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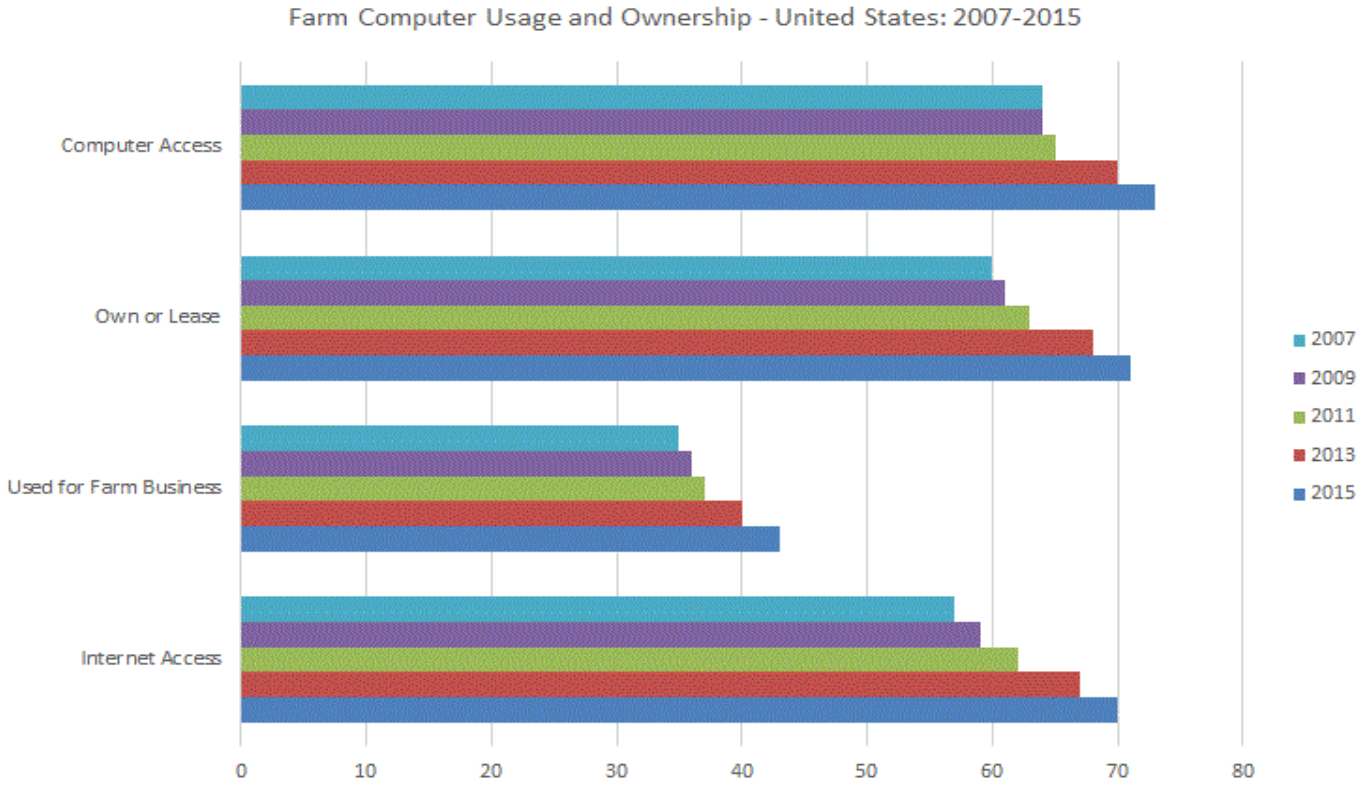
Internet Access Increases as more Producers use Satellite and Wireless Connections

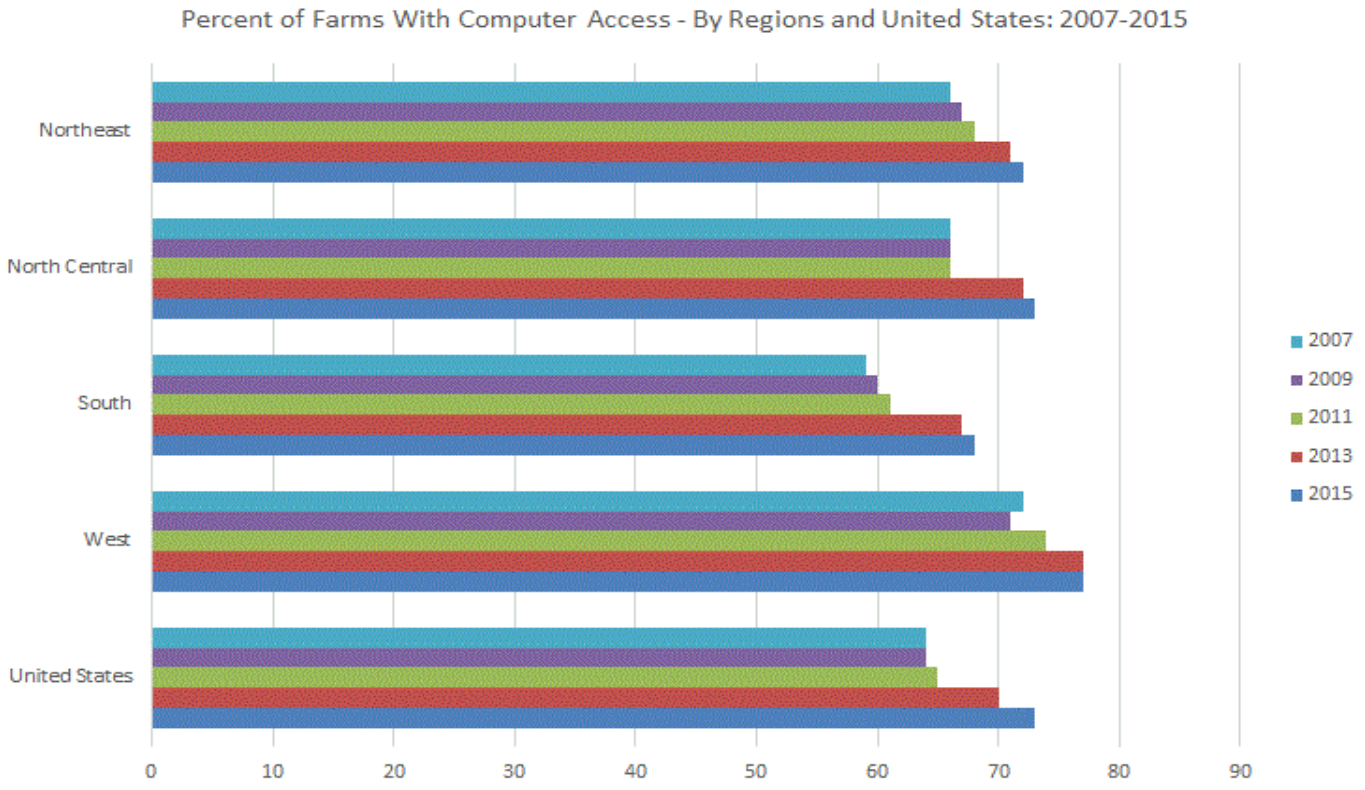
When U.S. producers were asked to respond to questions for USDA-NASS's biennial *Farm Computer Usage and Ownership* report, 70 percent report having access to the Internet, up 3 percentage points from 2013. A DSL (Digital Subscriber Line) connection is the most common method of accessing the Internet, with 30 percent of the farms in the United States using it, down from 35 percent in 2013. A wireless connection, at 29 percent, and a satellite connection at 21 percent, increased 5 and 4 percentage points, respectively. Other reported methods of accessing the Internet include cable modem service (12 percent), dial-up service (3 percent), and other or unknown (5 percent).

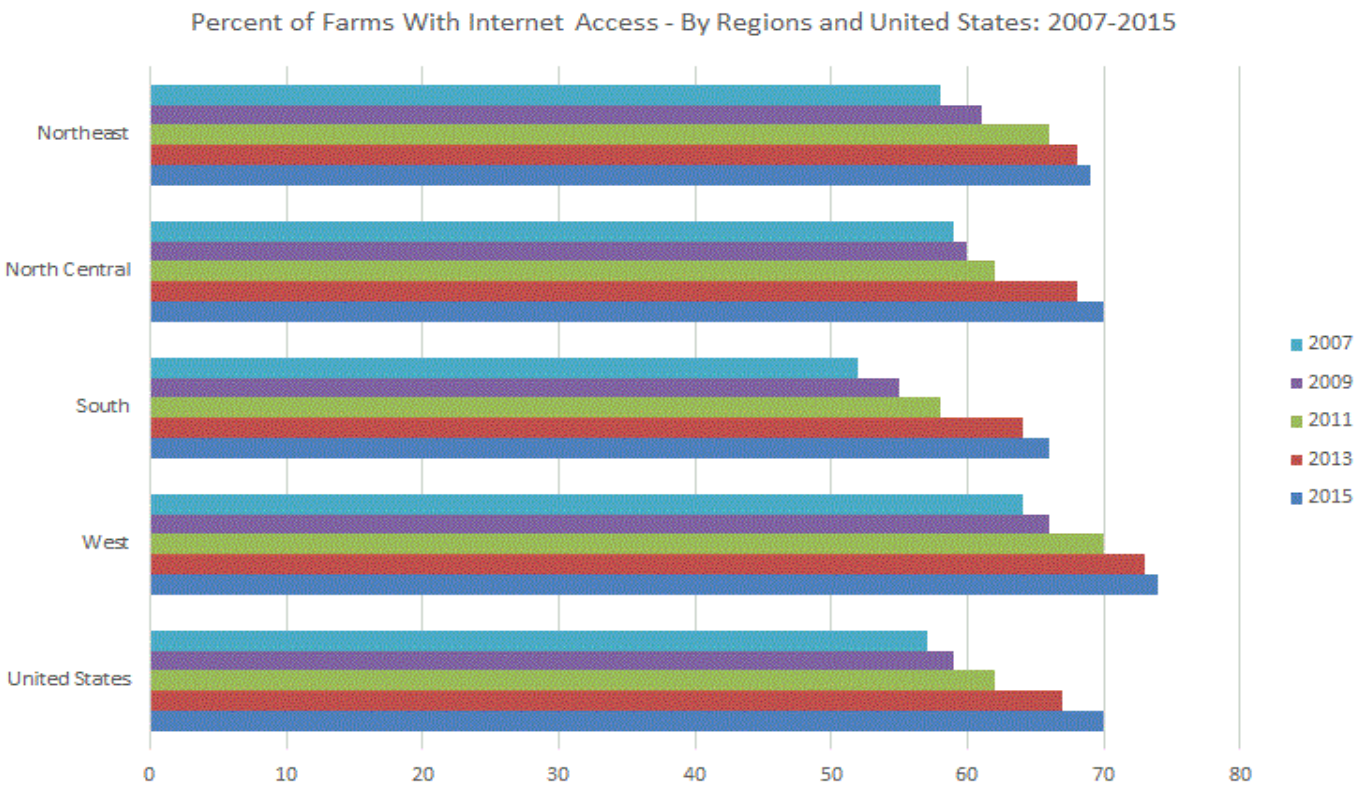
Farms with computer access at 73 percent is slightly higher than the 71 percent of the farms that reporting owning or leasing a computer. Computer access by sales class is 71 percent for sales class $1,000--$9,999; 70 percent for sales class $10,000--$99,999; 73 percent for Sales Class $100,000--$249,999; and 85 percent for Sales Class $250,000 or more.

Computer usage for farm business at 43 percent nationally, is up 3 percentage points from 2013. This compares with usage by the four geographic regions: West (48 percent), North Central (46 percent), Northeast (45 percent), and the South (36 percent). Comparing computer usage by crop and livestock farms, 47 percent of the crop producers use the computer for farm business compared to 39 percent of the livestock producers. Computer uses include:

- Purchasing agricultural inputs: 19 percent
- Marketing activities: 16 percent
- Accessing USDA-NASS reports: 10 percent
- Accessing other USDA reports/services: 17 percent
- Accessing other federal government websites: 17 percent
- Conducting business with any USDA website: 9 percent
- Conducting business with any other federal government website: 7 percent
- Conducting business with a non-agricultural website: 44 percent




Percent of Farms With Computer Access - By Regions and United States: 2007-2015
Northeast
North Central
South
West
United States
0
10
20
30
40
50
60
70
80
90
2007
2009
2011
2013
2015


Percent of Farms With Internet Access - By Regions and United States: 2007-2015
Northeast
North Central
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West
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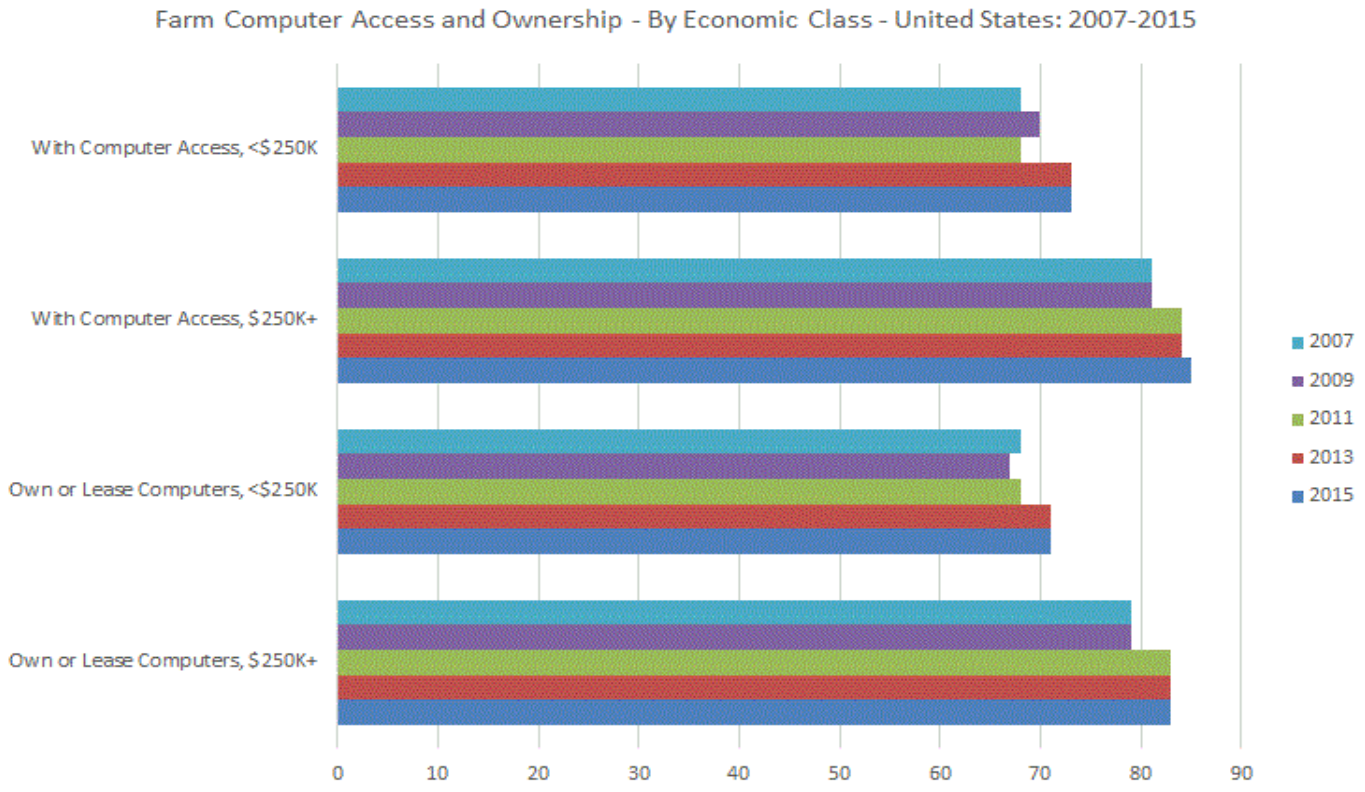
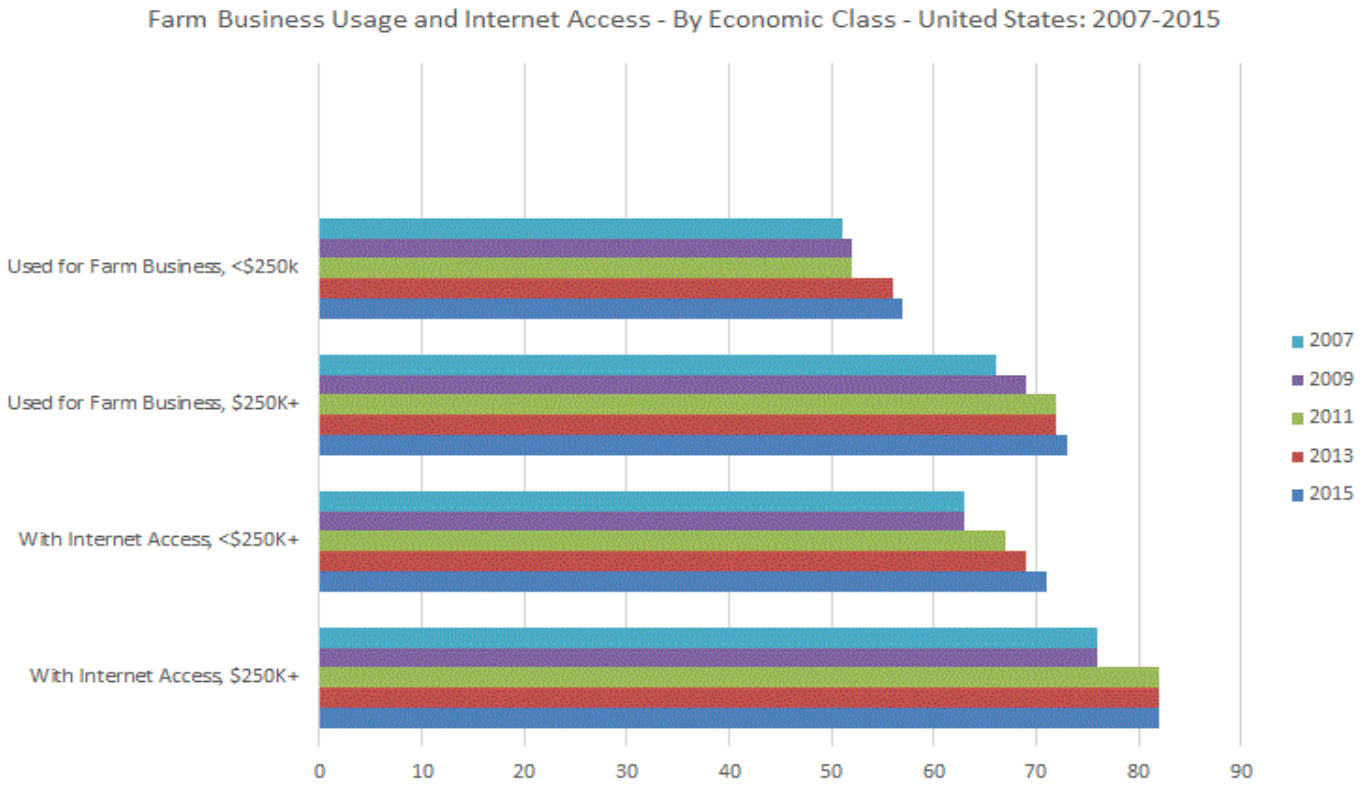
80
2007
2009
2011
2013
2015


Farm Computer Access and Ownership - By Economic Class - United States: 2007-2015
With Computer Access, <$250K
With Computer Access, $250K+
Own or Lease Computers, <$250K
Own or Lease Computers, $250K+
0
10
20
30
40
50
60
70
80
90
2007
2009
2011
2013
2015


Farm Business Usage and Internet Access - By Economic Class - United States: 2007-2015
Used for Farm Business, <$250k
Used for Farm Business, $250K+
With Internet Access, <$250K+
With Internet Access, $250K+
0
10
20
30
40
50
60
70
80
90
2007
2009
2011
2013
2015

Farm Computer Usage – States and United States: 2011, 2013, and 2015

State	Farms					
	With computer access			That own or lease computers		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	55	65	65	54	63	63
Arizona [1]	55	57	62	52	55	60
Arkansas	62	67	68	60	65	68
California	68	75	77	65	72	74
Colorado	80	78	79	79	77	79
Florida	70	71	71	68	70	70
Georgia	60	69	69	59	67	67
Idaho	83	83	83	82	80	80
Illinois	67	71	79	65	70	78
Indiana	65	66	72	63	65	70
Iowa	69	75	76	68	73	74
Kansas	66	71	72	64	70	70
Kentucky	59	64	65	58	61	61
Louisiana	60	68	73	54	64	72
Maryland [2]	60	72	72	59	68	69
Michigan	73	71	71	63	69	69
Minnesota	68	74	80	65	71	78
Mississippi	59	62	68	56	59	64
Missouri	57	66	66	55	65	66
Montana	76	81	84	74	78	83
Nebraska	72	78	78	71	75	76
New Hampshire [3]	80	83	84	79	81	81
New Jersey	77	80	82	75	79	79
New Mexico	57	60	63	55	58	61
New York	68	72	73	65	69	71
North Carolina	69	70	74	66	67	72
North Dakota	69	77	78	69	76	76
Ohio	59	68	69	57	65	68
Oklahoma	66	66	70	64	64	68
Oregon	83	84	85	80	81	81
Pennsylvania	60	62	64	57	60	62
South Carolina	59	68	70	58	67	67
South Dakota	68	74	75	66	72	74
Tennessee	55	64	68	51	61	62
Texas	60	68	75	57	66	73
Utah	85	83	86	77	80	82
Virginia	65	66	68	62	65	67
Washington	80	84	84	78	81	81
West Virginia	61	61	64	59	60	62
Wisconsin	73	76	77	71	73	73
Wyoming	84	81	85	79	80	84
United States [4]	65	70	73	63	68	71

[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 Computer Usage – States and United States: 2011, 2013, and 2015

State	Farms					
	Using computers for farm business			With Internet access		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	25	33	33	53	61	64
Arizona [1]	18	31	32	55	55	62
Arkansas	29	36	40	58	64	67
California	44	44	54	63	72	76
Colorado	47	39	47	72	75	78
Florida	45	46	46	69	70	71
Georgia	38	34	38	57	66	68
Idaho	46	43	46	76	79	79
Illinois	43	53	55	63	70	72
Indiana	39	42	47	62	63	66
Iowa	52	53	53	66	71	74
Kansas	39	36	39	62	68	71
Kentucky	23	30	33	55	61	65
Louisiana	28	32	35	53	63	66
Maryland [2]	34	37	44	59	68	70
Michigan	38	43	43	62	67	70
Minnesota	43	51	51	66	70	75
Mississippi	27	30	32	51	58	61
Missouri	33	30	40	52	62	66
Montana	49	48	54	73	77	77
Nebraska	52	47	56	69	72	75
New Hampshire [3]	50	64	64	78	80	81
New Jersey	57	58	58	75	79	79
New Mexico	35	30	35	55	55	58
New York	42	39	42	66	69	72
North Carolina	41	34	42	65	66	71
North Dakota	50	51	56	67	73	75
Ohio	36	36	39	55	65	68
Oklahoma	38	36	39	62	63	69
Oregon	50	48	51	80	80	82
Pennsylvania	36	34	38	58	59	62
South Carolina	30	32	32	53	63	67
South Dakota	42	38	46	63	72	75
Tennessee	26	29	35	52	61	65
Texas	30	36	37	58	66	68
Utah	48	45	48	79	76	78
Virginia	29	29	35	61	64	68
Washington	47	44	49	76	80	80
West Virginia	30	31	35	58	58	61
Wisconsin	42	46	47	67	72	72
Wyoming	37	47	54	78	78	79
United States [4]	37	40	43	62	67	70

[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.

Use of Internet – States and United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	9	12	11	4	14	13
Arizona [1]	11	16	21	6	12	16
Arkansas	11	17	20	7	12	13
California	18	18	21	11	14	15
Colorado	18	21	20	15	14	12
Florida	17	16	21	15	14	12
Georgia	13	18	26	15	12	15
Idaho	22	20	21	10	9	14
Illinois	13	21	20	16	19	22
Indiana	10	14	24	9	16	22
Iowa	16	19	22	25	30	28
Kansas	13	14	15	10	11	14
Kentucky	11	12	16	6	9	12
Louisiana	11	11	16	10	6	5
Maryland [2]	17	21	24	13	14	18
Michigan	14	22	21	10	19	17
Minnesota	13	16	15	18	24	20
Mississippi	10	10	13	10	5	10
Missouri	11	10	18	10	8	15
Montana	18	21	36	16	17	27
Nebraska	15	16	22	23	19	24
New Hampshire [3]	30	43	40	18	33	28
New Jersey	39	37	38	18	21	25
New Mexico	11	16	16	7	8	10
New York	24	22	28	10	13	16
North Carolina	17	19	20	18	16	16
North Dakota	16	16	22	16	20	20
Ohio	13	11	15	10	12	16
Oklahoma	15	16	20	13	12	12
Oregon	17	27	28	15	20	24
Pennsylvania	15	17	23	7	12	11
South Carolina	11	10	13	8	8	6
South Dakota	11	13	12	13	12	15
Tennessee	10	11	17	11	10	11
Texas	12	11	14	7	8	12
Utah	18	23	27	17	13	17
Virginia	14	12	21	7	10	15
Washington	18	14	22	17	14	20
West Virginia	17	20	19	8	10	8
Wisconsin	17	17	19	17	17	16
Wyoming	15	27	33	8	13	17
United States [4]	14	16	19	12	14	16

[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: 2011, 2013, and 2015

[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 websites over Internet		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	3	3	5	10	11	11	7	12	12
Arizona [1]	3	2	6	11	10	20	9	12	23
Arkansas	4	10	13	12	15	21	12	12	22
California	9	4	16	18	15	24	18	15	24
Colorado	7	7	9	18	14	18	21	19	21
Florida	9	9	9	15	13	15	17	14	19
Georgia	3	6	10	14	10	18	11	10	11
Idaho	7	16	16	20	25	25	28	25	28
Illinois	10	13	14	16	21	22	14	17	19
Indiana	7	14	14	9	18	19	8	16	16
Iowa	16	15	17	23	23	25	17	15	18
Kansas	8	8	8	13	15	17	13	12	13
Kentucky	2	6	8	8	9	15	8	7	9
Louisiana	7	3	7	10	7	10	9	6	9
Maryland [2]	3	5	8	11	16	16	14	21	21
Michigan	9	12	12	14	12	14	15	15	16
Minnesota	12	11	12	16	19	19	13	13	15
Mississippi	4	7	8	10	11	14	9	10	13
Missouri	8	6	11	11	12	15	10	9	15
Montana	10	10	11	19	16	19	28	24	28
Nebraska	9	11	19	17	19	26	17	14	20
New Hampshire [3]	8	14	14	22	27	27	28	37	31
New Jersey	10	10	10	21	20	21	24	20	24
New Mexico	10	7	10	13	5	13	11	10	12
New York	8	5	8	11	12	14	21	18	24
North Carolina	7	9	9	15	13	15	14	12	14
North Dakota	12	11	15	19	21	26	16	14	20
Ohio	5	5	8	12	10	12	11	11	15
Oklahoma	6	12	12	15	14	17	14	14	16
Oregon	8	7	12	18	16	22	25	32	28
Pennsylvania	5	5	6	9	10	12	15	13	15
South Carolina	5	13	13	6	15	15	4	9	9
South Dakota	9	11	11	16	16	16	15	14	15
Tennessee	5	6	9	9	11	13	8	10	10
Texas	4	4	6	7	8	11	11	12	15
Utah	8	12	16	17	20	24	24	20	24
Virginia	7	4	8	9	12	13	16	19	24
Washington	7	10	10	15	17	17	25	23	25
West Virginia	5	7	7	10	16	16	19	14	19
Wisconsin	8	9	10	16	16	16	16	21	21
Wyoming	4	6	6	9	10	21	20	18	23
United States [4]	7	8	10	13	14	17	14	14	17

[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.

Conducting Business on the Internet – States and United States: 2011, 2013, and 2015

State	Farms					
	Conduct business with any USDA website			Conduct business with any other federal government website		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	1	7	7	1	1	1
Arizona [1]	6	2	8	2	2	7
Arkansas	2	11	11	3	9	12
California	8	6	15	7	6	12
Colorado	9	10	10	10	7	10
Florida	6	5	6	7	5	8
Georgia	6	5	9	6	4	6
Idaho	4	4	8	7	3	7
Illinois	6	8	14	4	7	8
Indiana	4	7	10	4	6	6
Iowa	7	9	11	7	6	8
Kansas	5	7	11	3	4	9
Kentucky	1	3	4	2	2	3
Louisiana	4	5	5	4	3	4
Maryland [2]	5	3	12	5	4	5
Michigan	3	6	10	2	3	7
Minnesota	6	9	10	4	4	5
Mississippi	3	6	6	3	5	5
Missouri	3	5	9	2	2	8
Montana	7	7	7	7	6	7
Nebraska	7	10	13	6	5	9
New Hampshire [3]	9	20	20	12	12	12
New Jersey	13	11	13	12	9	12
New Mexico	5	6	6	4	5	5
New York	3	1	4	1	1	3
North Carolina	6	6	6	5	5	7
North Dakota	6	14	14	4	5	9
Ohio	3	3	6	2	4	5
Oklahoma	5	7	7	4	3	7
Oregon	10	6	12	7	9	10
Pennsylvania	3	4	7	6	7	7
South Carolina	5	7	7	3	1	3
South Dakota	6	8	9	5	5	5
Tennessee	3	6	6	3	4	6
Texas	4	4	6	4	5	6
Utah	7	10	13	4	7	10
Virginia	2	4	7	2	3	5
Washington	7	9	9	10	11	11
West Virginia	4	6	6	6	3	6
Wisconsin	5	6	9	4	8	8
Wyoming	6	6	6	5	3	6
United States [4]	5	6	9	4	5	7

[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.

Conducting Business on the Internet – States and United States: 2011, 2013, and 2015

State	Farms		
	Conduct business with any non-agricultural website		
	2011	2013	2015
	(percent)	(percent)	(percent)
Alabama	22	30	31
Arizona [1]	34	28	48
Arkansas	22	29	37
California	38	44	58
Colorado	53	50	53
Florida	51	49	51
Georgia	23	30	35
Idaho	54	54	54
Illinois	44	47	51
Indiana	32	43	45
Iowa	38	46	46
Kansas	34	36	39
Kentucky	16	31	31
Louisiana	35	30	30
Maryland [2]	35	49	49
Michigan	30	49	49
Minnesota	36	50	50
Mississippi	24	30	30
Missouri	25	31	37
Montana	56	65	65
Nebraska	38	48	51
New Hampshire [3]	45	70	69
New Jersey	51	49	51
New Mexico	35	32	32
New York	33	30	48
North Carolina	38	35	44
North Dakota	38	43	52
Ohio	26	31	34
Oklahoma	32	39	42
Oregon	58	56	58
Pennsylvania	34	29	37
South Carolina	14	36	36
South Dakota	38	38	43
Tennessee	26	25	31
Texas	34	44	44
Utah	57	54	57
Virginia	32	40	40
Washington	51	53	53
West Virginia	28	24	34
Wisconsin	43	47	47
Wyoming	50	45	55
United States [4]	35	40	44

[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.

Primary Method of Internet Access – States and United States: 2011, 2013, and 2015

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

State	Dialup			DSL			Cable		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	24	6	5	49	36	21	10	9	19
Arizona [1]	22	3	2	20	29	23	17	10	2
Arkansas	7	6	5	43	41	35	11	10	14
California	2	1	1	43	27	20	9	24	10
Colorado	12	3	3	11	22	25	8	6	4
Florida	15	1	1	36	44	43	15	7	18
Georgia	11	4	4	61	54	48	8	7	4
Idaho	11	12	2	39	34	28	7	11	6
Illinois	9	2	2	31	26	26	8	17	14
Indiana	20	7	4	25	33	24	6	5	7
Iowa	10	6	5	36	34	26	7	11	14
Kansas	5	6	2	35	25	25	16	18	17
Kentucky	16	1	2	50	50	52	10	13	4
Louisiana	15	1	1	37	33	27	9	8	18
Maryland [2]	11	4	1	23	20	18	22	23	26
Michigan	24	7	7	26	24	21	13	17	17
Minnesota	12	7	2	42	43	28	4	7	11
Mississippi	16	8	3	35	47	31	12	10	8
Missouri	16	6	4	37	35	29	5	5	11
Montana	6	3	2	54	66	47	7	3	8
Nebraska	8	3	1	34	38	27	5	5	8
New Hampshire [3]	6	1	1	37	36	34	29	38	33
New Jersey	7	1	2	31	24	26	49	69	43
New Mexico	15	4	2	38	61	28	14	6	5
New York	15	7	6	51	30	22	15	34	25
North Carolina	7	8	6	58	54	45	14	14	19
North Dakota	4	4	3	49	31	34	13	30	16
Ohio	15	11	5	26	24	20	25	17	20
Oklahoma	9	4	4	39	30	26	6	4	9
Oregon	9	6	7	32	29	23	10	15	7
Pennsylvania	8	7	3	52	43	43	24	23	23
South Carolina	15	7	3	37	46	49	18	5	12
South Dakota	9	6	4	39	40	27	9	8	16
Tennessee	13	4	2	38	34	33	17	20	14
Texas	12	6	3	33	32	26	11	11	10
Utah	4	1	1	40	53	32	13	11	15
Virginia	16	19	2	32	20	37	9	3	6
Washington	12	5	3	32	34	27	17	19	9
West Virginia	15	7	2	37	34	50	9	12	11
Wisconsin	12	3	3	51	43	34	8	5	7
Wyoming	10	9	1	18	34	22	4	3	2
United States [4]	12	5	3	38	35	30	11	13	12

[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.

Primary Method of Internet Access – States and United States: 2011, 2013, and 2015

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

State	Farms								
	Satellite			Wireless			Other/ unknown		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Alabama	7	28	28	6	19	25	4	2	2
Arizona [1]	18	35	39	11	8	31	12	15	3
Arkansas	19	11	22	14	21	20	6	11	4
California	11	20	34	26	19	28	9	9	7
Colorado	23	31	31	40	31	31	6	7	6
Florida	9	19	18	15	13	16	10	16	4
Georgia	5	7	20	14	24	22	1	4	2
Idaho	17	12	28	22	28	32	4	3	4
Illinois	19	19	23	31	31	33	2	5	2
Indiana	16	16	22	26	34	38	7	5	5
Iowa	11	14	19	28	28	28	8	7	8
Kansas	22	17	20	20	29	34	2	5	2
Kentucky	11	16	17	7	12	17	6	8	8
Louisiana	13	22	20	19	20	30	7	16	4
Maryland [2]	10	18	20	30	30	31	4	5	4
Michigan	8	7	17	25	34	34	4	11	4
Minnesota	11	10	16	25	27	37	6	6	6
Mississippi	21	17	20	10	12	34	6	6	4
Missouri	17	23	23	22	29	32	3	2	1
Montana	18	11	18	14	15	24	1	2	1
Nebraska	15	12	23	36	34	39	2	8	2
New Hampshire [3]	12	6	7	10	11	19	6	8	6
New Jersey	4	5	14	5	1	13	4	(Z)	2
New Mexico	13	14	41	16	9	19	4	6	5
New York	5	12	18	10	13	24	4	4	5
North Carolina	7	6	10	11	13	15	3	5	5
North Dakota	13	9	11	16	19	27	5	7	9
Ohio	7	15	19	25	30	30	2	3	6
Oklahoma	24	28	20	19	29	38	3	5	3
Oregon	17	23	23	26	21	37	6	6	3
Pennsylvania	4	9	6	9	13	21	3	5	4
South Carolina	9	13	11	18	29	22	3	(Z)	3
South Dakota	9	9	15	29	27	33	5	10	5
Tennessee	11	11	19	15	26	27	6	5	5
Texas	21	24	27	19	23	29	4	4	5
Utah	20	5	19	15	28	28	8	2	5
Virginia	24	12	19	15	33	32	4	13	4
Washington	15	21	33	16	12	24	8	9	4
West Virginia	18	20	17	16	25	18	5	2	2
Wisconsin	10	13	22	17	32	32	2	4	2
Wyoming	36	39	32	32	12	42	0	3	1
United States [4]	15	17	21	20	24	29	4	6	5

(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.

Farm Computer Usage by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

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

Region	Farms					
	With computer access			That own or lease computers		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	68	71	72	65	69	71
$1,000 to $9,999	68	73	75	64	71	73
$10,000 to $99,999	69	70	72	67	67	70
$100,000 or more	69	68	68	65	66	66
$100,000 to $249,999	60	57	57	56	56	56
$250,000 or more	80	79	79	76	75	76
Crop farms	69	72	73	67	69	70
Livestock farms	68	70	71	64	68	69
North Central [2]	66	72	73	64	70	72
$1,000 to $9,999	62	68	69	59	66	68
$10,000 to $99,999	62	69	71	61	67	68
$100,000 or more	78	80	80	77	78	78
$100,000 to $249,999	71	71	71	70	69	69
$250,000 or more	82	85	85	81	83	83
Crop farms	68	72	74	66	70	72
Livestock farms	64	71	73	61	69	69
South [3]	61	67	68	59	65	67
$1,000 to $9,999	58	66	67	56	64	66
$10,000 to $99,999	63	66	66	60	63	63
$100,000 or more	75	77	77	72	75	76
$100,000 to $249,999	67	70	71	63	69	70
$250,000 or more	80	81	81	77	78	78
Crop farms	62	68	69	60	65	66
Livestock farms	61	67	69	59	65	68
West [4]	74	77	77	72	75	75
$1,000 to $9,999	70	73	73	68	71	71
$10,000 to $99,999	74	77	79	74	75	77
$100,000 or more	85	86	88	84	85	85
$100,000 to $249,999	79	80	82	77	79	79
$250,000 or more	90	90	91	89	89	91
Crop farms	74	79	81	72	77	78
Livestock farms	74	75	76	72	73	73
United States [5]	65	70	73	63	68	71
$1,000 to $9,999	61	67	71	59	66	69
$10,000 to $99,999	63	68	70	62	66	67
$100,000 or more	77	80	80	77	78	78
$100,000 to $249,999	68	73	73	68	71	71
$250,000 or more	84	84	85	83	83	83
Crop farms	67	71	73	65	69	71
Livestock farms	63	70	73	62	67	69

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Farm Computer Usage by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

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

Region	Farms					
	Using computers for farm business			With Internet access		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	42	44	45	66	68	69
$1,000 to $9,999	36	35	38	65	70	72
$10,000 to $99,999	45	53	53	67	67	69
$100,000 or more	58	61	61	62	64	64
$100,000 to $249,999	42	47	47	49	56	56
$250,000 or more	75	70	70	75	73	73
Crop farms	42	44	45	67	68	70
Livestock farms	42	44	46	63	67	68
North Central [2]	41	44	46	62	68	70
$1,000 to $9,999	25	27	28	58	65	67
$10,000 to $99,999	41	41	44	56	64	67
$100,000 or more	64	65	67	74	77	78
$100,000 to $249,999	53	56	59	67	68	69
$250,000 or more	71	72	72	79	82	82
Crop farms	44	48	50	63	68	69
Livestock farms	36	37	40	59	67	68
South [3]	31	34	36	58	64	66
$1,000 to $9,999	25	26	30	55	63	65
$10,000 to $99,999	36	42	42	59	63	63
$100,000 or more	55	60	62	70	75	76
$100,000 to $249,999	43	52	53	62	69	70
$250,000 or more	66	67	70	75	78	79
Crop farms	32	35	37	59	64	66
Livestock farms	30	33	36	58	64	66
West [4]	44	43	48	70	73	74
$1,000 to $9,999	31	29	37	65	69	69
$10,000 to $99,999	54	53	57	72	73	76
$100,000 or more	71	68	72	84	83	85
$100,000 to $249,999	62	60	60	76	76	78
$250,000 or more	79	73	82	89	87	88
Crop farms	49	46	54	70	75	77
Livestock farms	40	40	44	70	71	72
United States [5]	37	40	43	62	67	70
$1,000 to $9,999	27	28	32	58	65	67
$10,000 to $99,999	41	45	45	60	65	66
$100,000 or more	63	66	66	76	77	78
$100,000 to $249,999	52	56	57	67	69	71
$250,000 or more	72	72	73	82	82	82
Crop farms	41	45	47	64	68	70
Livestock farms	34	36	39	61	66	68

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Use of Internet by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	22	26	27	10	17	17
$1,000 to $9,999	19	21	25	8	12	12
$10,000 to $99,999	26	28	29	13	25	25
$100,000 or more	28	38	38	16	23	23
$100,000 to $249,999	17	30	31	11	14	22
$250,000 or more	40	45	45	22	30	30
Crop farms	23	24	28	10	17	19
Livestock farms	21	28	28	10	17	17
North Central [2]	13	16	18	15	18	19
$1,000 to $9,999	9	9	10	6	6	8
$10,000 to $99,999	12	14	17	13	15	17
$100,000 or more	21	26	29	29	33	33
$100,000 to $249,999	15	20	23	22	26	26
$250,000 or more	25	29	32	33	37	37
Crop farms	13	17	19	17	21	22
Livestock farms	14	14	17	11	12	15
South [3]	13	13	17	9	10	12
$1,000 to $9,999	10	9	13	6	6	8
$10,000 to $99,999	14	17	18	12	15	15
$100,000 or more	25	29	32	24	27	29
$100,000 to $249,999	21	24	26	17	23	23
$250,000 or more	29	33	38	30	29	33
Crop farms	12	13	17	10	10	13
Livestock farms	13	13	17	9	10	11
West [4]	17	20	23	13	14	17
$1,000 to $9,999	13	15	15	7	8	9
$10,000 to $99,999	21	24	28	19	18	26
$100,000 or more	26	31	40	23	27	32
$100,000 to $249,999	20	23	33	19	24	24
$250,000 or more	31	36	45	28	30	38
Crop farms	18	19	24	13	15	21
Livestock farms	17	20	22	13	14	15
United States [5]	14	16	19	12	14	16
$1,000 to $9,999	11	10	14	7	7	8
$10,000 to $99,999	15	17	20	13	16	16
$100,000 or more	23	27	32	26	30	31
$100,000 to $249,999	17	22	26	20	24	25
$250,000 or more	28	31	36	31	34	35
Crop farms	14	16	20	14	17	19
Livestock farms	14	15	19	10	12	13

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Internet Access of Reports, Services, and Websites by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

[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 in 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 websites over Internet		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	6	7	7	13	16	15	18	20	20
$1,000 to $9,999	5	4	4	10	10	10	17	17	20
$10,000 to $99,999	9	11	11	13	23	22	19	23	22
$100,000 or more	9	10	12	21	23	23	23	23	22
$100,000 to $249,999	10	10	11	14	19	19	17	19	19
$250,000 or more	9	11	14	27	27	26	29	26	25
Crop farms	7	10	10	16	18	18	20	24	23
Livestock farms	6	4	5	10	14	13	17	16	17
North Central [2]	10	10	12	15	17	18	13	14	16
$1,000 to $9,999	4	5	5	7	7	8	10	10	11
$10,000 to $99,999	9	8	11	14	15	15	12	12	14
$100,000 or more	18	19	21	28	30	32	21	22	24
$100,000 to $249,999	14	14	17	21	25	26	16	16	19
$250,000 or more	21	23	23	33	34	35	24	26	27
Crop farms	11	13	14	18	20	22	15	17	18
Livestock farms	7	7	8	11	11	12	11	11	13
South [3]	5	7	8	10	11	13	11	12	14
$1,000 to $9,999	3	4	5	7	7	8	9	10	12
$10,000 to $99,999	6	10	10	12	15	17	12	14	14
$100,000 or more	12	14	17	23	25	29	21	19	25
$100,000 to $249,999	7	9	12	17	19	21	17	17	21
$250,000 or more	17	18	22	29	30	36	23	21	28
Crop farms	6	7	10	11	12	16	12	13	14
Livestock farms	4	6	7	10	11	13	11	11	14
West [4]	8	8	11	17	15	19	21	20	23
$1,000 to $9,999	4	5	6	11	10	11	18	19	19
$10,000 to $99,999	10	11	13	20	17	26	24	16	27
$100,000 or more	16	14	23	30	26	34	28	27	33
$100,000 to $249,999	12	10	22	26	20	29	23	22	24
$250,000 or more	20	17	23	34	30	37	32	30	39
Crop farms	11	8	15	21	15	23	25	21	25
Livestock farms	6	8	8	13	15	16	19	19	22
United States [5]	7	8	10	13	14	17	14	14	17
$1,000 to $9,999	4	4	5	8	8	9	11	12	13
$10,000 to $99,999	8	9	10	14	16	17	14	14	16
$100,000 or more	16	17	20	27	28	31	22	22	25
$100,000 to $249,999	12	12	16	20	22	25	18	17	20
$250,000 or more	20	20	22	32	32	35	25	25	29
Crop farms	9	10	13	16	17	20	16	17	19
Livestock farms	5	7	7	11	11	13	13	13	15

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Conducting Business on the Internet by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

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

Region	Farms					
	Conduct business with any USDA website			Conduct business with any other federal government website		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	5	7	7	6	7	6
$1,000 to $9,999	3	6	5	7	5	4
$10,000 to $99,999	7	9	10	6	8	8
$100,000 or more	9	11	13	7	12	10
$100,000 to $249,999	6	9	9	2	10	9
$250,000 or more	13	12	15	12	13	12
Crop farms	6	10	9	6	9	8
Livestock farms	4	5	5	7	5	5
North Central [2]	5	7	10	4	5	7
$1,000 to $9,999	2	2	4	2	2	3
$10,000 to $99,999	4	7	9	3	4	7
$100,000 or more	10	14	19	8	9	11
$100,000 to $249,999	8	10	14	5	7	8
$250,000 or more	12	16	21	9	10	13
Crop farms	6	9	13	5	7	8
Livestock farms	3	4	7	2	3	5
South [3]	4	5	6	4	4	5
$1,000 to $9,999	2	3	3	2	3	4
$10,000 to $99,999	4	7	7	4	5	6
$100,000 or more	11	12	15	11	10	13
$100,000 to $249,999	7	10	11	8	8	10
$250,000 or more	14	14	18	14	11	16
Crop farms	4	6	8	4	5	7
Livestock farms	3	5	5	3	4	5
West [4]	7	6	10	7	6	8
$1,000 to $9,999	5	3	5	5	4	5
$10,000 to $99,999	8	8	12	7	7	10
$100,000 or more	13	13	21	11	12	17
$100,000 to $249,999	11	9	16	9	9	10
$250,000 or more	15	17	24	13	15	19
Crop farms	9	7	12	7	8	11
Livestock farms	6	6	8	6	5	6
United States [5]	5	6	9	4	5	7
$1,000 to $9,999	3	3	4	3	3	4
$10,000 to $99,999	5	7	8	4	5	7
$100,000 or more	11	13	18	9	10	12
$100,000 to $249,999	8	10	13	6	8	9
$250,000 or more	13	15	21	11	11	15
Crop farms	6	8	11	5	7	8
Livestock farms	4	5	6	4	4	5

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Conducting Business on the Internet by Economic Class, Type of Farm – Regions and United States: 2011, 2013, and 2015

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

Region	Farms		
	Conduct business with any non-agricultural website		
	2011	2013	2015
	(percent)	(percent)	(percent)
Northeast [1]	37	39	47
$1,000 to $9,999	37	37	49
$10,000 to $99,999	37	40	48
$100,000 or more	40	41	41
$100,000 to $249,999	29	30	30
$250,000 or more	51	52	52
Crop farms	39	43	52
Livestock farms	36	35	43
North Central [2]	35	42	44
$1,000 to $9,999	30	39	40
$10,000 to $99,999	32	37	39
$100,000 or more	44	51	51
$100,000 to $249,999	37	42	45
$250,000 or more	50	57	57
Crop farms	36	44	46
Livestock farms	32	40	40
South [3]	30	36	37
$1,000 to $9,999	27	33	35
$10,000 to $99,999	31	39	39
$100,000 or more	40	43	49
$100,000 to $249,999	33	40	43
$250,000 or more	46	46	54
Crop farms	29	35	39
Livestock farms	30	36	36
West [4]	48	49	50
$1,000 to $9,999	46	45	45
$10,000 to $99,999	49	52	53
$100,000 or more	53	56	60
$100,000 to $249,999	45	50	50
$250,000 or more	60	60	69
Crop farms	49	50	54
Livestock farms	47	48	48
United States [5]	35	40	44
$1,000 to $9,999	32	37	39
$10,000 to $99,999	34	40	40
$100,000 or more	45	49	52
$100,000 to $249,999	37	42	44
$250,000 or more	51	55	56
Crop farms	37	43	46
Livestock farms	33	39	39

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Primary Method of Internet Access by Economic Class – Regions and United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	9	5	3	47	37	34	25	33	27
$1,000 to $9,999	9	6	3	50	36	35	26	34	26
$10,000 to $99,999	10	3	4	46	39	33	23	36	28
$100,000 or more	8	5	2	35	38	34	23	26	27
$100,000 to $249,999	12	7	1	46	44	38	13	19	11
$250,000 or more	6	4	2	29	34	35	29	30	33
Crop farms	9	5	3	48	38	33	27	34	29
Livestock farms	9	5	3	46	36	36	23	32	25
North Central [2]	13	6	3	36	33	27	9	11	12
$1,000 to $9,999	16	7	4	36	34	23	11	14	15
$10,000 to $99,999	12	5	4	36	33	28	10	10	13
$100,000 or more	8	5	3	37	33	29	7	8	10
$100,000 to $249,999	11	5	4	37	34	28	7	9	11
$250,000 or more	7	5	3	36	33	28	7	8	9
Crop farms	10	5	3	37	32	26	10	12	14
Livestock farms	15	7	4	35	36	29	8	9	10
South [3]	13	6	3	39	36	33	11	11	11
$1,000 to $9,999	13	6	3	39	33	32	11	12	13
$10,000 to $99,999	15	6	3	40	42	34	11	10	9
$100,000 or more	10	4	3	42	40	33	10	9	11
$100,000 to $249,999	11	5	4	41	37	31	11	11	12
$250,000 or more	9	4	3	42	41	34	10	7	11
Crop farms	11	5	3	40	37	30	11	11	13
Livestock farms	13	6	4	39	36	33	11	11	11
West [4]	9	4	3	34	35	24	11	14	8
$1,000 to $9,999	10	5	4	34	35	23	13	15	8
$10,000 to $99,999	12	5	3	35	35	22	6	14	8
$100,000 or more	6	3	2	35	35	27	8	11	8
$100,000 to $249,999	4	4	2	33	35	29	9	11	5
$250,000 or more	8	2	1	36	35	25	8	11	11
Crop farms	6	3	3	35	35	24	10	15	10
Livestock farms	11	6	4	34	35	24	11	12	6
United States [5]	12	5	3	38	35	30	11	13	12
$1,000 to $9,999	13	6	3	38	34	29	13	15	14
$10,000 to $99,999	13	5	4	38	38	31	11	12	11
$100,000 or more	8	4	3	37	35	30	9	10	11
$100,000 to $249,999	10	5	3	37	36	31	8	10	10
$250,000 or more	7	4	2	37	35	30	9	10	11
Crop farms	10	5	3	38	34	27	12	14	14
Livestock farms	13	6	4	38	36	31	11	12	11

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Primary Method of Internet Access by Economic Class – Regions and United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Northeast [1]	6	8	9	9	11	21	4	6	6
$1,000 to $9,999	3	7	8	8	10	22	4	7	6
$10,000 to $99,999	11	10	13	8	10	16	2	2	6
$100,000 or more	12	12	7	15	14	23	7	5	7
$100,000 to $249,999	9	15	17	17	13	25	3	2	8
$250,000 or more	14	10	5	14	15	20	8	7	5
Crop farms	3	7	10	8	8	18	5	8	7
Livestock farms	9	10	8	10	13	22	3	4	6
North Central [2]	13	14	16	25	30	35	4	6	7
$1,000 to $9,999	12	13	18	21	27	34	4	5	6
$10,000 to $99,999	13	15	15	25	31	34	4	6	6
$100,000 or more	14	15	15	30	33	36	4	6	7
$100,000 to $249,999	12	13	14	28	33	37	5	6	6
$250,000 or more	16	16	16	31	32	36	3	6	8
Crop farms	12	13	15	27	32	35	4	6	7
Livestock farms	15	17	18	23	26	33	4	5	6
South [3]	17	19	20	16	22	27	4	6	6
$1,000 to $9,999	18	20	20	15	23	26	4	6	6
$10,000 to $99,999	15	17	22	15	20	26	4	5	6
$100,000 or more	15	17	18	18	23	31	5	7	4
$100,000 to $249,999	16	17	15	17	22	33	4	8	5
$250,000 or more	15	18	19	19	24	29	5	6	4
Crop farms	14	17	19	18	24	29	6	6	6
Livestock farms	18	20	20	15	21	26	4	6	6
West [4]	17	21	28	23	19	30	6	7	7
$1,000 to $9,999	16	21	30	21	17	30	6	7	5
$10,000 to $99,999	17	18	24	25	21	34	5	7	9
$100,000 or more	19	23	27	24	22	26	8	6	10
$100,000 to $249,999	18	18	27	25	25	27	11	7	10
$250,000 or more	19	26	28	23	20	25	6	6	10
Crop farms	18	19	26	23	22	28	8	6	9
Livestock farms	17	22	30	22	17	31	5	8	5
United States [5]	15	17	21	20	24	29	4	6	5
$1,000 to $9,999	14	17	20	17	22	29	5	6	5
$10,000 to $99,999	14	16	19	20	24	29	4	5	6
$100,000 or more	15	17	18	26	28	32	5	6	6
$100,000 to $249,999	14	15	16	25	28	34	6	6	6
$250,000 or more	16	17	18	26	28	32	5	6	7
Crop farms	13	14	19	22	27	31	5	6	6
Livestock farms	16	19	21	18	21	28	4	6	5

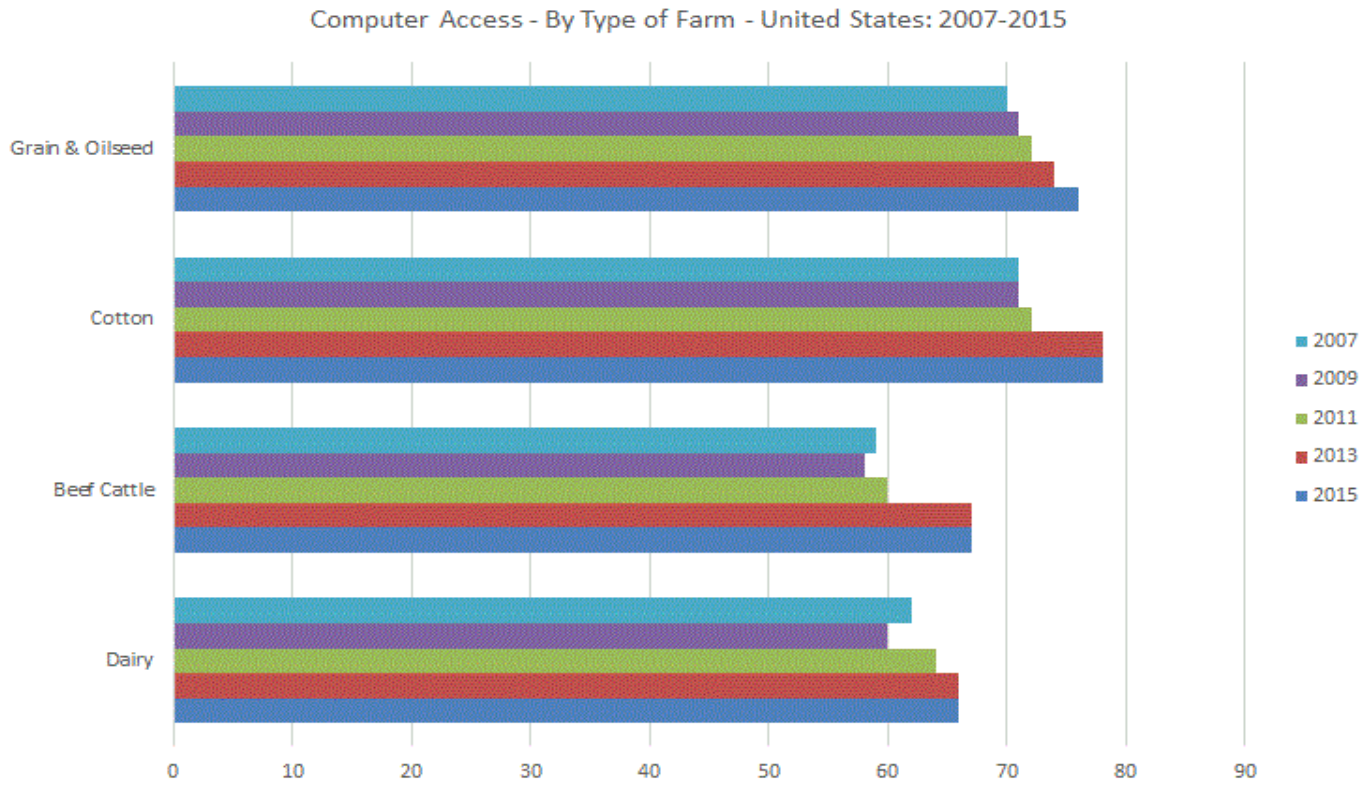
[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
[2] Includes Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
[3] Includes Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
[4] Includes Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.
[5] Excludes Alaska and Hawaii.

Farm Computer Usage by Economic Class, Type of Farm – United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms	72	74	76	71	72	73
$1,000 to $249,999	66	67	71	65	65	69
$250,000 or more	86	85	85	83	83	83
Cotton farms	72	78	78	70	77	77
$1,000 to $249,999	69	69	69	68	68	68
$250,000 or more	78	85	85	77	84	84
Beef cattle farms	60	67	67	58	65	65
$1,000 to $249,999	59	66	66	58	63	63
$250,000 or more	81	81	81	80	80	80
Dairy farms	64	66	66	63	64	64
$1,000 to $249,999	52	49	49	51	47	47
$250,000 or more	83	79	79	81	77	77
Crop farms	67	71	73	65	69	71
$1,000 to $249,999	63	68	68	61	66	66
$250,000 or more	84	85	85	83	84	84
Livestock farms	63	70	73	62	67	69
$1,000 to $249,999	62	69	69	60	66	66
$250,000 or more	82	82	82	81	79	79
All farms [1]	65	70	73	63	68	71
$1,000 to $249,999	62	68	68	62	66	67
$250,000 or more	84	84	85	83	83	83

[1] Excludes Alaska and Hawaii.

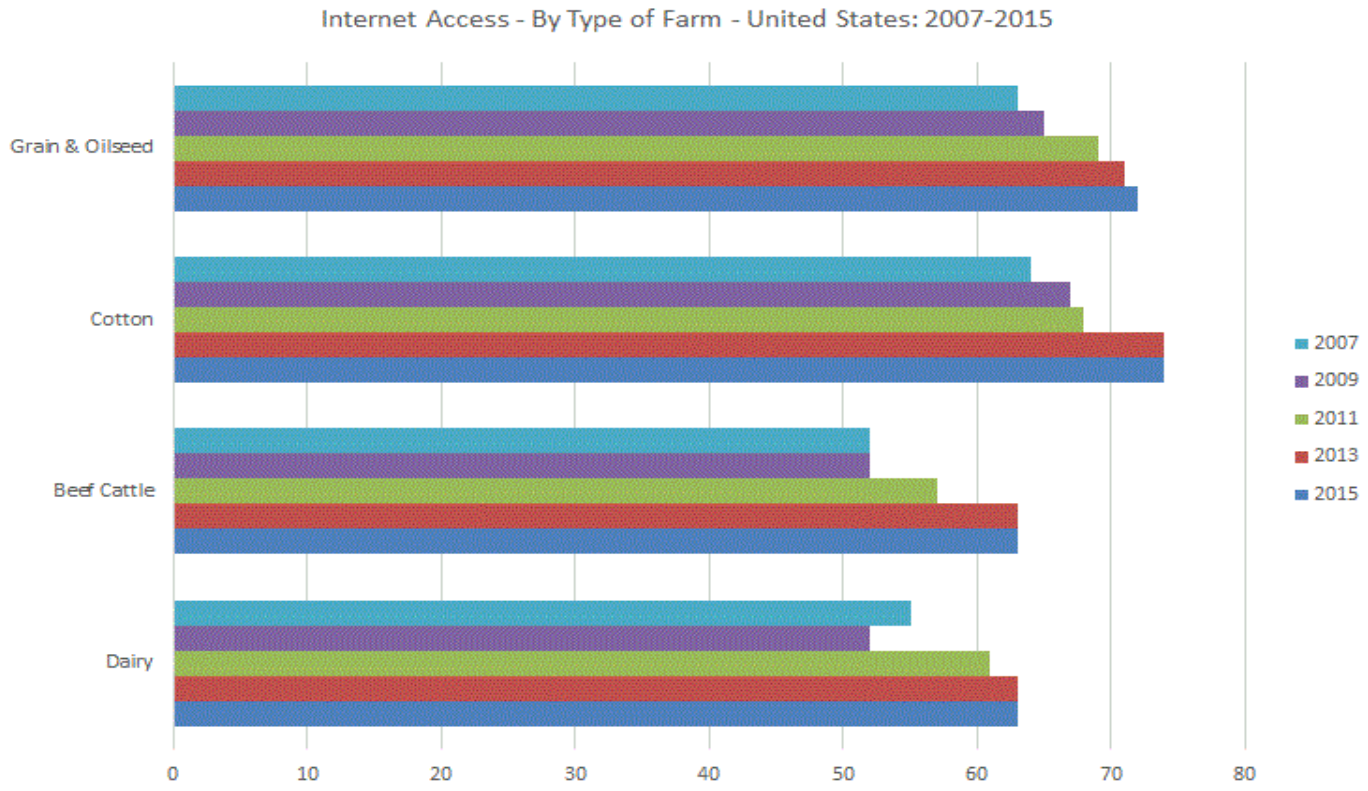


Farm Computer Usage by Economic Class, Type of Farm – United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms	53	56	59	69	71	72
$1,000 to $249,999	43	47	52	63	64	67
$250,000 or more	72	71	73	82	82	82
Cotton farms	54	58	58	68	74	74
$1,000 to $249,999	45	50	50	62	65	65
$250,000 or more	61	65	68	73	81	81
Beef cattle farms	32	35	38	57	63	63
$1,000 to $249,999	31	34	36	56	62	62
$250,000 or more	67	57	61	79	78	78
Dairy farms	49	50	50	61	63	63
$1,000 to $249,999	35	31	32	49	46	46
$250,000 or more	71	71	71	79	76	76
Crop farms	41	45	47	64	68	70
$1,000 to $249,999	34	38	40	60	65	65
$250,000 or more	73	73	76	83	83	83
Livestock farms	34	36	39	61	66	68
$1,000 to $249,999	32	34	37	59	65	65
$250,000 or more	69	67	67	79	77	77
All farms [1]	37	40	43	62	67	70
$1,000 to $249,999	33	36	38	60	65	66
$250,000 or more	72	72	73	82	82	82

[1] Excludes Alaska and Hawaii.



Primary Method of Internet Access by Economic Class, Type of Farm – United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms	9	5	3	35	31	26	10	11	11
$1,000 to $249,999	10	5	4	36	31	26	12	12	13
$250,000 or more	6	4	3	35	32	26	7	9	9
Cotton farms	9	3	4	38	33	38	8	8	8
$1,000 to $249,999	6	4	6	37	35	39	8	7	9
$250,000 or more	12	3	3	38	31	38	8	8	8
Beef cattle farms	15	7	4	37	39	31	12	9	11
$1,000 to $249,999	15	7	4	37	40	31	12	9	11
$250,000 or more	12	6	2	37	36	32	6	6	11
Dairy farms	12	7	4	41	37	35	7	10	14
$1,000 to $249,999	14	8	6	46	44	36	6	8	11
$250,000 or more	9	6	2	37	34	34	8	12	16
Crop farms	10	5	3	38	34	27	12	14	14
$1,000 to $249,999	11	5	3	38	34	27	13	15	15
$250,000 or more	6	4	3	37	34	27	9	10	10
Livestock farms	13	6	4	38	36	31	11	12	11
$1,000 to $249,999	13	6	4	38	36	30	11	12	11
$250,000 or more	10	6	1	36	37	33	8	8	13
All farms [1]	12	5	3	38	35	30	11	13	12
$1,000 to $249,999	12	6	3	38	35	29	12	13	13
$250,000 or more	7	4	2	37	35	30	9	10	11

[1] Excludes Alaska and Hawaii.

Primary Method of Internet Access by Economic Class, Type of Farm – United States: 2011, 2013, and 2015

[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		
	2011	2013	2015	2011	2013	2015	2011	2013	2015
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Grain and oilseed farms	14	15	17	28	32	36	4	6	7
$1,000 to $249,999	12	14	17	26	32	34	4	6	6
$250,000 or more	17	17	17	31	32	37	4	6	8
Cotton farms	18	22	23	24	27	25	3	7	2
$1,000 to $249,999	19	16	20	25	26	25	5	12	1
$250,000 or more	17	26	24	23	29	25	2	3	2
Beef cattle farms	16	18	19	16	22	29	4	5	6
$1,000 to $249,999	16	18	19	16	21	29	4	5	6
$250,000 or more	21	26	20	19	22	28	5	4	7
Dairy farms	14	15	16	23	25	27	3	6	4
$1,000 to $249,999	14	15	17	19	19	24	1	6	6
$250,000 or more	14	14	16	27	28	29	5	6	3
Crop farms	13	14	19	22	27	31	5	6	6
$1,000 to $249,999	12	14	18	21	26	30	5	6	7
$250,000 or more	15	17	18	28	29	34	5	6	8
Livestock farms	16	19	21	18	21	28	4	6	5
$1,000 to $249,999	16	19	21	18	21	28	4	6	6
$250,000 or more	19	20	20	23	23	27	4	6	6
All farms [1]	15	17	21	20	24	29	4	6	5
$1,000 to $249,999	14	17	21	20	23	28	4	6	6
$250,000 or more	16	17	18	26	28	32	5	6	7

[1] 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 2015 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 by States and United States: 2011, 2013, and 2014

[2015 number of farms not available until February 2016]

State	2011	2013	2014
	(number)	(number)	(number)
Alabama	45,000	43,500	43,400
Arizona	19,000	19,600	19,600
Arkansas	46,000	44,600	44,000
California	78,400	77,900	76,400
Colorado	36,600	35,600	35,000
Delaware	2,450	2,450	2,500
Florida	47,700	47,700	47,600
Georgia	43,400	42,000	41,100
Idaho	25,100	24,500	24,400
Illinois	75,500	75,100	74,500
Indiana	61,100	58,500	58,200
Iowa	88,900	88,500	88,000
Kansas	62,400	61,800	61,000
Kentucky	78,600	76,500	76,400
Louisiana	28,500	27,300	27,200
Maryland	12,400	12,400	12,300
Michigan	52,700	52,000	51,600
Minnesota	75,400	74,400	74,000
Mississippi	38,800	37,300	37,100
Missouri	101,000	99,000	97,700
Montana	28,700	28,100	27,800
Nebraska	49,700	49,600	49,100
Nevada	3,900	4,150	4,200
New Hampshire [1]	34,550	34,950	34,940
New Jersey	9,400	9,100	9,100
New Mexico	23,800	24,800	24,700
New York	35,800	35,500	35,500
North Carolina	50,800	50,000	49,500
North Dakota	31,100	30,800	30,300
Ohio	75,300	75,000	74,500
Oklahoma	81,500	80,100	79,600
Oregon	36,200	35,000	34,600
Pennsylvania	60,000	59,300	58,800
South Carolina	25,900	24,800	24,400
South Dakota	32,000	32,000	31,700
Tennessee	70,600	68,000	67,300
Texas	248,500	248,500	245,500
Utah	17,900	18,200	18,100
Virginia	46,100	46,000	45,900
Washington	37,800	37,000	36,700
West Virginia	21,900	21,400	21,300
Wisconsin	71,200	69,800	69,000
Wyoming	11,800	11,500	11,700
United States [2]	2,123,400	2,094,250	2,076,240

[1] Includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] 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 2015, 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. 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.

Reliability: The 2015 computer usage estimates are based on responses from over 27,846 agricultural operations and represent all sizes and types of farms. Coefficients of variations (CVs) at the national level in 2015 were 8 percent or less.

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@nass.usda.gov.

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Doug Farmer – Vegetable Chemical Use ..... (202) 720-7492
Ginger Harris – Census of Agriculture ..... (502) 582-5293
Steve Peterson – Farms, Land in Farms, Census ..... (202) 720-5581
Jackie Ross – Census of Agriculture ..... (202) 720-7644
Miste Salmon – Current Agricultural Industrial Reports ..... (202) 690-3226
Theresa Varner – Farm Labor, Chemical Use ..... (202) 690-2284

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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@nass.usda.gov.

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