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Technology Use (Farm Computer Usage and Ownership)

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Farm Technology Use and Ownership Highlights

Nationally, 85 percent of farms reported having access to the internet. In 2025, 50 percent of farms used the internet to purchase agricultural inputs, which was an increase of 18 percent from 2023. Additionally, 29 percent of farms used the internet to market agricultural activities, which was an increase of 6 percent from 2023. Farms which conducted business with non-agricultural websites in 2025 decreased by 4 percent to 45 percent.

In 2025, 55 percent of farms utilized a broadband connection to access the internet while 74 percent of farms had access to the internet through a cellular data plan. Additionally, 68 percent of farms had a desktop or laptop computer while 82 percent of farms had a smart phone.

Farm Technology Use – States and United States: 2023 and 2025

State	Farms					
	Own or use desktop or laptop computer		Own or use smart phone		Own or use a tablet or other portable wireless computer	Own or use some other type of computer
	2023	2025	2023	2025	2025	2025
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	60	61	91	83	32	1
Arizona ¹	50	60	56	71	30	1
Arkansas	64	59	81	84	29	4
California	85	88	85	89	45	3
Colorado	75	73	82	85	35	2
Florida	62	63	85	86	35	4
Georgia	75	71	92	88	43	1
Idaho	85	80	87	89	37	2
Illinois	72	72	89	83	41	5
Indiana	63	62	59	72	34	1
Iowa	75	72	80	84	40	5
Kansas	85	75	92	88	42	3
Kentucky	60	63	81	79	30	4
Louisiana	73	72	86	90	37	2
Maryland ²	73	75	70	77	40	4
Michigan	75	67	81	79	35	5
Minnesota	70	72	85	81	37	4
Mississippi	53	58	88	82	30	5
Missouri	62	60	79	79	31	3
Montana	81	80	85	87	42	2
Nebraska	77	69	85	85	39	2
New Hampshire ³	85	83	73	81	42	2
New Jersey	82	80	79	82	45	4
New Mexico	40	65	55	77	32	3
New York	67	67	70	74	36	1
North Carolina	71	66	90	85	35	6
North Dakota	77	74	81	89	43	3
Ohio	60	64	65	74	31	2
Oklahoma	56	64	88	84	28	3
Oregon	88	80	87	92	34	2
Pennsylvania	51	56	61	67	24	5
South Carolina	70	77	88	84	35	5
South Dakota	82	73	89	86	42	5
Tennessee	69	60	85	79	32	4
Texas	68	68	92	84	34	2
Utah	74	73	91	88	42	2
Virginia	63	63	80	80	31	4
Washington	81	80	70	82	43	1
West Virginia	54	54	65	71	27	2
Wisconsin	70	63	73	71	26	4
Wyoming	73	77	92	90	40	3
United States ⁴	69	68	82	82	35	3

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

⁴ Excludes Alaska and Hawaii.

Farm Internet Access – States and United States: 2023 and 2025

State	Farms	
	With internet access	
	2023 (percent)	2025 (percent)
Alabama	86	81
Arizona ¹	65	74
Arkansas	80	82
California	91	92
Colorado	87	88
Florida	84	83
Georgia	95	90
Idaho	96	92
Illinois	91	87
Indiana	80	79
Iowa	85	87
Kansas	92	89
Kentucky	85	80
Louisiana	86	87
Maryland ²	85	89
Michigan	88	85
Minnesota	86	87
Mississippi	80	82
Missouri	84	80
Montana	93	90
Nebraska	90	87
New Hampshire ³	98	93
New Jersey	92	87
New Mexico	55	70
New York	82	81
North Carolina	87	87
North Dakota	85	90
Ohio	69	77
Oklahoma	85	87
Oregon	92	94
Pennsylvania	66	73
South Carolina	83	87
South Dakota	93	88
Tennessee	84	82
Texas	89	85
Utah	97	92
Virginia	79	81
Washington	91	90
West Virginia	74	79
Wisconsin	83	79
Wyoming	90	91
United States ⁴	85	85

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

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⁴ Excludes Alaska and Hawaii.

Use of Internet – States and United States: 2023 and 2025

[Agricultural inputs include seed, fertilizer, chemicals, veterinarian supplies, feed, machinery, replacement parts, farm supplies, office equipment, etc. Agricultural marketing activities include direct sales of commodities, on-line crop and livestock auctions, on-line market advisory services, commodity price tracking, etc.]

State	Farms			
	Purchase agricultural inputs over internet		Conduct agricultural marketing activities over internet	
	2023 (percent)	2025 (percent)	2023 (percent)	2025 (percent)
Alabama	22	44	9	19
Arizona ¹	23	47	18	26
Arkansas	29	45	26	28
California	37	61	33	32
Colorado	47	54	40	31
Florida	31	57	16	24
Georgia	46	51	30	23
Idaho	51	58	26	36
Illinois	36	49	37	39
Indiana	31	46	25	30
Iowa	29	45	28	38
Kansas	46	47	37	33
Kentucky	29	49	16	27
Louisiana	23	53	12	27
Maryland ²	46	54	42	32
Michigan	37	54	23	32
Minnesota	31	47	34	38
Mississippi	20	48	7	26
Missouri	27	43	26	24
Montana	47	58	23	36
Nebraska	39	44	31	36
New Hampshire ³	49	61	36	35
New Jersey	49	63	26	20
New Mexico	27	50	13	22
New York	41	64	25	38
North Carolina	35	58	32	29
North Dakota	43	45	39	40
Ohio	28	48	25	26
Oklahoma	27	51	20	29
Oregon	40	59	21	32
Pennsylvania	26	47	18	19
South Carolina	22	57	17	25
South Dakota	40	44	35	34
Tennessee	25	47	18	22
Texas	21	51	10	23
Utah	46	59	31	34
Virginia	39	48	15	28
Washington	54	57	40	29
West Virginia	30	44	12	13
Wisconsin	32	42	17	21
Wyoming	18	54	13	28
United States ⁴	32	50	23	29

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

⁴ Excludes Alaska and Hawaii.

Internet Access of Reports, Services, and Websites – States and United States: 2023 and 2025

[Reference period for access and usage of USDA reports, research information, and services is the last 12 months prior to the survey completion date]

State	Farms					
	Access USDA/NASS reports over internet		Access other USDA reports/services over internet		Access other Federal government websites over internet	
	2023	2025	2023	2025	2023	2025
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	11	12	12	16	11	21
Arizona ¹	6	8	17	20	21	23
Arkansas	22	12	29	25	23	24
California	16	21	26	32	30	37
Colorado	20	11	30	22	22	27
Florida	12	13	20	19	25	27
Georgia	15	14	15	25	23	29
Idaho	23	16	26	23	24	33
Illinois	25	17	33	26	23	29
Indiana	12	11	21	22	19	21
Iowa	13	14	20	27	17	26
Kansas	21	14	33	27	37	30
Kentucky	12	11	21	26	16	22
Louisiana	15	12	13	25	12	22
Maryland ²	14	10	27	18	23	33
Michigan	12	11	19	23	20	27
Minnesota	16	11	27	22	20	26
Mississippi	6	11	9	18	11	21
Missouri	14	10	25	21	19	21
Montana	15	15	24	30	24	34
Nebraska	22	15	33	26	20	28
New Hampshire ³	17	11	26	24	24	33
New Jersey	8	15	15	23	21	30
New Mexico	9	14	9	18	15	24
New York	14	11	14	22	17	31
North Carolina	18	14	26	20	22	24
North Dakota	24	23	34	33	32	33
Ohio	9	7	13	17	9	19
Oklahoma	10	13	19	25	14	26
Oregon	16	10	13	17	27	32
Pennsylvania	9	7	12	17	12	16
South Carolina	16	18	15	26	20	30
South Dakota	19	16	38	30	28	32
Tennessee	10	4	20	17	22	23
Texas	6	5	10	14	12	19
Utah	19	13	25	20	27	30
Virginia	8	12	16	22	18	26
Washington	15	14	30	21	38	28
West Virginia	10	6	15	15	13	17
Wisconsin	12	7	23	16	22	19
Wyoming	8	14	17	23	16	28
United States ⁴	13	11	20	22	19	25

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

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⁴ Excludes Alaska and Hawaii.

Conducting Business on the Internet – States and United States: 2023 and 2025

State	Farms					
	Conduct business with any USDA website		Conduct business with any other Federal government website		Conduct business with any non-agricultural website	
	2023	2025	2023	2025	2023	2025
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	11	10	9	4	32	29
Arizona ¹	11	12	4	10	22	42
Arkansas	23	18	18	14	38	37
California	26	27	16	19	55	62
Colorado	28	16	14	10	56	59
Florida	11	21	9	11	23	32
Georgia	14	18	14	12	59	43
Idaho	21	18	8	13	61	63
Illinois	31	25	16	12	61	49
Indiana	14	19	11	9	42	44
Iowa	21	24	8	12	52	48
Kansas	30	28	25	16	66	47
Kentucky	13	14	8	8	40	28
Louisiana	11	21	8	13	45	47
Maryland ²	14	17	8	11	43	55
Michigan	15	19	7	11	42	46
Minnesota	28	27	16	12	63	49
Mississippi	7	19	7	7	38	38
Missouri	19	19	13	10	47	40
Montana	15	23	11	15	61	60
Nebraska	27	22	13	13	62	49
New Hampshire ³	12	15	16	13	54	56
New Jersey	7	9	10	7	42	45
New Mexico	9	18	9	12	32	41
New York	11	14	6	12	51	54
North Carolina	15	13	11	13	58	48
North Dakota	28	27	19	19	64	58
Ohio	12	14	5	9	39	39
Oklahoma	14	23	10	13	56	46
Oregon	14	13	13	10	67	58
Pennsylvania	10	10	7	8	29	40
South Carolina	9	18	3	9	42	39
South Dakota	33	26	20	17	57	53
Tennessee	11	11	15	7	36	35
Texas	7	10	5	6	53	44
Utah	22	16	13	13	63	54
Virginia	10	15	7	10	42	40
Washington	21	12	8	10	69	54
West Virginia	13	6	4	7	26	31
Wisconsin	16	16	8	9	55	39
Wyoming	10	19	4	13	44	54
United States ⁴	16	18	11	11	49	45

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

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⁴ Excludes Alaska and Hawaii.

Methods of Internet Access – States and United States: 2025

[Various methods of internet access for operators accessing the Internet. May not add to 100% due to operators with multiple types of internet access]

State	Farms				
	Dialup	Broadband (DSL, cable, fiber optic)	Cellular	Satellite	Other
	2025				
	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	2	52	72	19	(Z)
Arizona ¹	3	42	62	30	1
Arkansas	3	55	70	19	1
California	3	53	85	44	1
Colorado	3	49	76	29	2
Florida	3	59	79	20	3
Georgia	4	60	77	24	2
Idaho	4	59	78	30	(Z)
Illinois	3	53	76	29	2
Indiana	2	52	70	15	1
Iowa	4	61	75	25	2
Kansas	2	60	78	24	1
Kentucky	4	58	71	18	1
Louisiana	1	58	85	32	(Z)
Maryland ²	1	62	81	24	1
Michigan	5	47	72	23	(Z)
Minnesota	5	62	74	18	1
Mississippi	2	57	78	22	(Z)
Missouri	4	47	70	23	1
Montana	5	59	75	27	2
Nebraska	5	54	74	28	1
New Hampshire ³	4	74	78	13	(Z)
New Jersey	4	71	80	15	(Z)
New Mexico	5	48	68	27	2
New York	4	61	72	13	(Z)
North Carolina	4	59	74	25	(Z)
North Dakota	4	78	80	17	1
Ohio	4	52	68	22	1
Oklahoma	4	50	78	27	(Z)
Oregon	2	59	83	29	(Z)
Pennsylvania	3	52	59	16	1
South Carolina	5	56	84	20	1
South Dakota	3	70	76	19	(Z)
Tennessee	2	65	74	12	(Z)
Texas	2	49	76	31	1
Utah	4	60	76	22	2
Virginia	1	50	71	25	2
Washington	2	56	77	23	(Z)
West Virginia	6	47	62	25	1
Wisconsin	6	55	63	22	2
Wyoming	4	55	81	36	1
United States ⁴	3	55	74	24	1

(Z) Less than half of the unit shown.

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

⁴ Excludes Alaska and Hawaii.

Precision Agriculture Practices

Beginning in 2021, data were collected for precision agriculture practices with the question: “In the last 12 months, did this farm or ranch use precision agriculture practices to manage crops or livestock? This would include the use of global positioning (GPS) guidance systems, GPS yield monitoring and soil mapping, variable rate input applications, use of drones for scouting fields or monitoring livestock, electronic tagging, precision feeding, robotic milking, etc..” Results are presented in the following table.

Farm Precision Agriculture Practices – States and United States: 2023 and 2025

State	Farms	
	Using precision agriculture practices to manage crops or livestock	
	2023 (percent)	2025 (percent)
Alabama	22	15
Arizona ¹	23	16
Arkansas	27	20
California	40	24
Colorado	27	19
Florida	12	17
Georgia	13	18
Idaho	27	20
Illinois	51	42
Indiana	32	30
Iowa	54	42
Kansas	49	34
Kentucky	11	13
Louisiana	31	22
Maryland ²	31	19
Michigan	36	36
Minnesota	32	36
Mississippi	20	19
Missouri	23	22
Montana	28	23
Nebraska	55	41
New Hampshire ³	24	13
New Jersey	27	9
New Mexico	14	17
New York	26	12
North Carolina	27	17
North Dakota	57	50
Ohio	31	23
Oklahoma	18	22
Oregon	20	12
Pennsylvania	20	14
South Carolina	14	17
South Dakota	53	41
Tennessee	31	12
Texas	13	14
Utah	31	13
Virginia	11	14
Washington	25	18
West Virginia	8	4
Wisconsin	18	18
Wyoming	33	17
United States ⁴	27	22

¹ Includes Arizona and Nevada.

² Includes Delaware and Maryland.

³ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

⁴ Excludes Alaska and Hawaii.

Farm Numbers

To help equate the percentages published in this report to actual farm counts, a table showing "Number of Farms by States and United States" from the February 2025 NASS publication *Farms, Land in Farms* is included below. A farm is "any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the year."

Number of Farms – States and United States: 2022 - 2024

[2025 number of farms not available until 2026]

State	Farms		
	2022 (number)	2023 (number)	2024 (number)
Alabama	37,400	37,100	37,100
Arizona	16,700	16,400	15,100
Arkansas	37,800	37,400	37,200
California	63,100	62,900	62,500
Colorado	36,100	35,900	35,000
Delaware	2,150	2,150	2,150
Florida	44,700	44,400	44,400
Georgia	39,200	39,000	38,300
Idaho	22,900	22,600	22,500
Illinois	71,100	70,700	70,000
Indiana	53,600	53,300	52,000
Iowa	86,900	86,800	86,700
Kansas	55,700	55,500	55,500
Kentucky	69,400	69,100	69,100
Louisiana	25,000	24,800	24,600
Maryland	12,600	12,600	12,600
Michigan	45,600	45,300	44,000
Minnesota	65,500	65,300	65,300
Mississippi	31,300	31,100	30,800
Missouri	87,900	87,600	85,700
Montana	24,300	24,300	23,800
Nebraska	44,500	44,400	44,300
Nevada	3,100	3,100	3,100
New Hampshire ¹	30,700	30,700	29,950
New Jersey	10,000	10,000	9,900
New Mexico	20,900	20,900	20,800
New York	30,700	30,700	30,500
North Carolina	42,800	42,500	42,100
North Dakota	25,100	24,800	24,800
Ohio	76,000	75,800	74,000
Oklahoma	70,300	70,300	70,000
Oregon	35,500	35,500	35,500
Pennsylvania	49,000	49,000	48,800
South Carolina	22,600	22,600	22,600
South Dakota	28,300	28,300	28,300
Tennessee	63,100	63,100	62,900
Texas	231,000	231,000	231,000
Utah	17,400	17,400	17,300
Virginia	39,000	39,000	39,000
Washington	32,100	32,000	31,800
West Virginia	22,800	22,800	22,600
Wisconsin	58,500	58,500	58,200
Wyoming	10,500	10,500	10,500
United States ²	1,892,850	1,887,150	1,872,300

¹ Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

² Excludes Alaska and Hawaii.

Statistical Methodology

Survey Procedures: The estimates of farm technology use in this report are based primarily on the Agricultural Land Values and Technology Use Survey, conducted from April to June. This annual survey uses a stratified random sample from the NASS list frame. A sample of approximately 28,000 operations were included. In the odd-numbered years since 1997, operators have been asked about their access and use of computers and other technology. Some states were combined due to their low number of responses. When this occurs, it is footnoted in the tables. Estimates are revised periodically to provide a better foundation for current and future estimates. Revisions are made when sufficient data become available to check the accuracy of the original estimates.

Estimating Procedures: Since all States conduct identical surveys, the State data can be pooled, and national survey results computed. The summary results provide point estimates and their standard errors for each data series being estimated. Once editing is complete, the data are summarized. Survey results are reviewed and estimates for State and National are established.

Survey results are delivered to a subject matter specialist for review and acceptance. All review is performed in NASS's Washington, D.C. Headquarters. Current results are reviewed, in tabular form, against the historical data series for consistency and reasonableness.

Revision Policy: For non-census years, Technology use values are subject to a biennial revision. After the 5-year Census of Agriculture is completed, Technology use estimates are subject to revisions.

Published Estimates: The Farm Technology Use and Ownership estimates for State and National are published in August in odd numbered years. While the Agricultural Land Values and Technology Use Survey is the primary source of data for the estimates, supplemental survey data and potential previous revisions are also considered, as described in the more detailed NASS Technology Use Methodology and Quality Measures publication.

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. E-mail inquiries may be sent to nass@usda.gov.

Bryan Combs, Chief, Environmental, Economics, and Demographics Branch (202) 720-5084

Julie Weber, Head, Environmental, and Demographics Section..... (202) 720-7216

William Cumberland – Census of Agriculture, Irrigation and Water Management, Farm Tech Use (202) 690-1348

Virginia Harris – Census of Agriculture, Farm Demographics, TOTAL (502) 907-3211

Mallory Johnson – Census of Agriculture, Organics, CEAP..... (502) 907-3208

Jamila Sani – Census of Agriculture, Census of Horticulture, CPAMS..... (202) 690-3226

Dominique Sims – Census of Agriculture, Farm Demographics, American Indian Reservations (202) 690-1719

Irvin Yeager – Census of Agriculture, PR and Outlying Areas, Local Foods Marketing (202) 720-7492

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- Cornell’s Mann Library website houses NASS’s and other agency’s archived reports at <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from <https://usda.library.cornell.edu>. To receive the reports via e-mail, you will have to go to the website and 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.

If you have specific questions you would like an expert to respond to, please visit our “Ask A Specialist” website at www.nass.usda.gov/Contact_Us/Ask_a_Specialist.

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