



Quarterly Hogs and Pigs

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United States Hog Inventory Down 4 Percent

United States inventory of all hogs and pigs on September 1, 2021 was 75.4 million head. This was down 4 percent from September 1, 2020, but up 1 percent from June 1, 2021.

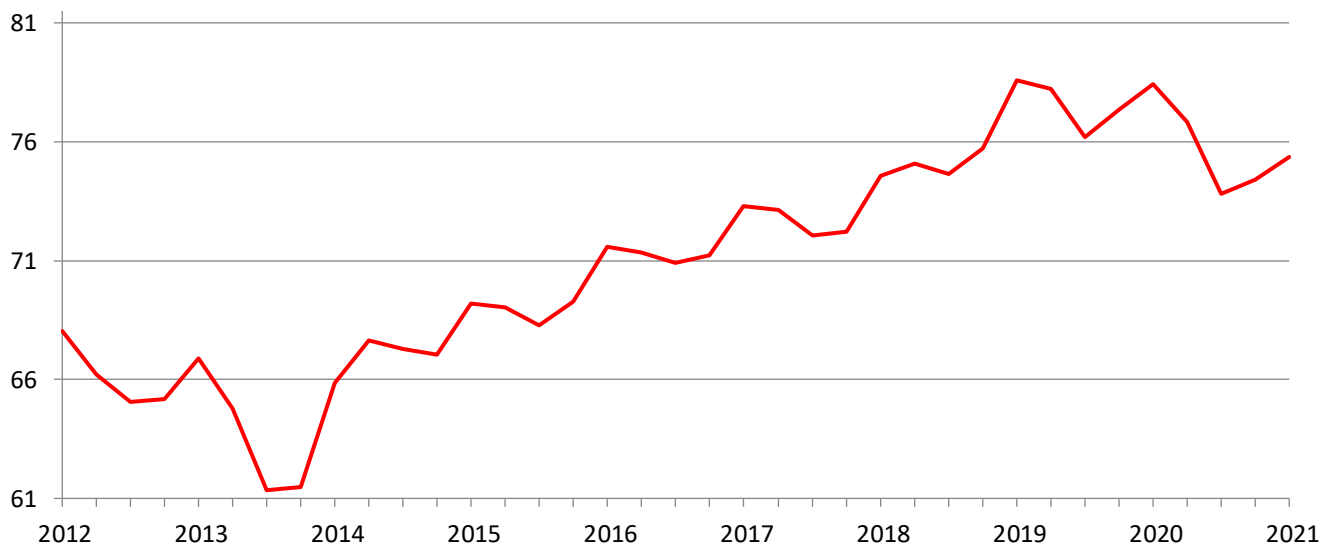
Breeding inventory, at 6.19 million head, was down 2 percent from last year, and down slightly from the previous quarter.

Market hog inventory, at 69.2 million head, was down 4 percent from last year, but up 1 percent from last quarter.

The June-August 2021 pig crop, at 33.9 million head, was down 6 percent from 2020. Sows farrowing during this period totaled 3.05 million head, down 7 percent from 2020. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was 11.13 for the June-August period, compared to 11.06 last year.

Quarterly Hogs and Pigs Inventory - United States: September 1

Million head



United States hog producers intend to have 3.00 million sows farrow during the September-November 2021 quarter, down 4 percent from the actual farrowings during the same period one year earlier, and down 6 percent from the same period two years earlier. Intended farrowings for December 2021-February 2022, at 2.96 million sows, are up 1 percent from the same period one year earlier, but down 3 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 September 2020 through June 2021 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the June 2021 all hogs and pigs inventory was 1.7 percent. The net revision made to the March 2021 all hogs and pigs inventory was 1.3 percent. A net revision of 3.9 percent was made to the December 2020-February 2021 pig crop. The net revision made to the December 2020 all hogs and pigs inventory was 0.9 percent. A net revision of 1.0 percent was made to the September 2020-November 2020 pig crop.

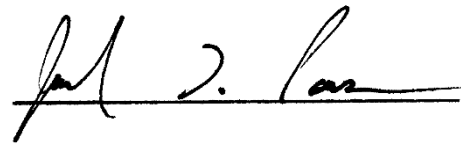
Records

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 September 24, 2021.



Secretary of Agriculture
Designate
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Agricultural Statistics Board
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Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2020 and 2021

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

Item	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory			
All hogs and pigs	76,179	73,823	97
Kept for breeding	6,375	6,215	97
Market	69,804	67,608	97
Market hogs and pigs by weight groups			
Under 50 pounds	21,571	20,178	94
50-119 pounds	19,353	19,138	99
120-179 pounds	15,086	14,775	98
180 pounds and over	13,793	13,516	98
June 1 inventory			
All hogs and pigs	77,364	74,403	96
Kept for breeding	6,326	6,220	98
Market	71,038	68,183	96
Market hogs and pigs by weight groups			
Under 50 pounds	22,110	21,474	97
50-119 pounds	19,890	19,349	97
120-179 pounds	15,240	14,370	94
180 pounds and over	13,797	12,989	94
September 1 inventory			
All hogs and pigs	78,434	75,352	96
Kept for breeding	6,333	6,190	98
Market	72,101	69,162	96
Market hogs and pigs by weight groups			
Under 50 pounds	23,144	21,855	94
50-119 pounds	21,020	19,751	94
120-179 pounds	14,867	14,656	99
180 pounds and over	13,069	12,899	99
December 1 inventory			
All hogs and pigs	76,822		
Kept for breeding	6,176		
Market	70,646		
Market hogs and pigs by weight groups			
Under 50 pounds	21,499		
50-119 pounds	20,110		
120-179 pounds	15,346		
180 pounds and over	13,690		

Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2019-2022

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

Item	2019	2020	2021	2022	2021 as percent of		2022 as percent of 2021
					2019	2020	
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)	(percent)
Sows farrowing							
December-February ²	3,098	3,068	2,922	2,962	94	95	101
March-May	3,132	3,149	3,067		98	97	
December-May ¹	6,231	6,217	5,989		96	96	
June-August	3,274	3,260	3,046		93	93	
September-November ³	3,197	3,132	3,000		94	96	
June-November ^{1 4}	6,471	6,392	6,046		93	95	
Pig crop							
December-February	33,164	33,745	31,978		96	95	
March-May	34,455	34,644	33,584		97	97	
December-May ¹	67,619	68,389	65,563		97	96	
June-August	36,370	36,056	33,900		93	94	
September-November	35,459	34,614					
June-November ¹	71,829	70,671					
	(number)	(number)	(number)	(number)	(percent)	(percent)	(percent)
Pigs per litter							
December-February	10.70	11.00	10.94		102	99	
March-May	11.00	11.00	10.95		100	100	
December-May	10.85	11.00	10.95		101	100	
June-August	11.11	11.06	11.13		100	101	
September-November	11.09	11.05					
June-November	11.10	11.06					

¹ May not add due to rounding.

² Intentions for 2022.

³ Intentions for 2021.

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

Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2020 and 2021

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

Month	Sows farrowing ¹		Pigs per litter		Pig crop ¹	
	2020	2021	2020	2021	2020	2021
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December	1,049	996	10.98	10.84	11,517	10,792
January	1,026	980	10.95	10.89	11,235	10,674
February	993	946	11.07	11.11	10,994	10,511
March	1,085	1,056	10.72	10.71	11,636	11,305
April	1,039	1,010	11.13	11.01	11,556	11,120
May	1,025	1,000	11.17	11.16	11,452	11,160
June	1,100	1,030	10.94	11.02	12,038	11,351
July	1,086	1,014	11.05	11.15	11,999	11,310
August	1,074	1,001	11.19	11.23	12,020	11,239
September	1,074		10.89		11,699	
October	1,034		11.07		11,443	
November	1,024		11.21		11,473	
Total	12,609		11.03		139,059	

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, 2020 and 2021

[May not add due to rounding]

State	Breeding			Market			Total		
	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	155	150	97	555	510	92	710	660	93
Illinois	580	580	100	4,570	4,570	100	5,150	5,150	100
Indiana	250	260	104	3,750	3,990	106	4,000	4,250	106
Iowa	980	940	96	23,420	22,660	97	24,400	23,600	97
Kansas	180	170	94	1,910	1,820	95	2,090	1,990	95
Michigan	120	120	100	1,120	1,180	105	1,240	1,300	105
Minnesota	560	530	95	8,440	8,170	97	9,000	8,700	97
Missouri	470	430	91	3,130	2,970	95	3,600	3,400	94
Nebraska	440	440	100	3,310	3,160	95	3,750	3,600	96
North Carolina	870	830	95	8,230	7,670	93	9,100	8,500	93
Ohio	200	200	100	2,450	2,300	94	2,650	2,500	94
Oklahoma	450	460	102	1,800	1,570	87	2,250	2,030	90
Pennsylvania	150	140	93	1,200	1,190	99	1,350	1,330	99
South Dakota	285	285	100	1,725	1,695	98	2,010	1,980	99
Texas	155	160	103	955	890	93	1,110	1,050	95
Utah	80	85	106	870	885	102	950	970	102
Other States ¹	450	435	97	2,369	2,378	100	2,819	2,813	100
United States	6,375	6,215	97	69,804	67,608	97	76,179	73,823	97

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

Market Inventory by Weight Group – States and United States: March 1, 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021	2020	2021
	(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	280	270	100	100	60	50	115	90
Illinois	1,260	1,185	1,515	1,550	995	1,060	800	775
Indiana	910	910	1,050	1,230	920	890	870	960
Iowa	5,830	5,340	7,460	7,210	5,500	5,550	4,630	4,560
Kansas	455	435	495	430	390	350	570	605
Michigan	335	335	300	300	230	265	255	280
Minnesota	2,700	2,420	2,460	2,620	1,850	1,710	1,430	1,420
Missouri	1,440	1,380	630	565	565	595	495	430
Nebraska	1,130	1,050	885	850	690	710	605	550
North Carolina	3,150	2,990	1,780	1,660	1,690	1,520	1,610	1,500
Ohio	680	610	640	610	550	515	580	565
Oklahoma	825	720	360	345	250	195	365	310
Pennsylvania	335	305	350	370	250	270	265	245
South Dakota	695	665	385	400	335	315	310	315
Texas	280	280	265	200	185	150	225	260
Utah	325	350	180	185	180	175	185	175
Other States ¹	941	933	498	513	446	455	483	476
United States	21,571	20,178	19,353	19,138	15,086	14,775	13,793	13,516

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

Breeding, Market, and Total Inventory – States and United States: June 1, 2020 and 2021

[May not add due to rounding]

State	Breeding			Market			Total		
	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	155	155	100	545	505	93	700	660	94
Illinois	570	650	114	4,780	4,700	98	5,350	5,350	100
Indiana	250	260	104	4,150	4,040	97	4,400	4,300	98
Iowa	960	910	95	23,340	23,090	99	24,300	24,000	99
Kansas	180	175	97	2,010	1,775	88	2,190	1,950	89
Michigan	120	115	96	1,060	1,115	105	1,180	1,230	104
Minnesota	550	540	98	8,450	8,560	101	9,000	9,100	101
Missouri	475	425	89	3,325	2,875	86	3,800	3,300	87
Nebraska	440	450	102	3,360	3,200	95	3,800	3,650	96
North Carolina	880	820	93	8,420	7,380	88	9,300	8,200	88
Ohio	210	190	90	2,540	2,360	93	2,750	2,550	93
Oklahoma	460	470	102	1,720	1,610	94	2,180	2,080	95
Pennsylvania	150	140	93	1,260	1,180	94	1,410	1,320	94
South Dakota	280	270	96	1,780	1,710	96	2,060	1,980	96
Texas	130	130	100	920	850	92	1,050	980	93
Utah	80	85	106	910	865	95	990	950	96
Other States ¹	436	435	100	2,468	2,368	96	2,904	2,803	97
United States	6,326	6,220	98	71,038	68,183	96	77,364	74,403	96

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

Market Inventory by Weight Group – States and United States: June 1, 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021	2020	2021
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	275	240	95	110	70	70	105	85
Illinois	1,400	1,355	1,555	1,560	1,035	965	790	820
Indiana	1,010	980	1,310	1,270	910	920	920	870
Iowa	5,780	6,000	7,520	7,280	5,500	5,500	4,540	4,310
Kansas	510	450	480	475	395	330	625	520
Michigan	310	330	290	295	220	235	240	255
Minnesota	2,800	2,770	2,430	2,700	1,820	1,670	1,400	1,420
Missouri	1,690	1,350	565	550	600	560	470	415
Nebraska	1,160	1,100	865	880	690	640	645	580
North Carolina	3,100	2,940	1,920	1,600	1,730	1,425	1,670	1,415
Ohio	710	670	650	625	580	505	600	560
Oklahoma	770	750	380	350	230	205	340	305
Pennsylvania	375	340	385	350	270	245	230	245
South Dakota	725	685	420	405	340	295	295	325
Texas	220	245	295	210	185	170	220	225
Utah	365	360	180	170	180	170	185	165
Other States ¹	910	909	550	519	485	465	522	474
United States	22,110	21,474	19,890	19,349	15,240	14,370	13,797	12,989

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

Breeding, Market, and Total Inventory – States and United States: September 1, 2020 and 2021

[May not add due to rounding]

State	Breeding			Market			Total		
	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado	165	150	91	485	510	105	650	660	102
Illinois	580	660	114	4,820	4,790	99	5,400	5,450	101
Indiana	250	250	100	4,200	4,050	96	4,450	4,300	97
Iowa	980	900	92	23,820	23,500	99	24,800	24,400	98
Kansas	175	165	94	1,915	1,905	99	2,090	2,070	99
Michigan	120	115	96	1,100	1,105	100	1,220	1,220	100
Minnesota	530	530	100	8,570	8,470	99	9,100	9,000	99
Missouri	470	420	89	3,430	2,980	87	3,900	3,400	87
Nebraska	430	460	107	3,370	3,190	95	3,800	3,650	96
North Carolina	870	810	93	8,730	7,490	86	9,600	8,300	86
Ohio	220	190	86	2,580	2,310	90	2,800	2,500	89
Oklahoma	450	470	104	1,650	1,730	105	2,100	2,200	105
Pennsylvania	150	145	97	1,290	1,195	93	1,440	1,340	93
South Dakota	285	265	93	1,765	1,735	98	2,050	2,000	98
Texas	140	140	100	920	940	102	1,060	1,080	102
Utah	85	85	100	955	885	93	1,040	970	93
Other States ¹	433	435	100	2,501	2,377	95	2,934	2,812	96
United States	6,333	6,190	98	72,101	69,162	96	78,434	75,352	96

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

Market Inventory by Weight Group – States and United States: September 1, 2020 and 2021

[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	
	2020	2021	2020	2021	2020	2021	2020	2021
	(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	260	235	100	110	50	55	75	110
Illinois	1,390	1,310	1,540	1,630	1,070	1,040	820	810
Indiana	1,040	980	1,380	1,250	820	895	960	925
Iowa	6,440	6,170	7,780	7,600	5,480	5,620	4,120	4,110
Kansas	500	470	475	415	410	420	530	600
Michigan	325	330	305	295	225	230	245	250
Minnesota	2,850	2,790	2,820	2,720	1,720	1,680	1,180	1,280
Missouri	1,600	1,400	690	560	690	620	450	400
Nebraska	1,170	1,090	890	880	690	650	620	570
North Carolina	3,350	3,040	2,130	1,620	1,610	1,390	1,640	1,440
Ohio	770	650	760	630	490	465	560	565
Oklahoma	765	850	350	350	185	220	350	310
Pennsylvania	355	320	410	375	275	275	250	225
South Dakota	700	655	435	405	320	305	310	370
Texas	305	290	215	240	140	150	260	260
Utah	370	345	195	180	195	180	195	180
Other States ¹	954	930	545	491	497	461	504	494
United States	23,144	21,855	21,020	19,751	14,867	14,656	13,069	12,899

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

Breeding, Market, and Total Inventory – States and United States: December 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	605	475	79	760	630	83
Illinois	590	550	93	4,860	4,850	100	5,450	5,400	99
Indiana	250	250	100	4,150	4,200	101	4,400	4,450	101
Iowa	1,010	950	94	23,890	23,550	99	24,900	24,500	98
Kansas	180	170	94	1,980	1,890	95	2,160	2,060	95
Michigan	120	120	100	1,120	1,180	105	1,240	1,300	105
Minnesota	570	540	95	8,830	8,760	99	9,400	9,300	99
Missouri	490	440	90	2,860	3,260	114	3,350	3,700	110
Nebraska	440	410	93	3,360	3,240	96	3,800	3,650	96
North Carolina	900	840	93	8,500	7,960	94	9,400	8,800	94
Ohio	210	210	100	2,540	2,440	96	2,750	2,650	96
Oklahoma	450	460	102	1,820	1,620	89	2,270	2,080	92
Pennsylvania	140	140	100	1,190	1,250	105	1,330	1,390	105
South Dakota	280	280	100	1,720	1,740	101	2,000	2,020	101
Texas	155	140	90	985	940	95	1,140	1,080	95
Utah	80	90	113	880	910	103	960	1,000	104
Other States ¹	451	431	96	2,467	2,381	97	2,918	2,812	96
United States	6,471	6,176	95	71,757	70,646	98	78,228	76,822	98

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

Market Inventory by Weight Group – States and United States: December 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	280	255	130	100	100	50	95	70
Illinois	1,455	1,410	1,630	1,550	965	1,040	810	850
Indiana	1,100	1,030	1,170	1,260	920	910	960	1,000
Iowa	5,840	5,680	7,720	7,570	5,750	5,790	4,580	4,510
Kansas	475	445	475	485	420	360	610	600
Michigan	340	360	310	330	220	245	250	245
Minnesota	2,750	2,790	2,770	2,710	1,860	1,840	1,450	1,420
Missouri	1,250	1,500	620	640	520	640	470	480
Nebraska	1,180	1,120	875	860	640	710	665	550
North Carolina	3,350	2,935	2,030	1,865	1,610	1,620	1,510	1,540
Ohio	690	750	710	660	550	480	590	550
Oklahoma	780	745	470	350	255	205	315	320
Pennsylvania	305	345	340	360	275	275	270	270
South Dakota	680	695	400	400	320	325	320	320
Texas	300	280	275	225	170	185	240	250
Utah	320	350	185	185	185	185	190	190
Other States ¹	953	809	526	560	496	486	491	525
United States	22,048	21,499	20,636	20,110	15,256	15,346	13,816	13,690

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 2020-2022

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

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2020	2021	2022 ²	2022 as percent of 2021	2020	2021	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	72	76	67	88	10.30	9.90	742	752	101
Illinois	285	265	290	109	10.95	10.95	3,121	2,902	93
Indiana	115	120	120	100	10.60	10.70	1,219	1,284	105
Iowa	500	485	480	99	11.25	11.30	5,625	5,481	97
Kansas	87	84	88	105	10.40	10.50	905	882	97
Michigan	57	52	52	100	11.10	10.90	633	567	90
Minnesota	270	250	250	100	11.90	11.80	3,213	2,950	92
Missouri	250	215	225	105	11.00	11.00	2,750	2,365	86
Nebraska	190	175	195	111	11.60	11.85	2,204	2,074	94
North Carolina	430	420	405	96	10.50	10.55	4,515	4,431	98
Ohio	96	87	92	106	11.00	10.40	1,056	905	86
Oklahoma	205	200	195	98	10.40	10.10	2,132	2,020	95
Pennsylvania	53	46	51	111	11.00	11.10	583	511	88
South Dakota	141	134	125	93	12.10	11.90	1,706	1,595	93
Texas	68	69	68	99	10.35	10.10	704	697	99
Utah	40	44	46	105	11.00	10.10	440	444	101
Other States ³	209	200	213	107	10.51	10.59	2,197	2,118	96
United States	3,068	2,922	2,962	101	11.00	10.94	33,745	31,978	95

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

² Intentions.

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

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: March-May 2020 and 2021

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	2020	2021	2021 as percent of 2020	2020	2021	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	74	73	99	10.10	10.40	747	759	102
Illinois	275	265	96	10.80	10.85	2,970	2,875	97
Indiana	125	125	100	10.60	10.90	1,325	1,363	103
Iowa	500	510	102	11.40	11.40	5,700	5,814	102
Kansas	89	88	99	10.70	10.20	952	898	94
Michigan	54	51	94	10.60	10.70	572	546	95
Minnesota	290	280	97	11.60	11.90	3,364	3,332	99
Missouri	255	230	90	11.00	10.90	2,805	2,507	89
Nebraska	200	195	98	11.10	11.60	2,220	2,262	102
North Carolina	460	440	96	10.60	10.30	4,876	4,532	93
Ohio	96	96	100	11.10	10.40	1,066	998	94
Oklahoma	215	210	98	10.80	10.10	2,322	2,121	91
Pennsylvania	57	48	84	11.10	11.40	633	547	86
South Dakota	139	132	95	12.30	12.50	1,710	1,650	96
Texas	68	68	100	11.00	9.30	748	632	84
Utah	43	45	105	10.80	10.60	464	477	103
Other States ²	209	211	101	10.39	10.78	2,169	2,271	105
United States	3,149	3,067	97	11.00	10.95	34,644	33,584	97

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 2020 and 2021

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	2020	2021	2021 as percent of 2020	2020	2021	2020	2021	2021 as percent of 2020
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	79	72	91	10.00	10.50	790	756	96
Illinois	290	285	98	10.70	10.90	3,103	3,107	100
Indiana	125	130	104	11.30	10.70	1,413	1,391	98
Iowa	560	505	90	11.30	11.40	6,328	5,757	91
Kansas	88	88	100	10.70	10.80	942	950	101
Michigan	54	51	94	11.40	10.80	616	551	89
Minnesota	310	265	85	11.90	11.80	3,689	3,127	85
Missouri	255	220	86	11.20	10.70	2,856	2,354	82
Nebraska	180	200	111	11.70	11.65	2,106	2,330	111
North Carolina	490	430	88	10.50	10.70	5,145	4,601	89
Ohio	108	102	94	10.50	11.20	1,134	1,142	101
Oklahoma	215	200	93	10.80	10.90	2,322	2,180	94
Pennsylvania	56	49	88	11.10	11.50	622	564	91
South Dakota	143	128	90	12.20	12.60	1,745	1,613	92
Texas	61	69	113	10.60	11.10	647	766	118
Utah	43	46	107	11.00	10.60	473	488	103
Other States ²	203	206	101	10.46	10.82	2,124	2,223	105
United States	3,260	3,046	93	11.06	11.13	36,056	33,900	94

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

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

Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: September-November 2019-2021

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2019	2020	2021 ²	2021 as percent of 2020	2019	2020	2019	2020	2020 as percent of 2019
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado	75	73	69	95	10.60	10.00	795	730	92
Illinois	280	290	295	102	10.95	10.80	3,066	3,132	102
Indiana	120	120	125	104	10.50	11.00	1,260	1,320	105
Iowa	510	550	490	89	11.35	11.30	5,789	6,215	107
Kansas	92	85	89	105	10.75	10.70	989	910	92
Michigan	56	56	53	95	10.85	11.50	608	644	106
Minnesota	300	280	265	95	11.90	11.85	3,570	3,318	93
Missouri	265	235	210	89	11.10	11.10	2,942	2,609	89
Nebraska	190	190	200	105	11.70	11.70	2,223	2,223	100
North Carolina	470	440	405	92	10.55	10.50	4,959	4,620	93
Ohio	103	105	102	97	11.40	10.60	1,174	1,113	95
Oklahoma	220	210	205	98	10.85	10.75	2,387	2,258	95
Pennsylvania	57	53	49	92	11.20	11.00	638	583	91
South Dakota	138	140	126	90	12.00	12.20	1,656	1,708	103
Texas	67	64	64	100	10.40	9.80	697	627	90
Utah	41	41	43	105	11.50	10.90	472	447	95
Other States ³	213	200	210	105	10.51	10.79	2,234	2,158	97
United States	3,197	3,132	3,000	96	11.09	11.05	35,459	34,614	98

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 4,800 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 2021, data were collected from about 3,200 operations. 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 September 1, 2021.

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 1.2 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 75.4 million head by more than 1.2 percent. Chances are 9 out of 10 that the difference will not exceed 1.9 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	1.2	2.1	743	60	2,270	6	14
Pig crop	1.7	2.9	447	0	1,292	8	11
Expected farrowings							
Second intentions	2.4	4.1	53	2	196	14	6
First intentions	2.6	4.5	59	2	189	13	7

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	76,179	2020	1988
June 1	77,364	2020	1964
September 1	78,583	2019	1988
December 1	83,741	1943	1866
Market			
March 1	69,804	2020	1988
June 1	71,038	2020	1964
September 1	72,153	2019	1988
December 1	71,757	2019	1963
Pig crop			
December-February ¹	33,745	2020	1970
March-May	34,644	2020	1970
June-August	36,370	2019	1970
September-November	35,459	2019	1970
	(number)	(year)	(year)
Pigs per litter			
December-February ¹	11.00	2020	1970
March-May	11.00	2020	1970
June-August	11.13	2021	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.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
Scott Hollis, Head, Livestock Section	(202) 690-2424
Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Anthony Fischer – Hogs and Pigs	(202) 720-3106
Logan Hartley-Sanguinett – Sheep and Goats	(202) 690-3236
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Dairy Products	(202) 720-4448

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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2021 USDA Fall Virtual Data Users' Meeting

Oct. 13 & 14, 2021

FREE AND OPEN TO THE PUBLIC



USDA Fall Data Users' Meeting

Virtual Meeting

October 13 & 14, 2021

12:00 – 3:00 pm ET

USDA's National Agricultural Statistics Service (NASS) will hold a virtual meeting for users of U.S. domestic and international agriculture data. Along with NASS, the 2021 Fall Data Users' Meeting will headline the Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Representatives will provide agency updates, answer questions, and listen to concerns from data users.

Abbreviated Agenda

Day 1 – October 13

Agency Updates – *All agencies*

AMS Transportation & Marketing Program - *Agricultural Marketing Service*

NASS Milk Production Program - *National Agricultural Statistics Service*

Showcasing ERS Data and New Initiatives - *Economic Research Service*

Foreign Production, Trade, and Import/Export Data - *World Agricultural Outlook Board, Foreign Agricultural Service, and U.S. Census Bureau*

Day 2 – October 14

Open Forum – *All agencies*

Climate Information for Informed Decision Making - *World Agricultural Outlook Board*

AMS Market News - *Agricultural Marketing Service*

NASS Modernization - *National Agricultural Statistics Service*

GADAS Demo – *Foreign Agricultural Service*

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).