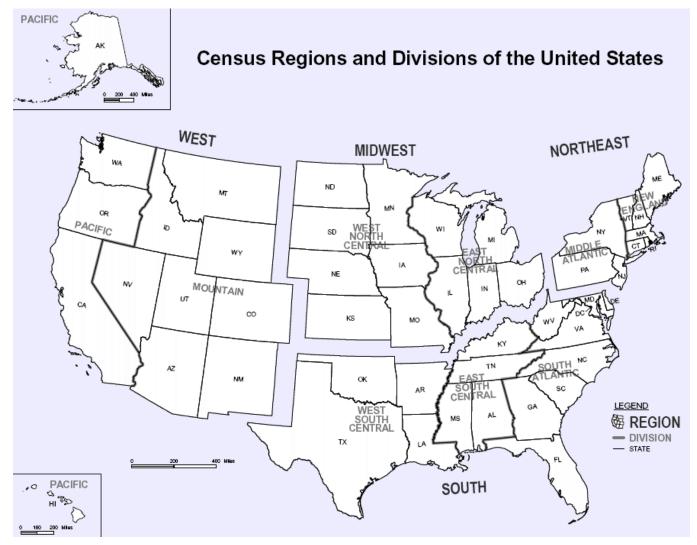
Producer/Vendor Fees - United States: 2019

Structure	Farmers markets ¹	
	(percent)	
Flat rate	74.4	
Based on percentage of sales	12.4	
Based on size of the producer/vendor stall	21.3	
Other	9.7	

¹ Breakout percent is of respondents who reported yes to the corresponding survey item.

Annual Membership or Application Fee - United States: 2019

	Farmers markets
	(percent)
Yes	35.2 64.8



From: https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

Northeast Region

New England Division:

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut

Middle Atlantic Division:

New York, New Jersey, Pennsylvania

Midwest Region

East North Central Division:

Ohio, Indiana, Illinois, Michigan, Wisconsin

West North Central Division:

Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas

South Region

South Atlantic Division:

Delaware, Maryland, D.C., Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida

East South Central Division:

Kentucky, Tennessee, Alabama, Mississippi

West South Central Division:

Arkansas, Louisiana, Oklahoma, Texas

West Region

Mountain Division:

Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada

Pacific Division:

Washington, Oregon, California

Terms and Definitions

The following terms and definitions provide a detailed description of specific terms and phrases used in this publication. In addition, items in the publication tables that carry the note "See Appendix" are explained.

Census Divisions: groupings of states that are subdivisions of the four census regions. There are nine census divisions, which the U.S. Census Bureau adopted in 1910 for the presentation of data. Also, see previous page with Census Regions and Divisions for the United States. For additional information, see U.S. Census Bureau's website.

Census Regions: groupings of states that subdivide the United States for the presentation of data. There are four census regions- Northeast, Midwest, South, and West. Each of the four census regions is divided into two or more census divisions. Before 1984, the Midwest region was named the North Central region. From 1910, when census regions were established, through the 1940s, there were three census regions- North, South, and West. Also, see previous page with Census Regions and Divisions for the United States. For additional information, see U.S. Census Bureau's website.

Farmers Market: a collection of two or more farm vendors selling agricultural products directly to customers at a common, recurrent physical location.

Farmers Market Manager: the person that oversee the vendors, products, and staff at farmers market.

Rural: nonmetropolitan counties that were completely rural or had an urban population of fewer than 2,500.

Suburban: nonmetropolitan counties with an urban population greater than 2,500.

Urban: metropolitan counties.

Survey and Statistical Methodology

Scope and Purpose: The National Farmers Market Manager Survey is a survey conducted under an agreement with the Agricultural Marketing Service (AMS). AMS uses these data to measure the customer demand of local foods from the Farmers Market manager's perspective, look for potential expansion opportunities, target access to nutritional foods, market nutritional education, measure access to local foods and organic foods, and strengthen community engagement. The population for the National Farmers Market Manager Survey was mangers of U.S. farmers markets operating in 2019. For this study, a farmers market is a collection of two or more farm vendors selling agricultural products directly to customers at a common, recurrent physical location. The survey was administered in the contiguous 48 states. The purpose of this appendix is to describe the survey methodology utilized to produce the final estimates in this publication.

Survey Timeline: Data collection began in March 2020 and concluded in June 2020 with analysis and review completed by publication on August 17, 2020.

Sampling: The sampling frame was comprised of two frames, to enable a measure of coverage. The sampling frames were the Farmers Market Directory maintained by AMS and a web-scraped (WS) list. Together these two frames resulted in approximately 12,000 records in the contiguous 48 states.

A stratified systematic sample of 10,000 farmers markets was drawn from the union of two frames.

Stratification:

Records were stratified using the following variables:

- A. Farmers Market Directory indicator
- B. Web-scraped list indicator
- C. U.S. Census Bureau Division
- D. Three level urbanicity categories based on the 2013 Rural-Urban Continuum Codes (see end of appendix for full definition)

Sample Size Determination: The sample was allocated based on the CV targets as well as to ensure an adequate number of respondents for each list membership combination to adjust for coverage (i.e. directory only, web-scraped only, on both lists). Sample size for each stratum was adjusted to account for differential nonresponse and out-of-scope rates (e.g. out-of-business farmers markets) between strata. Unit nonresponse was accounted for using a standard nonresponse weighting adjustment. In addition, a capture-recapture approach was used to account for under coverage of the union of the two frames.

Data Collection: For consistency across modes, the paper questionnaire version was considered the master questionnaire, and the web and telephone-interviewing instruments were built to model the paper instrument. NASS and AMS developed the questionnaire. Questionnaire content and format were evaluated by NASS through a specifications process, where requests for changes were evaluated and approved or disapproved during questionnaire development. NASS survey methodologists also conducted cognitive interviews before finalization of the questionnaire, and updates were made to the questionnaire based off these findings from cognitive testing. All data collection instruments were tested within NASS prior to the start of data collection.

All federal data collections require approval by the Office of Management and Budget (OMB). NASS must document the public need for the data, show the design applies sound statistical practice, ensure the data do not already exist elsewhere, and show that the public is not excessively burdened. The 2020 National Farmers Market Manager Survey questionnaire displayed an active OMB number that gave NASS the authority to conduct the survey, as well as a statement of the purpose of the survey and the use of the data being collected. The questionnaire included a response burden statement that gave an estimate of the time required to complete the form as well as a confidentiality statement that the respondent's information was protected from disclosure.

Respondents received the questionnaire, along with a cover letter and instructions for web reporting by mail in mid-

March 2020. Mail, web, and telephone interview modes of data collection were utilized for the survey. Respondents who did not return their survey by the end of March 2020 were sent a follow-up mailing of a pressure-sealed postcard in April 2020. The postcard served as a reminder to respondents to complete their survey, with an emphasis on online response to improve response rates. NASS and AMS public affairs staff promoted the survey online and with news releases, emphasizing the importance of survey response. Data collection concluded in June 2020.

Survey Edit: As survey data were collected and captured, they were edited for consistency and reasonableness using automated systems. The edit logic ensured administrative coding followed the methodological rules associated with the survey design. Relationships between data items on the survey were verified. Records that did not pass the edit logic were either updated or certified by an analyst as accurate.

Total Survey Error: NASS recognizes that survey data collection may cause the results to differ from what is intended to be collected. This is referred to as *survey error* in survey research and its presence in the final estimates do not allow those estimates to represent the true population values. Survey error can be introduced in all aspects of survey data collection. Consequently, data collection methodologies must be chosen to mitigate the impact of survey error in the final estimates.

NASS adopts the *total survey error* framework to identify and correct sources of survey error in it surveys. The total survey error framework specifies areas in survey data collection and estimation where survey error can be introduced.¹ The total survey error framework defines two main sources of survey error: sampling error and nonsampling error. Sampling error includes errors from sampling and estimation, such as coverage errors, improper sampling, and nonresponse. Nonsampling errors are present in any survey process. These errors include reporting, recording, and editing errors. Using this framework, NASS creates and implements a survey methodology plan to understand and reduce the impact of survey error in the statistics published in this document.

Weighting Methodology: Because respondents may differ from nonrespondents in their characteristics (i.e., presence of contact information, location, etc.), their reported data may also differ. This can introduce nonresponse bias into the final estimates which can cause the final estimates to not match the true population values. Survey researchers may use different methods to remove nonresponse bias; the method used for this survey is the calculation of post-survey weight adjustments. Responses to the three questions in Section 1 determined if the respondent was a farmers market that was eligible to complete the survey. Respondents were classified as not a farmers market ('out-of-scope'), previously existing as a farmers market ('no items of interest'), a current farmers market ('in-scope'), or unknown status. Records with unknown status were nonrespondents, and the responding records receive nonresponse adjustments to account for the unknown status records. A logistic regression model of response on active status, a binary indicator of whether the records was only found on the WS list, a binary indicator on whether the record was in an urban region and the interactions between these predictors estimated expected probabilities of response. The inverse of the expected probability of response for each respondent becomes the nonresponse adjustment.

Two separate lists generated independently from each other were combined to create the final sampling frame. However, neither list is considered a complete list of all farmers markets in the US (otherwise called undercoverage). Therefore, coverage adjustments were calculated for each list to correct for undercoverage. The coverage adjustment for the AMS list was calculated in a two-step process. First, a probability of coverage was calculated from the survey responses for records sampled from the WS sample. An initial logistic regression model of list overlap (1 if on both lists and 0 if only on the WS list) was created from responses to survey questions to find predictors of overlap. These predictors and their interactions were put into a final logistic regression model that estimated the probability of list overlap in the AMS sample (1 if on both lists and 0 if only on the AMS list). The same procedure was used to calculate an estimated probability of list overlap in the WS sample using a model created from the AMS sample. The two coverage adjustments were composited together for records that were on both lists to create a final coverage adjustment. The final weight is composed of the product of the sampling weight, nonresponse adjustment, and coverage adjustment.

A more thorough discussion of the total survey error framework is found in Paul Biemer's article *Total Survey Error: Design*, Implementation and Evaluation, Public Opinion Quarterly, Vol. 74, No. 5, 2010, pp. 817–848.

Reliability: The presence of nonsampling errors from nonresponse and coverage render traditional design-based variance estimators insufficient for calculating estimates of variance. Therefore, the jackknife variance estimator, a replication – based variance estimator, is used for variance calculation.

The survey respondents were randomly sorted within the list from which they were sampled (AMS only, WS only and both lists). Fifteen replicate weight variables were created where the weights were set to zero for equal groups of respondents. The replicate weights were rescaled so that the sum of the weights is equal to the sum of all weights.

Estimation Procedures: Data were checked for reasonableness and consistency before summarizing for each state. State estimates were aggregated to national totals for Headquarters review. Headquarters performed a thorough review of survey results and data relationships. Data were processed through an interactive analysis tool that displayed data for all reports by questionnaire item. The tool provided various scatter plots, tables, charts, and special tabulations that allowed the analyst to compare an individual record to other similar records within the appropriate state and region. These tools made outliers and unusual data relationships evident and NASS Regional Field Office and Headquarters staff reviewed them to determine if they were correct. Suspect data in error were corrected, while data found correct were kept.

Urban, Suburban, and Rural: The following is a description of the classification.

- 1. Urban
 - a. '1- County in metro area with 1 million population or more'
 - b. '2- County in metro area of 250,000 to 1 million population'
 - c. '3- County in metro area of fewer than 250,000 population'
- 2. Suburban
 - a. '4- Nonmetro county with urban population of 20,000 or more, adjacent to a metro area'
 - b. '5- Nonmetro county with urban population of 20,000 or more, not adjacent to a metro area'
 - c. '6- Nonmetro county with urban population of 2,500-19,999, adjacent to a metro area'
 - d. '7- Nonmetro county with urban population of 2,500-19,999, not adjacent to a metro area'
- 3. Rural
 - a. '8- Nonmetro county completely rural or less than 2,500 urban population, adi, to metro area'
 - b. '9- Nonmetro county completely rural or less than 2,500 urban population, not adj. to metro area'

For more detailed information on the Rural-urban Continuum Codes see: http://www.ers.usda.gov/data-products/rural-urban-continuum-codes.aspx#.UYJuVEpZRvY

Quality Metrics for National Farmers Market Managers Statistics

Purpose and Definitions: Under the guidance of the Statistical Policy Office of the OMB, NASS provides data users with quality metrics for its published data series. The metrics table below describes the performance data for the survey contributing to the publication. The accuracy of data products may be evaluated through sampling and non-sampling error. Non-sampling error is evaluated by response rates and the percent of the estimate from respondents.

Sample size is the number of observations selected from the population to represent a characteristic of the population.

Response rate is the proportion of the sample that completed the survey, excluding those operations that did not have the item of interest or were out of business at the time of data collection. This calculation follows Guideline 3.2.2 of the OMB Standards and Guidelines for Statistical Surveys (September 2006).

2019 National Farmers Market Manager Survey Sample Size and Response Rates – Census Region, Census Division, and United States

Geography	Sample size	Response rate
		(percent)
Northeast Region	2,243	48.5
New England Division	968	46.8
Middle Atlantic Division	1,275	49.8
Midwest Region	2,997	64.0
East North Central Division	1,715	60.7
West North Central Division	1,282	68.4
South Region	2,942	60.9
South Atlantic Division	1,561	62.9
East South Central Division	696	74.4
West South Central Division	685	42.6
West Region	1,818	59.6
Mountain Division	786	54.3
Pacific Division	1,032	63.6
United States	10,000	58.8

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. Email inquiries may be sent to nass@usda.gov.

Jody McDaniel, Chief, Environmental, Economics and Demographics Branch	(202) 720-6146
Scott Shimmin, Head, Environmental and Demographics Section	(202) 720-0684
Andrew Brosier – Census of Agriculture	(202) 690-3556
William Cumberland – Irrigation and Water Management, Irrigation Organizations	(202) 690-1348
Fred Granja – Census of Agriculture, Census of Puerto Rico and Outlying Areas	(202) 690-3233
Joe Hagedorn – Census of Agriculture, American Indians	(202) 690-2284
Virginia Harris – Census of Agriculture and Demographics and Organics	(502) 582-5257
Janetty Mosley – Census of Agriculture, Census of Horticulture	(202) 690-3226
Shirley Samson – Census of Agriculture, Farmer Market Managers and Local Foods	(202) 690-4752
Irvin Yeager – Census of Agriculture, Census of Puerto Rico and Outlying Areas	(202) 720-5581

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- ➤ Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on "National" or "State" in upper right corner above "search" box to create an account and select the reports you would like to receive.
- Cornell's Mann Library has launched a new website housing NASS's and other agencies archived reports. The new website, https://usda.library.cornell.edu. All email subscriptions containing reports will be sent from the new website, https://usda.library.cornell.edu. To continue receiving the reports via email, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: https://usda.library.cornell.edu/help. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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