



Quarterly Hogs and Pigs

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United States Hog Inventory Up 3 Percent

United States inventory of all hogs and pigs on September 1, 2018 was 75.5 million head. This was up 3 percent from September 1, 2017, and up 3 percent from June 1, 2018.

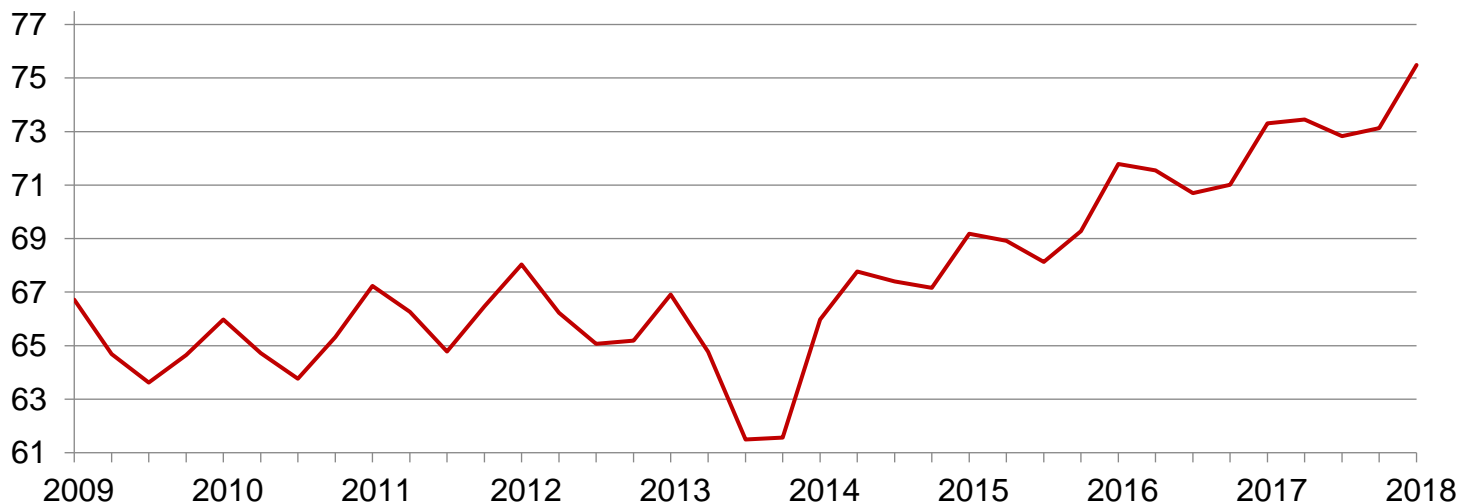
Breeding inventory, at 6.33 million head, was up 3 percent from last year, and up slightly from the previous quarter.

Market hog inventory, at 69.2 million head, was up 3 percent from last year, and up 4 percent from last quarter.

The June-August 2018 pig crop, at 34.2 million head, was up 3 percent from 2017. Sows farrowing during this period totaled 3.19 million head, up 3 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 of 10.72 for the June-August period, compared to 10.65 last year.

Quarterly Hogs and Pigs Inventory – United States: September 1

Million head



United States hog producers intend to have 3.16 million sows farrow during the September-November 2018 quarter, up 2 percent from the actual farrowings during the same period in 2017, and up 4 percent from 2016. Intended farrowings for December-February 2019, at 3.12 million sows, are up 2 percent from 2018, and up 4 percent from 2017.

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, up from 47 percent the previous year.

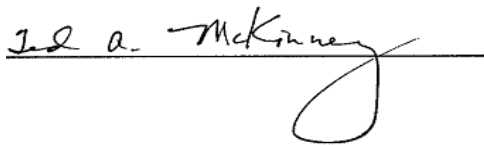
Revisions

All inventory and pig crop estimates for September 2017 through June 2018 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the June 2018 all hogs and pigs inventory was 0.4 percent. The net revision made to the March 2018 all hogs and pigs inventory was 0.1 percent. A revision of less than 0.1 percent was made to the December 2017-February 2018 pig crop. The net revision made to the December 2017 all hogs and pigs inventory was 0.3 percent. A net revision of 0.2 percent was made to the September-November 2017 pig crop. The net revision made to September 2017 all hogs and pigs inventory was 0.3 percent. A net revision of less than 0.1 percent was made to the June-August 2017 pig crop.

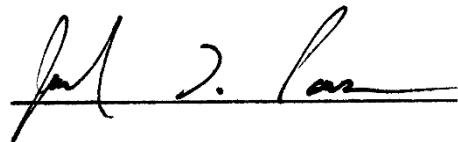
Special Note

The December 2018 Quarterly Hogs and Pigs report will be released on December 20, 2018 at 3:00 P.M. EST at www.nass.usda.gov. Please contact the Livestock Branch at (202) 720-3570 or email at hq_sd_lb@nass.usda.gov with any questions or concerns.

This report was approved on September 27, 2018.



Secretary of Agriculture
Designate
Ted A. McKinney



Agricultural Statistics Board
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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	72,833	103
Kept for breeding	6,098	6,210	102
Market	64,603	66,623	103
Market hogs and pigs by weight groups			
Under 50 pounds	20,407	21,082	103
50-119 pounds	17,862	18,282	102
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	73,126	103
Kept for breeding	6,109	6,320	103
Market	64,901	66,806	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	13,938	102
180 pounds and over	11,867	12,092	102
September 1 inventory			
All hogs and pigs	73,309	75,486	103
Kept for breeding	6,117	6,330	103
Market	67,192	69,156	103
Market hogs and pigs by weight groups			
Under 50 pounds	21,533	22,092	103
50-119 pounds	19,757	20,262	103
120-179 pounds	13,874	14,356	103
180 pounds and over	12,028	12,445	103
December 1 inventory			
All hogs and pigs	73,445		
Kept for breeding	6,179		
Market	67,266		
Market hogs and pigs by weight groups			
Under 50 pounds	21,482		
50-119 pounds	18,594		
120-179 pounds	14,005		
180 pounds and over	13,184		

Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2016-2019

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

Item	2016	2017	2018	2019	2018 as percent of		2019 as percent of 2018
					2016	2017	
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)	(percent)
Sows farrowing							
December-February ^{1 2}	2,927	2,986	3,055	3,115	104	102	102
March-May	2,968	3,014	3,121		105	104	
December-May ¹	5,896	5,999	6,176		105	103	
June-August	3,057	3,106	3,185		104	103	
September-November ³	3,046	3,115	3,163		104	102	
June-November ⁴	6,103	6,221	6,349		104	102	
Pig crop							
December-February ¹	30,139	31,146	32,320		107	104	
March-May	31,097	31,790	33,167		107	104	
December-May ¹	61,236	62,935	65,487		107	104	
June-August	32,331	33,075	34,159		106	103	
September-November	32,372	33,456					
June-November	64,703	66,530					
	(number)	(number)	(number)	(number)	(percent)	(percent)	(percent)
Pigs per litter							
December-February ¹	10.30	10.43	10.58		103	101	
March-May	10.48	10.55	10.63		101	101	
December-May ¹	10.39	10.49	10.60		102	101	
June-August	10.58	10.65	10.72		101	101	
September-November	10.63	10.74					
June-November	10.60	10.69					

¹ December preceding year.

² Intentions for 2019.

³ Intentions for 2018.

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

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 ¹		Pigs per litter		Pig crop ¹	
	2017	2018	2017	2018	2017	2018
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December	1,006	1,033	10.44	10.62	10,500	10,969
January	992	1,023	10.39	10.49	10,309	10,736
February	988	998	10.46	10.63	10,337	10,615
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	1,060	1,078	10.56	10.66	11,187	11,488
July	1,020	1,048	10.65	10.70	10,859	11,216
August	1,027	1,060	10.74	10.81	11,028	11,455
September	1,069		10.65		11,385	
October	1,030		10.77		11,092	
November	1,017		10.80		10,978	
Total	12,220		10.59		129,466	

¹ 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	21,480	104	21,600	22,500	104
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 ¹	418	400	96	2,653	2,738	103	3,071	3,138	102
United States	6,098	6,210	102	64,603	66,623	103	70,701	72,833	103

¹ 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	965	1,050	1,140	810	860	880	825
Iowa	5,300	5,590	6,440	6,620	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	2,640	2,380	2,380	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	290	305	305	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 ¹	972	1,007	597	617	535	541	549	572
United States	20,407	21,082	17,862	18,282	14,435	14,941	11,899	12,317

¹ 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	3,700	100	3,950	3,950	100
Iowa	1,030	1,040	101	20,870	21,560	103	21,900	22,600	103
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	7,920	100	8,500	8,500	100
Missouri	440	460	105	2,810	3,040	108	3,250	3,500	108
Nebraska	420	430	102	2,980	3,070	103	3,400	3,500	103
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	1,690	108	2,020	2,150	106
Pennsylvania	105	120	114	1,085	1,180	109	1,190	1,300	109
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 ¹	409	405	99	2,681	2,721	101	3,090	3,126	101
United States	6,109	6,320	103	64,901	66,806	103	71,010	73,126	103

¹ 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	780	860	830
Iowa	5,450	5,590	6,870	7,150	4,950	5,150	3,600	3,670
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	1,710	1,290	1,110
Missouri	1,360	1,505	580	590	435	475	435	470
Nebraska	1,005	1,050	785	840	615	600	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	215	315	290
Pennsylvania	285	320	345	355	280	250	175	255
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 ¹	1,002	972	621	638	521	533	537	577
United States	20,647	21,387	18,741	19,388	13,646	13,938	11,867	12,092

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

Breeding, Market, and Total Inventory – States and United States: September 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	160	155	97	600	625	104	760	780	103
Illinois	540	570	106	4,860	4,880	100	5,400	5,450	101
Indiana	260	250	96	3,840	3,950	103	4,100	4,200	102
Iowa	980	1,040	106	21,620	22,560	104	22,600	23,600	104
Kansas	165	170	103	1,835	1,860	101	2,000	2,030	102
Michigan	120	120	100	1,070	1,100	103	1,190	1,220	103
Minnesota	550	580	105	7,750	8,020	103	8,300	8,600	104
Missouri	440	465	106	3,060	3,285	107	3,500	3,750	107
Nebraska	410	430	105	3,040	3,020	99	3,450	3,450	100
North Carolina	900	910	101	8,400	8,490	101	9,300	9,400	101
Ohio	180	190	106	2,670	2,610	98	2,850	2,800	98
Oklahoma	455	460	101	1,765	1,820	103	2,220	2,280	103
Pennsylvania	110	120	109	1,090	1,190	109	1,200	1,310	109
South Dakota	215	245	114	1,325	1,475	111	1,540	1,720	112
Texas	135	145	107	895	985	110	1,030	1,130	110
Utah	80	80	100	600	525	88	680	605	89
Other States ¹	417	400	96	2,772	2,761	100	3,189	3,161	99
United States	6,117	6,330	103	67,192	69,156	103	73,309	75,486	103

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

Market Inventory by Weight Group – States and United States: September 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	275	305	125	140	105	95	95	85
Illinois	1,505	1,570	1,620	1,560	930	900	805	850
Indiana	1,050	960	1,180	1,230	780	890	830	870
Iowa	5,640	5,850	7,210	7,650	5,070	5,260	3,700	3,800
Kansas	475	445	505	525	355	385	500	505
Michigan	310	330	260	290	250	220	250	260
Minnesota	2,630	2,690	2,500	2,500	1,500	1,730	1,120	1,100
Missouri	1,485	1,605	640	640	460	530	475	510
Nebraska	1,015	1,010	835	865	600	570	590	575
North Carolina	3,400	3,450	1,950	2,000	1,550	1,580	1,500	1,460
Ohio	730	670	785	730	640	615	515	595
Oklahoma	770	835	440	375	265	235	290	375
Pennsylvania	305	325	335	340	270	270	180	255
South Dakota	450	520	365	405	260	275	250	275
Texas	235	310	255	275	160	150	245	250
Utah	235	220	125	105	130	105	110	95
Other States ¹	1,023	997	627	632	549	546	573	585
United States	21,533	22,092	19,757	20,262	13,874	14,356	12,028	12,445

¹ 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	3,740	98	4,100	4,000	98
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	1,780	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 ¹	420	409	97	2,615	2,686	103	3,035	3,095	102
United States	6,110	6,179	101	65,435	67,266	103	71,545	73,445	103

¹ 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	980	1,090	1,040	790	775	910	945
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	2,740	2,350	2,350	1,560	1,580	1,300	1,260
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 ¹	957	962	597	609	531	520	530	594
United States	20,887	21,482	18,102	18,594	13,786	14,005	12,660	13,184

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 2017-2019

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

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2017	2018	2019 ²	2019 as percent of 2018	2017	2018	2017	2018	2018 as percent of 2017
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	76	72	75	104	9.90	9.70	752	698	93
Illinois	265	260	260	100	10.20	10.60	2,703	2,756	102
Indiana	145	130	125	96	10.25	10.45	1,486	1,359	91
Iowa	510	560	540	96	10.75	11.00	5,483	6,160	112
Kansas	79	79	87	110	10.00	10.20	790	806	102
Michigan	50	53	54	102	10.40	10.70	520	567	109
Minnesota	275	300	305	102	11.35	11.20	3,121	3,360	108
Missouri	220	225	255	113	10.05	10.15	2,211	2,284	103
Nebraska	175	180	190	106	11.55	11.70	2,021	2,106	104
North Carolina	460	455	460	101	9.90	9.90	4,554	4,505	99
Ohio	91	91	96	105	10.80	10.80	983	983	100
Oklahoma	200	200	200	100	10.30	10.60	2,060	2,120	103
Pennsylvania	46	48	50	104	10.30	10.60	474	509	107
South Dakota	102	111	116	105	11.30	11.45	1,153	1,271	110
Texas	50	58	70	121	9.90	9.90	495	574	116
Utah	39	36	35	97	8.70	7.70	339	277	82
Other States ³	203	197	197	100	9.86	10.09	2,001	1,985	99
United States	2,986	3,055	3,115	102	10.43	10.58	31,146	32,320	104

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 2017 and 2018

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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 ²	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

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 2017 and 2018

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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	78	80	103	10.90	9.50	850	760	89
Illinois	265	260	98	10.75	10.65	2,849	2,769	97
Indiana	135	125	93	10.35	10.50	1,397	1,313	94
Iowa	520	570	110	11.20	11.20	5,824	6,384	110
Kansas	85	87	102	10.60	10.90	901	948	105
Michigan	54	57	106	10.80	10.80	583	616	106
Minnesota	300	305	102	11.40	11.15	3,420	3,401	99
Missouri	235	255	109	10.15	10.45	2,385	2,665	112
Nebraska	190	185	97	11.65	11.30	2,214	2,091	94
North Carolina	490	485	99	10.05	10.30	4,925	4,996	101
Ohio	97	89	92	10.70	10.90	1,038	970	93
Oklahoma	205	210	102	10.60	10.65	2,173	2,237	103
Pennsylvania	51	51	100	10.60	10.70	541	546	101
South Dakota	105	117	111	11.30	11.10	1,187	1,299	109
Texas	52	71	137	7.80	10.10	406	717	177
Utah	36	39	108	9.00	11.00	324	429	132
Other States ²	208	199	96	9.88	10.12	2,058	2,018	98
United States	3,106	3,185	103	10.65	10.72	33,075	34,159	103

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 2016-2018

[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	74	72	76	106	10.40	10.20	770	734	95
Illinois	260	265	270	102	10.60	10.70	2,756	2,836	103
Indiana	140	135	135	100	10.30	10.35	1,442	1,397	97
Iowa	550	550	560	102	10.90	11.15	5,995	6,133	102
Kansas	82	83	87	105	10.60	10.80	869	896	103
Michigan	49	53	58	109	10.60	10.90	519	578	111
Minnesota	310	315	305	97	11.20	11.45	3,472	3,607	104
Missouri	210	235	250	106	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	92	92	10.50	10.80	1,008	1,080	107
Oklahoma	195	200	210	105	10.55	10.70	2,057	2,140	104
Pennsylvania	50	50	50	100	10.50	10.40	525	520	99
South Dakota	100	105	117	111	10.90	11.45	1,090	1,202	110
Texas	48	60	69	115	9.90	9.20	475	552	116
Utah	38	35	34	97	9.00	9.00	342	315	92
Other States ³	204	202	190	94	9.96	10.15	2,031	2,048	101
United States	3,046	3,115	3,163	102	10.63	10.74	32,372	33,456	103

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.

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 September 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 September 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 1.3 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 75.5 million head by more than 1.3 percent. Chances are 9 out of 10 that the difference will not exceed 2.2 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	1.3	2.2	710	45.4	1,726	11	9
Pig crop	2.1	3.6	470	0	1,260	13	6
Expected farrowings							
Next quarter	2.5	4.4	65	10	129	11	9
Following quarter	3.0	5.2	75	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)
All hogs and pigs			
March 1	72,833	2018	1988
June 1	73,126	2018	1964
September 1	75,486	2018	1988
December 1	83,741	1943	1866
Market			
March 1	66,623	2018	1988
June 1	66,806	2018	1964
September 1	69,156	2018	1988
December 1	67,266	2017	1963
Pig crop			
December-February ¹	32,320	2018	1970
March-May	33,167	2018	1970
June-August	34,159	2018	1970
September-November	33,456	2017	1970
	(number)	(year)	(year)
Pigs per litter			
December-February ¹	10.58	2018	1970
March-May	10.63	2018	1970
June-August	10.72	2018	1970
September-November	10.74	2017	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.

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