

# **Quarterly Hogs and Pigs**

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#### **United States Hog Inventory Up 4 Percent**

**United States inventory** of all hogs and pigs on March 1, 2017 was 71.0 million head. This was up 4 percent from March 1, 2016, but down 1 percent from December 1, 2016.

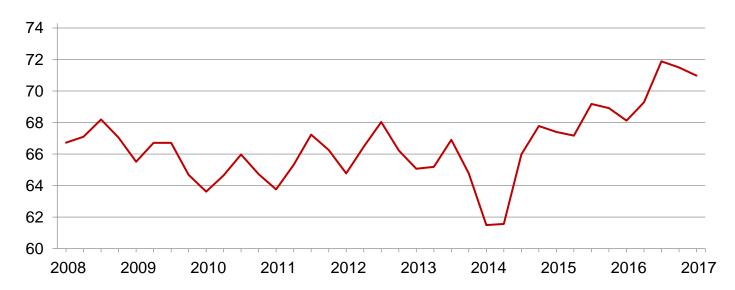
**Breeding inventory,** at 6.07 million head, was up 1 percent from last year, but down slightly from the previous quarter.

**Market hog inventory**, at 64.9 million head, was up 4 percent from last year, but down 1 percent from last quarter.

**The December 2016-February 2017 pig crop,** at 31.4 million head, was up 4 percent from 2016. Sows farrowing during this period totaled 3.01 million head, up 3 percent from 2016. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was a record high of 10.43 for the December-February period, compared to 10.30 last year. Pigs saved per litter by size of operation ranged from 8.00 for operations with 1-99 hogs and pigs to 10.50 for operations with more than 5,000 hogs and pigs.

# Quarterly Hogs and Pigs Inventory – United States: March 1

#### Million head



**United States hog producers** intend to have 3.01 million sows farrow during the March-May 2017 quarter, up 1 percent from the actual farrowings during the same period in 2016, and up 5 percent from 2015. Intended farrowings for June-August 2017, at 3.05 million sows, are down slightly from 2016, but up 1 percent from 2015.

The total number of hogs under contract owned by operations with over 5,000 head, but raised by contractees, accounted for 48 percent of the total United States hog inventory, the same as previous year.

#### **Revisions**

All inventory and pig crop estimates for March 2016 through December 2016 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 1.5 percent. A revision of 1.2 percent was made to the June-August 2016 pig crop. There were no revisions made to the December 2016 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 March 30, 2017.

Secretary of Agriculture
Designate

Robert Johansson

Agricultural Statistics Board

Chairperson

Joseph L. Parsons

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# 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	70,976	104
Kept for breeding	5,980	6,068	101
Market	62,144	64,908	104
Market hogs and pigs by weight groups			
Under 50 pounds	19,897	20,617	104
50-119 pounds	17,198	17,902	104
120-179 pounds	13,819	14,570	105
180 pounds and over	11,229	11,819	105
June 1 inventory			
All hogs and pigs	69,281		
Kept for breeding	5,979		
Market	63,302		
Market hogs and pigs by weight groups			
Under 50 pounds	20,356		
50-119 pounds	18,198		
120-179 pounds	13,291		
180 pounds and over	11,456		
September 1 inventory			
All hogs and pigs	71,886		
Kept for breeding	6,016		
Market	65,870		
Market hogs and pigs by weight groups			
Under 50 pounds	21,215		
50-119 pounds	19,276		
120-179 pounds	13,665		
180 pounds and over	11,713		
December 1 inventory			
All hogs and pigs	71,500		
Kept for breeding	6,090		
Market	65,410		
Market hogs and pigs by weight groups			
Market hogs and pigs by weight groups	20.992		
Under 50 pounds	20,882		
50-119 pounds	18,037		
120-179 pounds	13,831		
180 pounds and over	12,660		

# Sows Farrowing, Pig Crop, and Pigs per Litter - United States: 2015-2017

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

ltom	2015	2016	2017	2017 as p	ercent of
Item	2015	2016	2017	2015	2016
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Sows farrowing					
December-February	2,895	2,927	3,010	104	103
March-May <sup>1</sup>	2,854	2,968	3,010	105	101
December-May <sup>2 3</sup>	5,749	5,896	6,020	105	102
June-August <sup>1</sup>	3,017	3,057	3,045	101	100
September-November	2,929	3,043	2,2 12		
June-November <sup>3</sup>	5,946	6,100			
Pig crop					
December-February	29,627	30,139	31,400	106	104
March-May	29,593	31,097	0.,.00		
December-May <sup>3</sup>	59,219	61,236			
June-August	31,343	32,331			
September-November	30,848	32,333			
June-November <sup>3</sup>	62,191	64,664			
	(number)	(number)	(number)	(percent)	(percent)
D'un un a l'un a	(Hullibel)	(Humber)	(Humber)	(percent)	(percent)
Pigs per litter	40.00	40.00	40.40	400	404
December-February	10.23	10.30	10.43	102	101
March-May	10.37	10.48			
December-May	10.30	10.39			
June-August	10.39	10.58			
September-November	10.53	10.63			
June-November	10.46	10.60			

<sup>&</sup>lt;sup>1</sup> Intentions for 2017.

## 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]

	Pigs per litter on operations having <sup>1</sup>									
Pig crop	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										
June-August										
September-November										

<sup>&</sup>lt;sup>1</sup> Pigs per litter rounded to the nearest tenth.

Actual farrowings for December 2016-February 2017 plus intentions for March-May 2017.
 May not add due to rounding.

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

[May not add due to rounding]

		Breeding			Market			Total			
State	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 Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Carolina	980 175 110 560 385	155 540 280 1,000 165 110 530 445 415 880	103 108 108 102 94 100 95 116 99	550 4,650 3,490 19,220 1,755 1,060 7,440 2,615 2,980 7,920	555 4,710 3,820 20,800 1,825 1,000 7,770 2,655 2,935 8,320	101 109 108 104 94 104 102 98 105	700 5,150 3,750 20,200 1,930 1,170 8,000 3,000 3,400 8,800	710 5,250 4,100 21,800 1,990 1,110 8,300 3,100 3,350 9,200	101 102 109 108 103 95 104 103 99		
Ohio Oklahoma Pennsylvania South Dakota Texas Utah Other States 1	480	185 445 100 200 120 80	100 93 91 105 109 107	2,465 1,660 1,030 1,220 750 595	2,465 1,665 1,060 1,250 800 620 2,658	100 100 103 102 107 104	2,650 2,140 1,140 1,410 860 670	2,650 2,110 1,160 1,450 920 700 3,076	100 99 102 103 107 104		
United States	5,980	6,068	101	62,144	64,908	104	68,124	70,976	104		

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

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

State		der ounds	50- pou	119 nds	120- pou	-179 nds	180 pounds and over	
	2016	2017	2016	2017	2016	2017	2016	2017
	(1,000 head)	(1,000 head)						
Colorado	260	260	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	860	740	880
lowa	4,720	5,450	6,100	6,490	4,850	5,300	3,550	3,560
Kansas	490	455	465	495	375	345	425	530
Michigan	290	285	260	245	260	240	250	230
Minnesota	2,600	2,580	2,280	2,320	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	1,840	1,300	1,480
Ohio	740	690	680	730	605	625	440	420
Oklahoma	690	745	335	305	310	270	325	345
Pennsylvania	270	270	315	320	270	280	175	190
South Dakota	430	455	330	325	240	240	220	230
Texas	190	180	205	220	160	175	195	225
Utah	265	265	110	115	120	130	100	110
Other States <sup>1</sup>	982	972	623	597	569	550	569	539
United States	19,897	20,617	17,198	17,902	13,819	14,570	11,229	11,819

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

### Breeding, Market, and Total Inventory - States and United States: June 1, 2015 and 2016

[May not add due to rounding]

		Breeding			Market			Total			
State	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	1,000 180 110 550	145 530 260 970 175 110 560 395 425 890	100 108 96 97 97 100 102 100 104 101	555 4,160 3,380 20,000 1,690 990 7,600 2,505 2,790 7,120	565 4,670 3,590 19,830 1,765 1,040 7,540 2,605 3,075 8,210	102 112 106 99 104 105 99 104 110	700 4,650 3,650 21,000 1,870 1,100 8,150 2,900 3,200 8,000	710 5,200 3,850 20,800 1,940 1,150 8,100 3,000 3,500 9,100	101 112 105 99 104 105 99 103 109		
Ohio	185 440 105 170 105 75	180 470 100 190 100 75	97 107 95 112 95 100	2,195 1,790 1,065 1,150 775 645	2,370 1,700 1,050 1,210 790 605	108 95 99 105 102 94	2,380 2,230 1,170 1,320 880 720	2,550 2,170 1,150 1,400 890 680 3,091	107 97 98 106 101 94		
United States	5,926	5,979	101	61,240	63,302	103	67,165	69,281	103		

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

### Market Inventory by Weight Group - States and United States: June 1, 2015 and 2016

State		der ounds	50- pou	119 nds	_	-179 nds	180 pounds and over	
	2015	2016	2015	2016	2015	2016	2015	2016
	(1,000 head)	(1,000 head)						
Colorado	270	265	125	120	80	95	80	85
Illinois	1,250	1,420	1,240	1,460	890	910	780	880
Indiana	940	1,020	1,000	1,120	670	700	770	750
lowa	5,070	5,280	6,410	6,400	4,820	4,760	3,700	3,390
Kansas	430	470	505	490	345	310	410	495
Michigan	275	305	255	255	240	240	220	240
Minnesota	2,570	2,550	2,300	2,340	1,540	1,470	1,190	1,180
Missouri	1,245	1,315	485	540	370	350	405	400
Nebraska	860	960	765	840	630	685	535	590
North Carolina	2,830	3,180	1,650	1,970	1,320	1,560	1,320	1,500
Ohio	630	720	660	680	535	570	370	400
Oklahoma	740	760	380	370	290	250	380	320
Pennsylvania	290	255	345	330	230	280	200	185
South Dakota	405	425	320	325	220	250	205	210
Texas	230	205	205	230	145	190	195	165
Utah	280	255	130	115	115	125	120	110
Other States <sup>1</sup>	1,050	971	686	613	545	546	549	556
United States	19,365	20,356	17,461	18,198	12,985	13,291	11,429	11,456

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

### Breeding, Market, and Total Inventory - States and United States: September 1, 2015 and 2016

[May not add due to rounding]

		Breeding			Market			Total	
State	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 Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Carolina	1,000 180 110 560 400	145 530 280 980 180 105 570 395 420 890	100 106 100 98 100 95 102 99 102 101	615 4,300 3,570 20,500 1,780 1,000 7,390 2,700 2,840 7,920	575 4,520 3,770 21,320 1,830 1,035 7,830 2,805 3,180 8,410	93 105 106 104 103 104 106 104 112	760 4,800 3,850 21,500 1,960 1,110 7,950 3,100 3,250 8,800	720 5,050 4,050 22,300 2,010 1,140 8,400 3,200 3,600 9,300	95 105 105 104 103 103 106 103 111 106
Ohio	470	190 455 95 195 100 75	103 97 95 115 95 100	2,235 1,770 1,090 1,170 765 675	2,410 1,785 1,055 1,215 830 625	108 101 97 104 108 93	2,420 2,240 1,190 1,340 870 750	2,600 2,240 1,150 1,410 930 700	107 100 97 105 107 93
United States	5,986	6,016	101	63,200	65,870	104	69,185	71,886	104

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

### Market Inventory by Weight Group - States and United States: September 1, 2015 and 2016

State	_	der ounds		119 Inds		-179 Inds	180 pounds and over	
	2015	2016	2015	2016	2015	2016	2015	2016
	(1,000 head)	(1,000 head)						
Colorado	310	270	120	125	80	85	105	95
Illinois	1,370	1,440	1,330	1,380	810	910	790	790
Indiana	1,040	1,050	1,050	1,130	720	750	760	840
lowa	5,440	5,690	6,700	6,930	4,880	5,080	3,480	3,620
Kansas	490	500	505	515	305	365	480	450
Michigan	305	295	250	270	215	235	230	235
Minnesota	2,600	2,650	2,250	2,480	1,390	1,500	1,150	1,200
Missouri	1,295	1,375	590	600	400	400	415	430
Nebraska	910	990	810	950	590	640	530	600
North Carolina	3,260	3,260	2,000	2,080	1,410	1,600	1,250	1,470
Ohio	660	740	700	730	505	550	370	390
Oklahoma	805	775	430	440	260	250	275	320
Pennsylvania	285	270	380	345	225	250	200	190
South Dakota	435	435	315	325	205	230	215	225
Texas	190	240	215	240	180	160	180	190
Utah	280	250	140	130	130	130	125	115
Other States <sup>1</sup>	1,066	985	711	606	550	530	553	553
United States	20,741	21,215	18,496	19,276	12,855	13,665	11,108	11,713

<sup>&</sup>lt;sup>1</sup> 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]

		Breeding			Market			Total	
State	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
lowa	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	1,000	99	1,120	1,110	99
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	1,700	104	2,110	2,150	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 <sup>1</sup>	422	420	100	2,867	2,600	91	3,289	3,020	92
United States	6,002	6,090	101	62,917	65,410	104	68,919	71,500	104

<sup>&</sup>lt;sup>1</sup> Individual State estimates not available for the 34 Other States.

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

State		der ounds		119 Inds	_	-179 nds	180 pounds and over	
	2015	2016	2015	2016	2015	2016	2015	2016
	(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	1,080	760	800	850	910
lowa	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	250	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	1,940	1,590	1,690	1,510	1,630
Ohio	620	750	620	650	620	610	450	490
Oklahoma	700	735	345	340	260	285	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 <sup>1</sup>	973	947	662	587	605	536	626	530
United States	20,008	20,882	17,262	18,037	13,370	13,831	12,276	12,660

<sup>&</sup>lt;sup>1</sup> 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 and 2017

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

	Sows farrowing			Pigs pe	er litter	Pig crop <sup>1</sup>		
State	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 Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Carolina	75 250 140 500 90 51 275 195 175 460	77 265 145 530 80 50 270 220 180 460	103 106 104 106 89 98 98 113 103	9.75 10.35 10.20 10.70 10.20 10.60 11.10 9.65 11.30 9.90	9.90 10.20 10.25 10.75 10.00 10.40 11.35 10.05 11.55 9.90	731 2,588 1,428 5,350 918 541 3,053 1,882 1,978 4,554	762 2,703 1,486 5,698 800 520 3,065 2,211 2,079 4,554	104 104 104 107 87 96 100 117 105
Ohio Oklahoma Pennsylvania South Dakota Texas Utah Other States <sup>2</sup>	91 200 49 96 47 39	91 200 47 102 51 39	100 100 96 106 109 100	10.10 10.30 10.20 10.75 8.00 8.70	10.80 10.30 10.30 11.30 9.90 8.70	919 2,060 500 1,032 376 339	983 2,060 484 1,153 505 339	107 100 97 112 134 100
United States	2,927	3,010	103	10.30	10.43	30,139	31,400	104

<sup>&</sup>lt;sup>1</sup> Number of pigs born December-February that were still on hand March 1, or had been sold.

### Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2015-2017

[May not add due to rounding]

		Sows fa	arrowing		Pigs p	er litter	Pig crop <sup>1</sup>		
State	2015	2016	2017 <sup>2</sup>	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 Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Carolina	70 230 130 495 84 50 275 200 170 445	77 255 131 500 85 48 285 205 185 475	71 270 145 520 83 53 280 230 180 455	92 106 111 104 98 110 98 112 97	10.00 10.50 10.50 10.60 9.95 10.70 11.05 10.40 11.20 9.30	10.20 10.40 10.40 10.90 10.50 11.05 9.95 11.40 10.25	700 2,415 1,365 5,247 836 535 3,039 2,080 1,904 4,139	785 2,652 1,362 5,450 893 504 3,149 2,040 2,109 4,869	112 110 100 104 107 94 104 98 111
Ohio	89 195 49 86 50 41	88 200 51 94 46 41	91 192 49 103 53 38	103 96 96 110 115 93	10.60 10.35 10.30 10.95 9.50 9.80	10.50 10.30 10.30 10.75 7.85 9.40	943 2,018 505 942 475 402 2,048	924 2,060 525 1,011 361 385 2,018	98 102 104 107 76 96
United States	2,854	2,968	3,010	101	10.37	10.48	29,593	31,097	105

<sup>&</sup>lt;sup>1</sup> Number of pigs born March-May that were still on hand June 1, or had been sold.

<sup>&</sup>lt;sup>2</sup> Individual State estimates not available for the 34 Other States.

<sup>&</sup>lt;sup>2</sup> Intentions

<sup>&</sup>lt;sup>3</sup> Individual State estimates not available for the 34 Other States.

Sows Farrowing, Pigs per Litter, and Pig Crop - States and United States: June-August 2015-2017

[May not add due to rounding]

		Sows fa	arrowing		Pigs p	er litter		Pig crop <sup>1</sup>		
State	2015	2016	2017 <sup>2</sup>	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 Illinois Indiana Iowa Kansas Michigan Minnesota Missouri Nebraska North Carolina	510 90 52 305	78 260 145 510 89 50 310 215 185 485	73 275 140 525 83 53 290 235 180 450	94 106 97 103 93 106 94 109 97	10.10 10.15 10.60 10.80 10.30 11.00 11.15 9.85 11.10 9.70	10.10 10.55 10.60 11.00 10.50 11.10 10.10 11.35 10.20	717 2,639 1,537 5,508 927 572 3,401 2,118 1,998 4,559	788 2,743 1,537 5,610 935 525 3,441 2,172 2,100 4,947	110 104 100 102 101 92 101 103 105 109	
Ohio	92 195 49 91 49 43	92 200 48 97 45 39 209	92 194 48 103 57 37	100 97 100 106 127 95	10.50 10.40 10.40 10.85 9.00 9.60	10.60 10.65 10.45 10.75 9.30 9.50	966 2,028 510 987 441 413	975 2,130 502 1,043 419 371 2,093	101 105 98 106 95 90	
United States	3,017	3,057	3,045	100	10.39	10.58	31,343	32,331	103	

<sup>&</sup>lt;sup>1</sup> Number of pigs born June-August that were still on hand September 1, or had been sold.

# Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 2015 and 2016

[May not add due to rounding]

		Sows Farrowing		Pigs p	er litter	Pig crop <sup>1</sup>			
State	2015	2016	2016 as percent of 2015	2015	2016	2015	2016	2016 as percent of 2015	
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)	
Colorado	70	73	104	9.95	10.40	697	759	109	
Illinois	235	260	111	10.35	10.60	2,432	2,756	113	
Indiana	135	140	104	10.40	10.30	1,404	1,442	103	
lowa	530	560	106	11.00	10.90	5,830	6,104	105	
Kansas	86	82	95	10.40	10.60	894	869	97	
Michigan	51	49	96	10.70	10.60	546	519	95	
Minnesota	285	300	105	11.10	11.20	3,164	3,360	106	
Missouri	195	210	108	10.40	10.45	2,028	2,195	108	
Nebraska	180	180	100	11.15	11.60	2,007	2,088	104	
North Carolina	450	460	102	10.15	10.30	4,568	4,738	104	
Ohio	91	95	104	10.50	10.50	956	998	104	
Oklahoma	195	195	100	10.40	10.55	2,028	2,057	101	
Pennsylvania	46	49	107	10.40	10.50	478	515	108	
South Dakota	91	100	110	10.85	10.90	987	1,090	110	
Texas	47	48	102	9.40	9.90	442	475	107	
Utah	39	38	97	9.50	9.00	371	342	92	
Other States <sup>2</sup>	203	204	100	9.93	9.93	2,016	2,026	100	
United States	2,929	3,043	104	10.53	10.63	30,848	32,333	105	

<sup>&</sup>lt;sup>1</sup> Number of pigs born September-November that were still on hand December 1, or had been sold.

<sup>&</sup>lt;sup>2</sup> Intentions

<sup>&</sup>lt;sup>3</sup> Individual State estimates not available for the 34 Other States.

<sup>&</sup>lt;sup>2</sup> 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 far	rowing 1	Pigs po	er litter	Pig crop <sup>1</sup>		
WORLD	2016	2017	2016	2017	2016	2017	
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)	
December	977	1,017	10.35	10.40	10,109	10,578	
January	993	998	10.29	10.42	10,214	10,396	
February	957	995	10.25	10.48	9,816	10,426	
March	1,022		10.45		10,673		
April	964		10.50		10,117		
May	983		10.49		10,308		
June	1,033		10.52		10,865		
July	1,014		10.56		10,712		
August	1,009		10.65		10,753		
September	1,040		10.65		11,071		
October	1,009		10.63		10,728		
November	994		10.60		10,534		
Total	11,995		10.50		125,900		

<sup>&</sup>lt;sup>1</sup> 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 March 2017, data were collected from about 5,400 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 March 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 71.0 million head by more than 1.4 percent. Chances are 9 out of 10 that the difference will not exceed 2.5 percent.

#### Reliability of March 1 Hog Estimates

[Based on data for the previous twenty quarters]

	<b>.</b>	90 percent	Difference between first and latest estimate						
Item	Root mean square error	confidence	Averege	Consilient	Laureat	Years			
	oquare error	level	Average	Smallest	Largest	Below latest	Above latest		
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)		
All hogs and pigs	1.4	2.5	810	0.4	1,726	12	8		
Pig crop	2.4	4.2	599	0	1,260	12	7		
Expected farrowings									
Next quarter	3.0	5.3	78	10	167	12	8		
Following quarter	3.2	5.6	80	11	197	11	9		

#### **Records**

The table below provides data users with the record high estimates of all hogs and pigs, market hogs, pig crop and pigs per litter since each data series began.

Records by Quarter - United States: 1866 to present

Item	Estimate	Record high	Series began	
	(1,000 head)	(year)	(year)	
All hogs and pigs March 1  June 1  September 1  December 1	69,281	2017 2016 2016 1943	1988 1964 1988 1866	
Market March 1 June 1 September 1 December 1	64,908 63,302 65,870 65,410	2017 2016 2016 2016	1988 1964 1988 1963	
Pig crop December-February <sup>1</sup> March-May June-August September-November	32,355 32,331	2017 1970 2016 2016	1970 1970 1970 1970	
Pigs per litter December-February¹ March-May June-August September-November	10.48	(year) 2017 2016 2016 2016	(year) 1970 1970 1970 1970	

<sup>&</sup>lt;sup>1</sup> 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.

Dan Kerestes, 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	` /
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#### **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 <a href="www.nass.usda.gov">www.nass.usda.gov</a> 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.

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