



# Quarterly Hogs and Pigs

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## United States Hog Inventory Up 3 Percent

**United States inventory** of all hogs and pigs on June 1, 2018 was 73.5 million head. This was up 3 percent from June 1, 2017, and up 1 percent from March 1, 2018. This is the highest June 1 inventory of all hogs and pigs since estimates began in 1964.

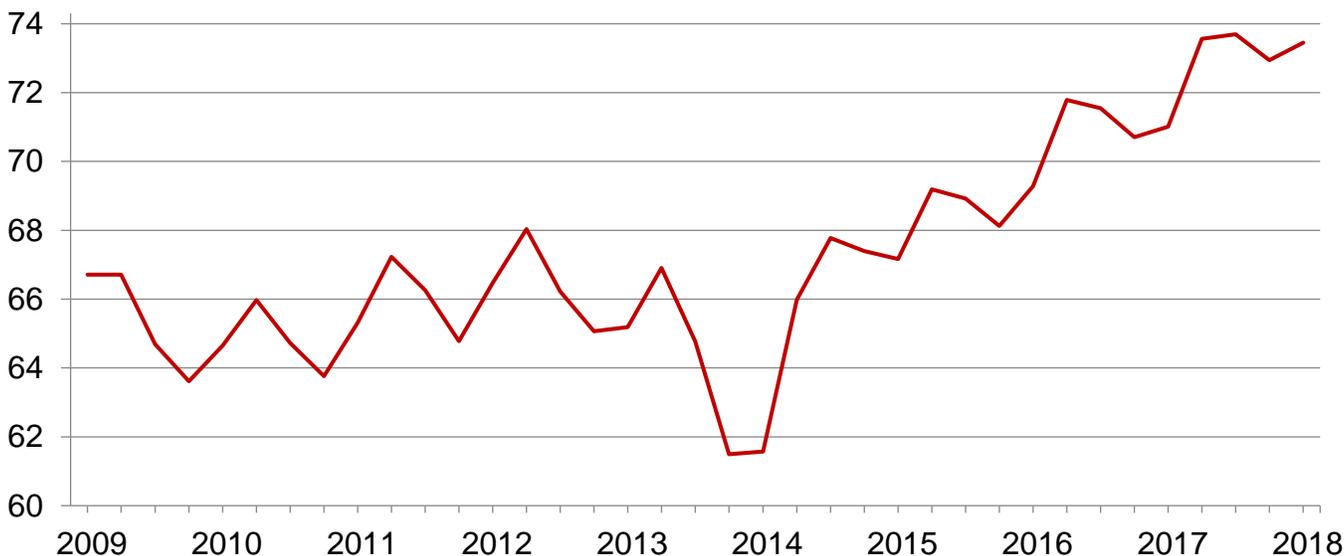
**Breeding inventory**, at 6.32 million head, was up 3 percent from last year, and up 2 percent from the previous quarter.

**Market hog inventory**, at 67.1 million head, was up 3 percent from last year, and up 1 percent from last quarter. This is the highest June 1 market hog inventory since estimates began in 1964.

**The March-May 2018 pig crop**, at 33.2 million head, was up 4 percent from 2017. This is the largest March-May pig crop since estimates began in 1970. Sows farrowed during this period totaled 3.12 million head, up 4 percent from 2017. The sows farrowed during this quarter represented 50 percent of the breeding herd. The average pigs saved per litter was a record high 10.63 for the March-May period, compared to 10.55 last year.

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

Million head



**United States hog producers** intend to have 3.17 million sows farrow during the June-August 2018 quarter, up 2 percent from the actual farrowings during the same period in 2017, and up 4 percent from 2016. Intended farrowings for September-November 2018, at 3.18 million sows, are up 2 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

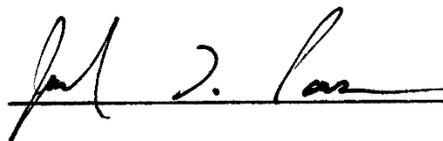
All inventory and pig crop estimates for June 2017 through March 2018 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the March 2018 all hogs and pigs inventory was less than 0.1 percent. The net revision made to the December 2017 all hogs and pigs inventory was 0.6 percent. A revision of 0.7 percent was made to the September-November 2017 pig crop.

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This report was approved on June 28, 2018.



Secretary of Agriculture  
Designate  
Warren P. Preston



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	72,938	103
Kept for breeding .....	6,098	6,210	102
Market .....	64,603	66,728	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	14,941	104
180 pounds and over .....	11,899	12,317	104
June 1 inventory			
All hogs and pigs .....	71,010	73,451	103
Kept for breeding .....	6,109	6,320	103
Market .....	64,901	67,131	103
Market hogs and pigs by weight groups			
Under 50 pounds .....	20,647	21,387	104
50-119 pounds .....	18,741	19,388	103
120-179 pounds .....	13,646	14,198	104
180 pounds and over .....	11,867	12,157	102
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 .....	73,695		
Kept for breeding .....	6,179		
Market .....	67,516		
Market hogs and pigs by weight groups			
Under 50 pounds .....	21,582		
50-119 pounds .....	18,694		
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 .....	2,968	3,014	3,121	105	104
December-May <sup>1</sup> .....	5,896	5,999	6,178	105	103
June-August <sup>2</sup> .....	3,057	3,121	3,170	104	102
September-November <sup>2</sup> .....	3,046	3,130	3,180	104	102
June-November <sup>1 2</sup> .....	6,103	6,251	6,350	104	102
<b>Pig crop</b>					
December-February .....	30,139	31,146	32,341	107	104
March-May .....	31,097	31,790	33,167	107	104
December-May <sup>1</sup> .....	61,236	62,935	65,508	107	104
June-August .....	32,331	33,244			
September-November .....	32,372	33,624			
June-November <sup>1</sup> .....	64,703	66,867			
	(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	10.63	101	101
December-May .....	10.39	10.49	10.60	102	101
June-August .....	10.58	10.65			
September-November .....	10.63	10.74			
June-November .....	10.60	10.70			

<sup>1</sup> May not add due to rounding

<sup>2</sup> Intentions for 2018.

## 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	1,072	10.54	10.56	10,916	11,320
April .....	975	1,017	10.56	10.55	10,298	10,733
May .....	1,003	1,032	10.55	10.77	10,576	11,113
June .....	1,065		10.56		11,244	
July .....	1,025		10.65		10,916	
August .....	1,032		10.74		11,085	
September .....	1,074		10.66		11,441	
October .....	1,035		10.78		11,148	
November .....	1,022		10.80		11,034	
Total .....	12,250		10.60		129,803	

<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	550	102	4,710	4,750	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	1,725	104	2,100	2,170	103
Pennsylvania .....	100	110	110	1,040	1,090	105	1,140	1,200	105
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	2,743	103	3,071	3,143	102
United States .....	6,098	6,210	102	64,603	66,728	103	70,701	72,938	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	980	800	840
Indiana .....	1,030	955	1,050	1,150	810	860	880	825
Iowa .....	5,300	5,590	6,440	6,720	5,270	5,360	3,590	3,910
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	700	420	580
Oklahoma .....	740	735	300	335	270	260	345	395
Pennsylvania .....	265	285	305	310	280	270	190	225
South Dakota .....	455	510	325	370	240	280	230	265
Texas .....	170	270	220	260	175	185	225	240
Utah .....	265	155	115	80	130	95	110	90
Other States <sup>1</sup> .....	972	1,007	597	622	535	541	549	572
United States .....	20,407	21,047	17,862	18,422	14,435	14,941	11,899	12,317

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

## Breeding, Market, and Total Inventory – States and United States: June 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	565	605	107	720	760	106
Illinois .....	530	570	108	4,720	4,780	101	5,250	5,350	102
Indiana .....	260	250	96	3,690	3,750	102	3,950	4,000	101
Iowa .....	1,030	1,040	101	20,870	21,660	104	21,900	22,700	104
Kansas .....	160	165	103	1,790	1,875	105	1,950	2,040	105
Michigan .....	110	120	109	1,000	1,080	108	1,110	1,200	108
Minnesota .....	570	580	102	7,930	8,020	101	8,500	8,600	101
Missouri .....	440	460	105	2,810	3,040	108	3,250	3,500	108
Nebraska .....	420	430	102	2,980	3,120	105	3,400	3,550	104
North Carolina .....	880	910	103	8,020	7,990	100	8,900	8,900	100
Ohio .....	190	190	100	2,510	2,710	108	2,700	2,900	107
Oklahoma .....	450	460	102	1,570	1,700	108	2,020	2,160	107
Pennsylvania .....	105	120	114	1,085	1,190	110	1,190	1,310	110
South Dakota .....	200	240	120	1,290	1,440	112	1,490	1,680	113
Texas .....	125	145	116	785	995	127	910	1,140	125
Utah .....	75	80	107	605	450	74	680	530	78
Other States <sup>1</sup> .....	409	405	99	2,681	2,726	102	3,090	3,131	101
United States .....	6,109	6,320	103	64,901	67,131	103	71,010	73,451	103

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

## Market Inventory by Weight Group – States and United States: June 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 .....	255	290	120	120	100	95	90	100
Illinois .....	1,430	1,550	1,530	1,510	930	880	830	840
Indiana .....	920	940	1,140	1,150	770	830	860	830
Iowa .....	5,450	5,590	6,870	7,150	4,950	5,220	3,600	3,700
Kansas .....	480	420	490	520	355	375	465	560
Michigan .....	290	310	240	290	245	220	225	260
Minnesota .....	2,610	2,610	2,390	2,490	1,640	1,780	1,290	1,140
Missouri .....	1,360	1,505	580	590	435	475	435	470
Nebraska .....	1,005	1,050	785	840	615	650	575	580
North Carolina .....	3,290	3,370	1,870	1,840	1,400	1,450	1,460	1,330
Ohio .....	720	690	720	750	630	680	440	590
Oklahoma .....	685	785	340	400	230	225	315	290
Pennsylvania .....	285	320	345	355	280	255	175	260
South Dakota .....	455	510	345	380	240	270	250	280
Texas .....	165	300	235	275	175	165	210	255
Utah .....	245	175	120	90	130	90	110	95
Other States <sup>1</sup> .....	1,002	972	621	638	521	538	537	577
United States .....	20,647	21,387	18,741	19,388	13,646	14,198	11,867	12,157

<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	4,870	107	5,100	5,400	106
Indiana .....	270	260	96	3,830	3,790	99	4,100	4,050	99
Iowa .....	1,030	1,000	97	21,170	21,900	103	22,200	22,900	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	8,030	101	8,500	8,600	101
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	1,780	104	2,160	2,240	104
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	910	118	880	1,050	119
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	67,516	103	71,545	73,695	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	1,550	1,360	1,480	890	920	860	920
Indiana .....	1,040	1,000	1,090	1,060	790	780	910	950
Iowa .....	5,620	5,880	6,550	6,870	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	2,770	2,350	2,380	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	735	360	430	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	240	190	240	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	21,582	18,102	18,694	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 2017 and 2018

[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 .....	77	75	97	10.40	9.60	801	720	90
Illinois .....	255	275	108	10.55	10.70	2,690	2,943	109
Indiana .....	135	115	85	10.50	10.30	1,418	1,185	84
Iowa .....	510	570	112	10.95	11.10	5,585	6,327	113
Kansas .....	80	76	95	10.00	10.10	800	768	96
Michigan .....	50	53	106	10.50	10.90	525	578	110
Minnesota .....	300	310	103	11.40	11.20	3,420	3,472	102
Missouri .....	220	240	109	10.25	10.20	2,255	2,448	109
Nebraska .....	185	190	103	11.45	11.30	2,118	2,147	101
North Carolina .....	470	465	99	10.00	10.10	4,700	4,697	100
Ohio .....	97	88	91	10.60	11.00	1,028	968	94
Oklahoma .....	195	205	105	10.60	10.70	2,067	2,194	106
Pennsylvania .....	50	51	102	10.50	10.50	525	536	102
South Dakota .....	101	110	109	11.35	11.70	1,146	1,287	112
Texas .....	50	65	130	7.30	9.80	365	637	175
Utah .....	39	34	87	9.00	7.60	351	258	74
Other States <sup>2</sup> .....	200	199	100	10.00	10.07	1,996	2,002	100
United States .....	3,014	3,121	104	10.55	10.63	31,790	33,167	104

<sup>1</sup> Number of pigs born March-May that were still on hand June 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: 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	77	99	10.10	10.90	788	850	108
Illinois .....	260	265	295	111	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	570	108	11.00	11.20	5,610	5,936	106
Kansas .....	89	85	78	92	10.50	10.60	935	901	96
Michigan .....	50	54	54	100	10.50	10.80	525	583	111
Minnesota .....	310	305	305	100	11.10	11.40	3,441	3,477	101
Missouri .....	215	235	245	104	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	91	94	10.60	10.70	975	1,038	106
Oklahoma .....	200	205	205	100	10.65	10.60	2,130	2,173	102
Pennsylvania .....	48	51	54	106	10.45	10.60	502	541	108
South Dakota .....	97	105	112	107	10.75	11.30	1,043	1,187	114
Texas .....	45	52	65	125	9.30	7.80	419	406	97
Utah .....	39	36	26	72	9.50	9.00	371	324	87
Other States <sup>3</sup> .....	209	208	193	93	10.03	9.88	2,093	2,058	98
United States .....	3,057	3,121	3,170	102	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 2016-2018

[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 .....	74	72	73	101	10.40	10.20	770	734	95
Illinois .....	260	265	290	109	10.60	10.70	2,756	2,836	103
Indiana .....	140	135	130	96	10.30	10.35	1,442	1,397	97
Iowa .....	550	560	570	102	10.90	11.15	5,995	6,244	104
Kansas .....	82	83	84	101	10.60	10.80	869	896	103
Michigan .....	49	53	54	102	10.60	10.90	519	578	111
Minnesota .....	310	320	305	95	11.20	11.45	3,472	3,664	106
Missouri .....	210	235	245	104	10.45	10.40	2,195	2,444	111
Nebraska .....	180	195	190	97	11.60	11.70	2,088	2,282	109
North Carolina .....	460	460	470	102	10.30	10.20	4,738	4,692	99
Ohio .....	96	100	96	96	10.50	10.80	1,008	1,080	107
Oklahoma .....	195	200	205	103	10.55	10.70	2,057	2,140	104
Pennsylvania .....	50	50	55	110	10.50	10.40	525	520	99
South Dakota .....	100	105	113	108	10.90	11.45	1,090	1,202	110
Texas .....	48	60	66	110	9.90	9.20	475	552	116
Utah .....	38	35	36	103	9.00	9.00	342	315	92
Other States <sup>3</sup> .....	204	202	198	98	9.96	10.15	2,031	2,048	101
United States .....	3,046	3,130	3,180	102	10.63	10.74	32,372	33,624	104

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

<sup>2</sup> Intentions.

<sup>3</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 June 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 June 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 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 June 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	766	10.4	1,726	13	7
Pig crop .....	2.3	3.9	545	0	1,260	13	6
Expected farrowings							
Next quarter .....	2.7	4.7	70	10	129	11	9
Following quarter .....	3.1	5.4	79	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 .....	72,938	2018	1988
June 1 .....	73,451	2018	1964
September 1 .....	73,559	2017	1988
December 1 .....	83,741	1943	1866
<b>Market</b>			
March 1 .....	66,728	2018	1988
June 1 .....	67,131	2018	1964
September 1 .....	67,442	2017	1988
December 1 .....	67,516	2017	1963
<b>Pig crop</b>			
December-February <sup>1</sup> .....	32,341	2018	1970
March-May .....	33,167	2018	1970
June-August .....	33,244	2017	1970
September-November .....	33,624	2017	1970
	(number)	(year)	(year)
<b>Pigs per litter</b>			
December-February <sup>1</sup> .....	10.58	2018	1970
March-May .....	10.63	2018	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).

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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
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