



United States  
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Agricultural  
Statistics  
Service



# Farm Computer Usage and Ownership

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# USDA





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## Special Note

NASS is in the process of modifying report layouts in order to improve readability. This is the first issue produced using the new layout. This report issue is published using both layouts but future issues will only be produced using this layout. The previous layout is available on the NASS website: [www.nass.usda.gov](http://www.nass.usda.gov).

## DSL Continues to be the Most Common Internet Access Method

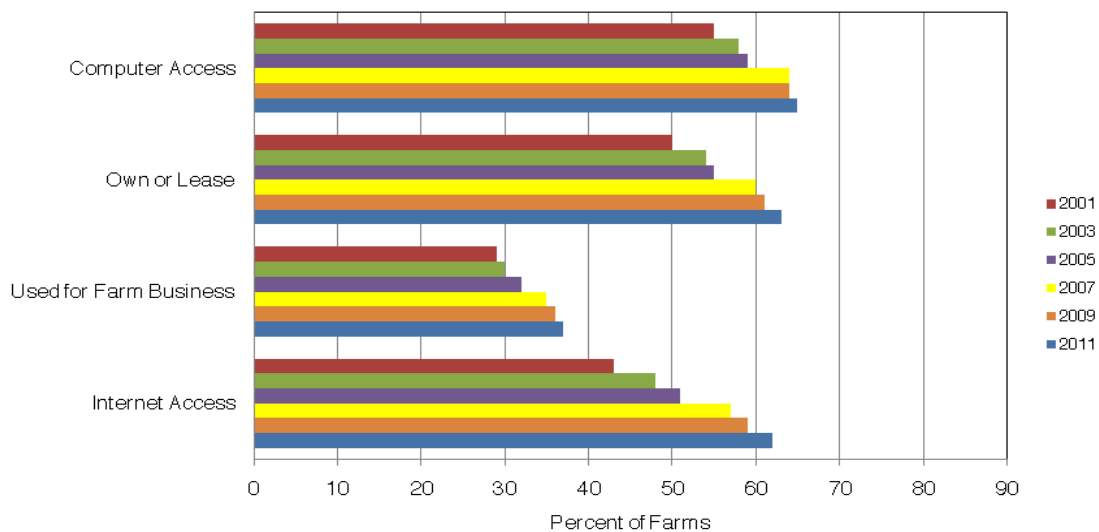
DSL was the most common method of accessing the Internet, with 38 percent of U.S. farms using it, up from 36 percent in 2009. Dialup access dropped from 23 percent in 2009 to 12 percent in 2011. Satellite and wireless were each reported as the primary Internet access methods on 15 and 20 percent of those U.S. farms with Internet access, respectively. Cable was reported as the primary access method on 11 percent of the farms, the same level as 2009.

A total of 62 percent of U.S. farms now have Internet access, compared with 59 percent in 2009. Sixty-five percent of farms have access to a computer in 2011, up 1 percentage point from 2009. The proportion of U.S. farms owning or leasing a computer in 2011, at 63 percent, was up 2 percentage points from 2009. Farms using computers for their farm business remained virtually stable at 37 percent in 2011 compared to 36 percent in 2009.

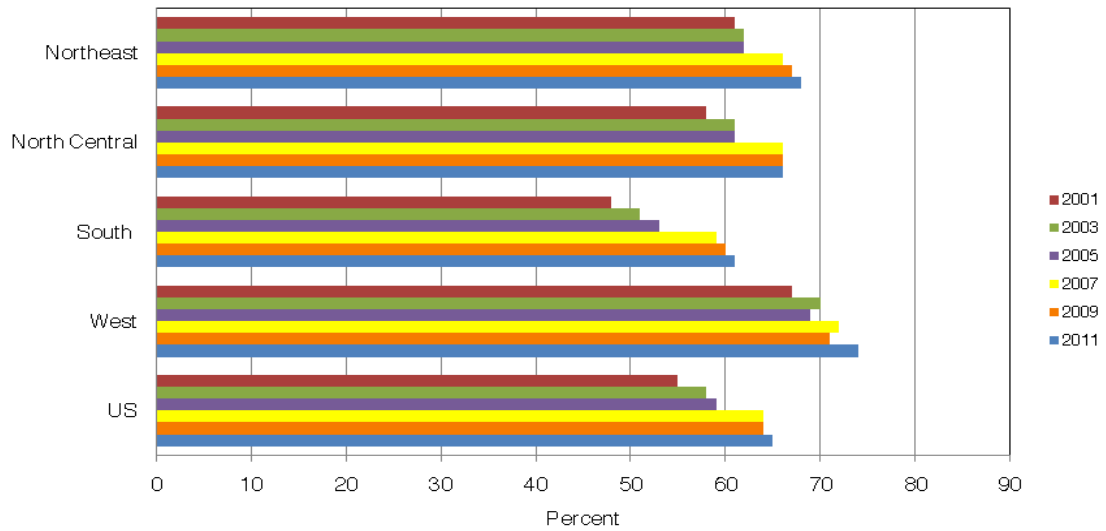
In 2011, 84 percent of U.S. farms with sales and government payments of \$250,000 or more have access to a computer, 83 percent own or lease a computer, 72 percent are using a computer for their farm business, and 82 percent have Internet access. For farms with sales and government payments between \$100,000 and \$249,999, the figures are: 68 percent have access to a computer, 68 percent own or lease a computer, 52 percent are using a computer for their farm business, and 67 percent have Internet access. Of the farms with sales and government payments between \$10,000 and \$99,999, 63 percent reported having computer access, 62 percent own or lease a computer, 41 percent use a computer for their farm business, and 60 percent have Internet access.

For crop farms, 67 percent have computer access and 41 percent use a computer for their farm business in 2011, up 2 and 1 percentage points from 2009, respectively. Internet access for crop farms has increased to 64 percent in 2011, compared with 60 percent in 2009. In 2011, a total of 63 percent of livestock farms have computer access and 61 percent have Internet access.

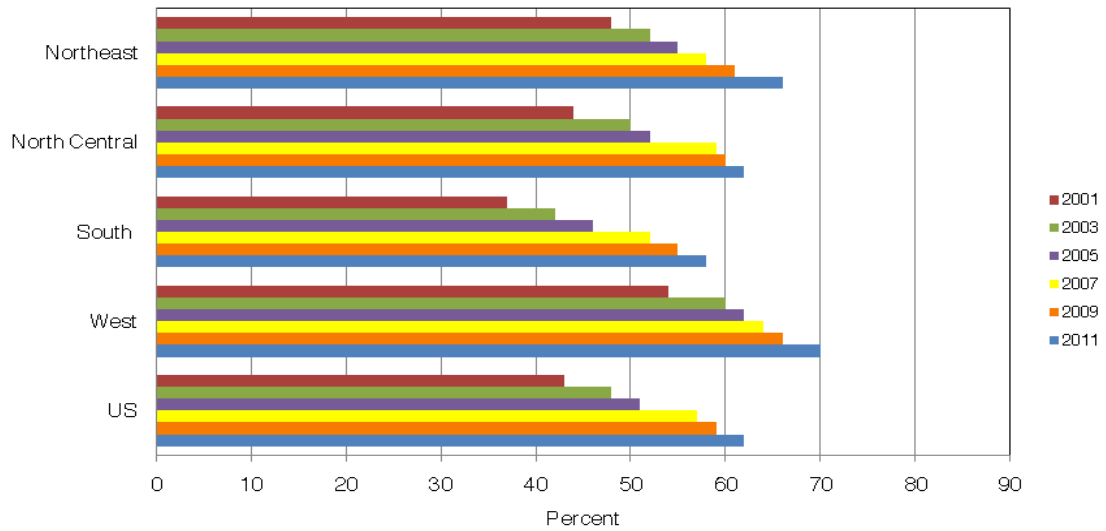
**Farm Computer Usage and Ownership –**  
United States: 2001-2011



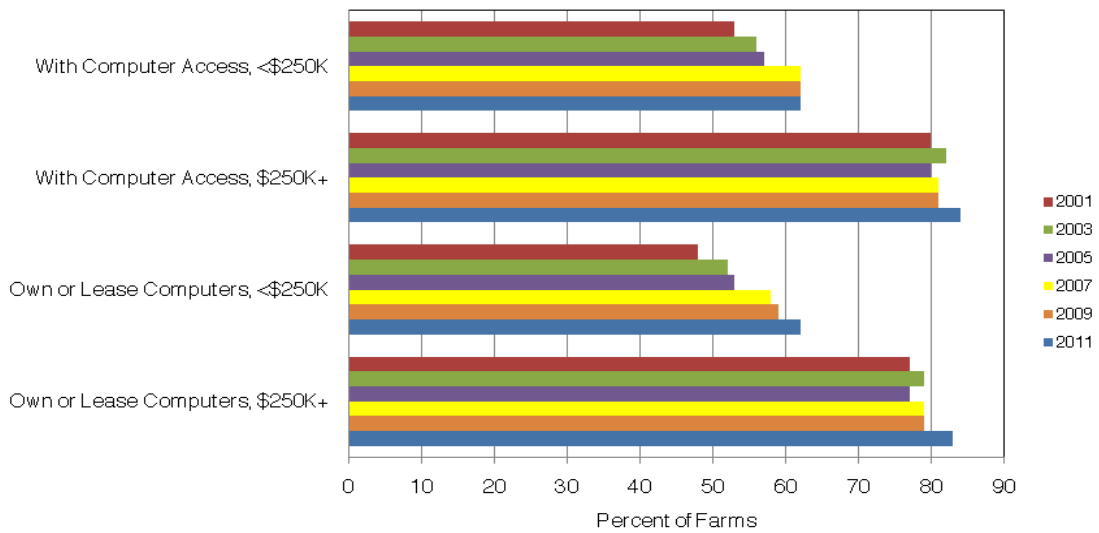
**Percent of Farms With Computer Access –  
By Region and United States: 2001-2011**



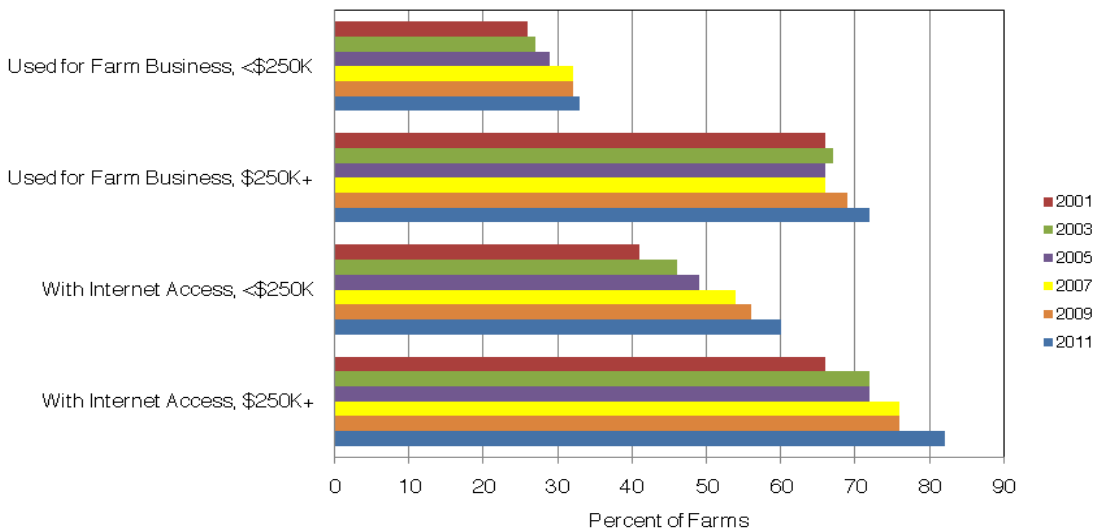
**Percent of Farms With Internet Access –  
By Region and United States: 2001-2011**



**Computer Access and Ownership –**  
By Economic Class - United States: 2001-2011



**Farm Business Usage and Internet Access –**  
By Economic Class - United States: 2001-2011



## Farm Computer Usage - State and United States: 2007, 2009, and 2011

State	Farms					
	With computer access			That own or lease computers		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	55	57	55	54	54	54
Arizona <sup>1</sup> .....	52	45	55	50	39	52
Arkansas .....	59	65	62	56	61	60
California .....	71	69	68	66	68	65
Colorado .....	74	74	80	73	73	79
Florida .....	61	71	70	60	61	68
Georgia .....	57	54	60	55	52	59
Idaho .....	83	80	83	81	79	82
Illinois .....	67	66	67	66	64	65
Indiana .....	64	68	65	62	65	63
Iowa .....	70	69	69	68	67	68
Kansas .....	68	69	66	64	67	64
Kentucky .....	60	57	59	57	54	58
Louisiana .....	51	53	60	49	51	54
Maryland <sup>2</sup> .....	64	62	60	63	61	59
Michigan .....	64	69	73	58	62	63
Minnesota .....	71	71	68	66	68	65
Mississippi .....	51	53	59	47	50	56
Missouri .....	56	54	57	53	53	55
Montana .....	72	73	76	70	72	74
Nebraska .....	69	69	72	67	68	71
New Hampshire <sup>3</sup> .....	78	83	80	75	78	79
New Jersey .....	69	76	77	63	75	75
New Mexico .....	53	51	57	53	50	55
New York .....	67	71	68	63	68	65
North Carolina .....	61	68	69	56	66	66
North Dakota .....	67	65	69	64	63	69
Ohio .....	62	59	59	60	57	57
Oklahoma .....	55	60	66	54	60	64
Oregon .....	82	79	83	78	75	80
Pennsylvania .....	58	55	60	54	51	57
South Carolina .....	62	59	59	61	58	58
South Dakota .....	70	68	68	69	66	66
Tennessee .....	58	55	55	46	46	51
Texas .....	62	61	60	55	58	57
Utah .....	70	71	85	63	66	77
Virginia .....	62	68	65	59	65	62
Washington .....	75	81	80	72	74	78
West Virginia .....	63	64	61	54	60	59
Wisconsin .....	69	73	73	60	70	71
Wyoming .....	76	81	84	74	80	79
United States <sup>4</sup> .....	64	64	65	60	61	63

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.



## Farm Computer Usage - State and United States: 2007, 2009, and 2011

State	Farms					
	Using computers for farm business			With Internet access		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	24	25	25	50	52	53
Arizona <sup>1</sup> .....	33	15	18	45	40	55
Arkansas .....	32	32	29	52	56	58
California .....	42	44	44	66	66	63
Colorado .....	40	44	47	70	68	72
Florida .....	37	38	45	56	65	69
Georgia .....	26	23	38	53	50	57
Idaho .....	50	42	46	66	68	76
Illinois .....	40	44	43	60	61	63
Indiana .....	38	42	39	57	61	62
Iowa .....	42	47	52	63	62	66
Kansas .....	39	42	39	57	64	62
Kentucky .....	24	26	23	51	48	55
Louisiana .....	25	26	28	49	46	53
Maryland <sup>2</sup> .....	36	34	34	61	59	59
Michigan .....	34	41	38	59	61	62
Minnesota .....	38	46	43	62	65	66
Mississippi .....	22	22	27	44	47	51
Missouri .....	29	29	33	52	49	52
Montana .....	45	52	49	63	69	73
Nebraska .....	44	50	52	63	62	69
New Hampshire <sup>3</sup> .....	50	47	50	67	75	78
New Jersey .....	45	46	57	63	75	75
New Mexico .....	20	31	35	48	45	55
New York .....	36	44	42	63	66	66
North Carolina .....	32	37	41	54	63	65
North Dakota .....	44	49	50	61	61	67
Ohio .....	32	39	36	58	55	55
Oklahoma .....	32	32	38	53	57	62
Oregon .....	50	44	50	72	69	80
Pennsylvania .....	29	27	36	51	48	58
South Carolina .....	36	33	30	48	46	53
South Dakota .....	40	45	42	64	62	63
Tennessee .....	24	22	26	50	47	52
Texas .....	33	30	30	52	57	58
Utah .....	50	36	48	59	65	79
Virginia .....	28	32	29	54	67	61
Washington .....	50	50	47	69	77	76
West Virginia .....	32	30	30	47	61	58
Wisconsin .....	38	41	42	58	67	67
Wyoming .....	43	40	37	66	80	78
United States <sup>4</sup> .....	35	36	37	57	59	62

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Use of Internet - State and United States: 2007, 2009, and 2011

[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		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	8	8	9	5	7	4
Arizona <sup>1</sup> .....	13	6	11	8	4	6
Arkansas .....	9	9	11	4	6	7
California .....	15	19	18	11	13	11
Colorado .....	9	10	18	8	11	15
Florida .....	19	22	17	10	15	15
Georgia .....	9	6	13	5	8	15
Idaho .....	12	18	22	10	15	10
Illinois .....	10	11	13	14	14	16
Indiana .....	14	18	10	18	17	9
Iowa .....	9	12	16	16	19	25
Kansas .....	10	14	13	8	10	10
Kentucky .....	8	9	11	6	8	6
Louisiana .....	6	8	11	3	7	10
Maryland <sup>2</sup> .....	19	19	17	8	16	13
Michigan .....	15	17	14	7	11	10
Minnesota .....	11	12	13	12	18	18
Mississippi .....	5	8	10	4	5	10
Missouri .....	7	7	11	5	7	10
Montana .....	13	13	18	16	20	16
Nebraska .....	8	12	15	11	21	23
New Hampshire <sup>3</sup> .....	23	26	30	15	15	18
New Jersey .....	27	30	39	15	18	18
New Mexico .....	7	14	11	5	8	7
New York .....	19	25	24	7	9	10
North Carolina .....	15	16	17	11	12	18
North Dakota .....	9	12	16	10	13	16
Ohio .....	12	14	13	11	16	10
Oklahoma .....	11	12	15	11	11	13
Oregon .....	21	16	17	12	15	15
Pennsylvania .....	11	12	15	7	8	7
South Carolina .....	15	10	11	15	7	8
South Dakota .....	7	10	11	12	18	13
Tennessee .....	7	9	10	7	7	11
Texas .....	9	11	12	8	8	7
Utah .....	17	12	18	17	8	17
Virginia .....	13	10	14	7	6	7
Washington .....	26	23	18	14	16	17
West Virginia .....	14	15	17	4	4	8
Wisconsin .....	12	13	17	12	12	17
Wyoming .....	18	13	15	8	15	8
United States <sup>4</sup> .....	11	13	14	10	11	12

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Internet Access of Reports, Services, and Web sites - State and United States: 2007, 2009, and 2011

[Reference period for access and usage of USDA reports, research information, and services is the last 12 months prior to June 1 of survey year.]

State	Farms								
	Access USDA/NASS reports over Internet			Access other USDA reports/services over Internet			Access other federal government web sites over Internet		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	5	3	3	6	5	10	6	7	7
Arizona <sup>1</sup> .....	2	3	3	11	4	11	6	9	9
Arkansas .....	4	5	4	6	12	12	13	14	12
California .....	7	8	9	13	11	18	13	14	18
Colorado .....	6	10	7	9	12	18	11	11	21
Florida .....	8	5	9	14	9	15	16	9	17
Georgia .....	2	3	3	7	6	14	6	7	11
Idaho .....	7	11	7	15	22	20	18	22	28
Illinois .....	11	10	10	16	14	16	12	10	14
Indiana .....	7	9	7	13	12	9	14	13	8
Iowa .....	10	11	16	15	18	23	11	15	17
Kansas .....	9	9	8	12	14	13	13	16	13
Kentucky .....	3	5	2	7	7	8	5	7	8
Louisiana .....	2	3	7	8	7	10	4	5	9
Maryland <sup>2</sup> .....	6	4	3	12	12	11	22	19	14
Michigan .....	9	7	9	14	12	14	14	15	15
Minnesota .....	7	10	12	12	17	16	10	15	13
Mississippi .....	3	5	4	7	7	10	8	6	9
Missouri .....	5	5	8	10	9	11	9	8	10
Montana .....	6	11	10	16	17	19	18	24	28
Nebraska .....	7	8	9	14	17	17	13	14	17
New Hampshire <sup>3</sup> ..	5	6	8	18	14	22	17	27	28
New Jersey .....	9	13	10	13	17	21	17	18	24
New Mexico .....	6	7	10	4	10	13	5	13	11
New York .....	5	9	8	8	19	11	18	24	21
North Carolina .....	6	5	7	12	14	15	14	14	14
North Dakota .....	7	14	12	15	18	19	15	11	16
Ohio .....	3	6	5	8	10	12	8	13	11
Oklahoma .....	6	6	6	10	11	15	16	11	14
Oregon .....	4	6	8	11	14	18	15	21	25
Pennsylvania .....	3	5	5	6	9	9	10	13	15
South Carolina .....	4	6	5	8	6	6	11	6	4
South Dakota .....	6	7	9	13	16	16	12	16	15
Tennessee .....	5	8	5	8	8	9	8	9	8
Texas .....	4	4	4	8	8	7	11	11	11
Utah .....	8	11	8	15	18	17	14	18	24
Virginia .....	4	7	7	8	13	9	11	16	16
Washington .....	7	6	7	15	16	15	18	23	25
West Virginia .....	7	7	5	10	11	10	18	14	19
Wisconsin .....	8	10	8	14	13	16	16	16	16
Wyoming .....	7	2	4	11	12	9	23	15	20
United States <sup>4</sup> .....	6	7	7	11	12	13	12	13	14

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Conducting Business on the Internet - State and United States: 2007, 2009, and 2011

State	Farms					
	Conduct business with any USDA web site			Conduct business with any other federal government web site		
	2007	2009	2011	2007	2009	2011
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	
Alabama .....	2	3	1	2	2	1
Arizona <sup>1</sup> .....	6	2	6	1	2	2
Arkansas .....	2	2	2	1	4	3
California .....	6	7	8	5	5	7
Colorado .....	6	2	9	3	5	10
Florida .....	4	4	6	2	4	7
Georgia .....	3	3	6	1	2	6
Idaho .....	3	9	4	4	10	7
Illinois .....	7	4	6	4	4	4
Indiana .....	5	6	4	3	4	4
Iowa .....	5	6	7	2	3	7
Kansas .....	3	6	5	3	4	3
Kentucky .....	2	4	1	1	3	2
Louisiana .....	2	2	4	1	3	4
Maryland <sup>2</sup> .....	5	2	5	4	10	5
Michigan .....	6	4	3	2	4	2
Minnesota .....	5	7	6	3	5	4
Mississippi .....	3	3	3	3	2	3
Missouri .....	2	3	3	3	2	2
Montana .....	3	6	7	3	4	7
Nebraska .....	4	4	7	2	4	6
New Hampshire <sup>3</sup> .....	3	9	9	7	9	12
New Jersey .....	6	9	13	3	4	12
New Mexico .....	1	7	5	1	7	4
New York .....	1	3	3	4	1	1
North Carolina .....	5	5	6	4	5	5
North Dakota .....	5	6	6	3	6	4
Ohio .....	3	5	3	2	3	2
Oklahoma .....	4	6	5	5	6	4
Oregon .....	5	7	10	4	7	7
Pennsylvania .....	2	3	3	3	4	6
South Carolina .....	2	2	5	1	(Z)	3
South Dakota .....	4	4	6	3	3	5
Tennessee .....	2	4	3	1	5	3
Texas .....	4	3	4	4	4	4
Utah .....	5	9	7	5	4	4
Virginia .....	2	7	2	2	3	2
Washington .....	7	9	7	11	11	10
West Virginia .....	1	2	4	1	(Z)	6
Wisconsin .....	3	5	5	3	4	4
Wyoming .....	5	6	6	6	4	5
United States <sup>4</sup> .....	4	5	5	3	4	4

(Z) Less than half of the unit shown.

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Conducting Business on the Internet - State and United States: 2007, 2009, and 2011

State	Farms		
	Conduct business with any non-agricultural web site		
	2007	2009	2011
	(percent)	(percent)	(percent)
Alabama .....	14	24	22
Arizona <sup>1</sup> .....	24	10	34
Arkansas .....	18	27	22
California .....	32	37	38
Colorado .....	27	33	53
Florida .....	32	37	51
Georgia .....	17	13	23
Idaho .....	49	52	54
Illinois .....	30	36	44
Indiana .....	38	42	32
Iowa .....	28	33	38
Kansas .....	31	32	34
Kentucky .....	13	23	16
Louisiana .....	24	21	35
Maryland <sup>2</sup> .....	38	33	35
Michigan .....	36	36	30
Minnesota .....	33	39	36
Mississippi .....	17	22	24
Missouri .....	22	23	25
Montana .....	38	48	56
Nebraska .....	31	40	38
New Hampshire <sup>3</sup> .....	41	56	45
New Jersey .....	41	54	51
New Mexico .....	21	26	35
New York .....	27	47	33
North Carolina .....	25	35	38
North Dakota .....	34	37	38
Ohio .....	20	26	26
Oklahoma .....	27	30	32
Oregon .....	31	51	58
Pennsylvania .....	24	30	34
South Carolina .....	22	13	14
South Dakota .....	28	40	38
Tennessee .....	18	22	26
Texas .....	28	29	34
Utah .....	36	42	57
Virginia .....	26	32	32
Washington .....	45	56	51
West Virginia .....	30	26	28
Wisconsin .....	36	41	43
Wyoming .....	46	36	50
United States <sup>4</sup> .....	28	33	35

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Primary Method of Internet Access - State and United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet]

State	Dialup			DSL			Cable		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	55	37	24	23	28	49	10	13	10
Arizona <sup>1</sup> .....	47	36	22	17	17	20	7	10	17
Arkansas .....	56	17	7	22	45	43	4	11	11
California .....	36	11	2	21	32	43	12	21	9
Colorado .....	36	12	12	16	14	11	5	7	8
Florida .....	28	21	15	50	54	36	11	4	15
Georgia .....	27	17	11	56	52	61	9	21	8
Idaho .....	42	18	11	24	37	39	3	2	7
Illinois .....	46	20	9	20	22	31	4	6	8
Indiana .....	54	26	20	19	28	25	7	8	6
Iowa .....	45	19	10	30	43	36	4	5	7
Kansas .....	41	14	5	30	35	35	9	11	16
Kentucky .....	40	29	16	32	40	50	8	6	10
Louisiana .....	53	22	15	23	42	37	8	12	9
Maryland <sup>2</sup> .....	52	25	11	25	24	23	10	23	22
Michigan .....	60	29	24	20	27	26	11	13	13
Minnesota .....	45	22	12	30	44	42	2	3	4
Mississippi .....	57	35	16	22	35	35	5	6	12
Missouri .....	55	33	16	31	34	37	2	5	5
Montana .....	43	17	6	34	40	54	2	1	7
Nebraska .....	34	14	8	33	43	34	4	3	5
New Hampshire <sup>3</sup> .....	33	15	6	31	24	37	26	46	29
New Jersey .....	22	11	7	35	40	31	30	37	49
New Mexico .....	28	21	15	41	32	38	3	3	14
New York .....	44	29	15	18	31	51	21	23	15
North Carolina .....	40	20	7	35	53	58	11	11	14
North Dakota .....	35	14	4	40	55	49	8	7	13
Ohio .....	52	34	15	20	29	26	10	13	25
Oklahoma .....	41	22	9	30	41	39	5	5	6
Oregon .....	52	26	9	15	23	32	13	9	10
Pennsylvania .....	54	27	8	31	37	52	6	21	24
South Carolina .....	55	26	15	29	31	37	6	26	18
South Dakota .....	38	13	9	35	45	39	3	11	9
Tennessee .....	62	21	13	13	34	38	8	23	17
Texas .....	52	26	12	24	34	33	4	7	11
Utah .....	31	4	4	27	60	40	6	16	13
Virginia .....	65	39	16	17	20	32	8	9	9
Washington .....	34	24	12	38	29	32	8	9	17
West Virginia .....	53	32	15	19	37	37	11	7	9
Wisconsin .....	52	28	12	32	41	51	3	8	8
Wyoming .....	55	20	10	23	32	18	5	5	4
United States <sup>4</sup> .....	47	23	12	27	36	38	7	11	11

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

## Primary Method of Internet Access - State and United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet.]

State	Satellite			Wireless			Other/ unknown		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama .....	7	11	7	1	7	6	4	4	4
Arizona <sup>1</sup> .....	21	20	18	5	8	11	3	9	12
Arkansas .....	11	13	19	2	10	14	5	4	6
California .....	11	13	11	13	19	26	7	4	9
Colorado .....	14	32	23	15	28	40	14	7	6
Florida .....	5	18	9	3	3	15	3	(Z)	10
Georgia .....	5	5	5	-	2	14	3	3	1
Idaho .....	10	21	17	14	16	22	7	6	4
Illinois .....	9	16	19	17	31	31	4	5	2
Indiana .....	8	14	16	10	22	26	2	2	7
Iowa .....	7	12	11	8	12	28	6	9	8
Kansas .....	10	22	22	9	15	20	1	3	2
Kentucky .....	12	6	11	3	8	7	5	11	6
Louisiana .....	9	12	13	2	10	19	5	2	7
Maryland <sup>2</sup> .....	3	8	10	2	12	30	8	8	4
Michigan .....	1	6	8	6	20	25	2	5	4
Minnesota .....	5	9	11	15	18	25	3	4	6
Mississippi .....	10	15	21	1	5	10	5	4	6
Missouri .....	5	14	17	3	10	22	4	4	3
Montana .....	12	28	18	8	11	14	1	3	1
Nebraska .....	10	15	15	13	22	36	6	3	2
New Hampshire <sup>3</sup> ..	3	9	12	1	1	10	6	5	6
New Jersey .....	5	3	4	-	4	5	8	5	4
New Mexico .....	3	20	13	21	16	16	4	8	4
New York .....	4	3	5	4	6	10	9	8	4
North Carolina .....	7	5	7	3	8	11	4	3	3
North Dakota .....	9	11	13	6	11	16	2	2	5
Ohio .....	6	9	7	7	12	25	5	3	2
Oklahoma .....	10	17	24	10	13	19	4	2	3
Oregon .....	5	17	17	11	23	26	4	2	6
Pennsylvania .....	1	5	4	1	5	9	7	5	3
South Carolina .....	5	7	9	1	8	18	4	2	3
South Dakota .....	4	9	9	14	19	29	6	3	5
Tennessee .....	3	11	11	1	7	15	13	4	6
Texas .....	9	17	21	8	13	19	3	3	4
Utah .....	12	6	20	10	11	15	14	3	8
Virginia .....	7	15	24	3	12	15	-	5	4
Washington .....	11	15	15	5	20	16	4	3	8
West Virginia .....	6	16	18	1	4	16	10	4	5
Wisconsin .....	4	8	10	3	11	17	6	4	2
Wyoming .....	9	28	36	7	12	32	1	3	-
United States <sup>4</sup> .....	7	13	15	7	13	20	5	4	4

- Represents zero.

(Z) Less than half of the unit shown.

<sup>1</sup> Includes Arizona and Nevada.

<sup>2</sup> Includes Delaware and Maryland.

<sup>3</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>4</sup> Excludes Alaska and Hawaii.

# Farm Computer Usage by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Region	Farms					
	With computer access			That own or lease computers		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup> .....	66	67	68	62	63	65
\$1,000 to \$9,999 .....	65	67	68	62	63	64
\$10,000 to \$99,999 .....	62	67	69	58	62	67
\$100,000 or more .....	67	66	69	65	64	65
\$100,000 to \$249,999 .....	59	56	60	58	55	56
\$250,000 or more .....	75	76	80	71	72	76
Crop farms .....	65	66	69	60	60	67
Livestock farms .....	67	67	68	64	65	64
North Central <sup>2</sup> .....	66	66	66	62	64	64
\$1,000 to \$9,999 .....	62	63	62	59	60	59
\$10,000 to \$99,999 .....	61	60	62	55	58	61
\$100,000 or more .....	78	77	78	74	75	77
\$100,000 to \$249,999 .....	70	70	71	67	68	70
\$250,000 or more .....	83	81	82	80	80	81
Crop farms .....	66	68	68	62	65	66
Livestock farms .....	66	65	64	62	62	61
South <sup>3</sup> .....	59	60	61	55	57	59
\$1,000 to \$9,999 .....	55	57	58	53	54	56
\$10,000 to \$99,999 .....	59	61	63	54	57	60
\$100,000 or more .....	75	75	75	71	72	72
\$100,000 to \$249,999 .....	68	70	67	64	66	63
\$250,000 or more .....	78	78	80	75	75	77
Crop farms .....	58	59	62	54	56	60
Livestock farms .....	59	60	61	55	57	59
West <sup>4</sup> .....	72	71	74	69	69	72
\$1,000 to \$9,999 .....	68	67	70	65	66	68
\$10,000 to \$99,999 .....	72	69	74	69	66	74
\$100,000 or more .....	83	82	85	80	79	84
\$100,000 to \$249,999 .....	79	81	79	74	78	77
\$250,000 or more .....	85	82	90	83	80	89
Crop farms .....	69	69	74	67	67	72
Livestock farms .....	74	72	74	70	71	72
United States <sup>5</sup> .....	64	64	65	60	61	63
\$1,000 to \$9,999 .....	60	60	61	57	57	59
\$10,000 to \$99,999 .....	64	62	63	59	59	62
\$100,000 or more .....	75	76	77	68	75	77
\$100,000 to \$249,999 .....	68	70	68	68	67	68
\$250,000 or more .....	81	81	84	79	79	83
Crop farms .....	64	65	67	61	62	65
Livestock farms .....	64	63	63	60	60	62

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.



# Farm Computer Usage by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Region	Farms					
	Using computers for farm business			With Internet access		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup> .....	37	37	42	58	61	66
\$1,000 to \$9,999 .....	27	32	36	59	61	65
\$10,000 to \$99,999 .....	45	42	45	58	62	67
\$100,000 or more .....	52	51	58	58	57	62
\$100,000 to \$249,999 .....	40	37	42	49	46	49
\$250,000 or more .....	63	64	75	67	68	75
Crop farms .....	37	35	42	57	59	67
Livestock farms .....	37	38	42	60	62	63
North Central <sup>2</sup> .....	38	42	41	59	60	62
\$1,000 to \$9,999 .....	24	27	25	54	56	58
\$10,000 to \$99,999 .....	36	40	41	54	55	56
\$100,000 or more .....	60	63	64	73	71	74
\$100,000 to \$249,999 .....	52	54	53	64	63	67
\$250,000 or more .....	69	70	71	79	77	79
Crop farms .....	39	45	44	58	62	63
Livestock farms .....	35	37	36	61	58	59
South <sup>3</sup> .....	30	29	31	52	55	58
\$1,000 to \$9,999 .....	24	22	25	50	52	55
\$10,000 to \$99,999 .....	33	35	36	51	56	59
\$100,000 or more .....	55	58	55	66	69	70
\$100,000 to \$249,999 .....	48	50	43	60	65	62
\$250,000 or more .....	61	65	66	70	72	75
Crop farms .....	30	29	32	50	54	59
Livestock farms .....	30	29	30	53	55	58
West <sup>4</sup> .....	44	42	44	64	66	70
\$1,000 to \$9,999 .....	36	32	31	61	64	65
\$10,000 to \$99,999 .....	46	41	54	63	63	72
\$100,000 or more .....	61	67	71	77	75	84
\$100,000 to \$249,999 .....	52	61	62	71	72	76
\$250,000 or more .....	68	71	79	81	78	89
Crop farms .....	43	44	49	63	66	70
Livestock farms .....	44	41	40	66	66	70
United States <sup>5</sup> .....	35	36	37	57	59	62
\$1,000 to \$9,999 .....	25	25	27	52	56	58
\$10,000 to \$99,999 .....	36	38	41	55	57	60
\$100,000 or more .....	59	61	63	71	70	76
\$100,000 to \$249,999 .....	51	52	52	63	63	67
\$250,000 or more .....	66	69	72	76	76	82
Crop farms .....	37	40	41	56	60	64
Livestock farms .....	33	33	34	57	58	61

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

## Use of Internet by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year. 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.]

Region	Farms					
	Purchase agricultural inputs over Internet			Conduct agricultural marketing activities over Internet		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup> .....	17	19	22	10	11	10
\$1,000 to \$9,999 .....	14	18	19	5	6	8
\$10,000 to \$99,999 .....	20	17	26	11	13	13
\$100,000 or more .....	22	27	28	22	22	16
\$100,000 to \$249,999 .....	24	19	17	16	15	11
\$250,000 or more .....	20	37	40	30	32	22
Crop farms .....	16	20	23	8	10	10
Livestock farms .....	18	19	21	12	11	10
North Central <sup>2</sup> .....	10	12	13	11	14	15
\$1,000 to \$9,999 .....	7	9	9	5	6	6
\$10,000 to \$99,999 .....	9	11	12	11	12	13
\$100,000 or more .....	16	17	21	22	27	29
\$100,000 to \$249,999 .....	14	13	15	18	19	22
\$250,000 or more .....	19	21	25	25	32	33
Crop farms .....	10	12	13	13	16	17
Livestock farms .....	11	13	14	9	12	11
South <sup>3</sup> .....	10	11	13	7	8	9
\$1,000 to \$9,999 .....	8	9	10	5	5	6
\$10,000 to \$99,999 .....	11	11	14	10	11	12
\$100,000 or more .....	20	22	25	18	24	24
\$100,000 to \$249,999 .....	16	19	21	14	21	17
\$250,000 or more .....	23	25	29	21	26	30
Crop farms .....	10	10	12	8	9	10
Livestock farms .....	10	11	13	7	8	9
West <sup>4</sup> .....	16	16	17	11	13	13
\$1,000 to \$9,999 .....	14	13	13	7	8	7
\$10,000 to \$99,999 .....	15	14	21	11	15	19
\$100,000 or more .....	21	23	26	21	24	23
\$100,000 to \$249,999 .....	17	17	20	17	17	19
\$250,000 or more .....	24	28	31	24	29	28
Crop farms .....	14	15	18	10	15	13
Livestock farms .....	17	16	17	12	12	13
United States <sup>5</sup> .....	11	13	14	10	11	12
\$1,000 to \$9,999 .....	9	10	11	5	6	7
\$10,000 to \$99,999 .....	11	12	15	10	12	13
\$100,000 or more .....	18	20	23	20	25	26
\$100,000 to \$249,999 .....	15	15	17	16	19	20
\$250,000 or more .....	21	24	28	24	31	31
Crop farms .....	11	12	14	10	14	14
Livestock farms .....	12	13	14	9	10	10

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

## Internet Access of Reports, Services, and Web sites by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year. Reference period for access and usage of USDA reports, research information, and services is the last 12 months prior to June 1 of survey year]

Region	Farms								
	Access USDA/NASS reports over Internet			Access other USDA reports/services over Internet			Access other federal government web sites over Internet		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup>	5	7	6	10	13	13	14	21	18
\$1,000 to \$9,999	3	6	5	8	11	10	14	21	17
\$10,000 to \$99,999	6	7	9	11	13	13	13	22	19
\$100,000 or more	7	10	9	14	19	21	15	19	23
\$100,000 to \$249,999	3	7	10	15	13	14	11	13	17
\$250,000 or more	11	13	9	13	27	27	20	27	29
Crop farms	6	8	7	11	14	16	15	21	20
Livestock farms	4	6	6	9	12	10	13	21	17
North Central <sup>2</sup>	8	9	10	13	14	15	12	13	13
\$1,000 to \$9,999	3	4	4	6	7	7	8	9	10
\$10,000 to \$99,999	7	8	9	12	12	14	11	12	12
\$100,000 or more	15	16	18	25	25	28	19	18	21
\$100,000 to \$249,999	13	12	14	20	19	21	16	14	16
\$250,000 or more	17	19	21	29	29	33	22	21	24
Crop farms	9	10	11	15	16	18	12	14	15
Livestock farms	5	6	7	11	10	11	12	12	11
South <sup>3</sup>	4	5	5	8	9	10	11	10	11
\$1,000 to \$9,999	3	3	3	6	6	7	9	9	9
\$10,000 to \$99,999	5	7	6	10	11	12	11	11	12
\$100,000 or more	11	12	12	19	21	23	20	19	21
\$100,000 to \$249,999	10	11	7	16	18	17	17	18	17
\$250,000 or more	13	13	17	23	24	29	22	19	23
Crop farms	5	5	6	10	10	11	12	11	12
Livestock farms	4	5	4	8	8	10	10	10	11
West <sup>4</sup>	6	8	8	12	14	17	14	18	21
\$1,000 to \$9,999	3	4	4	7	9	11	11	16	18
\$10,000 to \$99,999	6	6	10	13	12	20	14	15	24
\$100,000 or more	14	18	16	22	26	30	22	26	28
\$100,000 to \$249,999	11	10	12	17	15	26	17	19	23
\$250,000 or more	16	25	20	26	35	34	26	32	32
Crop farms	8	11	11	13	18	21	16	20	25
Livestock farms	5	5	6	11	9	13	13	16	19
United States <sup>5</sup>	6	7	7	11	12	13	12	13	14
\$1,000 to \$9,999	3	4	4	6	7	8	10	11	11
\$10,000 to \$99,999	6	7	8	11	12	14	11	13	14
\$100,000 or more	13	15	16	22	24	27	19	20	22
\$100,000 to \$249,999	11	11	12	18	18	20	15	16	18
\$250,000 or more	15	18	20	26	29	32	22	23	25
Crop farms	8	9	9	13	15	16	13	15	16
Livestock farms	4	5	5	9	9	11	11	12	13

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

# Conducting Business on the Internet by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Region	Farms					
	Conduct business with any USDA web site			Conduct business with any other federal government web site		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup>	2	5	5	4	5	6
\$1,000 to \$9,999	1	4	3	3	5	7
\$10,000 to \$99,999	3	7	7	4	3	6
\$100,000 or more	3	6	9	7	6	7
\$100,000 to \$249,999	2	3	6	2	4	2
\$250,000 or more	4	10	13	14	7	12
Crop farms	3	6	6	4	4	6
Livestock farms	2	4	4	4	5	7
North Central <sup>2</sup>	4	5	5	3	4	4
\$1,000 to \$9,999	1	2	2	1	2	2
\$10,000 to \$99,999	3	5	4	3	4	3
\$100,000 or more	10	9	10	5	6	8
\$100,000 to \$249,999	8	6	8	4	4	5
\$250,000 or more	12	10	12	6	7	9
Crop farms	5	6	6	3	4	5
Livestock farms	3	4	3	2	3	2
South <sup>3</sup>	3	4	4	3	4	4
\$1,000 to \$9,999	2	3	2	2	3	2
\$10,000 to \$99,999	4	4	4	3	4	4
\$100,000 or more	8	9	11	6	7	11
\$100,000 to \$249,999	6	7	7	4	4	8
\$250,000 or more	9	10	14	7	9	14
Crop farms	4	5	4	3	4	4
Livestock farms	3	3	3	3	4	3
West <sup>4</sup>	5	7	7	5	6	7
\$1,000 to \$9,999	2	4	5	3	5	5
\$10,000 to \$99,999	5	5	8	6	4	7
\$100,000 or more	11	13	13	8	11	11
\$100,000 to \$249,999	8	9	11	4	7	9
\$250,000 or more	14	16	15	11	14	13
Crop farms	7	9	9	6	7	7
Livestock farms	4	5	6	3	5	6
United States <sup>5</sup>	4	5	5	3	4	4
\$1,000 to \$9,999	2	3	3	2	3	3
\$10,000 to \$99,999	4	5	5	4	4	4
\$100,000 or more	9	9	11	6	7	9
\$100,000 to \$249,999	7	7	8	4	5	6
\$250,000 or more	11	11	13	8	9	11
Crop farms	5	6	6	4	5	5
Livestock farms	3	4	4	3	4	4

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

# Conducting Business on the Internet by Economic Class, Type of Farm - Region and United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Region	Farms		
	Conduct business with any non-agricultural web site		
	2007	2009	2011
	(percent)	(percent)	(percent)
Northeast <sup>1</sup> .....	30	41	37
\$1,000 to \$9,999 .....	28	42	37
\$10,000 to \$99,999 .....	31	44	37
\$100,000 or more .....	34	34	40
\$100,000 to \$249,999 .....	28	26	29
\$250,000 or more .....	41	45	51
Crop farms .....	30	41	39
Livestock farms .....	29	41	36
North Central <sup>2</sup> .....	30	35	35
\$1,000 to \$9,999 .....	28	32	30
\$10,000 to \$99,999 .....	26	30	32
\$100,000 or more .....	39	42	44
\$100,000 to \$249,999 .....	32	35	37
\$250,000 or more .....	46	48	50
Crop farms .....	31	36	36
Livestock farms .....	29	32	32
South <sup>3</sup> .....	23	27	30
\$1,000 to \$9,999 .....	21	25	27
\$10,000 to \$99,999 .....	23	27	31
\$100,000 or more .....	35	36	40
\$100,000 to \$249,999 .....	33	33	33
\$250,000 or more .....	37	39	46
Crop farms .....	23	27	29
Livestock farms .....	24	27	30
West <sup>4</sup> .....	35	41	48
\$1,000 to \$9,999 .....	32	42	46
\$10,000 to \$99,999 .....	32	37	49
\$100,000 or more .....	44	45	53
\$100,000 to \$249,999 .....	36	36	45
\$250,000 or more .....	50	52	60
Crop farms .....	34	40	49
Livestock farms .....	35	42	47
United States <sup>5</sup> .....	28	33	35
\$1,000 to \$9,999 .....	25	31	32
\$10,000 to \$99,999 .....	26	31	34
\$100,000 or more .....	38	41	45
\$100,000 to \$249,999 .....	32	34	37
\$250,000 or more .....	44	47	51
Crop farms .....	29	35	37
Livestock farms .....	27	31	33

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

# Primary Method of Internet Access by Economic Class - Region and United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet. Economic class refers to sales and government payments received during the previous year]

Region	Dialup			DSL			Cable		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup>	43	23	9	29	32	47	17	30	25
\$1,000 to \$9,999	46	25	9	27	30	50	19	32	26
\$10,000 to \$99,999	46	15	10	26	33	46	15	29	23
\$100,000 or more	34	25	8	39	39	35	12	22	23
\$100,000 to \$249,999	46	29	12	36	37	46	6	22	13
\$250,000 or more	21	22	6	42	40	29	20	23	29
Crop farms	38	22	9	25	30	48	27	36	27
Livestock farms	48	23	9	32	34	46	8	26	23
North Central <sup>2</sup>	48	23	13	28	37	36	5	7	9
\$1,000 to \$9,999	52	27	16	28	38	36	5	7	11
\$10,000 to \$99,999	49	23	12	28	36	36	7	9	10
\$100,000 or more	41	18	8	29	37	37	3	5	7
\$100,000 to \$249,999	46	24	11	28	35	37	3	6	7
\$250,000 or more	37	15	7	31	38	36	3	5	7
Crop farms	45	20	10	28	37	37	6	7	10
Livestock farms	52	27	15	27	37	35	4	7	8
South <sup>3</sup>	49	26	13	27	37	39	7	10	11
\$1,000 to \$9,999	51	27	13	26	36	39	7	10	11
\$10,000 to \$99,999	48	25	15	28	38	40	7	11	11
\$100,000 or more	43	19	10	32	41	42	7	8	10
\$100,000 to \$249,999	43	22	11	34	43	41	6	7	11
\$250,000 or more	43	17	9	30	40	42	7	9	10
Crop farms	45	22	11	31	42	40	7	10	11
Livestock farms	51	28	13	26	35	39	7	10	11
West <sup>4</sup>	40	17	9	25	31	34	8	11	11
\$1,000 to \$9,999	41	17	10	24	29	34	8	14	13
\$10,000 to \$99,999	44	17	12	25	37	35	7	10	6
\$100,000 or more	32	17	6	26	28	35	9	6	8
\$100,000 to \$249,999	38	23	4	27	30	33	7	7	9
\$250,000 or more	28	13	8	25	26	36	11	5	8
Crop farms	35	17	6	25	33	35	7	7	10
Livestock farms	44	18	11	24	28	34	8	14	11
United States <sup>5</sup>	47	23	12	27	36	38	7	11	11
\$1,000 to \$9,999	49	25	13	27	35	38	7	12	13
\$10,000 to \$99,999	48	23	13	27	37	38	8	11	11
\$100,000 or more	40	19	8	30	36	37	5	7	9
\$100,000 to \$249,999	44	24	10	30	36	37	4	7	8
\$250,000 or more	36	15	7	30	37	37	6	7	9
Crop farms	44	20	10	27	37	38	8	10	12
Livestock farms	50	26	13	27	35	38	6	11	11

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

# Primary Method of Internet Access by Economic Class - Region and United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet. Economic class refers to sales and government payments received during the previous year]

Region	Satellite			Wireless			Other/ Unknown		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast <sup>1</sup> .....	3	5	6	1	4	9	7	6	4
\$1,000 to \$9,999 .....	3	5	3	(Z)	3	8	5	5	4
\$10,000 to \$99,999 .....	2	7	11	2	5	8	9	11	2
\$100,000 or more .....	2	5	12	3	6	15	10	3	7
\$100,000 to \$249,999 ....	3	4	9	2	7	17	7	1	3
\$250,000 or more .....	2	5	14	3	5	14	12	5	8
Crop farms .....	2	2	3	2	4	8	6	6	5
Livestock farms .....	3	8	9	1	3	10	8	6	3
North Central <sup>2</sup> .....	6	12	13	9	17	25	4	4	4
\$1,000 to \$9,999 .....	5	10	12	6	15	21	4	3	4
\$10,000 to \$99,999 .....	5	12	13	7	14	25	4	6	4
\$100,000 or more .....	9	15	14	14	21	30	4	4	4
\$100,000 to \$249,999 ....	8	13	12	11	19	28	4	3	5
\$250,000 or more .....	10	16	16	16	22	31	3	4	3
Crop farms .....	6	13	12	11	18	27	4	5	4
Livestock farms .....	7	11	15	7	14	23	3	4	4
South <sup>3</sup> .....	8	13	17	4	10	16	5	4	4
\$1,000 to \$9,999 .....	8	13	18	4	10	15	4	4	4
\$10,000 to \$99,999 .....	7	15	15	5	8	15	5	3	4
\$100,000 or more .....	7	14	15	5	14	18	6	4	5
\$100,000 to \$249,999 ....	7	13	16	4	12	17	6	3	4
\$250,000 or more .....	8	15	15	6	15	19	6	4	5
Crop farms .....	6	14	14	5	9	18	6	3	6
Livestock farms .....	8	13	18	4	10	15	4	4	4
West <sup>4</sup> .....	10	19	17	11	18	23	6	4	6
\$1,000 to \$9,999 .....	9	17	16	10	19	21	8	4	6
\$10,000 to \$99,999 .....	10	16	17	11	16	25	3	4	5
\$100,000 or more .....	13	26	19	13	19	24	7	4	8
\$100,000 to \$249,999 ....	10	22	18	10	15	25	8	3	11
\$250,000 or more .....	14	30	19	16	21	23	6	5	6
Crop farms .....	12	21	18	15	18	23	6	4	8
Livestock farms .....	9	17	17	8	19	22	7	4	5
United States <sup>5</sup> .....	7	13	15	7	13	20	5	4	4
\$1,000 to \$9,999 .....	7	12	14	5	12	17	5	4	5
\$10,000 to \$99,999 .....	6	13	14	7	11	20	4	5	4
\$100,000 or more .....	9	16	15	11	18	26	5	4	5
\$100,000 to \$249,999 ....	8	14	14	9	16	25	5	3	6
\$250,000 or more .....	10	18	16	13	19	26	5	4	5
Crop farms .....	7	14	13	9	15	22	5	4	5
Livestock farms .....	7	13	16	5	11	18	5	4	4

(Z) Less than half of the unit shown.

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

<sup>2</sup> Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

<sup>3</sup> Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

<sup>4</sup> Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>5</sup> Excludes Alaska and Hawaii.

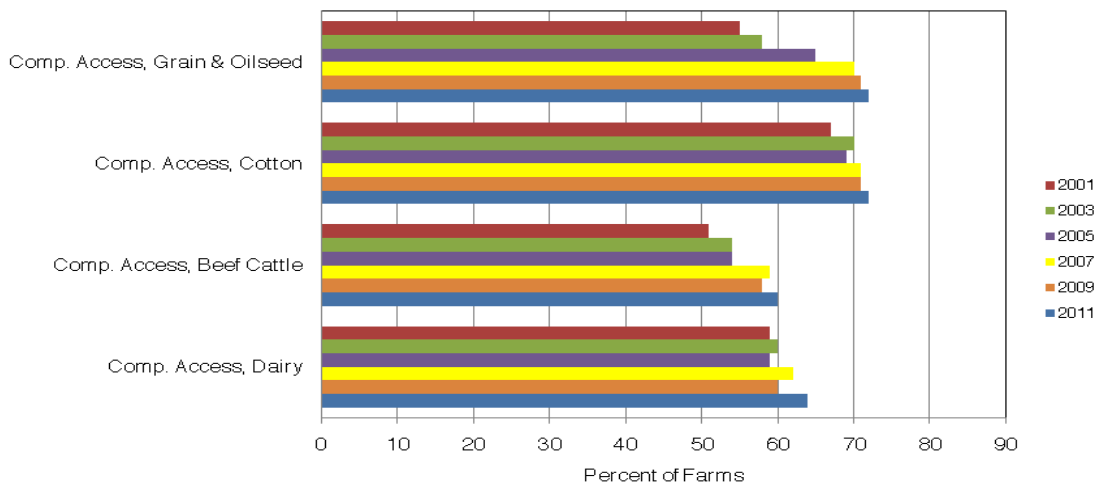
## Farm Computer Usage by Economic Class, Type of Farm - United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Type of farm	Farms					
	With computer access			That own or lease computers		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms .....	70	71	72	67	68	71
\$1,000 to \$249,999 .....	64	65	66	60	62	65
\$250,000 or more .....	85	82	86	84	81	83
Cotton farms .....	71	71	72	68	69	70
\$1,000 to \$249,999 .....	60	69	69	59	68	68
\$250,000 or more .....	81	78	78	80	77	77
Beef cattle farms .....	59	58	60	56	55	58
\$1,000 to \$249,999 .....	58	58	59	54	55	58
\$250,000 or more .....	80	77	81	78	75	80
Dairy farms .....	62	60	64	59	57	63
\$1,000 to \$249,999 .....	51	48	52	48	45	51
\$250,000 or more .....	76	81	83	74	79	81
Crop farms .....	64	65	67	61	62	65
\$1,000 to \$249,999 .....	62	62	63	56	58	61
\$250,000 or more .....	83	82	84	84	80	83
Livestock farms .....	64	63	63	60	60	62
\$1,000 to \$249,999 .....	63	62	62	59	59	60
\$250,000 or more .....	78	77	82	74	75	81
All farms <sup>1</sup> .....	64	64	65	60	61	63
\$1,000 to \$249,999 .....	62	62	62	58	59	62
\$250,000 or more .....	81	81	84	79	79	83

<sup>1</sup> Excludes Alaska and Hawaii.

### Computer Access – By Type of Farm - United States: 2001-2011





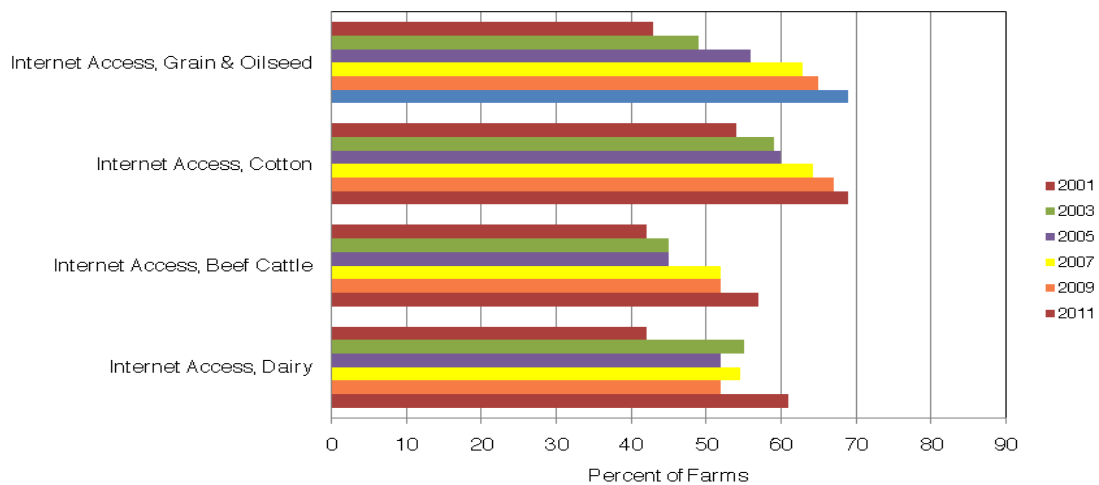
## Farm Computer Usage by Economic Class, Type of Farm - United States: 2007, 2009, and 2011

[Economic class refers to sales and government payments received during the previous year]

Type of farm	Farms					
	Using computers for farm business			With Internet access		
	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms .....	48	52	53	63	65	69
\$1,000 to \$249,999 .....	42	43	43	56	58	63
\$250,000 or more .....	69	71	72	81	79	82
Cotton farms .....	49	50	54	64	67	68
\$1,000 to \$249,999 .....	37	46	45	53	59	62
\$250,000 or more .....	62	56	61	75	72	73
Beef cattle farms .....	30	30	32	52	52	57
\$1,000 to \$249,999 .....	29	29	31	51	51	56
\$250,000 or more .....	56	58	67	73	70	79
Dairy farms .....	44	45	49	55	52	61
\$1,000 to \$249,999 .....	32	30	35	44	41	49
\$250,000 or more .....	67	69	71	70	77	79
Crop farms .....	37	40	41	56	60	64
\$1,000 to \$249,999 .....	31	33	34	52	56	60
\$250,000 or more .....	69	71	73	80	77	83
Livestock farms .....	33	33	34	57	58	61
\$1,000 to \$249,999 .....	31	32	32	56	56	59
\$250,000 or more .....	61	64	69	71	72	79
All farms <sup>1</sup> .....	35	36	37	57	59	62
\$1,000 to \$249,999 .....	32	32	33	54	56	60
\$250,000 or more .....	66	69	72	76	76	82

<sup>1</sup> Excludes Alaska and Hawaii.

### Internet Access – By Type of Farm - United States: 2001-2011



## Primary Method of Internet Access by Economic Class, Type of Farm - United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet. Economic class refers to sales and government payments received during the previous year.]

Type of farm	Dialup			DSL			Cable		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms .....	44	19	9	27	36	35	6	7	10
\$1,000 to \$249,999 .....	48	23	10	26	36	36	7	8	12
\$250,000 or more .....	34	14	6	30	37	35	5	5	7
Cotton farms .....	39	16	9	28	30	38	8	16	8
\$1,000 to \$249,999 .....	42	13	6	30	29	37	9	23	8
\$250,000 or more .....	38	19	12	27	32	38	8	7	8
Beef cattle farms .....	52	28	15	28	36	37	4	8	12
\$1,000 to \$249,999 .....	53	29	15	27	36	37	4	8	12
\$250,000 or more .....	41	15	12	30	41	37	4	4	6
Dairy farms .....	53	32	12	24	31	41	6	11	7
\$1,000 to \$249,999 .....	57	37	14	23	30	46	4	10	6
\$250,000 or more .....	47	28	9	26	33	37	7	11	8
Crop farms .....	44	20	10	27	37	38	8	10	12
\$1,000 to \$249,999 .....	46	22	11	27	37	38	8	11	13
\$250,000 or more .....	33	13	6	30	37	37	7	7	9
Livestock farms .....	50	26	13	27	35	38	6	11	11
\$1,000 to \$249,999 .....	51	26	13	26	35	38	6	11	11
\$250,000 or more .....	43	19	10	28	37	36	6	7	8
All farms <sup>1</sup> .....	47	23	12	27	36	38	7	11	11
\$1,000 to \$249,999 .....	48	24	12	27	36	38	7	11	12
\$250,000 or more .....	36	15	7	30	37	37	6	7	9

<sup>1</sup> Excludes Alaska and Hawaii.

## Primary Method of Internet Access by Economic Class, Type of Farm - United States: 2007, 2009, and 2011

[Primary method of internet access for those operators who have access to the internet. Economic class refers to sales and government payments received during the previous year.]

Type of farm	Satellite			Wireless			Other/ unknown		
	2007	2009	2011	2007	2009	2011	2007	2009	2011
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms .....	8	14	14	11	19	28	4	5	4
\$1,000 to \$249,999 .....	6	12	12	9	16	26	4	5	4
\$250,000 or more .....	10	18	17	17	22	31	4	4	4
Cotton farms .....	9	15	18	12	19	24	4	4	3
\$1,000 to \$249,999 .....	6	17	19	10	14	25	3	4	5
\$250,000 or more .....	11	14	17	12	25	23	4	3	2
Beef cattle farms .....	7	14	16	4	10	16	5	4	4
\$1,000 to \$249,999 .....	7	13	16	4	10	16	5	4	4
\$250,000 or more .....	10	17	21	9	17	19	6	6	5
Dairy farms .....	4	11	14	7	12	23	6	3	3
\$1,000 to \$249,999 .....	4	10	14	6	9	19	6	4	1
\$250,000 or more .....	5	11	14	9	15	27	6	2	5
Crop farms .....	7	14	13	9	15	22	5	4	5
\$1,000 to \$249,999 .....	6	12	12	8	14	21	5	4	5
\$250,000 or more .....	10	18	15	15	21	28	5	4	5
Livestock farms .....	7	13	16	5	11	18	5	4	4
\$1,000 to \$249,999 .....	7	13	16	5	11	18	5	4	4
\$250,000 or more .....	9	17	19	9	16	23	5	4	4
All farms <sup>1</sup> .....	7	13	15	7	13	20	5	4	4
\$1,000 to \$249,999 .....	7	13	14	6	12	20	5	4	4
\$250,000 or more .....	10	18	16	13	19	26	5	4	5

<sup>1</sup> 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 State and United States" from the February 2011 NASS publication "Farms, Land in Farms, and Livestock Operations" 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 by State and United States: 2007, 2009, and 2010

[2011 number of farms not available until February 2012]

State	2007 (number)	2009 (number)	2010 (number)
Alabama .....	48,800	48,500	48,500
Arizona .....	15,600	15,500	15,500
Arkansas .....	49,300	49,100	49,300
California .....	81,000	81,500	81,700
Colorado .....	36,900	36,200	36,100
Delaware .....	2,550	2,480	2,480
Florida .....	47,500	47,500	47,500
Georgia .....	47,900	47,600	47,400
Idaho .....	25,400	25,500	25,700
Illinois .....	76,900	75,800	76,000
Indiana .....	61,000	61,500	62,000
Iowa .....	92,800	92,600	92,400
Kansas .....	65,500	65,500	65,500
Kentucky .....	85,300	85,500	85,700
Louisiana .....	30,000	30,000	30,000
Maryland .....	12,850	12,800	12,800
Michigan .....	56,000	54,800	54,900
Minnesota .....	81,000	81,000	81,000
Mississippi .....	42,000	42,300	42,400
Missouri .....	107,800	108,000	108,000
Montana .....	29,500	29,800	29,400
Nebraska .....	47,700	47,200	47,200
Nevada .....	3,100	3,080	3,100
New Hampshire <sup>1</sup> .....	33,070	33,070	33,070
New Jersey .....	10,300	10,300	10,300
New Mexico .....	21,000	20,700	21,000
New York .....	36,400	36,600	36,300
North Carolina .....	52,900	52,400	52,400
North Dakota .....	32,000	32,000	31,900
Ohio .....	75,900	74,900	74,700
Oklahoma .....	86,600	86,500	86,500
Oregon .....	38,600	38,600	38,800
Pennsylvania .....	63,200	63,200	63,200
South Carolina .....	25,900	27,000	27,000
South Dakota .....	31,200	31,500	31,800
Tennessee .....	79,500	78,700	78,300
Texas .....	247,500	247,500	247,500
Utah .....	16,700	16,600	16,600
Virginia .....	47,400	47,000	47,300
Washington .....	39,300	39,500	39,500
West Virginia .....	23,400	23,200	23,000
Wisconsin .....	78,500	78,000	78,000
Wyoming .....	11,000	11,000	11,000
United States <sup>2</sup> .....	2,196,770	2,192,030	2,192,750

<sup>1</sup> Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>2</sup> Excludes Alaska and Hawaii.

## Survey Methodology

**Survey Procedures:** The June Agricultural Survey is conducted every year to provide estimates of farm numbers and land in farms, crop acres planted, grains and oilseeds in storage, livestock inventories, and land values. In the odd-numbered years from 1997 through 2011, questions were added to the survey form that asked the operator about access and use of computers. Some states were combined due to their low number of responses. When this occurs, it is footnoted in the tables.

**Reliability:** The 2011 computer usage estimates are based on responses from over 31,000 agricultural operations and represent all sizes and types of farms. Coefficients of variations (CVs) at the national level in 2011 were 6 percent or less; at the regional level, CVs ranged from 1 to 22 percent; and at the State level, CVs generally ranged from 2 to 53 percent.

## Information Contacts

Listed below are the commodity statisticians in the Environmental and Demographics Section of 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@nass.usda.gov](mailto:nass@nass.usda.gov).

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Dale P. Hawks, Head, Environmental and Demographics Section.....	(202) 720-0684
Mark Aitken – Farm Labor .....	(202) 720-9525
Jerry Campbell – Energy, Census of Agriculture .....	(202) 720-5581
Liana Cuffman – Livestock Chemical Usage, Postharvest Chemical Usage.....	(202) 690-0392
Vincent Davis – Census of Agriculture .....	(202) 690-3228
Doug Farmer – Fruit Chemical Usage, Vegetable Chemical Usage.....	(202) 720-7492
Theresa Varner – Field Crops Chemical Usage .....	(202) 690-2284

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