



# Quarterly Hogs and Pigs

ISSN: 1949-1921

Released September 27, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## United States Hog Inventory Up 3 Percent

**United States inventory** of all hogs and pigs on September 1, 2019 was 77.7 million head. This was up 3 percent from September 1, 2018, and up 3 percent from June 1, 2019. This is the highest September 1 inventory of all hogs and pigs since the estimates began in 1988.

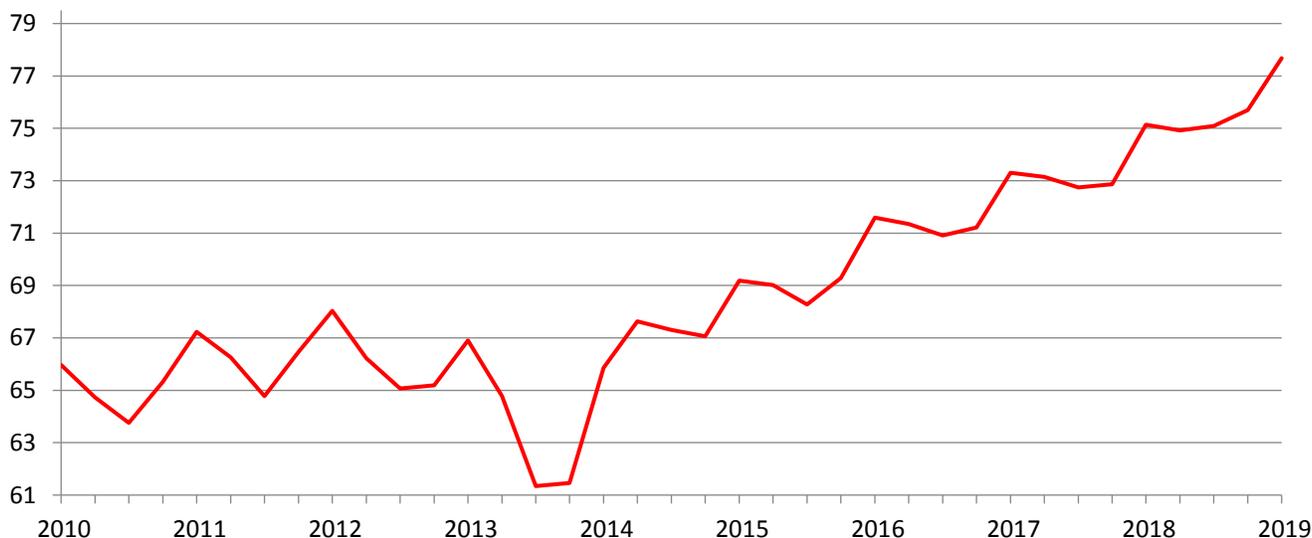
**Breeding inventory**, at 6.43 million head, was up 2 percent from last year, and up slightly from the previous quarter.

**Market hog inventory**, at 71.2 million head, was up 4 percent from last year, and up 3 percent from last quarter. This is the highest September 1 market hog inventory the estimates began in 1988.

**The June-August 2019 pig crop**, at 35.3 million head, was up 3 percent from 2018. This is the largest June-August pig crop since estimates began in 1970. Sows farrowing during this period totaled 3.18 million head, down 1 percent from 2018. The sows farrowed during this quarter represented 50 percent of the breeding herd. The average pigs saved per litter was a record high of 11.11 for the June-August period, compared to 10.72 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 2019 quarter, down 1 percent from the actual farrowings during the same period in 2018, but up 2 percent from 2017. Intended farrowings for December 2019-February 2020, at 3.11 million sows, are down slightly from 2019, but up 2 percent from 2018.

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, unchanged from the previous year.

## Revisions

All inventory and pig crop estimates for September 2018 through June 2019 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the June 2019 all hogs and pigs inventory was 0.2 percent. The net revision made to the March 2019 all hogs and pigs inventory was 1.1 percent. A net revision of 1.0 percent was made to the December 2018-February 2019 pig crop.

## Records

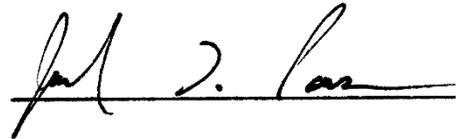
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on September 27, 2019.



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: 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	75,086	103
Kept for breeding .....	6,210	6,349	102
Market .....	66,538	68,738	103
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	20,942	21,466	103
50-119 pounds .....	18,212	19,289	106
120-179 pounds .....	14,996	15,058	100
180 pounds and over .....	12,387	12,925	104
June 1 inventory .....			
All hogs and pigs .....	72,866	75,700	104
Kept for breeding .....	6,320	6,410	101
Market .....	66,546	69,291	104
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,327	22,019	103
50-119 pounds .....	19,083	19,606	103
120-179 pounds .....	13,988	14,517	104
180 pounds and over .....	12,147	13,149	108
September 1 inventory .....			
All hogs and pigs .....	75,136	77,678	103
Kept for breeding .....	6,330	6,431	102
Market .....	68,806	71,248	104
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	22,192	22,616	102
50-119 pounds .....	20,357	20,849	102
120-179 pounds .....	14,066	14,814	105
180 pounds and over .....	12,190	12,969	106
December 1 inventory .....			
All hogs and pigs .....	74,915		
Kept for breeding .....	6,326		
Market .....	68,590		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,599		
50-119 pounds .....	19,297		
120-179 pounds .....	14,412		
180 pounds and over .....	13,282		

## Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2017-2020

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

Item	2017	2018	2019	2020	2019 as percent of		2020 as percent of 2019
					2017	2018	
	(1,000 head)	(1,000 head)	(1,000 head)			(percent)	(percent)
Sows farrowing .....							
December-February <sup>2</sup> .....	2,990	3,034	3,114	3,110	104	103	100
March-May .....	3,018	3,100	3,108		103	100	
December-May <sup>1</sup> .....	6,007	6,134	6,222		104	101	
June-August .....	3,106	3,200	3,179		102	99	
September-November <sup>3</sup> .....	3,103	3,174	3,155		102	99	
June-November <sup>1 4</sup> .....	6,209	6,374	6,334		102	99	
Pig crop .....							
December-February .....	31,187	32,101	33,327		107	104	
March-May .....	31,839	32,942	34,177		107	104	
December-May <sup>1</sup> .....	63,025	65,042	67,504		107	104	
June-August .....	33,075	34,320	35,306		107	103	
September-November .....	33,328	34,154					
June-November <sup>1</sup> .....	66,402	68,475					
	(number)	(number)	(number)		(percent)	(percent)	
Pigs per litter .....							
December-February .....	10.43	10.58	10.70		103	101	
March-May .....	10.55	10.63	11.00		104	103	
December-May .....	10.49	10.60	10.85		103	102	
June-August .....	10.65	10.72	11.11		104	104	
September-November .....	10.74	10.76					
June-November .....	10.69	10.74					

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

<sup>2</sup> Intentions for 2020.

<sup>3</sup> Intentions for 2019.

<sup>4</sup> Actual farrowings for June-August plus intentions for September-November.

## 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 <sup>1</sup>		Pigs per litter		Pig crop <sup>1</sup>	
	2018	2019	2018	2019	2018	2019
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	1,026	1,046	10.62	10.72	10,894	11,209
January .....	1,016	1,042	10.49	10.68	10,661	11,125
February .....	992	1,027	10.63	10.71	10,546	10,993
March .....	1,062	1,066	10.59	10.85	11,245	11,568
April .....	1,013	1,019	10.52	11.01	10,658	11,219
May .....	1,025	1,023	10.77	11.13	11,038	11,390
June .....	1,085	1,083	10.62	11.02	11,523	11,935
July .....	1,054	1,054	10.65	11.10	11,229	11,696
August .....	1,062	1,042	10.90	11.20	11,569	11,676
September .....	1,093		10.65		11,636	
October .....	1,047		10.84		11,347	
November .....	1,034		10.80		11,171	
Total .....	12,508		10.67		133,517	

<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, 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	645	103	780	800	103
Illinois .....	550	560	102	4,750	4,690	99	5,300	5,250	99
Indiana .....	260	260	100	3,790	3,940	104	4,050	4,200	104
Iowa .....	1,020	1,030	101	21,580	22,670	105	22,600	23,700	105
Kansas .....	160	170	106	1,900	1,880	99	2,060	2,050	100
Michigan .....	120	120	100	1,080	1,120	104	1,200	1,240	103
Minnesota .....	570	580	102	7,930	8,220	104	8,500	8,800	104
Missouri .....	455	470	103	2,995	3,080	103	3,450	3,550	103
Nebraska .....	420	450	107	3,030	3,150	104	3,450	3,600	104
North Carolina .....	900	900	100	8,000	8,100	101	8,900	9,000	101
Ohio .....	190	190	100	2,460	2,460	100	2,650	2,650	100
Oklahoma .....	445	450	101	1,725	1,730	100	2,170	2,180	100
Pennsylvania .....	110	120	109	1,100	1,150	105	1,210	1,270	105
South Dakota .....	235	245	104	1,425	1,605	113	1,660	1,850	111
Texas .....	145	150	103	975	950	97	1,120	1,100	98
Utah .....	75	80	107	430	670	156	505	750	149
Other States <sup>1</sup> .....	400	419	105	2,743	2,678	98	3,143	3,096	99
United States .....	6,210	6,349	102	66,538	68,738	103	72,748	75,086	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, 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	135	105	105	115	115
Illinois .....	1,465	1,415	1,465	1,555	980	1,000	840	720
Indiana .....	965	1,040	1,140	1,100	860	920	825	880
Iowa .....	5,490	5,510	6,670	7,510	5,460	5,630	3,960	4,020
Kansas .....	405	480	540	440	410	395	545	565
Michigan .....	320	330	265	300	245	225	250	265
Minnesota .....	2,630	2,590	2,360	2,400	1,790	1,860	1,150	1,370
Missouri .....	1,455	1,555	560	560	530	505	450	460
Nebraska .....	1,040	1,060	775	880	670	690	545	520
North Carolina .....	3,240	3,190	1,720	1,700	1,710	1,590	1,330	1,620
Ohio .....	680	720	610	640	600	520	570	580
Oklahoma .....	735	800	335	360	260	210	395	360
Pennsylvania .....	290	315	305	325	270	245	235	265
South Dakota .....	510	590	370	390	280	320	265	305
Texas .....	270	275	270	260	185	180	250	235
Utah .....	155	295	90	120	95	130	90	125
Other States <sup>1</sup> .....	1,007	1,011	617	614	546	533	572	520
United States .....	20,942	21,466	18,212	19,289	14,996	15,058	12,387	12,925

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

## Breeding, Market, and Total Inventory – States and United States: June 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	160	103	605	620	102	760	780	103
Illinois .....	570	590	104	4,780	4,710	99	5,350	5,300	99
Indiana .....	250	260	104	3,700	3,990	108	3,950	4,250	108
Iowa .....	1,040	1,000	96	21,560	22,800	106	22,600	23,800	105
Kansas .....	165	175	106	1,875	1,845	98	2,040	2,020	99
Michigan .....	120	120	100	1,080	1,130	105	1,200	1,250	104
Minnesota .....	580	570	98	7,920	8,130	103	8,500	8,700	102
Missouri .....	460	480	104	3,040	3,120	103	3,500	3,600	103
Nebraska .....	430	460	107	3,070	3,240	106	3,500	3,700	106
North Carolina .....	910	900	99	7,990	8,300	104	8,900	9,200	103
Ohio .....	190	200	105	2,460	2,550	104	2,650	2,750	104
Oklahoma .....	460	445	97	1,690	1,715	101	2,150	2,160	100
Pennsylvania .....	120	120	100	1,170	1,100	94	1,290	1,220	95
South Dakota .....	240	265	110	1,440	1,605	111	1,680	1,870	111
Texas .....	145	155	107	995	935	94	1,140	1,090	96
Utah .....	80	80	100	450	750	167	530	830	157
Other States <sup>1</sup> .....	405	430	106	2,721	2,751	101	3,126	3,180	102
United States .....	6,320	6,410	101	66,546	69,291	104	72,866	75,700	104

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

## Market Inventory by Weight Group – States and United States: June 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 .....	290	295	120	130	95	100	100	95
Illinois .....	1,550	1,435	1,460	1,500	930	950	840	825
Indiana .....	940	1,060	1,150	1,150	780	840	830	940
Iowa .....	5,560	5,850	7,080	7,450	5,200	5,450	3,720	4,050
Kansas .....	420	460	515	490	375	385	565	510
Michigan .....	310	320	290	320	220	230	260	260
Minnesota .....	2,610	2,570	2,430	2,530	1,760	1,740	1,120	1,290
Missouri .....	1,505	1,540	590	530	475	525	470	525
Nebraska .....	1,050	1,100	840	860	600	630	580	650
North Carolina .....	3,370	3,370	1,840	1,830	1,450	1,500	1,330	1,600
Ohio .....	670	730	630	660	580	590	580	570
Oklahoma .....	785	800	400	365	215	220	290	330
Pennsylvania .....	310	305	355	345	250	235	255	215
South Dakota .....	510	580	380	430	270	290	280	305
Texas .....	300	285	275	235	165	145	255	270
Utah .....	175	325	90	150	90	140	95	135
Other States <sup>1</sup> .....	972	994	638	631	533	547	577	579
United States .....	21,327	22,019	19,083	19,606	13,988	14,517	12,147	13,149

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

## Breeding, Market, and Total Inventory – States and United States: September 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	160	103	625	620	99	780	780	100
Illinois .....	570	590	104	4,880	4,710	97	5,450	5,300	97
Indiana .....	250	250	100	3,950	4,050	103	4,200	4,300	102
Iowa .....	1,040	1,010	97	22,560	23,890	106	23,600	24,900	106
Kansas .....	170	175	103	1,860	1,905	102	2,030	2,080	102
Michigan .....	120	120	100	1,100	1,120	102	1,220	1,240	102
Minnesota .....	580	580	100	8,020	8,420	105	8,600	9,000	105
Missouri .....	465	490	105	3,285	3,110	95	3,750	3,600	96
Nebraska .....	430	450	105	3,020	3,300	109	3,450	3,750	109
North Carolina .....	910	900	99	8,390	8,600	103	9,300	9,500	102
Ohio .....	190	200	105	2,360	2,540	108	2,550	2,740	107
Oklahoma .....	460	460	100	1,820	1,780	98	2,280	2,240	98
Pennsylvania .....	120	120	100	1,190	1,130	95	1,310	1,250	95
South Dakota .....	245	265	108	1,475	1,735	118	1,720	2,000	116
Texas .....	145	155	107	985	1,035	105	1,130	1,190	105
Utah .....	80	80	100	525	880	168	605	960	159
Other States <sup>1</sup> .....	400	426	106	2,761	2,423	88	3,161	2,848	90
United States .....	6,330	6,431	102	68,806	71,248	104	75,136	77,678	103

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

## Market Inventory by Weight Group – States and United States: September 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 .....	305	295	150	120	95	100	75	105
Illinois .....	1,570	1,390	1,580	1,570	890	900	840	850
Indiana .....	990	1,040	1,240	1,200	870	860	850	950
Iowa .....	5,900	6,210	7,750	7,930	5,210	5,610	3,700	4,140
Kansas .....	445	480	530	500	385	375	500	550
Michigan .....	330	300	290	300	220	240	260	280
Minnesota .....	2,720	2,830	2,530	2,750	1,700	1,730	1,070	1,110
Missouri .....	1,605	1,480	640	590	530	545	510	495
Nebraska .....	1,010	1,140	865	890	570	670	575	600
North Carolina .....	3,450	3,360	2,000	2,120	1,520	1,590	1,420	1,530
Ohio .....	650	730	640	690	500	540	570	580
Oklahoma .....	845	795	385	455	230	230	360	300
Pennsylvania .....	325	305	340	325	270	270	255	230
South Dakota .....	520	645	405	440	275	310	275	340
Texas .....	310	335	275	280	150	190	250	230
Utah .....	220	355	105	175	105	175	95	175
Other States <sup>1</sup> .....	997	926	632	514	546	479	585	504
United States .....	22,192	22,616	20,357	20,849	14,066	14,814	12,190	12,969

<sup>1</sup> 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	4,790	98	5,400	5,350	99
Indiana .....	260	260	100	3,740	3,940	105	4,000	4,200	105
Iowa .....	1,000	1,020	102	21,800	22,480	103	22,800	23,500	103
Kansas .....	165	170	103	1,945	1,870	96	2,110	2,040	97
Michigan .....	120	120	100	1,070	1,050	98	1,190	1,170	98
Minnesota .....	570	570	100	7,930	8,430	106	8,500	9,000	106
Missouri .....	450	470	104	2,950	3,130	106	3,400	3,600	106
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	1,745	100	2,200	2,190	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 <sup>1</sup> .....	409	411	100	2,686	2,685	100	3,095	3,095	100
United States .....	6,179	6,326	102	66,966	68,590	102	73,145	74,915	102

<sup>1</sup> 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	1,530	1,480	1,500	920	910	920	850
Indiana .....	980	1,010	1,040	1,200	775	820	945	910
Iowa .....	5,800	5,600	6,870	7,400	5,080	5,260	4,050	4,220
Kansas .....	475	445	520	515	425	380	525	530
Michigan .....	330	310	240	280	245	210	255	250
Minnesota .....	2,720	2,830	2,350	2,460	1,600	1,830	1,260	1,310
Missouri .....	1,450	1,600	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	745	430	390	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 <sup>1</sup> .....	962	959	609	612	520	542	594	572
United States .....	21,407	21,599	18,544	19,297	13,925	14,412	13,089	13,282

<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 2018-2020

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

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2018	2019	2020 <sup>2</sup>	2020 as percent of 2019	2018	2019	2018	2019	2019 as percent of 2018
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	72	78	79	101	9.70	9.20	698	718	103
Illinois .....	260	270	270	100	10.60	10.65	2,756	2,876	104
Indiana .....	130	125	115	92	10.45	10.20	1,359	1,275	94
Iowa .....	550	530	520	98	11.00	11.20	6,050	5,936	98
Kansas .....	79	86	88	102	10.20	10.60	806	912	113
Michigan .....	53	56	50	89	10.70	10.90	567	610	108
Minnesota .....	295	300	270	90	11.20	11.60	3,304	3,480	105
Missouri .....	225	245	250	102	10.15	10.55	2,284	2,585	113
Nebraska .....	180	185	200	108	11.70	11.55	2,106	2,137	101
North Carolina .....	445	455	465	102	9.90	9.90	4,406	4,505	102
Ohio .....	91	93	100	108	10.80	10.70	983	995	101
Oklahoma .....	200	205	210	102	10.60	10.65	2,120	2,183	103
Pennsylvania .....	48	55	49	89	10.60	10.80	509	594	117
South Dakota .....	113	119	123	103	11.45	11.85	1,294	1,410	109
Texas .....	60	66	70	106	9.90	10.20	594	673	113
Utah .....	36	40	43	108	7.70	9.20	277	368	133
Other States <sup>3</sup> .....	197	206	208	101	10.08	10.05	1,988	2,070	104
United States .....	3,034	3,114	3,110	100	10.58	10.70	32,101	33,327	104

<sup>1</sup> Number of pigs born December-February that were still on hand March 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: March-May 2018-2019

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	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 .....	75	78	104	9.60	10.70	720	835	116
Illinois .....	275	270	98	10.70	10.75	2,943	2,903	99
Indiana .....	115	115	100	10.30	10.70	1,185	1,231	104
Iowa .....	560	520	93	11.10	11.45	6,216	5,954	96
Kansas .....	76	86	113	10.10	10.70	768	920	120
Michigan .....	53	54	102	10.90	11.00	578	594	103
Minnesota .....	310	285	92	11.20	11.85	3,472	3,377	97
Missouri .....	240	240	100	10.20	10.65	2,448	2,556	104
Nebraska .....	190	195	103	11.30	11.50	2,147	2,243	104
North Carolina .....	455	460	101	10.10	10.50	4,596	4,830	105
Ohio .....	88	98	111	11.00	11.20	968	1,098	113
Oklahoma .....	205	215	105	10.70	10.55	2,194	2,268	103
Pennsylvania .....	50	54	108	10.50	11.10	525	599	114
South Dakota .....	110	123	112	11.70	11.95	1,287	1,470	114
Texas .....	64	66	103	9.80	10.50	627	693	111
Utah .....	34	43	126	7.60	10.70	258	460	178
Other States <sup>2</sup> .....	200	206	103	10.06	10.41	2,010	2,146	107
United States .....	3,100	3,108	100	10.63	11.00	32,942	34,177	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 2018 and 2019

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	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 .....	80	78	98	9.50	10.70	760	835	110
Illinois .....	265	280	106	10.65	10.95	2,822	3,066	109
Indiana .....	125	115	92	10.50	11.00	1,313	1,265	96
Iowa .....	580	540	93	11.20	11.35	6,496	6,129	94
Kansas .....	87	87	100	10.90	10.90	948	948	100
Michigan .....	57	53	93	10.80	11.10	616	588	95
Minnesota .....	305	290	95	11.15	11.95	3,401	3,466	102
Missouri .....	255	250	98	10.45	11.10	2,665	2,775	104
Nebraska .....	185	190	103	11.30	11.65	2,091	2,214	106
North Carolina .....	485	480	99	10.30	10.50	4,996	5,040	101
Ohio .....	89	97	109	10.90	11.30	970	1,096	113
Oklahoma .....	210	220	105	10.65	10.90	2,237	2,398	107
Pennsylvania .....	51	50	98	10.70	11.30	546	565	103
South Dakota .....	117	126	108	11.10	11.85	1,299	1,493	115
Texas .....	69	70	101	10.10	10.90	697	763	109
Utah .....	39	44	113	11.00	11.00	429	484	113
Other States <sup>2</sup> .....	201	209	104	10.10	10.44	2,034	2,181	107
United States .....	3,200	3,179	99	10.72	11.11	34,320	35,306	103

<sup>1</sup> Number of pigs born June-August that were still on hand September 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: September-November 2017-2019

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2017	2018	2019 <sup>2</sup>	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 .....	72	75	73	97	10.20	9.60	734	720	98
Illinois .....	265	275	280	102	10.70	10.65	2,836	2,929	103
Indiana .....	135	125	120	96	10.35	10.60	1,397	1,325	95
Iowa .....	550	560	530	95	11.15	11.20	6,133	6,272	102
Kansas .....	83	85	86	101	10.80	10.90	896	927	103
Michigan .....	53	54	54	100	10.90	10.50	578	567	98
Minnesota .....	315	300	280	93	11.45	11.40	3,607	3,420	95
Missouri .....	235	250	250	100	10.40	10.60	2,444	2,650	108
Nebraska .....	195	190	205	108	11.70	11.45	2,282	2,176	95
North Carolina .....	460	470	470	100	10.20	10.15	4,692	4,771	102
Ohio .....	94	99	102	103	10.80	10.60	1,015	1,049	103
Oklahoma .....	195	205	215	105	10.70	10.60	2,087	2,173	104
Pennsylvania .....	49	52	49	94	10.40	11.00	510	572	112
South Dakota .....	105	127	124	98	11.45	11.65	1,202	1,480	123
Texas .....	60	67	69	103	9.20	10.40	552	697	126
Utah .....	35	37	44	119	9.00	10.00	315	370	117
Other States <sup>3</sup> .....	202	203	204	101	10.15	10.15	2,048	2,056	100
United States .....	3,103	3,174	3,155	99	10.74	10.76	33,328	34,154	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.

## Statistical Methodology

**Survey Procedures:** A random sample of roughly 5,200 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 2019, data were collected from about 3,800 operations, 73.0 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, 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 1.0 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 77.7 million head by more than 1.0 percent. Chances are 9 out of 10 that the difference will not exceed 1.7 percent.

### Reliability of Quarterly 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	Quarters	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
All hogs and pigs .....	1.0	1.7	539	60	1,576	12	8
Pig crop .....	1.7	2.9	392	0	1,158	13	6
Expected farrowings							
Second intentions .....	2.2	3.8	51	4	133	17	3
First intentions .....	2.4	4.1	57	3	149	16	4

## 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 .....	75,086	2019	1988
June 1 .....	75,700	2019	1964
September 1 .....	77,678	2019	1988
December 1 .....	83,741	1943	1866
<b>Market</b>			
March 1 .....	68,738	2019	1988
June 1 .....	69,291	2019	1964
September 1 .....	71,248	2019	1988
December 1 .....	68,590	2018	1963
<b>Pig crop</b>			
December-February <sup>1</sup> .....	33,327	2019	1970
March-May .....	34,177	2019	1970
June-August .....	35,306	2019	1970
September-November .....	34,154	2018	1970
<b>Pigs per litter</b>			
	(number)	(year)	(year)
December-February <sup>1</sup> .....	10.70	2019	1970
March-May .....	11.00	2019	1970
June-August .....	11.11	2019	1970
September-November .....	10.76	2018	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@usda.gov](mailto:nass@usda.gov).

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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 Lanouette – 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

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

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# USDA Data Users' Meeting



## **USDA NASS Data Users' Meeting** **Tuesday, October 15, 2019**

American Farm Bureau Federation  
600 Maryland Ave SW #1000w  
Washington, DC 20024

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 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 and 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 Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@nass.usda.gov](mailto:vernita.murray@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.