



Quarterly Hogs and Pigs

ISSN: 1949-1921

Released September 28, 2017, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

United States Hog Inventory Up 2 Percent

United States inventory of all hogs and pigs on September 1, 2017 was 73.5 million head. This was up 2 percent from September 1, 2016, and up 3 percent from June 1, 2017.

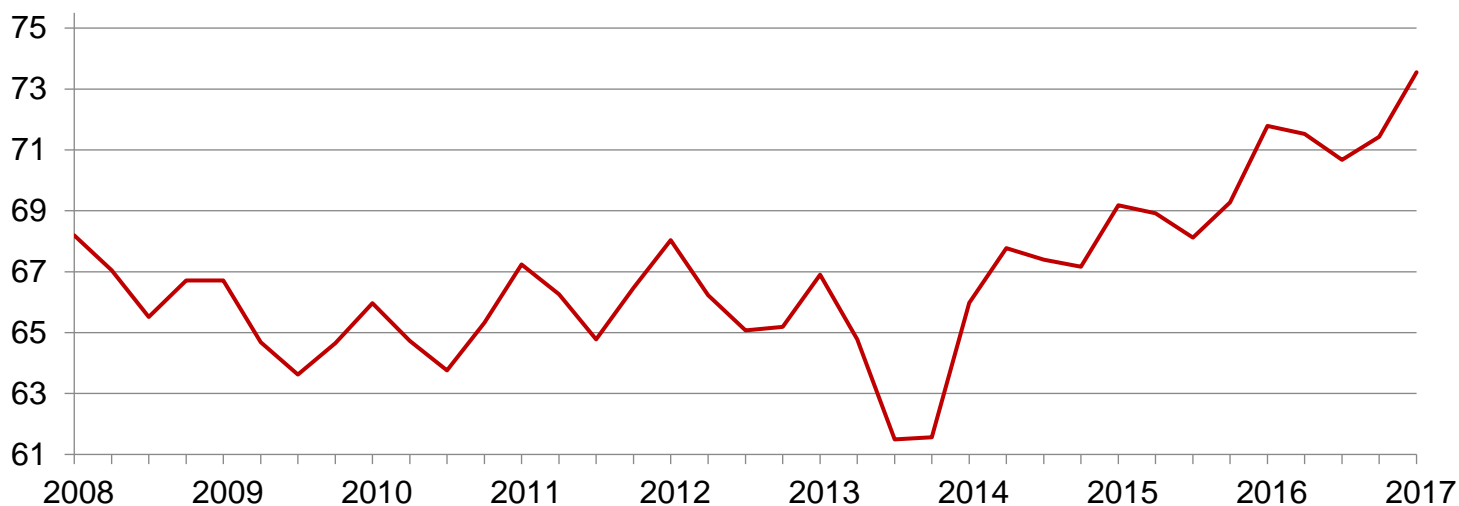
Breeding inventory, at 6.09 million head, was up 1 percent from last year, and up slightly from the previous quarter.

Market hog inventory, at 67.5 million head, was up 3 percent from last year, and up 3 percent from last quarter.

The June-August 2017 pig crop, at 33.0 million head, was up 2 percent from 2016. Sows farrowing during this period totaled 3.10 million head, up 2 percent from 2016. The sows farrowed during this quarter represented 51 percent of the breeding herd. The average pigs saved per litter was a record high of 10.65 for the June-August period, compared to 10.58 last year. Pigs saved per litter by size of operation ranged from 7.80 for operations with 1-99 hogs and pigs to 10.70 for operations with more than 5,000 hogs and pigs.

Quarterly Hogs and Pigs Inventory – United States: September 1

Million head



United States hog producers intend to have 3.07 million sows farrow during the September-November 2017 quarter, up 1 percent from the actual farrowings during the same period in 2016, and up 5 percent from 2015. Intended farrowings for December-February 2018, at 3.02 million sows, are up 1 percent from 2017, and up 3 percent from 2016.

The total number of hogs under contract owned by operations with over 5,000 head, but raised by contractees, accounted for 47 percent of the total United States hog inventory, unchanged from the previous year.

Revisions

All inventory and pig crop estimates for September 2016 through June 2017 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The net revision made to the September 2016 all hogs and pigs inventory was 1.3 percent. The net revision made to the March 2017 all hogs and pigs inventory was 0.4 percent. A revision of 0.8 percent was made to the December-February 2017 pig crop. A revision of 0.3 percent was made to the June 2017 all hogs and pigs inventory.

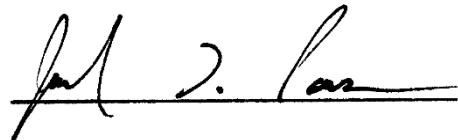
Records

Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 14.

This report was approved on September 28, 2017.



Secretary of Agriculture
Designate
Robert Johansson



Agricultural Statistics Board
Chairperson
Joseph L. Parsons

Contents

Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2016 and 2017	4
Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2015-2018.....	5
Pigs per Litter by Size of Operation – United States: 2016 and 2017	5
Breeding, Market, and Total Inventory – States and United States: March 1, 2016 and 2017.....	6
Market Inventory by Weight Group – States and United States: March 1, 2016 and 2017.....	6
Breeding, Market, and Total Inventory – States and United States: June 1, 2016 and 2017.....	7
Market Inventory by Weight Group – States and United States: June 1, 2016 and 2017.....	7
Breeding, Market, and Total Inventory – States and United States: September 1, 2016 and 2017	8
Market Inventory by Weight Group – States and United States: September 1, 2016 and 2017	8
Breeding, Market, and Total Inventory – States and United States: December 1, 2015 and 2016.....	9
Market Inventory by Weight Group – States and United States: December 1, 2015 and 2016.....	9
Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: December-February 2016-2018	10
Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2016 and 2017	10
Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2016 and 2017.....	11
Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 2015-2017	11
Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2016 and 2017.....	12
Statistical Methodology	13
Reliability of September 1 Hog Estimates	13
Records by Quarter – United States: 1866 to Present.....	14
Information Contacts	14

Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2016 and 2017

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Item	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory			
All hogs and pigs	68,124	70,671	104
Kept for breeding	5,980	6,068	101
Market	62,144	64,603	104
Market hogs and pigs by weight groups			
Under 50 pounds	19,897	20,407	103
50-119 pounds	17,198	17,862	104
120-179 pounds	13,819	14,435	104
180 pounds and over	11,229	11,899	106
June 1 inventory			
All hogs and pigs	69,281	71,430	103
Kept for breeding	5,979	6,069	102
Market	63,302	65,361	103
Market hogs and pigs by weight groups			
Under 50 pounds	20,356	21,017	103
50-119 pounds	18,198	18,831	103
120-179 pounds	13,291	13,646	103
180 pounds and over	11,456	11,867	104
September 1 inventory			
All hogs and pigs	71,786	73,549	102
Kept for breeding	6,016	6,087	101
Market	65,770	67,462	103
Market hogs and pigs by weight groups			
Under 50 pounds	21,215	21,568	102
50-119 pounds	19,271	19,626	102
120-179 pounds	13,600	14,129	104
180 pounds and over	11,683	12,139	104
December 1 inventory			
All hogs and pigs	71,525		
Kept for breeding	6,090		
Market	65,435		
Market hogs and pigs by weight groups			
Under 50 pounds	20,887		
50-119 pounds	18,102		
120-179 pounds	13,786		
180 pounds and over	12,660		

Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2015-2018

[May not add due to rounding. Blank data cells indicate estimation period has not yet begun]

Item	2015	2016	2017	2018	2017 as percent of		2018 as percent of 2017
					2015	2016	
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)	(percent)
Sows farrowing							
December-February ^{1 2}	2,895	2,927	2,986	3,025	103	102	101
March-May	2,854	2,968	3,060		107	103	
December-May ¹	5,749	5,896	6,046		105	103	
June-August	3,017	3,057	3,103		103	102	
September-November ³	2,929	3,046	3,070		105	101	
June-November ⁴	5,946	6,103	6,173		104	101	
Pig crop							
December-February ¹	29,627	30,139	31,138		105	103	
March-May	29,593	31,097	32,264		109	104	
December-May ¹	59,219	61,236	63,402		107	104	
June-August	31,343	32,331	33,048		105	102	
September-November	30,848	32,369					
June-November	62,191	64,700					
	(number)	(number)	(number)	(number)	(percent)	(percent)	(percent)
Pigs per litter							
December-February ¹	10.23	10.30	10.43		102	101	
March-May	10.37	10.48	10.55		102	101	
December-May ¹	10.30	10.39	10.49		102	101	
June-August	10.39	10.58	10.65		103	101	
September-November	10.53	10.63					
June-November	10.46	10.60					

¹ December preceding year.

² Intentions for 2018.

³ Intentions for 2017.

⁴ Actual farrowings for June-August plus intentions for September-November.

Pigs per Litter by Size of Operation – United States: 2016 and 2017

[December preceding year. Blank data cells indicate estimation period has not yet begun]

Pig crop	Pigs per litter on operations having ¹					
	1-99 head	100-499 head	500-999 head	1,000-1,999 head	2,000-4,999 head	5,000+ head
	(number)	(number)	(number)	(number)	(number)	(number)
2016						
December-February	8.00	8.70	9.10	9.50	10.10	10.40
March-May	8.10	8.80	9.20	9.60	10.20	10.50
June-August	8.20	8.90	9.30	9.70	10.30	10.60
September-November	8.20	8.90	9.30	9.70	10.40	10.70
2017						
December-February	8.00	8.70	9.10	9.50	10.20	10.50
March-May	7.70	8.40	9.00	9.40	10.30	10.60
June-August	7.80	8.50	9.10	9.50	10.40	10.70
September-November						

¹ Pigs per litter rounded to the nearest tenth.

Breeding, Market, and Total Inventory – States and United States: March 1, 2016 and 2017

[May not add due to rounding]

State	Breeding			Market			Total		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	150	155	103	550	545	99	700	700	100
Illinois	500	540	108	4,650	4,710	101	5,150	5,250	102
Indiana	260	280	108	3,490	3,770	108	3,750	4,050	108
Iowa	980	1,000	102	19,220	20,700	108	20,200	21,700	107
Kansas	175	165	94	1,755	1,815	103	1,930	1,980	103
Michigan	110	110	100	1,060	1,000	94	1,170	1,110	95
Minnesota	560	530	95	7,440	7,670	103	8,000	8,200	103
Missouri	385	445	116	2,615	2,655	102	3,000	3,100	103
Nebraska	420	415	99	2,980	2,935	98	3,400	3,350	99
North Carolina	880	880	100	7,920	8,320	105	8,800	9,200	105
Ohio	185	185	100	2,465	2,465	100	2,650	2,650	100
Oklahoma	480	445	93	1,660	1,655	100	2,140	2,100	98
Pennsylvania	110	100	91	1,030	1,050	102	1,140	1,150	101
South Dakota	190	200	105	1,220	1,250	102	1,410	1,450	103
Texas	110	120	109	750	790	105	860	910	106
Utah	75	80	107	595	620	104	670	700	104
Other States ¹	410	418	102	2,744	2,653	97	3,154	3,071	97
United States	5,980	6,068	101	62,144	64,603	104	68,124	70,671	104

¹ Individual State estimates not available for the 34 Other States.

Market Inventory by Weight Group – States and United States: March 1, 2016 and 2017

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2016	2017	2016	2017	2016	2017	2016	2017
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	260	250	100	110	90	95	100	90
Illinois	1,500	1,530	1,370	1,460	920	920	860	800
Indiana	1,040	1,030	980	1,050	730	810	740	880
Iowa	4,720	5,350	6,100	6,490	4,850	5,270	3,550	3,590
Kansas	490	455	465	485	375	345	425	530
Michigan	290	285	260	245	260	240	250	230
Minnesota	2,600	2,500	2,280	2,300	1,530	1,650	1,030	1,220
Missouri	1,250	1,350	535	515	420	400	410	390
Nebraska	1,000	960	780	745	660	650	540	580
North Carolina	3,180	3,140	1,730	1,860	1,710	1,800	1,300	1,520
Ohio	740	690	680	730	605	625	440	420
Oklahoma	690	740	335	300	310	270	325	345
Pennsylvania	270	265	315	315	270	280	175	190
South Dakota	430	455	330	325	240	240	220	230
Texas	190	170	205	220	160	175	195	225
Utah	265	265	110	115	120	130	100	110
Other States ¹	982	972	623	597	569	535	569	549
United States	19,897	20,407	17,198	17,862	13,819	14,435	11,229	11,899

¹ Individual State estimates not available for the 34 Other States.

Breeding, Market, and Total Inventory – States and United States: June 1, 2016 and 2017

[May not add due to rounding]

State	Breeding			Market			Total		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	145	155	107	565	565	100	710	720	101
Illinois	530	530	100	4,670	4,820	103	5,200	5,350	103
Indiana	260	260	100	3,590	3,740	104	3,850	4,000	104
Iowa	970	1,030	106	19,830	21,170	107	20,800	22,200	107
Kansas	175	160	91	1,765	1,800	102	1,940	1,960	101
Michigan	110	110	100	1,040	1,000	96	1,150	1,110	97
Minnesota	560	530	95	7,540	7,870	104	8,100	8,400	104
Missouri	395	440	111	2,605	2,860	110	3,000	3,300	110
Nebraska	425	420	99	3,075	2,980	97	3,500	3,400	97
North Carolina	890	880	99	8,210	8,020	98	9,100	8,900	98
Ohio	180	190	106	2,370	2,510	106	2,550	2,700	106
Oklahoma	470	450	96	1,700	1,570	92	2,170	2,020	93
Pennsylvania	100	105	105	1,050	1,095	104	1,150	1,200	104
South Dakota	190	200	105	1,210	1,290	107	1,400	1,490	106
Texas	100	125	125	790	785	99	890	910	102
Utah	75	75	100	605	605	100	680	680	100
Other States ¹	404	409	101	2,687	2,681	100	3,091	3,090	100
United States	5,979	6,069	102	63,302	65,361	103	69,281	71,430	103

¹ Individual State estimates not available for the 34 Other States.

Market Inventory by Weight Group – States and United States: June 1, 2016 and 2017

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2016	2017	2016	2017	2016	2017	2016	2017
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	265	255	120	120	95	100	85	90
Illinois	1,420	1,500	1,460	1,540	910	940	880	840
Indiana	1,020	970	1,120	1,140	700	770	750	860
Iowa	5,280	5,650	6,400	6,970	4,760	4,950	3,390	3,600
Kansas	470	490	490	490	310	355	495	465
Michigan	305	290	255	240	240	245	240	225
Minnesota	2,550	2,590	2,340	2,370	1,470	1,630	1,180	1,280
Missouri	1,315	1,410	540	580	350	435	400	435
Nebraska	960	1,005	840	785	685	615	590	575
North Carolina	3,180	3,290	1,970	1,870	1,560	1,400	1,500	1,460
Ohio	720	720	680	720	570	630	400	440
Oklahoma	760	685	370	340	250	230	320	315
Pennsylvania	255	295	330	345	280	280	185	175
South Dakota	425	455	325	345	250	240	210	250
Texas	205	165	230	235	190	175	165	210
Utah	255	245	115	120	125	130	110	110
Other States ¹	971	1,002	613	621	546	521	556	537
United States	20,356	21,017	18,198	18,831	13,291	13,646	11,456	11,867

¹ Individual State estimates not available for the 34 Other States.

Breeding, Market, and Total Inventory – States and United States: September 1, 2016 and 2017

[May not add due to rounding]

State	Breeding			Market			Total		
	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	145	160	110	575	600	104	720	760	106
Illinois	530	540	102	4,470	4,960	111	5,000	5,500	110
Indiana	280	260	93	3,720	3,890	105	4,000	4,150	104
Iowa	980	980	100	21,320	21,920	103	22,300	22,900	103
Kansas	180	165	92	1,830	1,835	100	2,010	2,000	100
Michigan	105	120	114	1,035	1,060	102	1,140	1,180	104
Minnesota	570	520	91	7,830	7,680	98	8,400	8,200	98
Missouri	395	440	111	2,805	3,060	109	3,200	3,500	109
Nebraska	420	410	98	3,180	3,040	96	3,600	3,450	96
North Carolina	890	900	101	8,410	8,300	99	9,300	9,200	99
Ohio	190	180	95	2,410	2,670	111	2,600	2,850	110
Oklahoma	455	455	100	1,785	1,775	99	2,240	2,230	100
Pennsylvania	95	110	116	1,055	1,100	104	1,150	1,210	105
South Dakota	195	215	110	1,215	1,325	109	1,410	1,540	109
Texas	100	135	135	830	885	107	930	1,020	110
Utah	75	80	107	625	590	94	700	670	96
Other States ¹	411	417	101	2,675	2,772	104	3,086	3,189	103
United States	6,016	6,087	101	65,770	67,462	103	71,786	73,549	102

¹ Individual State estimates not available for the 34 Other States.

Market Inventory by Weight Group – States and United States: September 1, 2016 and 2017

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2016	2017	2016	2017	2016	2017	2016	2017
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	270	275	125	125	85	105	95	95
Illinois	1,440	1,530	1,380	1,645	870	950	780	835
Indiana	1,050	1,050	1,130	1,180	720	780	820	880
Iowa	5,690	5,710	6,930	7,220	5,080	5,280	3,620	3,710
Kansas	500	475	515	505	365	355	450	500
Michigan	295	300	270	260	235	250	235	250
Minnesota	2,650	2,650	2,480	2,410	1,500	1,500	1,200	1,120
Missouri	1,375	1,485	600	640	400	460	430	475
Nebraska	990	1,015	950	835	640	600	600	590
North Carolina	3,260	3,350	2,080	1,900	1,600	1,550	1,470	1,500
Ohio	740	730	730	785	550	640	390	515
Oklahoma	775	760	440	440	250	275	320	300
Pennsylvania	270	305	345	325	250	280	190	190
South Dakota	435	450	325	365	230	260	225	250
Texas	240	230	240	250	160	160	190	245
Utah	250	230	130	120	130	130	115	110
Other States ¹	985	1,023	601	621	535	554	553	574
United States	21,215	21,568	19,271	19,626	13,600	14,129	11,683	12,139

¹ Individual State estimates not available for the 34 Other States.

Breeding, Market, and Total Inventory – States and United States: December 1, 2015 and 2016

[May not add due to rounding]

State	Breeding			Market			Total		
	2015	2016	2016 as percent of 2015	2015	2016	2016 as percent of 2015	2015	2016	2016 as percent of 2015
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	145	150	103	555	520	94	700	670	96
Illinois	490	540	110	4,610	4,560	99	5,100	5,100	100
Indiana	270	270	100	3,580	3,830	107	3,850	4,100	106
Iowa	1,030	1,030	100	19,870	21,370	108	20,900	22,400	107
Kansas	175	165	94	1,765	1,745	99	1,940	1,910	98
Michigan	110	110	100	1,010	1,010	100	1,120	1,120	100
Minnesota	560	550	98	7,540	7,750	103	8,100	8,300	102
Missouri	395	435	110	2,655	2,665	100	3,050	3,100	102
Nebraska	420	415	99	2,880	2,985	104	3,300	3,400	103
North Carolina	870	880	101	8,030	8,420	105	8,900	9,300	104
Ohio	190	200	105	2,310	2,500	108	2,500	2,700	108
Oklahoma	470	450	96	1,640	1,710	104	2,110	2,160	102
Pennsylvania	100	100	100	1,060	1,110	105	1,160	1,210	104
South Dakota	175	190	109	1,185	1,260	106	1,360	1,450	107
Texas	105	110	105	755	770	102	860	880	102
Utah	75	75	100	605	625	103	680	700	103
Other States ¹	422	420	100	2,867	2,605	91	3,289	3,025	92
United States	6,002	6,090	101	62,917	65,435	104	68,919	71,525	104

¹ Individual State estimates not available for the 34 Other States.

Market Inventory by Weight Group – States and United States: December 1, 2015 and 2016

[Weight groups may not add to market inventory due to rounding]

State	Under 50 pounds		50-119 pounds		120-179 pounds		180 pounds and over	
	2015	2016	2015	2016	2015	2016	2015	2016
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	240	220	120	120	90	95	105	85
Illinois	1,440	1,450	1,330	1,360	910	890	930	860
Indiana	1,050	1,040	920	1,090	760	790	850	910
Iowa	5,220	5,700	6,280	6,610	4,660	5,040	3,710	4,020
Kansas	430	455	405	520	410	320	520	450
Michigan	275	295	250	260	240	215	245	240
Minnesota	2,660	2,650	2,200	2,300	1,470	1,530	1,210	1,270
Missouri	1,290	1,340	525	520	400	375	440	430
Nebraska	950	955	750	790	580	650	600	590
North Carolina	3,050	3,160	1,880	1,950	1,590	1,680	1,510	1,630
Ohio	620	750	620	660	620	600	450	490
Oklahoma	700	735	345	360	260	275	335	340
Pennsylvania	255	320	335	335	270	245	200	210
South Dakota	405	445	320	325	215	245	245	245
Texas	205	170	205	190	165	175	180	235
Utah	245	250	115	120	125	130	120	125
Other States ¹	973	952	662	592	605	531	626	530
United States	20,008	20,887	17,262	18,102	13,370	13,786	12,276	12,660

¹ Individual State estimates not available for the 34 Other States.

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: December-February 2016-2018

[December preceding year. May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2016	2017	2018 ²	2018 as percent of 2017	2016	2017	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	75	76	75	99	9.75	9.90	731	752	103
Illinois	250	265	265	100	10.35	10.20	2,588	2,703	104
Indiana	140	145	135	93	10.20	10.25	1,428	1,486	104
Iowa	500	520	500	96	10.70	10.75	5,350	5,590	104
Kansas	90	79	84	106	10.20	10.00	918	790	86
Michigan	51	50	57	114	10.60	10.40	541	520	96
Minnesota	275	260	290	112	11.10	11.35	3,053	2,951	97
Missouri	195	220	235	107	9.65	10.05	1,882	2,211	117
Nebraska	175	180	180	100	11.30	11.55	1,978	2,079	105
North Carolina	460	460	465	101	9.90	9.90	4,554	4,554	100
Ohio	91	91	92	101	10.10	10.80	919	983	107
Oklahoma	200	200	195	98	10.30	10.30	2,060	2,060	100
Pennsylvania	49	46	50	109	10.20	10.30	500	474	95
South Dakota	96	102	104	102	10.75	11.30	1,032	1,153	112
Texas	47	50	62	124	8.00	9.90	376	495	132
Utah	39	39	36	92	8.70	8.70	339	339	100
Other States ³	194	203	200	98	9.73	9.84	1,890	1,998	106
United States	2,927	2,986	3,025	101	10.30	10.43	30,139	31,138	103

¹ Number of pigs born December-February that were still on hand March 1, or had been sold.

² Intentions.

³ Individual State estimates not available for the 34 Other States.

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2016 and 2017

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	2016	2017	2017 as percent of 2016	2016	2017	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	77	77	100	10.20	10.40	785	801	102
Illinois	255	265	104	10.40	10.55	2,652	2,796	105
Indiana	131	140	107	10.40	10.50	1,362	1,470	108
Iowa	500	540	108	10.90	10.95	5,450	5,913	108
Kansas	85	82	96	10.50	10.00	893	820	92
Michigan	48	50	104	10.50	10.50	504	525	104
Minnesota	285	290	102	11.05	11.40	3,149	3,306	105
Missouri	205	225	110	9.95	10.25	2,040	2,306	113
Nebraska	185	185	100	11.40	11.45	2,109	2,118	100
North Carolina	475	470	99	10.25	10.00	4,869	4,700	97
Ohio	88	97	110	10.50	10.60	924	1,028	111
Oklahoma	200	195	98	10.30	10.60	2,060	2,067	100
Pennsylvania	51	51	100	10.30	10.50	525	536	102
South Dakota	94	101	107	10.75	11.35	1,011	1,146	113
Texas	46	52	113	7.85	7.30	361	380	105
Utah	41	39	95	9.40	9.00	385	351	91
Other States ²	202	201	99	9.97	9.98	2,018	2,001	99
United States	2,968	3,060	103	10.48	10.55	31,097	32,264	104

¹ Number of pigs born March-May that were still on hand June 1, or had been sold.

² Individual State estimates not available for the 34 Other States.

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2016 and 2017

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	2016	2017	2017 as percent of 2016	2016	2017	2016	2017	2017 as percent of 2016
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	78	78	100	10.10	10.90	788	850	108
Illinois	260	270	104	10.55	10.75	2,743	2,903	106
Indiana	145	135	93	10.60	10.35	1,537	1,397	91
Iowa	510	530	104	11.00	11.20	5,610	5,936	106
Kansas	89	85	96	10.50	10.60	935	901	96
Michigan	50	53	106	10.50	10.80	525	572	109
Minnesota	310	295	95	11.10	11.40	3,441	3,363	98
Missouri	215	235	109	10.10	10.15	2,172	2,385	110
Nebraska	185	190	103	11.35	11.65	2,100	2,214	105
North Carolina	485	480	99	10.20	10.05	4,947	4,824	98
Ohio	92	97	105	10.60	10.70	975	1,038	106
Oklahoma	200	205	103	10.65	10.60	2,130	2,173	102
Pennsylvania	48	50	104	10.45	10.60	502	530	106
South Dakota	97	105	108	10.75	11.30	1,043	1,187	114
Texas	45	52	116	9.30	7.80	419	406	97
Utah	39	36	92	9.50	9.00	371	324	87
Other States ²	209	207	99	10.03	9.88	2,093	2,045	98
United States	3,057	3,103	102	10.58	10.65	32,331	33,048	102

¹ Number of pigs born June-August that were still on hand September 1, or had been sold.

² Individual State estimates not available for the 34 Other States.

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 2015-2017

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2015	2016	2017 ²	2017 as percent of 2016	2015	2016	2015	2016	2016 as percent of 2015
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	70	74	76	103	9.95	10.40	697	770	110
Illinois	235	260	270	104	10.35	10.60	2,432	2,756	113
Indiana	135	140	140	100	10.40	10.30	1,404	1,442	103
Iowa	530	560	520	93	11.00	10.90	5,830	6,104	105
Kansas	86	82	83	101	10.40	10.60	894	869	97
Michigan	51	49	57	116	10.70	10.60	546	519	95
Minnesota	285	300	295	98	11.10	11.20	3,164	3,360	106
Missouri	195	210	240	114	10.40	10.45	2,028	2,195	108
Nebraska	180	180	185	103	11.15	11.60	2,007	2,088	104
North Carolina	450	460	470	102	10.15	10.30	4,568	4,738	104
Ohio	91	96	91	95	10.50	10.50	956	1,008	105
Oklahoma	195	195	195	100	10.40	10.55	2,028	2,057	101
Pennsylvania	46	50	50	100	10.40	10.50	478	525	110
South Dakota	91	100	105	105	10.85	10.90	987	1,090	110
Texas	47	48	60	125	9.40	9.90	442	475	107
Utah	39	38	37	97	9.50	9.00	371	342	92
Other States ³	203	204	196	96	9.93	9.96	2,016	2,031	101
United States	2,929	3,046	3,070	101	10.53	10.63	30,848	32,369	105

¹ Number of pigs born September-November that were still on hand December 1, or had been sold.

² Intentions.

³ Individual State estimates not available for the 34 Other States.

Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2016 and 2017

[December preceding year]

Month	Sows farrowing ¹		Pigs per litter		Pig crop ¹	
	2016	2017	2016	2017	2016	2017
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December	977	1,006	10.35	10.44	10,109	10,498
January	993	992	10.29	10.39	10,214	10,306
February	957	988	10.25	10.46	9,816	10,334
March	1,022	1,051	10.45	10.54	10,673	11,074
April	964	991	10.50	10.56	10,117	10,457
May	983	1,018	10.49	10.55	10,308	10,734
June	1,033	1,059	10.52	10.56	10,865	11,179
July	1,014	1,019	10.56	10.65	10,712	10,850
August	1,009	1,026	10.65	10.74	10,753	11,020
September	1,041		10.65		11,083	
October	1,010		10.63		10,740	
November	995		10.60		10,546	
Total	11,998		10.50		125,936	

¹ Monthly values may not add to quarterly or annual totals due to rounding.

Statistical Methodology

Survey Procedures: A random sample of roughly 7,500 United States producers was surveyed to provide data for these estimates. Survey procedures ensured that all hog and pig producers, regardless of size, had a chance to be included in the survey. Large operations were sampled more heavily than small operations. During the first half of September 2017, data were collected from about 5,500 operations, 72 percent of the total sample. The data collected were received by electronic data reporting, mail, telephone, and face-to-face personal interviews. Regardless of when operations responded, they were asked to report inventories as of September 1, 2017.

Estimating Procedures: Hogs and pigs estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each field office. National and State survey data were reviewed for reasonableness with each other and with estimates from past years using a balance sheet. The balance sheet begins with the previous inventory estimate, adds the estimates of births and imports, and subtracts the estimates of slaughter, exports, and deaths. This indicated ending inventory level is compared to the Agricultural Statistics Board estimate for reasonableness.

Revision Policy: Revisions to previous estimates are made to improve quarter to quarter relationships. Estimates for the previous four quarters are subject to revision when current estimates are made. In December, estimates for all quarters of the current and previous year are reviewed. The reviews are primarily based on hog check-off receipts and slaughter. Estimates will also be reviewed after data from the Department of Agriculture five-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: Since all operations raising hogs are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplication, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "**Root Mean Square Error**" is shown for selected items in the following table. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the difference between first and final estimates. The "Root Mean Square Error" for hog inventory estimates over the past 20 quarters is 1.4 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 73.5 million head by more than 1.4 percent. Chances are 9 out of 10 that the difference will not exceed 2.4 percent.

Reliability of September 1 Hog Estimates

[Based on data for the previous twenty quarters]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Years	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
All hogs and pigs	1.4	2.4	795	25.4	1,726	11	9
Pig crop	2.4	4.1	568	0	1,260	12	7
Expected farrowings							
Next quarter	3.0	5.2	74	4	167	11	9
Following quarter	3.2	5.5	77	5	197	11	9

Records by Quarter – United States: 1866 to Present

[This table provides data users with record high estimates of all hogs and pigs, market hogs, pig crop, and pigs per litter since each data series began]

Item	Estimate	Record high	Series began
	(1,000 head)	(year)	(year)
All hogs and pigs			
March 1	70,671	2017	1988
June 1	71,430	2017	1964
September 1	73,549	2017	1988
December 1	83,741	1943	1866
Market			
March 1	64,603	2017	1988
June 1	65,361	2017	1964
September 1	67,462	2017	1988
December 1	65,435	2016	1963
Pig crop			
December-February ¹	31,138	2017	1970
March-May	32,355	1970	1970
June-August	33,048	2017	1970
September-November	32,369	2016	1970
Pigs per litter			
	(number)	(year)	(year)
December-February ¹	10.43	2017	1970
March-May	10.55	2017	1970
June-August	10.65	2017	1970
September-November	10.63	2016	1970

¹ December preceding year.

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

Vacant, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 720-3240
David Colwell – Sheep and Goats	(202) 720-8784
Donnie Fike – Dairy Products	(202) 690-3236
Michael Klamm – Cattle, Cattle on Feed	(202) 720-3040
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Seth Riggins – Hogs and Pigs	(202) 720-3106

Access to NASS Reports

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

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

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.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)

If you wish to file a Civil Rights program complaint of discrimination, complete the [USDA Program Discrimination Complaint Form](#) (PDF), found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.

USDA NASS Data Users' Meeting Tuesday, October 24, 2017

**Embassy Suites Hotel Kansas City Plaza
220 West 43rd Street
Kansas City, MO 64111
816-756-1720**

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2017 Data Users' Meeting in cooperation with five other USDA agencies Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php) or contact Zisa Lubarov-Walton (NASS) at 202-720-8141 or at zisa.lubarov-walton@nass.usda.gov.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, October 25, 2017. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>) or contact James Robb at (303) 716-9933.