



# Quarterly Hogs and Pigs

ISSN: 1949-1921

Released March 26, 2020, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## United States Hog Inventory Up 4 Percent

**United States inventory** of all hogs and pigs on March 1, 2020 was 77.6 million head. This was up 4 percent from March 1, 2019, but down 1 percent from December 1, 2019.

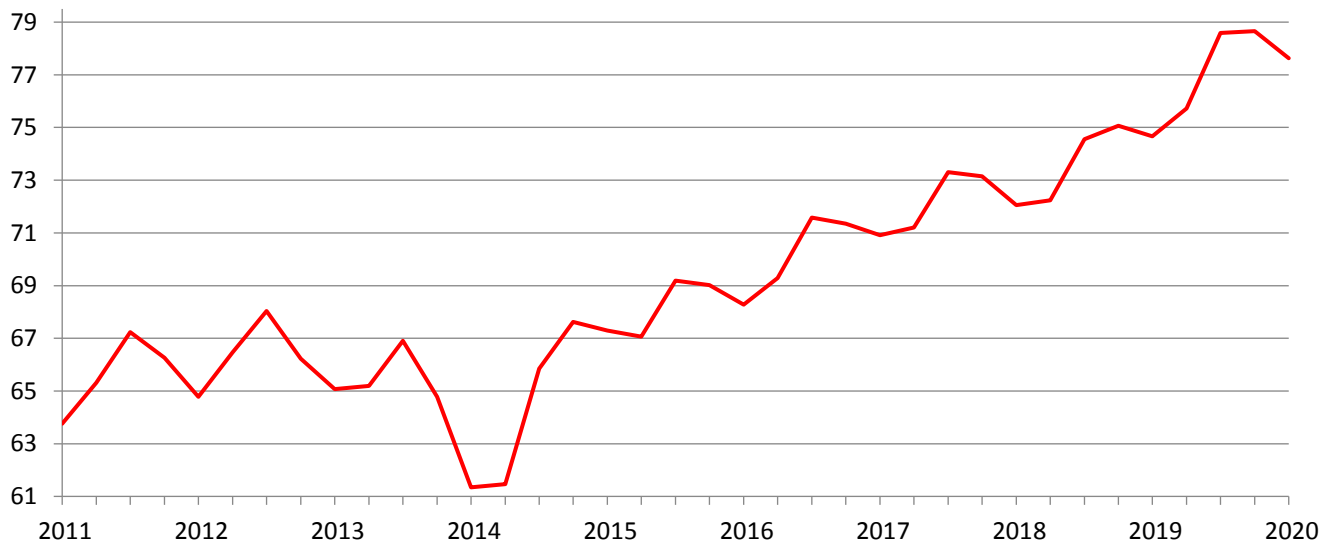
**Breeding inventory**, at 6.38 million head, was up slightly from last year, but down 1 percent from the previous quarter.

**Market hog inventory**, at 71.3 million head, was up 4 percent from last year, but down 1 percent from last quarter.

**The December 2019-February 2020 pig crop**, at 34.7 million head, was up 5 percent from last year. Sows farrowing during this period totaled 3.16 million head, up 2 percent from previous year. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was a record high of 11.00 for the December 2019-February 2020 period, compared to 10.70 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 2020 quarter, down slightly from the actual farrowings during the same period one year earlier, but up 2 percent from the same period two years earlier. Intended farrowings for June-August 2020, at 3.13 million sows, are down 4 percent from the same period one year earlier, and down 1 percent from the same period two years earlier.

The total number of hogs under contract owned by operations with over 5,000 head, but raised by contractees, accounted for 49 percent of the total United States hog inventory, up 2 percent from the previous year.

## Revisions

All inventory and pig crop estimates for March 2019 through December 2019 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the December 2019 all hogs and pigs inventory was 1.7 percent. A revision of 2.6 percent was made to the September-November 2019 pig crop. The net revision made to the September 2019 all hogs and pigs inventory was 1.2 percent. A net revision of 3.0 percent was made to the June-August 2019 pig crop.

## Records

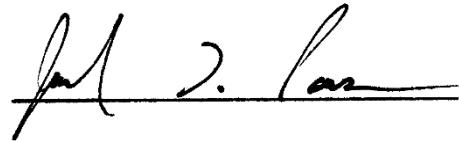
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on March 26, 2020.



Secretary of Agriculture  
Designate  
Robert Johansson



Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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## Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2019 and 2020

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

Item	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory .....			
All hogs and pigs .....	74,661	77,629	104
Kept for breeding .....	6,349	6,375	100
Market .....	68,313	71,254	104
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,373	22,221	104
50-119 pounds .....	19,168	19,853	104
120-179 pounds .....	15,001	15,581	104
180 pounds and over .....	12,771	13,598	106
June 1 inventory .....			
All hogs and pigs .....	75,725		
Kept for breeding .....	6,410		
Market .....	69,316		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	22,210		
50-119 pounds .....	19,693		
120-179 pounds .....	14,396		
180 pounds and over .....	13,017		
September 1 inventory .....			
All hogs and pigs .....	78,583		
Kept for breeding .....	6,431		
Market .....	72,153		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	23,376		
50-119 pounds .....	21,224		
120-179 pounds .....	14,654		
180 pounds and over .....	12,899		
December 1 inventory .....			
All hogs and pigs .....	78,658		
Kept for breeding .....	6,471		
Market .....	72,187		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	22,648		
50-119 pounds .....	20,301		
120-179 pounds .....	15,321		
180 pounds and over .....	13,916		

## Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2018-2020

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

Item	2018	2019	2020	2020 as percent of	
				2018	2019
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Sows farrowing .....					
December-February .....	2,977	3,099	3,158	106	102
March-May <sup>2</sup> .....	3,064	3,133	3,119	102	100
December-May <sup>1 3</sup> .....	6,041	6,233	6,277	104	101
June-August <sup>2</sup> .....	3,172	3,275	3,134	99	96
September-November .....	3,205	3,247			
June-November <sup>1</sup> .....	6,377	6,522			
Pig crop .....			34,734	110	105
December-February .....	31,497	33,163			
March-May .....	32,556	34,454			
December-May <sup>1</sup> .....	64,053	67,617			
June-August .....	34,019	36,369			
September-November .....	34,496	36,007			
June-November <sup>1</sup> .....	68,515	72,377			
	(number)	(number)	(number)	(percent)	(percent)
Pigs per litter .....			11.00	104	103
December-February .....	10.58	10.70			
March-May .....	10.63	11.00			
December-May .....	10.60	10.85			
June-August .....	10.72	11.11			
September-November .....	10.76	11.09			
June-November .....	10.74	11.10			

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

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

<sup>3</sup> Actual farrowings for December 2019-February 2020 plus intentions for March-May 2020.

## Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2019 and 2020

[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>	
	2019	2020	2019	2020	2019	2020
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	1,041	1,080	10.72	10.98	11,153	11,854
January .....	1,037	1,056	10.68	10.95	11,070	11,564
February .....	1,022	1,022	10.71	11.07	10,939	11,316
March .....	1,075		10.85		11,662	
April .....	1,027		11.01		11,310	
May .....	1,032		11.13		11,482	
June .....	1,115		11.02		12,294	
July .....	1,086		11.10		12,048	
August .....	1,074		11.20		12,027	
September .....	1,115		11.00		12,262	
October .....	1,080		11.10		11,989	
November .....	1,052		11.17		11,757	
Total .....	12,755		10.98		139,994	

<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, 2019 and 2020

[May not add due to rounding]

State	Breeding			Market			Total		
	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019	2019	2020	2020 as percent of 2019
	(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	645	585	91	800	740	93
Illinois .....	560	580	104	4,690	4,820	103	5,250	5,400	103
Indiana .....	260	250	96	3,940	3,900	99	4,200	4,150	99
Iowa .....	1,030	980	95	22,670	23,620	104	23,700	24,600	104
Kansas .....	170	180	106	1,880	1,920	102	2,050	2,100	102
Michigan .....	120	120	100	1,110	1,130	102	1,230	1,250	102
Minnesota .....	580	560	97	8,220	8,740	106	8,800	9,300	106
Missouri .....	470	470	100	3,080	3,280	106	3,550	3,750	106
Nebraska .....	450	440	98	3,150	3,360	107	3,600	3,800	106
North Carolina .....	900	870	97	8,100	8,330	103	9,000	9,200	102
Ohio .....	190	200	105	2,460	2,600	106	2,650	2,800	106
Oklahoma .....	450	450	100	1,720	1,810	105	2,170	2,260	104
Pennsylvania .....	120	150	125	1,150	1,210	105	1,270	1,360	107
South Dakota .....	245	285	116	1,595	1,745	109	1,840	2,030	110
Texas .....	150	155	103	940	965	103	1,090	1,120	103
Utah .....	80	80	100	670	870	130	750	950	127
Other States <sup>1</sup> .....	419	450	108	2,293	2,369	103	2,711	2,819	104
United States .....	6,349	6,375	100	68,313	71,254	104	74,661	77,629	104

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

## Market Inventory by Weight Group – States and United States: March 1, 2019 and 2020

[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	
	2019	2020	2019	2020	2019	2020	2019	2020
	(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	290	135	110	105	70	115	115
Illinois .....	1,415	1,370	1,555	1,605	1,000	1,045	720	800
Indiana .....	1,040	980	1,100	1,100	920	950	880	870
Iowa .....	5,510	5,920	7,510	7,530	5,630	5,640	4,020	4,530
Kansas .....	480	460	440	500	395	390	565	570
Michigan .....	330	340	300	305	225	230	255	255
Minnesota .....	2,590	2,830	2,400	2,560	1,890	2,020	1,340	1,330
Missouri .....	1,555	1,520	560	670	505	595	460	495
Nebraska .....	1,060	1,140	880	905	690	710	520	605
North Carolina .....	3,190	3,210	1,700	1,810	1,590	1,700	1,620	1,610
Ohio .....	720	750	640	690	520	580	580	580
Oklahoma .....	800	830	360	365	210	250	350	365
Pennsylvania .....	315	340	325	355	245	250	265	265
South Dakota .....	590	695	390	395	320	345	295	310
Texas .....	275	280	260	275	180	185	225	225
Utah .....	295	325	120	180	130	180	125	185
Other States <sup>1</sup> .....	918	941	493	498	446	441	436	488
United States .....	21,373	22,221	19,168	19,853	15,001	15,581	12,771	13,598

<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	4,730	4,760	101	5,300	5,350	101
Indiana .....	250	260	104	3,700	4,040	109	3,950	4,300	109
Iowa .....	1,040	1,000	96	21,460	22,900	107	22,500	23,900	106
Kansas .....	165	175	106	1,865	1,845	99	2,030	2,020	100
Michigan .....	120	120	100	1,070	1,130	106	1,190	1,250	105
Minnesota .....	580	570	98	7,820	8,230	105	8,400	8,800	105
Missouri .....	460	480	104	3,040	3,170	104	3,500	3,650	104
Nebraska .....	430	460	107	3,070	3,290	107	3,500	3,750	107
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	2,356	2,376	101	2,761	2,805	102
United States .....	6,320	6,410	101	65,911	69,316	105	72,231	75,725	105

<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 .....	1,525	1,465	1,435	1,530	930	945	840	820
Indiana .....	935	1,090	1,150	1,180	780	840	835	930
Iowa .....	5,510	5,920	7,030	7,520	5,200	5,430	3,720	4,030
Kansas .....	410	460	515	490	375	385	565	510
Michigan .....	300	320	290	320	220	230	260	260
Minnesota .....	2,560	2,630	2,380	2,590	1,760	1,730	1,120	1,280
Missouri .....	1,500	1,590	590	530	475	525	475	525
Nebraska .....	1,050	1,135	840	875	600	630	580	650
North Carolina .....	3,360	3,370	1,840	1,830	1,440	1,500	1,350	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> .....	891	910	526	513	453	461	485	492
United States .....	21,081	22,210	18,846	19,693	13,898	14,396	12,085	13,017

<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	630	101	780	790	101
Illinois .....	570	590	104	4,880	4,910	101	5,450	5,500	101
Indiana .....	250	250	100	3,950	4,150	105	4,200	4,400	105
Iowa .....	1,040	1,010	97	22,460	23,990	107	23,500	25,000	106
Kansas .....	170	175	103	1,860	1,915	103	2,030	2,090	103
Michigan .....	120	120	100	1,100	1,120	102	1,220	1,240	102
Minnesota .....	580	580	100	7,920	8,620	109	8,500	9,200	108
Missouri .....	465	490	105	3,285	3,160	96	3,750	3,650	97
Nebraska .....	430	450	105	3,020	3,350	111	3,450	3,800	110
North Carolina .....	910	900	99	8,390	8,700	104	9,300	9,600	103
Ohio .....	190	200	105	2,360	2,600	110	2,550	2,800	110
Oklahoma .....	460	460	100	1,820	1,790	98	2,280	2,250	99
Pennsylvania .....	120	120	100	1,190	1,140	96	1,310	1,260	96
South Dakota .....	245	265	108	1,475	1,735	118	1,720	2,000	116
Texas .....	145	155	107	985	1,045	106	1,130	1,200	106
Utah .....	80	80	100	525	880	168	605	960	159
Other States <sup>1</sup> .....	400	426	106	2,381	2,418	102	2,781	2,843	102
United States .....	6,330	6,431	102	68,226	72,153	106	74,556	78,583	105

<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	305	150	130	95	95	75	100
Illinois .....	1,570	1,510	1,580	1,650	890	900	840	850
Indiana .....	990	1,110	1,240	1,230	870	860	850	950
Iowa .....	5,875	6,360	7,675	8,010	5,210	5,520	3,700	4,100
Kansas .....	445	490	530	510	385	375	500	540
Michigan .....	330	310	290	310	220	225	260	275
Minnesota .....	2,695	2,950	2,455	2,850	1,700	1,710	1,070	1,110
Missouri .....	1,605	1,530	640	590	530	545	510	495
Nebraska .....	1,010	1,190	865	890	570	670	575	600
North Carolina .....	3,450	3,440	2,000	2,140	1,520	1,580	1,420	1,540
Ohio .....	650	780	640	690	500	540	570	590
Oklahoma .....	845	805	385	465	230	225	360	295
Pennsylvania .....	325	315	340	330	270	265	255	230
South Dakota .....	520	655	405	450	275	305	275	325
Texas .....	310	345	275	290	150	185	250	225
Utah .....	220	355	105	175	105	175	95	175
Other States <sup>1</sup> .....	895	926	524	514	466	479	495	499
United States .....	22,040	23,376	20,099	21,224	13,986	14,654	12,100	12,899

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



## Breeding, Market, and Total Inventory – States and United States: December 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	595	605	102	750	760	101
Illinois .....	560	590	105	4,840	4,860	100	5,400	5,450	101
Indiana .....	260	250	96	3,990	4,200	105	4,250	4,450	105
Iowa .....	1,020	1,010	99	22,580	23,990	106	23,600	25,000	106
Kansas .....	170	180	106	1,880	1,980	105	2,050	2,160	105
Michigan .....	120	120	100	1,060	1,120	106	1,180	1,240	105
Minnesota .....	570	570	100	8,530	8,830	104	9,100	9,400	103
Missouri .....	470	490	104	3,180	2,860	90	3,650	3,350	92
Nebraska .....	440	440	100	3,110	3,410	110	3,550	3,850	108
North Carolina .....	900	900	100	8,300	8,500	102	9,200	9,400	102
Ohio .....	200	210	105	2,350	2,740	117	2,550	2,950	116
Oklahoma .....	445	450	101	1,755	1,840	105	2,200	2,290	104
Pennsylvania .....	120	140	117	1,190	1,190	100	1,310	1,330	102
South Dakota .....	255	280	110	1,495	1,730	116	1,750	2,010	115
Texas .....	150	155	103	960	985	103	1,110	1,140	103
Utah .....	80	80	100	630	880	140	710	960	135
Other States <sup>1</sup> .....	411	451	110	2,300	2,467	107	2,710	2,918	108
United States .....	6,326	6,471	102	68,745	72,187	105	75,070	78,658	105

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

## Market Inventory by Weight Group – States and United States: December 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 .....	270	280	125	130	85	100	115	95
Illinois .....	1,555	1,485	1,525	1,580	910	975	850	820
Indiana .....	1,035	1,130	1,225	1,170	820	930	910	970
Iowa .....	5,650	6,040	7,450	7,620	5,260	5,750	4,220	4,580
Kansas .....	455	475	515	475	380	420	530	610
Michigan .....	320	340	280	310	210	220	250	250
Minnesota .....	2,880	2,850	2,510	2,670	1,830	1,860	1,310	1,450
Missouri .....	1,625	1,270	575	570	510	540	470	480
Nebraska .....	1,065	1,200	805	875	610	650	630	685
North Carolina .....	3,290	3,400	1,780	1,930	1,600	1,610	1,630	1,560
Ohio .....	670	840	610	760	520	550	550	590
Oklahoma .....	755	780	390	485	280	260	330	315
Pennsylvania .....	335	305	335	340	265	275	255	270
South Dakota .....	575	680	365	400	285	330	270	320
Texas .....	270	300	260	275	170	170	260	240
Utah .....	240	320	125	185	135	185	130	190
Other States <sup>1</sup> .....	868	953	494	526	453	496	485	491
United States .....	21,858	22,648	19,369	20,301	14,323	15,321	13,195	13,916

<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 2019 and 2020

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

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2020 as percent of 2019	2019	2020	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	78	72	92	9.20	10.30	718	742	103
Illinois .....	270	290	107	10.65	10.95	2,876	3,176	110
Indiana .....	125	120	96	10.20	10.60	1,275	1,272	100
Iowa .....	530	520	98	11.20	11.25	5,936	5,850	99
Kansas .....	86	87	101	10.60	10.40	912	905	99
Michigan .....	56	57	102	10.90	11.10	610	633	104
Minnesota .....	300	300	100	11.60	11.85	3,480	3,555	102
Missouri .....	245	250	102	10.55	11.00	2,585	2,750	106
Nebraska .....	185	190	103	11.55	11.60	2,137	2,204	103
North Carolina .....	455	450	99	9.90	10.50	4,505	4,725	105
Ohio .....	93	100	108	10.70	11.00	995	1,100	111
Oklahoma .....	205	210	102	10.65	10.40	2,183	2,184	100
Pennsylvania .....	55	53	96	10.80	11.00	594	583	98
South Dakota .....	119	141	118	11.85	12.10	1,410	1,706	121
Texas .....	66	69	105	10.20	10.35	673	714	106
Utah .....	40	40	100	9.20	11.00	368	440	120
Other States <sup>2</sup> .....	191	209	109	9.96	10.49	1,906	2,195	115
United States .....	3,099	3,158	102	10.70	11.00	33,163	34,734	105

<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 2018-2020

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2018	2019	2020 <sup>3</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 .....	75	78	74	95	9.60	10.70	720	835	116
Illinois .....	275	275	280	102	10.70	10.75	2,943	2,956	100
Indiana .....	110	120	120	100	10.30	10.70	1,133	1,284	113
Iowa .....	550	530	510	96	11.10	11.45	6,105	6,069	99
Kansas .....	76	86	91	106	10.10	10.70	768	920	120
Michigan .....	52	54	58	107	10.90	11.00	567	594	105
Minnesota .....	305	295	275	93	11.20	11.85	3,416	3,496	102
Missouri .....	240	242	250	103	10.20	10.65	2,448	2,577	105
Nebraska .....	190	200	190	95	11.30	11.50	2,147	2,300	107
North Carolina .....	455	460	450	98	10.10	10.50	4,596	4,830	105
Ohio .....	88	98	103	105	11.00	11.20	968	1,098	113
Oklahoma .....	205	215	205	95	10.70	10.55	2,194	2,268	103
Pennsylvania .....	50	54	53	98	10.50	11.10	525	599	114
South Dakota .....	110	123	140	114	11.70	11.95	1,287	1,470	114
Texas .....	64	66	69	105	9.80	10.50	627	693	111
Utah .....	34	43	41	95	7.60	10.70	258	460	178
Other States <sup>2</sup> .....	185	194	210	108	10.04	10.32	1,854	2,005	108
United States .....	3,064	3,133	3,119	100	10.63	11.00	32,556	34,454	106

<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.

<sup>3</sup> Intentions.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2018-2020

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2018	2019	2020 <sup>3</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 .....	79	79	74	94	9.50	10.70	751	845	113
Illinois .....	265	290	280	97	10.65	10.95	2,822	3,176	113
Indiana .....	125	120	130	108	10.50	11.00	1,313	1,320	101
Iowa .....	575	550	510	93	11.20	11.35	6,440	6,243	97
Kansas .....	87	90	91	101	10.90	10.90	948	981	103
Michigan .....	57	55	54	98	10.80	11.10	616	611	99
Minnesota .....	300	300	270	90	11.15	11.95	3,345	3,585	107
Missouri .....	255	260	255	98	10.45	11.10	2,665	2,886	108
Nebraska .....	185	194	190	98	11.30	11.65	2,091	2,260	108
North Carolina .....	485	500	450	90	10.30	10.50	4,996	5,250	105
Ohio .....	89	102	100	98	10.90	11.30	970	1,153	119
Oklahoma .....	210	230	210	91	10.65	10.90	2,237	2,507	112
Pennsylvania .....	51	51	51	100	10.70	11.30	546	576	105
South Dakota .....	117	129	139	108	11.10	11.85	1,299	1,529	118
Texas .....	68	71	70	99	10.10	10.90	687	774	113
Utah .....	39	44	41	93	11.00	11.00	429	484	113
Other States <sup>2</sup> .....	185	210	219	105	10.05	10.44	1,864	2,189	117
United States .....	3,172	3,275	3,134	96	10.72	11.11	34,019	36,369	107

<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.

<sup>3</sup> Intentions.

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 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 .....	75	76	101	9.60	10.60	720	806	112
Illinois .....	280	285	102	10.65	10.95	2,982	3,121	105
Indiana .....	130	125	96	10.60	10.50	1,378	1,313	95
Iowa .....	570	540	95	11.20	11.35	6,384	6,129	96
Kansas .....	85	92	108	10.90	10.75	927	989	107
Michigan .....	54	56	104	10.50	10.85	567	608	107
Minnesota .....	310	305	98	11.40	11.85	3,534	3,614	102
Missouri .....	255	260	102	10.60	11.10	2,703	2,886	107
Nebraska .....	195	195	100	11.45	11.70	2,233	2,282	102
North Carolina .....	475	470	99	10.15	10.55	4,821	4,959	103
Ohio .....	99	104	105	10.60	11.40	1,049	1,186	113
Oklahoma .....	205	220	107	10.60	10.85	2,173	2,387	110
Pennsylvania .....	52	57	110	11.00	11.20	572	638	112
South Dakota .....	127	139	109	11.65	12.00	1,480	1,668	113
Texas .....	67	69	103	10.40	10.40	697	718	103
Utah .....	37	41	111	10.00	11.50	370	472	128
Other States <sup>2</sup> .....	189	213	113	10.15	10.47	1,906	2,231	117
United States .....	3,205	3,247	101	10.76	11.09	34,496	36,007	104

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

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

## Statistical Methodology

**Survey Procedures:** A random sample of roughly 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 2020, data were collected from about 3,600 operations, 70.1 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, 2020.

**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 77.6 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 20 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	630	60	1,365	12	8
Pig crop .....	1.7	2.9	460	13	1,063	13	7
Expected farrowings							
Second intentions .....	2.2	3.8	53	2	129	16	4
First intentions .....	2.3	4.0	58	8	145	15	5

## 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 .....	77,629	2020	1988
June 1 .....	75,725	2019	1964
September 1 .....	78,583	2019	1988
December 1 .....	83,741	1943	1866
<b>Market</b>			
March 1 .....	71,254	2020	1988
June 1 .....	69,316	2019	1964
September 1 .....	72,153	2019	1988
December 1 .....	72,187	2019	1963
<b>Pig crop</b>			
December-February <sup>1</sup> .....	34,734	2020	1970
March-May .....	34,454	2019	1970
June-August .....	36,369	2019	1970
September-November .....	36,007	2019	1970
	(number)	(year)	(year)
<b>Pigs per litter</b>			
December-February <sup>1</sup> .....	11.00	2020	1970
March-May .....	11.00	2019	1970
June-August .....	11.11	2019	1970
September-November .....	11.09	2019	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).

Travis Averill, Chief, Livestock Branch .....	(202) 692-0069
Scott Hollis, Head, Livestock Section .....	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Holly Brenize – Sheep and Goats .....	(202) 720-0585
Heidi Lanouette – Cattle, Cattle on Feed .....	(202) 720-3040
Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Suzanne Richards – Dairy Products .....	(202) 720-4448
Seth Riggins – Hogs and Pigs .....	(202) 720-3106

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- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
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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 NASS Data Users' Meeting**

**Virtual Meeting  
Tuesday, April 21, 2020**

USDA's National Agricultural Statistics Service will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2020 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@usda.gov](mailto:vernita.murray@usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@usda.gov](mailto:patricia.snipe@usda.gov) for information.