



# Quarterly Hogs and Pigs

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## United States Hog Inventory Up 3 Percent

**United States inventory** of all hogs and pigs on March 1, 2018 was 72.9 million head. This was up 3 percent from March 1, 2017, but down 1 percent from December 1, 2017.

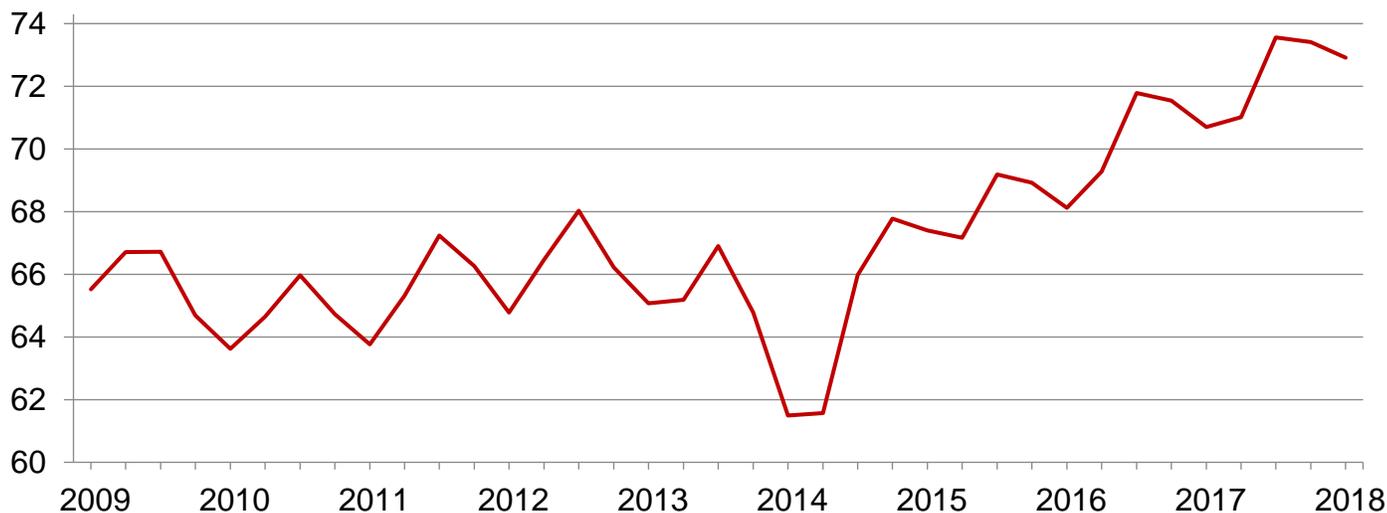
**Breeding inventory**, at 6.20 million head, was up 2 percent from last year, and up slightly from the previous quarter.

**Market hog inventory**, at 66.7 million head, was up 3 percent from last year, but down 1 percent from last quarter.

**The December-February 2018 pig crop**, at 32.3 million head, was up 4 percent from 2017. Sows farrowing during this period totaled 3.06 million head, up 2 percent from 2017. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was a record high of 10.58 for the December-February period, compared to 10.43 last year.

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

Million head



**United States hog producers** intend to have 3.08 million sows farrow during the March-May 2018 quarter, up 2 percent from the actual farrowings during the same period in 2017, and up 4 percent from 2016. Intended farrowings for June-August 2018, at 3.16 million sows, are up 1 percent from 2017, and up 4 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, down from 48 percent the previous year.

## Revisions

All inventory and pig crop estimates for March 2017 through December 2017 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The net revision made to the December 2017 all hogs and pigs inventory was 0.3 percent. The net revision made to the September 2017 all hogs and pigs inventory was less than 0.1 percent. A revision of 0.6 percent was made to the June-August 2017 pig crop.

## Special Note

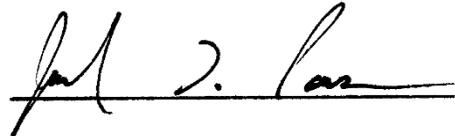
Starting in March 2018, the pigs per litter by size of operation data will be discontinued. Please contact the Livestock Branch at (202) 720-3570 or email at [HQ\\_SD\\_LB@nass.usda.gov](mailto:HQ_SD_LB@nass.usda.gov) with any questions or concerns.

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This report was approved on March 29, 2018.



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: 2017 and 2018

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

Item	2017	2018	2018 as percent of 2017
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory			
All hogs and pigs .....	70,701	72,908	103
Kept for breeding .....	6,098	6,200	102
Market .....	64,603	66,708	103
Market hogs and pigs by weight groups			
Under 50 pounds .....	20,407	21,047	103
50-119 pounds .....	17,862	18,422	103
120-179 pounds .....	14,435	14,874	103
180 pounds and over .....	11,899	12,364	104
June 1 inventory			
All hogs and pigs .....	71,010		
Kept for breeding .....	6,109		
Market .....	64,901		
Market hogs and pigs by weight groups			
Under 50 pounds .....	20,647		
50-119 pounds .....	18,741		
120-179 pounds .....	13,646		
180 pounds and over .....	11,867		
September 1 inventory			
All hogs and pigs .....	73,559		
Kept for breeding .....	6,117		
Market .....	67,442		
Market hogs and pigs by weight groups			
Under 50 pounds .....	21,673		
50-119 pounds .....	19,781		
120-179 pounds .....	13,919		
180 pounds and over .....	12,069		
December 1 inventory			
All hogs and pigs .....	73,415		
Kept for breeding .....	6,179		
Market .....	67,236		
Market hogs and pigs by weight groups			
Under 50 pounds .....	21,447		
50-119 pounds .....	18,549		
120-179 pounds .....	14,030		
180 pounds and over .....	13,209		

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

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

Item	2016	2017	2018	2018 as percent of	
				2016	2017
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
<b>Sows farrowing</b>					
December-February .....	2,927	2,986	3,057	104	102
March-May <sup>1</sup> .....	2,968	3,014	3,078	104	102
December-May <sup>2 3</sup> .....	5,896	5,999	6,135	104	102
June-August <sup>1</sup> .....	3,057	3,121	3,165	104	101
September-November .....	3,046	3,109			
June-November <sup>3</sup> .....	6,103	6,230			
<b>Pig crop</b>					
December-February .....	30,139	31,146	32,341	107	104
March-May .....	31,097	31,790			
December-May <sup>3</sup> .....	61,236	62,935			
June-August .....	32,331	33,244			
September-November .....	32,372	33,399			
June-November <sup>3</sup> .....	64,703	66,642			
	(number)	(number)	(number)	(percent)	(percent)
<b>Pigs per litter</b>					
December-February .....	10.30	10.43	10.58	103	101
March-May .....	10.48	10.55			
December-May .....	10.39	10.49			
June-August .....	10.58	10.65			
September-November .....	10.63	10.74			
June-November .....	10.60	10.70			

<sup>1</sup> Intentions for 2018.

<sup>2</sup> Actual farrowings for December 2017-February 2018 plus intentions for March-May 2018.

<sup>3</sup> May not add due to rounding.

## Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2017 and 2018

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

Month	Sows farrowing <sup>1</sup>		Pigs per litter		Pig crop <sup>1</sup>	
	2017	2018	2017	2018	2017	2018
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	1,006	1,034	10.44	10.62	10,500	10,976
January .....	992	1,024	10.39	10.49	10,309	10,743
February .....	988	999	10.46	10.63	10,337	10,622
March .....	1,036		10.54		10,916	
April .....	975		10.56		10,298	
May .....	1,003		10.55		10,576	
June .....	1,065		10.56		11,244	
July .....	1,025		10.65		10,916	
August .....	1,032		10.74		11,085	
September .....	1,067		10.66		11,366	
October .....	1,028		10.78		11,073	
November .....	1,015		10.80		10,959	
Total .....	12,229		10.60		129,578	

<sup>1</sup> Monthly values may not add to quarterly or annual totals due to rounding.

## Breeding, Market, and Total Inventory – States and United States: March 1, 2017 and 2018

[May not add due to rounding]

State	Breeding			Market			Total		
	2017	2018	2018 as percent of 2017	2017	2018	2018 as percent of 2017	2017	2018	2018 as percent of 2017
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	155	155	100	545	615	113	700	770	110
Illinois .....	540	540	100	4,710	4,760	101	5,250	5,300	101
Indiana .....	280	260	93	3,770	3,790	101	4,050	4,050	100
Iowa .....	1,000	1,020	102	20,600	21,580	105	21,600	22,600	105
Kansas .....	165	160	97	1,805	1,890	105	1,970	2,050	104
Michigan .....	110	120	109	1,000	1,080	108	1,110	1,200	108
Minnesota .....	560	570	102	7,840	7,930	101	8,400	8,500	101
Missouri .....	445	455	102	2,655	2,995	113	3,100	3,450	111
Nebraska .....	415	420	101	2,885	3,030	105	3,300	3,450	105
North Carolina .....	880	900	102	8,320	8,000	96	9,200	8,900	97
Ohio .....	185	190	103	2,465	2,710	110	2,650	2,900	109
Oklahoma .....	445	445	100	1,655	1,715	104	2,100	2,160	103
Pennsylvania .....	100	110	110	1,040	1,080	104	1,140	1,190	104
South Dakota .....	200	235	118	1,250	1,425	114	1,450	1,660	114
Texas .....	120	145	121	790	955	121	910	1,100	121
Utah .....	80	75	94	620	420	68	700	495	71
Other States <sup>1</sup> .....	418	400	96	2,653	2,733	103	3,071	3,133	102
United States .....	6,098	6,200	102	64,603	66,708	103	70,701	72,908	103

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

## Market Inventory by Weight Group – States and United States: March 1, 2017 and 2018

[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	
	2017	2018	2017	2018	2017	2018	2017	2018
	(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 .....	250	285	110	120	95	105	90	105
Illinois .....	1,530	1,465	1,460	1,465	920	990	800	840
Indiana .....	1,030	955	1,050	1,150	810	850	880	835
Iowa .....	5,300	5,590	6,440	6,720	5,270	5,340	3,590	3,930
Kansas .....	455	405	475	540	345	410	530	535
Michigan .....	285	320	245	265	240	245	230	250
Minnesota .....	2,590	2,620	2,380	2,400	1,650	1,760	1,220	1,150
Missouri .....	1,350	1,455	515	560	400	530	390	450
Nebraska .....	920	1,040	735	775	650	670	580	545
North Carolina .....	3,140	3,250	1,860	1,720	1,800	1,690	1,520	1,340
Ohio .....	690	700	730	730	625	690	420	590
Oklahoma .....	740	735	300	335	270	250	345	395
Pennsylvania .....	265	285	305	310	280	260	190	225
South Dakota .....	455	510	325	370	240	280	230	265
Texas .....	170	270	220	260	175	180	225	245
Utah .....	265	155	115	80	130	95	110	90
Other States <sup>1</sup> .....	972	1,007	597	622	535	529	549	574
United States .....	20,407	21,047	17,862	18,422	14,435	14,874	11,899	12,364

<sup>1</sup> 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	4,720	101	5,200	5,250	101
Indiana .....	260	260	100	3,590	3,690	103	3,850	3,950	103
Iowa .....	970	1,030	106	19,830	20,870	105	20,800	21,900	105
Kansas .....	175	160	91	1,765	1,790	101	1,940	1,950	101
Michigan .....	110	110	100	1,040	1,000	96	1,150	1,110	97
Minnesota .....	560	570	102	7,540	7,930	105	8,100	8,500	105
Missouri .....	395	440	111	2,605	2,810	108	3,000	3,250	108
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	1,085	103	1,150	1,190	103
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 <sup>1</sup> .....	404	409	101	2,687	2,681	100	3,091	3,090	100
United States .....	5,979	6,109	102	63,302	64,901	103	69,281	71,010	102

<sup>1</sup> 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	1,430	1,460	1,530	910	930	880	830
Indiana .....	1,020	920	1,120	1,140	700	770	750	860
Iowa .....	5,280	5,450	6,400	6,870	4,760	4,950	3,390	3,600
Kansas .....	470	480	490	490	310	355	495	465
Michigan .....	305	290	255	240	240	245	240	225
Minnesota .....	2,550	2,610	2,340	2,390	1,470	1,640	1,180	1,290
Missouri .....	1,315	1,360	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	285	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 <sup>1</sup> .....	971	1,002	613	621	546	521	556	537
United States .....	20,356	20,647	18,198	18,741	13,291	13,646	11,456	11,867

<sup>1</sup> 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	4,860	109	5,000	5,400	108
Indiana .....	280	260	93	3,720	3,840	103	4,000	4,100	103
Iowa .....	980	980	100	21,320	21,720	102	22,300	22,700	102
Kansas .....	180	165	92	1,830	1,835	100	2,010	2,000	100
Michigan .....	105	120	114	1,035	1,070	103	1,140	1,190	104
Minnesota .....	570	550	96	7,830	7,850	100	8,400	8,400	100
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	8,400	100	9,300	9,300	100
Ohio .....	190	180	95	2,410	2,670	111	2,600	2,850	110
Oklahoma .....	455	455	100	1,785	1,785	100	2,240	2,240	100
Pennsylvania .....	95	110	116	1,055	1,110	105	1,150	1,220	106
South Dakota .....	195	215	110	1,215	1,325	109	1,410	1,540	109
Texas .....	100	135	135	830	895	108	930	1,030	111
Utah .....	75	80	107	625	600	96	700	680	97
Other States <sup>1</sup> .....	411	417	101	2,675	2,782	104	3,086	3,199	104
United States .....	6,016	6,117	102	65,770	67,442	103	71,786	73,559	102

<sup>1</sup> 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	1,505	1,380	1,620	870	930	780	805
Indiana .....	1,050	1,050	1,130	1,180	720	780	820	830
Iowa .....	5,690	5,710	6,930	7,220	5,080	5,080	3,620	3,710
Kansas .....	500	475	515	505	365	355	450	500
Michigan .....	295	310	270	260	235	250	235	250
Minnesota .....	2,650	2,700	2,480	2,510	1,500	1,510	1,200	1,130
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	3,400	2,080	1,950	1,600	1,550	1,470	1,500
Ohio .....	740	730	730	785	550	640	390	515
Oklahoma .....	775	770	440	440	250	275	320	300
Pennsylvania .....	270	305	345	335	250	280	190	190
South Dakota .....	435	450	325	365	230	260	225	250
Texas .....	240	235	240	255	160	160	190	245
Utah .....	250	235	130	125	130	130	115	110
Other States <sup>1</sup> .....	985	1,023	601	631	535	554	553	574
United States .....	21,215	21,673	19,271	19,781	13,600	13,919	11,683	12,069

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

## Breeding, Market, and Total Inventory – States and United States: December 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	150	100	520	600	115	670	750	112
Illinois .....	540	530	98	4,560	4,820	106	5,100	5,350	105
Indiana .....	270	260	96	3,830	3,790	99	4,100	4,050	99
Iowa .....	1,030	1,000	97	21,170	21,800	103	22,200	22,800	103
Kansas .....	165	165	100	1,745	1,945	111	1,910	2,110	110
Michigan .....	110	120	109	1,020	1,070	105	1,130	1,190	105
Minnesota .....	570	570	100	7,930	7,930	100	8,500	8,500	100
Missouri .....	435	450	103	2,665	2,950	111	3,100	3,400	110
Nebraska .....	415	430	104	2,985	3,170	106	3,400	3,600	106
North Carolina .....	880	900	102	8,420	8,100	96	9,300	9,000	97
Ohio .....	200	190	95	2,500	2,760	110	2,700	2,950	109
Oklahoma .....	450	460	102	1,710	1,760	103	2,160	2,220	103
Pennsylvania .....	100	110	110	1,110	1,140	103	1,210	1,250	103
South Dakota .....	190	215	113	1,260	1,345	107	1,450	1,560	108
Texas .....	110	140	127	770	900	117	880	1,040	118
Utah .....	75	80	107	625	470	75	700	550	79
Other States <sup>1</sup> .....	420	409	97	2,615	2,686	103	3,035	3,095	102
United States .....	6,110	6,179	101	65,435	67,236	103	71,545	73,415	103

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

## Market Inventory by Weight Group – States and United States: December 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 .....	220	255	120	130	95	115	85	100
Illinois .....	1,450	1,530	1,360	1,450	890	920	860	920
Indiana .....	1,040	1,000	1,090	1,060	790	780	910	950
Iowa .....	5,620	5,830	6,550	6,820	5,010	5,080	3,990	4,070
Kansas .....	455	480	520	520	320	420	450	525
Michigan .....	300	330	265	240	215	245	240	255
Minnesota .....	2,720	2,720	2,350	2,330	1,560	1,600	1,300	1,280
Missouri .....	1,340	1,450	520	560	375	445	430	495
Nebraska .....	955	1,030	790	840	650	640	590	660
North Carolina .....	3,160	3,190	1,950	1,790	1,680	1,570	1,630	1,550
Ohio .....	750	760	660	760	600	660	490	580
Oklahoma .....	735	725	360	420	275	230	340	385
Pennsylvania .....	320	305	335	335	245	260	210	240
South Dakota .....	445	460	325	365	245	270	245	250
Texas .....	170	235	190	235	175	175	235	255
Utah .....	250	185	120	85	130	100	125	100
Other States <sup>1</sup> .....	957	962	597	609	531	520	530	594
United States .....	20,887	21,447	18,102	18,549	13,786	14,030	12,660	13,209

<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 2017 and 2018

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

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2017	2018	2018 as percent of 2017	2017	2018	2017	2018	2018 as percent of 2017
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	76	72	95	9.90	9.70	752	698	93
Illinois .....	265	260	98	10.20	10.60	2,703	2,756	102
Indiana .....	145	130	90	10.25	10.45	1,486	1,359	91
Iowa .....	510	560	110	10.75	11.00	5,483	6,160	112
Kansas .....	79	79	100	10.00	10.20	790	806	102
Michigan .....	50	53	106	10.40	10.70	520	567	109
Minnesota .....	275	300	109	11.35	11.20	3,121	3,360	108
Missouri .....	220	225	102	10.05	10.15	2,211	2,284	103
Nebraska .....	175	180	103	11.55	11.70	2,021	2,106	104
North Carolina .....	460	455	99	9.90	9.90	4,554	4,505	99
Ohio .....	91	91	100	10.80	10.80	983	983	100
Oklahoma .....	200	200	100	10.30	10.60	2,060	2,120	103
Pennsylvania .....	46	49	107	10.30	10.60	474	519	109
South Dakota .....	102	111	109	11.30	11.45	1,153	1,271	110
Texas .....	50	58	116	9.90	9.90	495	574	116
Utah .....	39	36	92	8.70	7.70	339	277	82
Other States <sup>2</sup> .....	203	198	97	9.86	10.09	2,001	1,996	100
United States .....	2,986	3,057	102	10.43	10.58	31,146	32,341	104

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

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

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2016-2018

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2016	2017	2018 <sup>2</sup>	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 .....	77	77	73	95	10.20	10.40	785	801	102
Illinois .....	255	255	265	104	10.40	10.55	2,652	2,690	101
Indiana .....	131	135	135	100	10.40	10.50	1,362	1,418	104
Iowa .....	500	510	550	108	10.90	10.95	5,450	5,585	102
Kansas .....	85	80	80	100	10.50	10.00	893	800	90
Michigan .....	48	50	58	116	10.50	10.50	504	525	104
Minnesota .....	285	300	295	98	11.05	11.40	3,149	3,420	109
Missouri .....	205	220	240	109	9.95	10.25	2,040	2,255	111
Nebraska .....	185	185	180	97	11.40	11.45	2,109	2,118	100
North Carolina .....	475	470	465	99	10.25	10.00	4,869	4,700	97
Ohio .....	88	97	91	94	10.50	10.60	924	1,028	111
Oklahoma .....	200	195	200	103	10.30	10.60	2,060	2,067	100
Pennsylvania .....	51	50	50	100	10.30	10.50	525	525	100
South Dakota .....	94	101	113	112	10.75	11.35	1,011	1,146	113
Texas .....	46	50	60	120	7.85	7.30	361	365	101
Utah .....	41	39	33	85	9.40	9.00	385	351	91
Other States <sup>3</sup> .....	202	200	190	95	9.97	10.00	2,018	1,996	99
United States .....	2,968	3,014	3,078	102	10.48	10.55	31,097	31,790	102

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

<sup>2</sup> Intentions.

<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 2016-2018

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2016	2017	2018 <sup>2</sup>	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 .....	78	78	75	96	10.10	10.90	788	850	108
Illinois .....	260	265	265	100	10.55	10.75	2,743	2,849	104
Indiana .....	145	135	140	104	10.60	10.35	1,537	1,397	91
Iowa .....	510	530	560	106	11.00	11.20	5,610	5,936	106
Kansas .....	89	85	84	99	10.50	10.60	935	901	96
Michigan .....	50	54	58	107	10.50	10.80	525	583	111
Minnesota .....	310	305	310	102	11.10	11.40	3,441	3,477	101
Missouri .....	215	235	240	102	10.10	10.15	2,172	2,385	110
Nebraska .....	185	190	190	100	11.35	11.65	2,100	2,214	105
North Carolina .....	485	490	470	96	10.20	10.05	4,947	4,925	100
Ohio .....	92	97	98	101	10.60	10.70	975	1,038	106
Oklahoma .....	200	205	210	102	10.65	10.60	2,130	2,173	102
Pennsylvania .....	48	51	51	100	10.45	10.60	502	541	108
South Dakota .....	97	105	114	109	10.75	11.30	1,043	1,187	114
Texas .....	45	52	64	123	9.30	7.80	419	406	97
Utah .....	39	36	37	103	9.50	9.00	371	324	87
Other States <sup>3</sup> .....	209	208	199	95	10.03	9.88	2,093	2,058	98
United States .....	3,057	3,121	3,165	101	10.58	10.65	32,331	33,244	103

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

<sup>2</sup> Intentions.

<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: September-November 2016 and 2017

[May not add due to rounding]

State	Sows Farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	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 .....	74	72	97	10.40	10.20	770	734	95
Illinois .....	260	260	100	10.60	10.70	2,756	2,782	101
Indiana .....	140	135	96	10.30	10.35	1,442	1,397	97
Iowa .....	550	550	100	10.90	11.15	5,995	6,133	102
Kansas .....	82	83	101	10.60	10.80	869	896	103
Michigan .....	49	53	108	10.60	10.90	519	578	111
Minnesota .....	310	315	102	11.20	11.45	3,472	3,607	104
Missouri .....	210	235	112	10.45	10.40	2,195	2,444	111
Nebraska .....	180	195	108	11.60	11.70	2,088	2,282	109
North Carolina .....	460	460	100	10.30	10.20	4,738	4,692	99
Ohio .....	96	100	104	10.50	10.80	1,008	1,080	107
Oklahoma .....	195	200	103	10.55	10.70	2,057	2,140	104
Pennsylvania .....	50	50	100	10.50	10.40	525	520	99
South Dakota .....	100	105	105	10.90	11.45	1,090	1,202	110
Texas .....	48	59	123	9.90	9.30	475	549	116
Utah .....	38	35	92	9.00	9.00	342	315	92
Other States <sup>2</sup> .....	204	202	99	9.96	10.15	2,031	2,048	101
United States .....	3,046	3,109	102	10.63	10.74	32,372	33,399	103

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

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

## Statistical Methodology

**Survey Procedures:** A random sample of roughly 6,500 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 2018, data were collected from about 4,800 operations, 73 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, 2018.

**Estimating Procedures:** Hogs and pigs estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each regional 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 72.9 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 March 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	792	10.4	1,726	12	8
Pig crop .....	2.4	4.1	580	0	1,260	12	7
Expected farrowings							
Next quarter .....	3.0	5.2	76	10	167	11	9
Following quarter .....	3.1	5.4	78	11	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)
<b>All hogs and pigs</b>			
March 1 .....	72,908	2018	1988
June 1 .....	71,010	2017	1964
September 1 .....	73,559	2017	1988
December 1 .....	83,741	1943	1866
<b>Market</b>			
March 1 .....	66,708	2018	1988
June 1 .....	64,901	2017	1964
September 1 .....	67,442	2017	1988
December 1 .....	67,236	2017	1963
<b>Pig crop</b>			
December-February <sup>1</sup> .....	32,341	2018	1970
March-May .....	32,355	1970	1970
June-August .....	33,244	2017	1970
September-November .....	33,399	2017	1970
	(number)	(year)	(year)
<b>Pigs per litter</b>			
December-February <sup>1</sup> .....	10.58	2018	1970
March-May .....	10.55	2017	1970
June-August .....	10.65	2017	1970
September-November .....	10.74	2017	1970

<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](mailto:nass@nass.usda.gov).

Travis Averill, Chief, Livestock Branch .....	(202) 720-3570
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 720-3240
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Donnie Fike – Dairy Products .....	(202) 690-3236
Heidi Gleich – 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](http://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](http://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](mailto:nass@nass.usda.gov).

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**USDA NASS Data Users' Meeting**  
**Tuesday, April 24, 2018**

University of Chicago – Gleacher Center  
450 North Cityfront Plaza Drive  
Chicago, Illinois 60611  
312-464-8787

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 2018 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](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Tina Hall (NASS) at 202-720-3896 or [tina.hall@nass.usda.gov](mailto:tina.hall@nass.usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@nass.usda.gov](mailto:patricia.snipe@nass.usda.gov) for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 25, 2018. 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.