



Quarterly Hogs and Pigs

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United States Hog Inventory Up 2 Percent

United States inventory of all hogs and pigs on March 1, 2019 was 74.3 million head. This was up 2 percent from March 1, 2018, but down slightly from December 1, 2018.

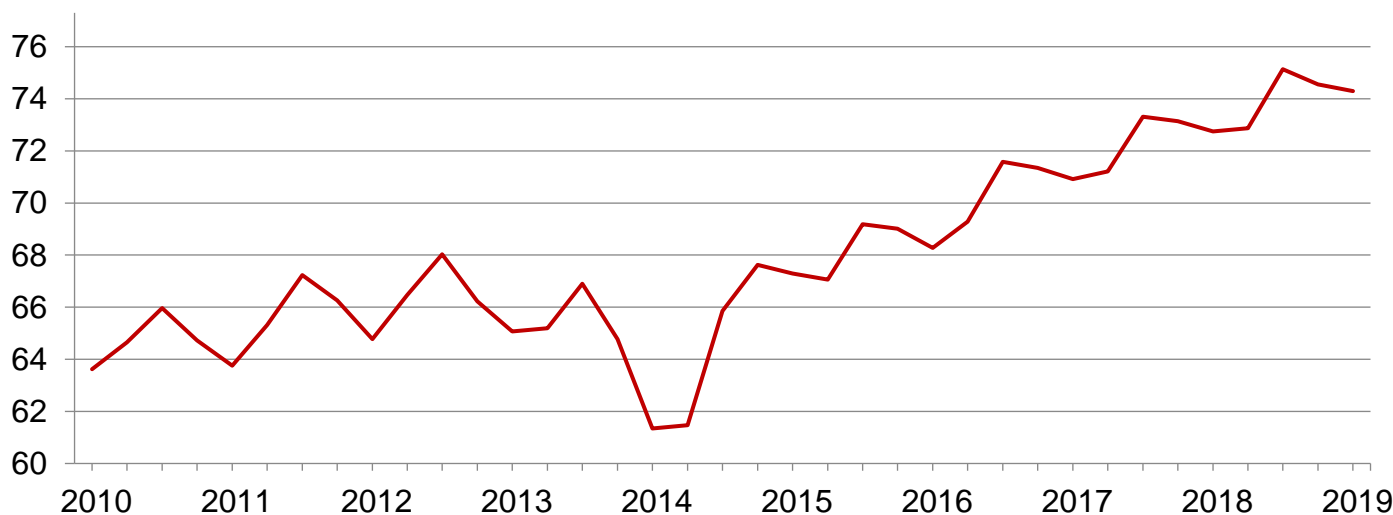
Breeding inventory, at 6.35 million head, was up 2 percent from last year, and up slightly from the previous quarter.

Market hog inventory, at 67.9 million head, was up 2 percent from last year, but down slightly from last quarter.

The December-February 2019 pig crop, at 33.0 million head, was up 3 percent from 2018. Sows farrowing during this period totaled 3.08 million head, up 2 percent from 2018. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was a record high of 10.70 for the December-February period, compared to 10.58 last year.

Quarterly Hogs and Pigs Inventory – United States: March 1

Million head



United States hog producers intend to have 3.12 million sows farrow during the March-May 2019 quarter, up 1 percent from the actual farrowings during the same period in 2018, and up 3 percent from 2017. Intended farrowings for June-August 2019, at 3.19 million sows, are down slightly from 2018, but up 3 percent from 2017.

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

Revisions

All inventory and pig crop estimates for March 2018 through December 2018 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The net revision made to the September 2018 all hogs and pigs inventory was 0.5 percent. A revision of 0.5 percent was made to the June-August 2018 pig crop.

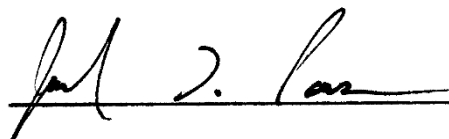
Records

Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

This report was approved on March 28, 2019.



Secretary of Agriculture
Designate
Robert Johansson



Agricultural Statistics Board
Chairperson
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Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2018 and 2019

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

Item	2018	2019	2019 as percent of 2018
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory			
All hogs and pigs	72,748	74,296	102
Kept for breeding	6,210	6,349	102
Market	66,538	67,948	102
Market hogs and pigs by weight groups			
Under 50 pounds	20,942	21,456	102
50-119 pounds	18,212	18,639	102
120-179 pounds	14,996	15,268	102
180 pounds and over	12,387	12,585	102
June 1 inventory			
All hogs and pigs	72,866		
Kept for breeding	6,320		
Market	66,546		
Market hogs and pigs by weight groups			
Under 50 pounds	21,327		
50-119 pounds	19,083		
120-179 pounds	13,988		
180 pounds and over	12,147		
September 1 inventory			
All hogs and pigs	75,136		
Kept for breeding	6,330		
Market	68,806		
Market hogs and pigs by weight groups			
Under 50 pounds	22,192		
50-119 pounds	20,357		
120-179 pounds	14,066		
180 pounds and over	12,190		
December 1 inventory			
All hogs and pigs	74,550		
Kept for breeding	6,326		
Market	68,225		
Market hogs and pigs by weight groups			
Under 50 pounds	21,599		
50-119 pounds	18,932		
120-179 pounds	14,412		
180 pounds and over	13,282		

Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2017-2019

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

Item	2017	2018	2019	2019 as percent of	
				2017	2018
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Sows farrowing					
December-February	2,990	3,034	3,084	103	102
March-May ¹	3,018	3,100	3,119	103	101
December-May ^{2 3}	6,007	6,134	6,203	103	101
June-August ¹	3,106	3,200	3,191	103	100
September-November	3,103	3,158			
June-November ³	6,209	6,358			
Pig crop					
December-February	31,187	32,101	32,999	106	103
March-May	31,839	32,942			
December-May ³	63,025	65,042			
June-August	33,075	34,320			
September-November	33,328	33,978			
June-November ³	66,402	68,298			
	(number)	(number)	(number)	(percent)	(percent)
Pigs per litter					
December-February	10.43	10.58	10.70	103	101
March-May	10.55	10.63			
December-May	10.49	10.60			
June-August	10.65	10.72			
September-November	10.74	10.76			
June-November	10.69	10.74			

¹ Intentions for 2019.

² Actual farrowings for December 2018-February 2019 plus intentions for March-May 2019.

³ May not add due to rounding.

Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2018 and 2019

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

Month	Sows farrowing ¹		Pigs per litter		Pig crop ¹	
	2018	2019	2018	2019	2018	2019
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December	1,026	1,036	10.62	10.72	10,894	11,098
January	1,016	1,032	10.49	10.68	10,661	11,016
February	992	1,017	10.63	10.71	10,546	10,885
March	1,062		10.59		11,245	
April	1,013		10.52		10,658	
May	1,025		10.77		11,038	
June	1,085		10.62		11,523	
July	1,054		10.65		11,229	
August	1,062		10.90		11,569	
September	1,087		10.65		11,576	
October	1,041		10.84		11,289	
November	1,029		10.80		11,113	
Total	12,492		10.67		133,341	

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, 2018 and 2019

[May not add due to rounding]

State	Breeding			Market			Total		
	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018	2018	2019	2019 as percent of 2018
	(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	625	635	102	780	790	101
Illinois	550	560	102	4,750	4,640	98	5,300	5,200	98
Indiana	260	260	100	3,790	3,890	103	4,050	4,150	102
Iowa	1,020	1,030	101	21,580	22,470	104	22,600	23,500	104
Kansas	160	170	106	1,900	1,870	98	2,060	2,040	99
Michigan	120	120	100	1,080	1,090	101	1,200	1,210	101
Minnesota	570	580	102	7,930	8,120	102	8,500	8,700	102
Missouri	455	470	103	2,995	3,030	101	3,450	3,500	101
Nebraska	420	450	107	3,030	3,100	102	3,450	3,550	103
North Carolina	900	900	100	8,000	8,000	100	8,900	8,900	100
Ohio	190	190	100	2,460	2,410	98	2,650	2,600	98
Oklahoma	445	450	101	1,725	1,720	100	2,170	2,170	100
Pennsylvania	110	120	109	1,100	1,120	102	1,210	1,240	102
South Dakota	235	245	104	1,425	1,585	111	1,660	1,830	110
Texas	145	150	103	975	930	95	1,120	1,080	96
Utah	75	80	107	430	670	156	505	750	149
Other States ¹	400	419	105	2,743	2,668	97	3,143	3,086	98
United States	6,210	6,349	102	66,538	67,948	102	72,748	74,296	102

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

Market Inventory by Weight Group – States and United States: March 1, 2018 and 2019

[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	
	2018	2019	2018	2019	2018	2019	2018	2019
	(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	285	290	120	125	105	105	115	115
Illinois	1,465	1,435	1,465	1,515	980	1,000	840	690
Indiana	965	990	1,140	1,100	860	920	825	880
Iowa	5,490	5,610	6,670	7,210	5,460	5,780	3,960	3,870
Kansas	405	480	540	430	410	395	545	565
Michigan	320	330	265	280	245	220	250	260
Minnesota	2,630	2,590	2,360	2,300	1,790	1,950	1,150	1,280
Missouri	1,455	1,525	560	540	530	505	450	460
Nebraska	1,040	1,060	775	850	670	670	545	520
North Carolina	3,240	3,190	1,720	1,650	1,710	1,590	1,330	1,570
Ohio	680	700	610	610	600	520	570	580
Oklahoma	735	800	335	360	260	210	395	350
Pennsylvania	290	305	305	305	270	245	235	265
South Dakota	510	590	370	380	280	310	265	305
Texas	270	265	270	260	185	180	250	225
Utah	155	295	90	120	95	130	90	125
Other States ¹	1,007	1,001	617	604	546	538	572	525
United States	20,942	21,456	18,212	18,639	14,996	15,268	12,387	12,585

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	3,740	3,700	99	4,000	3,950	99
Iowa	1,030	1,040	101	20,970	21,560	103	22,000	22,600	103
Kansas	160	165	103	1,800	1,875	104	1,960	2,040	104
Michigan	110	120	109	1,000	1,080	108	1,110	1,200	108
Minnesota	570	580	102	8,030	7,920	99	8,600	8,500	99
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	8,120	7,990	98	9,000	8,900	99
Ohio	190	190	100	2,360	2,460	104	2,550	2,650	104
Oklahoma	450	460	102	1,560	1,690	108	2,010	2,150	107
Pennsylvania	105	120	114	1,085	1,170	108	1,190	1,290	108
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	65,101	66,546	102	71,210	72,866	102

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	1,460	930	930	830	840
Indiana	920	940	1,170	1,150	790	780	860	830
Iowa	5,450	5,560	6,950	7,080	4,950	5,200	3,620	3,720
Kansas	480	420	490	515	355	375	475	565
Michigan	290	310	240	290	245	220	225	260
Minnesota	2,610	2,610	2,440	2,430	1,660	1,760	1,320	1,120
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	1,880	1,840	1,490	1,450	1,460	1,330
Ohio	720	670	650	630	550	580	440	580
Oklahoma	685	785	340	400	230	215	305	290
Pennsylvania	285	310	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	21,327	18,841	19,083	13,696	13,988	11,917	12,147

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	21,720	22,560	104	22,700	23,600	104
Kansas	165	170	103	1,845	1,860	101	2,010	2,030	101
Michigan	120	120	100	1,070	1,100	103	1,190	1,220	103
Minnesota	550	580	105	7,850	8,020	102	8,400	8,600	102
Missouri	440	465	106	3,060	3,285	107	3,500	3,750	107
Nebraska	410	430	105	3,090	3,020	98	3,500	3,450	99
North Carolina	900	910	101	8,400	8,390	100	9,300	9,300	100
Ohio	180	190	106	2,420	2,360	98	2,600	2,550	98
Oklahoma	455	460	101	1,735	1,820	105	2,190	2,280	104
Pennsylvania	110	120	109	1,100	1,190	108	1,210	1,310	108
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	2,782	2,761	99	3,199	3,161	99
United States	6,117	6,330	103	67,192	68,806	102	73,309	75,136	102

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	150	105	95	95	75
Illinois	1,505	1,570	1,620	1,580	930	890	805	840
Indiana	1,050	990	1,180	1,240	780	870	830	850
Iowa	5,670	5,900	7,250	7,750	5,100	5,210	3,700	3,700
Kansas	475	445	510	530	360	385	500	500
Michigan	310	330	260	290	250	220	250	260
Minnesota	2,630	2,720	2,550	2,530	1,550	1,700	1,120	1,070
Missouri	1,485	1,605	640	640	460	530	475	510
Nebraska	1,015	1,010	835	865	600	570	640	575
North Carolina	3,400	3,450	1,950	2,000	1,550	1,520	1,500	1,420
Ohio	700	650	685	640	540	500	495	570
Oklahoma	770	845	440	385	265	230	260	360
Pennsylvania	305	325	340	340	275	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	559	546	573	585
United States	21,533	22,192	19,757	20,357	13,874	14,066	12,028	12,190

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

Breeding, Market, and Total Inventory – States and United States: December 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	150	155	103	600	595	99	750	750	100
Illinois	530	560	106	4,870	4,740	97	5,400	5,300	98
Indiana	260	260	100	3,740	3,940	105	4,000	4,200	105
Iowa	1,000	1,020	102	21,800	22,280	102	22,800	23,300	102
Kansas	165	170	103	1,945	1,880	97	2,110	2,050	97
Michigan	120	120	100	1,070	1,060	99	1,190	1,180	99
Minnesota	570	570	100	7,930	8,330	105	8,500	8,900	105
Missouri	450	470	104	2,950	3,080	104	3,400	3,550	104
Nebraska	430	440	102	3,170	3,060	97	3,600	3,500	97
North Carolina	900	900	100	8,100	8,200	101	9,000	9,100	101
Ohio	190	200	105	2,510	2,350	94	2,700	2,550	94
Oklahoma	460	445	97	1,740	1,755	101	2,200	2,200	100
Pennsylvania	110	120	109	1,130	1,190	105	1,240	1,310	106
South Dakota	215	255	119	1,345	1,485	110	1,560	1,740	112
Texas	140	150	107	910	960	105	1,050	1,110	106
Utah	80	80	100	470	630	134	550	710	129
Other States ¹	409	411	100	2,686	2,690	100	3,095	3,100	100
United States	6,179	6,326	102	66,966	68,225	102	73,145	74,550	102

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

Market Inventory by Weight Group – States and United States: December 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	270	130	125	115	85	100	115
Illinois	1,550	1,480	1,480	1,500	920	910	920	850
Indiana	980	1,010	1,040	1,200	775	820	945	910
Iowa	5,800	5,700	6,870	7,100	5,080	5,260	4,050	4,220
Kansas	475	455	520	515	425	380	525	530
Michigan	330	320	240	280	245	210	255	250
Minnesota	2,720	2,790	2,350	2,400	1,600	1,830	1,260	1,310
Missouri	1,450	1,550	560	550	445	510	495	470
Nebraska	1,030	1,030	840	790	640	610	660	630
North Carolina	3,190	3,190	1,790	1,780	1,570	1,600	1,550	1,630
Ohio	740	670	660	610	560	520	550	550
Oklahoma	735	760	430	385	230	280	345	330
Pennsylvania	305	335	335	335	250	265	240	255
South Dakota	460	565	365	365	270	285	250	270
Texas	240	270	240	260	180	170	250	260
Utah	185	240	85	125	100	135	100	130
Other States ¹	962	964	609	612	520	542	594	572
United States	21,407	21,599	18,544	18,932	13,925	14,412	13,089	13,282

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 2018 and 2019

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

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	2018	2019	2019 as percent of 2018	2018	2019	2018	2019	2019 as percent of 2018
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	72	78	108	9.70	9.20	698	718	103
Illinois	260	265	102	10.60	10.65	2,756	2,822	102
Indiana	130	125	96	10.45	10.20	1,359	1,275	94
Iowa	550	530	96	11.00	11.20	6,050	5,936	98
Kansas	79	86	109	10.20	10.60	806	912	113
Michigan	53	56	106	10.70	10.90	567	610	108
Minnesota	295	290	98	11.20	11.60	3,304	3,364	102
Missouri	225	240	107	10.15	10.55	2,284	2,532	111
Nebraska	180	185	103	11.70	11.55	2,106	2,137	101
North Carolina	445	450	101	9.90	9.90	4,406	4,455	101
Ohio	91	91	100	10.80	10.70	983	974	99
Oklahoma	200	205	103	10.60	10.65	2,120	2,183	103
Pennsylvania	48	54	113	10.60	10.80	509	583	115
South Dakota	113	118	104	11.45	11.85	1,294	1,398	108
Texas	60	66	110	9.90	10.20	594	673	113
Utah	36	40	111	7.70	9.20	277	368	133
Other States ²	197	205	104	10.08	10.05	1,988	2,059	104
United States	3,034	3,084	102	10.58	10.70	32,101	32,999	103

¹ Number of pigs born December-February that were still on hand March 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: March-May 2017-2019

[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	77	75	73	97	10.40	9.60	801	720	90
Illinois	255	275	270	98	10.55	10.70	2,690	2,943	109
Indiana	135	115	130	113	10.50	10.30	1,418	1,185	84
Iowa	510	560	530	95	10.95	11.10	5,585	6,216	111
Kansas	81	76	85	112	10.00	10.10	810	768	95
Michigan	51	53	55	104	10.50	10.90	536	578	108
Minnesota	300	310	295	95	11.40	11.20	3,420	3,472	102
Missouri	220	240	250	104	10.25	10.20	2,255	2,448	109
Nebraska	185	190	195	103	11.45	11.30	2,118	2,147	101
North Carolina	470	455	465	102	10.00	10.10	4,700	4,596	98
Ohio	97	88	92	105	10.60	11.00	1,028	968	94
Oklahoma	195	205	205	100	10.60	10.70	2,067	2,194	106
Pennsylvania	51	50	53	106	10.50	10.50	536	525	98
South Dakota	102	110	118	107	11.40	11.70	1,163	1,287	111
Texas	50	64	66	103	7.30	9.80	365	627	172
Utah	39	34	40	118	9.00	7.60	351	258	74
Other States ³	200	200	197	98	10.00	10.06	1,996	2,010	101
United States	3,018	3,100	3,119	101	10.55	10.63	31,839	32,942	103

¹ Number of pigs born March-May that were still on hand June 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: June-August 2017-2019

[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	78	80	77	96	10.90	9.50	850	760	89
Illinois	265	265	275	104	10.75	10.65	2,849	2,822	99
Indiana	135	125	130	104	10.35	10.50	1,397	1,313	94
Iowa	520	580	560	97	11.20	11.20	5,824	6,496	112
Kansas	85	87	87	100	10.60	10.90	901	948	105
Michigan	54	57	54	95	10.80	10.80	583	616	106
Minnesota	300	305	300	98	11.40	11.15	3,420	3,401	99
Missouri	235	255	255	100	10.15	10.45	2,385	2,665	112
Nebraska	190	185	200	108	11.65	11.30	2,214	2,091	94
North Carolina	490	485	465	96	10.05	10.30	4,925	4,996	101
Ohio	97	89	95	107	10.70	10.90	1,038	970	93
Oklahoma	205	210	210	100	10.60	10.65	2,173	2,237	103
Pennsylvania	51	51	53	104	10.60	10.70	541	546	101
South Dakota	105	117	115	98	11.30	11.10	1,187	1,299	109
Texas	52	69	70	101	7.80	10.10	406	697	172
Utah	36	39	39	100	9.00	11.00	324	429	132
Other States ³	208	201	206	102	9.88	10.10	2,058	2,034	99
United States	3,106	3,200	3,191	100	10.65	10.72	33,075	34,320	104

¹ Number of pigs born June-August that were still on hand September 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: September-November 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	72	75	104	10.20	9.60	734	720	98
Illinois	265	270	102	10.70	10.65	2,836	2,876	101
Indiana	135	120	89	10.35	10.60	1,397	1,272	91
Iowa	550	560	102	11.15	11.20	6,133	6,272	102
Kansas	83	85	102	10.80	10.90	896	927	103
Michigan	53	54	102	10.90	10.50	578	567	98
Minnesota	315	300	95	11.45	11.40	3,607	3,420	95
Missouri	235	250	106	10.40	10.60	2,444	2,650	108
Nebraska	195	190	97	11.70	11.45	2,282	2,176	95
North Carolina	460	465	101	10.20	10.15	4,692	4,720	101
Ohio	94	98	104	10.80	10.50	1,015	1,029	101
Oklahoma	195	205	105	10.70	10.60	2,087	2,173	104
Pennsylvania	49	52	106	10.40	11.00	510	572	112
South Dakota	105	127	121	11.45	11.65	1,202	1,480	123
Texas	60	67	112	9.20	10.40	552	697	126
Utah	35	37	106	9.00	10.00	315	370	117
Other States ²	202	203	100	10.15	10.15	2,048	2,057	100
United States	3,103	3,158	102	10.74	10.76	33,328	33,978	102

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

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

Statistical Methodology

Survey Procedures: A random sample of roughly 5,100 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 2019, data were collected from about 3,500 operations, 69.2 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, 2019.

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 1.1 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 74.3 million head by more than 1.1 percent. Chances are 9 out of 10 that the difference will not exceed 1.9 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	1.1	1.9	583	0	1,576	9	10
Pig crop	1.9	3.2	423	0	1,158	12	7
Expected farrowings							
Next quarter	2.5	4.4	67	19	129	13	7
Following quarter	3.0	5.2	75	11	197	12	8

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	74,296	2019	1988
June 1	72,866	2018	1964
September 1	75,136	2018	1988
December 1	83,741	1943	1866
Market			
March 1	67,948	2019	1988
June 1	66,546	2018	1964
September 1	68,806	2018	1988
December 1	68,225	2018	1963
Pig crop			
December-February ¹	32,999	2019	1970
March-May	32,942	2018	1970
June-August	34,320	2018	1970
September-November	33,978	2018	1970
	(number)	(year)	(year)
Pigs per litter			
December-February ¹	10.70	2019	1970
March-May	10.63	2018	1970
June-August	10.72	2018	1970
September-November	10.76	2018	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.

Travis Averill, Chief, Livestock Branch	(202) 720-3570
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Holly Brenize – Sheep and Goats	(202) 720-0585
Donnie Fike – Dairy Products	(202) 720-4448
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
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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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USDA NASS Data Users' Meeting
Tuesday, April 23, 2019

University of Chicago – Gleacher Center
450 North Cityfront Plaza Drive
Chicago, IL 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 2019 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). Contact Vernita Murray (NASS) at 202-690-8141 or vernita.murray@nass.usda.gov or Patricia Snipe (NASS) at 202-720-2248 or patricia.snipe@nass.usda.gov for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 24, 2019. 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 Laura Lahr at 303-716-9935 or laura.lahr@lmic.info.