



Quarterly Hogs and Pigs

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Special Note

NASS is not changing any process or methodology in the Hogs and Pigs report. However, to aid data users, we are providing definitions for items in this report and some questions and answers pertaining to hogs and pigs estimates. This information can be found at: https://www.nass.usda.gov/Education_and_Outreach/Understanding_Statistics/Hogs-and-Pigs-Inclusions.pdf

United States Hog Inventory Up 5 Percent

United States inventory of all hogs and pigs on June 1, 2020 was 79.6 million head. This was up 5 percent from June 1, 2019, and up 3 percent from March 1, 2020.

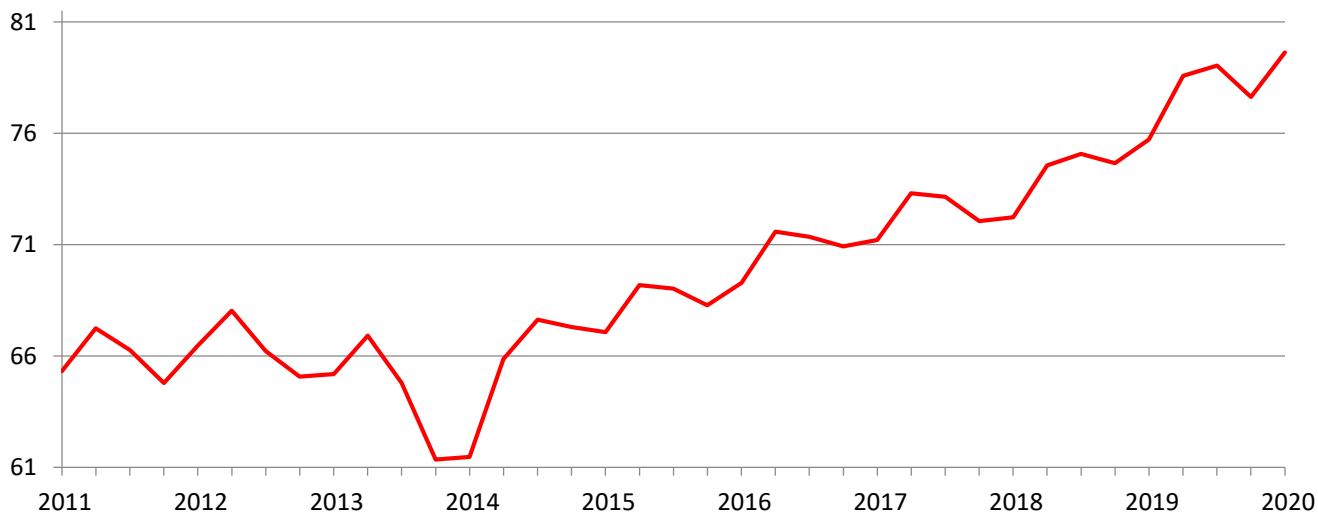
Breeding inventory, at 6.33 million head, was down 1 percent from last year, and down 1 percent from the previous quarter.

Market hog inventory, at 73.3 million head, was up 6 percent from last year, and up 3 percent from last quarter.

The March-May 2020 pig crop, at 34.9 million head, was up 1 percent from 2019. Sows farrowing during this period totaled 3.17 million head, up 1 percent from 2019. The sows farrowed during this quarter represented 50 percent of the breeding herd. The average pigs saved per litter was a record high of 11.01 for the March-May period, compared to 11.00 last year.

Quarterly Hogs and Pigs Inventory - United States: June 1

Million Head



United States hog producers intend to have 3.12 million sows farrow during the June-August 2020 quarter, down 5 percent from the actual farrowings during the same period one year earlier, and down 2 percent from the same period two years earlier. Intended farrowings for September-November 2020, at 3.09 million sows, are down 5 percent from the same period one year earlier, and down 4 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.

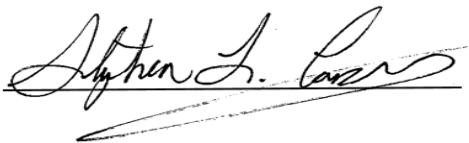
Revisions

All inventory and pig crop estimates for June 2019 through March 2020 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The net revision made to the December 2019 all hogs and pigs inventory was 2.2 percent. A net revision of 3.1 percent was made to the September-November 2019 pig crop.

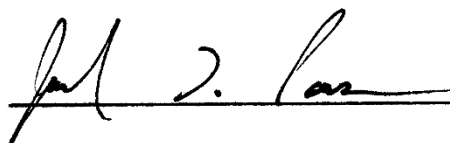
Records

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

This report was approved on June 25, 2020.



Secretary of Agriculture
Designate
Stephen L. Censky



Agricultural Statistics Board
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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	15,386	103
180 pounds and over	12,771	13,793	108
June 1 inventory			
All hogs and pigs	75,725	79,634	105
Kept for breeding	6,410	6,326	99
Market	69,316	73,308	106
Market hogs and pigs by weight groups			
Under 50 pounds	22,210	22,160	100
50-119 pounds	19,693	20,370	103
120-179 pounds	14,396	16,090	112
180 pounds and over	13,017	14,687	113
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	79,048		
Kept for breeding	6,471		
Market	72,577		
Market hogs and pigs by weight groups			
Under 50 pounds	22,648		
50-119 pounds	20,691		
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	3,064	3,133	3,172	104	101
December-May ¹	6,041	6,233	6,330	105	102
June-August ²	3,172	3,275	3,123	98	95
September-November ²	3,205	3,265	3,090	96	95
June-November ^{1 2}	6,377	6,540	6,213	97	95
Pig crop					
December-February	31,497	33,163	34,734	110	105
March-May	32,556	34,454	34,933	107	101
December-May ¹	64,053	67,617	69,668	109	103
June-August	34,019	36,369			
September-November	34,496	36,205			
June-November ¹	68,515	72,575			
	(number)	(number)	(number)	(percent)	(percent)
Pigs per litter					
December-February	10.58	10.70	11.00	104	103
March-May	10.63	11.00	11.01	104	100
December-May	10.60	10.85	11.01	104	101
June-August	10.72	11.11			
September-November	10.76	11.09			
June-November	10.74	11.10			

¹ May not add due to rounding.

² Intentions for 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 ¹		Pigs per litter		Pig crop ¹	
	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	1,051	10.68	11.00	11,070	11,564
February	1,022	1,027	10.71	11.01	10,939	11,316
March	1,075	1,070	10.85	10.96	11,662	11,733
April	1,027	1,056	11.01	11.03	11,310	11,653
May	1,032	1,045	11.13	11.05	11,482	11,548
June	1,115		11.02		12,294	
July	1,086		11.10		12,048	
August	1,074		11.20		12,027	
September	1,121		11.00		12,329	
October	1,086		11.10		12,055	
November	1,058		11.17		11,821	
Total	12,773		10.98		140,192	

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, 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 ¹	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

¹ 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	5,540	4,020	4,630
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	1,920	1,340	1,430
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 ¹	918	941	493	498	446	446	436	483
United States	21,373	22,221	19,168	19,853	15,001	15,386	12,771	13,793

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

Breeding, Market, and Total Inventory – States and United States: June 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	160	155	97	620	575	93	780	730	94
Illinois	590	570	97	4,760	4,930	104	5,350	5,500	103
Indiana	260	250	96	4,040	4,300	106	4,300	4,550	106
Iowa	1,000	960	96	22,900	24,240	106	23,900	25,200	105
Kansas	175	180	103	1,845	2,020	109	2,020	2,200	109
Michigan	120	120	100	1,130	1,070	95	1,250	1,190	95
Minnesota	570	550	96	8,230	9,050	110	8,800	9,600	109
Missouri	480	475	99	3,170	3,425	108	3,650	3,900	107
Nebraska	460	440	96	3,290	3,410	104	3,750	3,850	103
North Carolina	900	880	98	8,300	8,520	103	9,200	9,400	102
Ohio	200	210	105	2,550	2,690	105	2,750	2,900	105
Oklahoma	445	460	103	1,715	1,720	100	2,160	2,180	101
Pennsylvania	120	150	125	1,100	1,270	115	1,220	1,420	116
South Dakota	265	280	106	1,605	1,790	112	1,870	2,070	111
Texas	155	130	84	935	920	98	1,090	1,050	96
Utah	80	80	100	750	910	121	830	990	119
Other States ¹	430	436	102	2,376	2,468	104	2,805	2,904	104
United States	6,410	6,326	99	69,316	73,308	106	75,725	79,634	105

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

Market Inventory by Weight Group – States and United States: June 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	295	280	130	105	100	80	95	110
Illinois	1,465	1,410	1,530	1,575	945	1,085	820	860
Indiana	1,090	1,010	1,180	1,330	840	970	930	990
Iowa	5,920	5,790	7,520	7,670	5,430	5,900	4,030	4,880
Kansas	460	510	490	485	385	400	510	625
Michigan	320	310	320	300	230	220	260	240
Minnesota	2,630	2,800	2,590	2,590	1,730	2,000	1,280	1,660
Missouri	1,590	1,700	530	575	525	640	525	510
Nebraska	1,135	1,160	875	885	630	710	650	655
North Carolina	3,370	3,100	1,830	1,940	1,500	1,770	1,600	1,710
Ohio	730	720	660	700	590	620	570	650
Oklahoma	800	770	365	380	220	230	330	340
Pennsylvania	305	380	345	385	235	270	215	235
South Dakota	580	725	430	425	290	345	305	295
Texas	285	220	235	295	145	185	270	220
Utah	325	365	150	180	140	180	135	185
Other States ¹	910	910	513	550	461	485	492	522
United States	22,210	22,160	19,693	20,370	14,396	16,090	13,017	14,687

¹ 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 ¹	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

¹ 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 ¹	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

¹ 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	4,910	101	5,400	5,500	102
Indiana	260	250	96	3,990	4,200	105	4,250	4,450	105
Iowa	1,020	1,010	99	22,580	24,090	107	23,600	25,100	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	8,930	105	9,100	9,500	104
Missouri	470	490	104	3,180	2,910	92	3,650	3,400	93
Nebraska	440	440	100	3,110	3,410	110	3,550	3,850	108
North Carolina	900	900	100	8,300	8,600	104	9,200	9,500	103
Ohio	200	210	105	2,350	2,740	117	2,550	2,950	116
Oklahoma	445	450	101	1,755	1,830	104	2,200	2,280	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 ¹	411	451	110	2,300	2,467	107	2,710	2,918	108
United States	6,326	6,471	102	68,745	72,577	106	75,070	79,048	105

¹ 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	1,630	910	975	850	820
Indiana	1,035	1,130	1,225	1,170	820	930	910	970
Iowa	5,650	6,040	7,450	7,720	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	2,770	1,830	1,860	1,310	1,450
Missouri	1,625	1,270	575	620	510	540	470	480
Nebraska	1,065	1,200	805	875	610	650	630	685
North Carolina	3,290	3,400	1,780	2,030	1,600	1,610	1,630	1,560
Ohio	670	840	610	760	520	550	550	590
Oklahoma	755	780	390	475	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 ¹	868	953	494	526	453	496	485	491
United States	21,858	22,648	19,369	20,691	14,323	15,321	13,195	13,916

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 2019 and 2020

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

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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 ²	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

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 2019 and 2020

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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	74	95	10.70	10.10	835	747	89
Illinois	275	275	100	10.75	10.80	2,956	2,970	100
Indiana	120	125	104	10.70	10.60	1,284	1,325	103
Iowa	530	510	96	11.45	11.40	6,069	5,814	96
Kansas	86	89	103	10.70	10.70	920	952	103
Michigan	54	54	100	11.00	10.60	594	572	96
Minnesota	295	300	102	11.85	11.70	3,496	3,510	100
Missouri	242	255	105	10.65	11.00	2,577	2,805	109
Nebraska	200	200	100	11.50	11.10	2,300	2,220	97
North Carolina	460	460	100	10.50	10.60	4,830	4,876	101
Ohio	98	98	100	11.20	11.10	1,098	1,088	99
Oklahoma	215	215	100	10.55	10.80	2,268	2,322	102
Pennsylvania	54	57	106	11.10	11.10	599	633	106
South Dakota	123	140	114	11.95	12.30	1,470	1,722	117
Texas	66	68	103	10.50	11.00	693	748	108
Utah	43	43	100	10.70	10.80	460	464	101
Other States ²	194	209	107	10.32	10.37	2,005	2,165	108
United States	3,133	3,172	101	11.00	11.01	34,454	34,933	101

¹ Number of pigs born March-May that were still on hand June 1, or had been sold.

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

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

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2018	2019	2020 ²	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	72	91	9.50	10.70	751	845	113
Illinois	265	290	275	95	10.65	10.95	2,822	3,176	113
Indiana	125	120	125	104	10.50	11.00	1,313	1,320	101
Iowa	575	550	520	95	11.20	11.35	6,440	6,243	97
Kansas	87	90	86	96	10.90	10.90	948	981	103
Michigan	57	55	56	102	10.80	11.10	616	611	99
Minnesota	300	300	280	93	11.15	11.95	3,345	3,585	107
Missouri	255	260	245	94	10.45	11.10	2,665	2,886	108
Nebraska	185	194	185	95	11.30	11.65	2,091	2,260	108
North Carolina	485	500	460	92	10.30	10.50	4,996	5,250	105
Ohio	89	102	106	104	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	57	112	10.70	11.30	546	576	105
South Dakota	117	129	137	106	11.10	11.85	1,299	1,529	118
Texas	68	71	61	86	10.10	10.90	687	774	113
Utah	39	44	41	93	11.00	11.00	429	484	113
Other States ³	185	210	207	99	10.05	10.44	1,864	2,189	117
United States	3,172	3,275	3,123	95	10.72	11.11	34,019	36,369	107

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 2018-2020

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2018	2019	2020 ²	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	76	74	97	9.60	10.60	720	806	112
Illinois	280	285	265	93	10.65	10.95	2,982	3,121	105
Indiana	130	125	120	96	10.60	10.50	1,378	1,313	95
Iowa	570	540	510	94	11.20	11.35	6,384	6,129	96
Kansas	85	92	90	98	10.90	10.75	927	989	107
Michigan	54	56	53	95	10.50	10.85	567	608	107
Minnesota	310	310	265	85	11.40	11.85	3,534	3,674	104
Missouri	255	265	255	96	10.60	11.10	2,703	2,942	109
Nebraska	195	195	185	95	11.45	11.70	2,233	2,282	102
North Carolina	475	480	455	95	10.15	10.55	4,821	5,064	105
Ohio	99	104	100	96	10.60	11.40	1,049	1,186	113
Oklahoma	205	220	210	95	10.60	10.85	2,173	2,387	110
Pennsylvania	52	57	57	100	11.00	11.20	572	638	112
South Dakota	127	138	138	100	11.65	12.00	1,480	1,656	112
Texas	67	68	65	96	10.40	10.40	697	707	101
Utah	37	41	41	100	10.00	11.50	370	472	128
Other States ³	189	213	207	97	10.09	10.47	1,906	2,231	117
United States	3,205	3,265	3,090	95	10.76	11.09	34,496	36,205	105

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

² Intentions.

³ Individual State estimates not available for the 34 Other States.

Statistical Methodology

Survey Procedures: A random sample of roughly 5,000 United States producers was surveyed to provide data for these estimates. Survey procedures ensured that all hog and pig producers, regardless of size, had a chance to be included in the survey. Large operations were sampled more heavily than small operations. During the first half of June 2020, data were collected from about 3,400 operations, 67.7 percent of the total sample. The data collected were received by electronic data reporting, mail, and telephone. Regardless of when operations responded, they were asked to report inventories as of June 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 79.6 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	581	0	1,710	11	8
Pig crop	1.7	2.9	427	0	1,104	12	7
Expected farrowings							
Second intentions	2.2	3.8	54	2	129	16	4
First intentions	2.4	4.1	60	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)
All hogs and pigs			
March 1	77,629	2020	1988
June 1	79,634	2020	1964
September 1	78,583	2019	1988
December 1	83,741	1943	1866
Market			
March 1	71,254	2020	1988
June 1	73,308	2020	1964
September 1	72,153	2019	1988
December 1	72,577	2019	1963
Pig crop			
December-February ¹	34,734	2020	1970
March-May	34,933	2020	1970
June-August	36,369	2019	1970
September-November	36,205	2019	1970
Pigs per litter			
	(number)	(year)	(year)
December-February ¹	11.00	2020	1970
March-May	11.01	2020	1970
June-August	11.11	2019	1970
September-November	11.09	2019	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@usda.gov.

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- 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@usda.gov.

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