



# Quarterly Hogs and Pigs

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## United States Hog Inventory Down 2 Percent

**United States inventory** of all hogs and pigs on June 1, 2021 was 75.7 million head. This was down 2 percent from June 1, 2020, but up 1 percent from March 1, 2021.

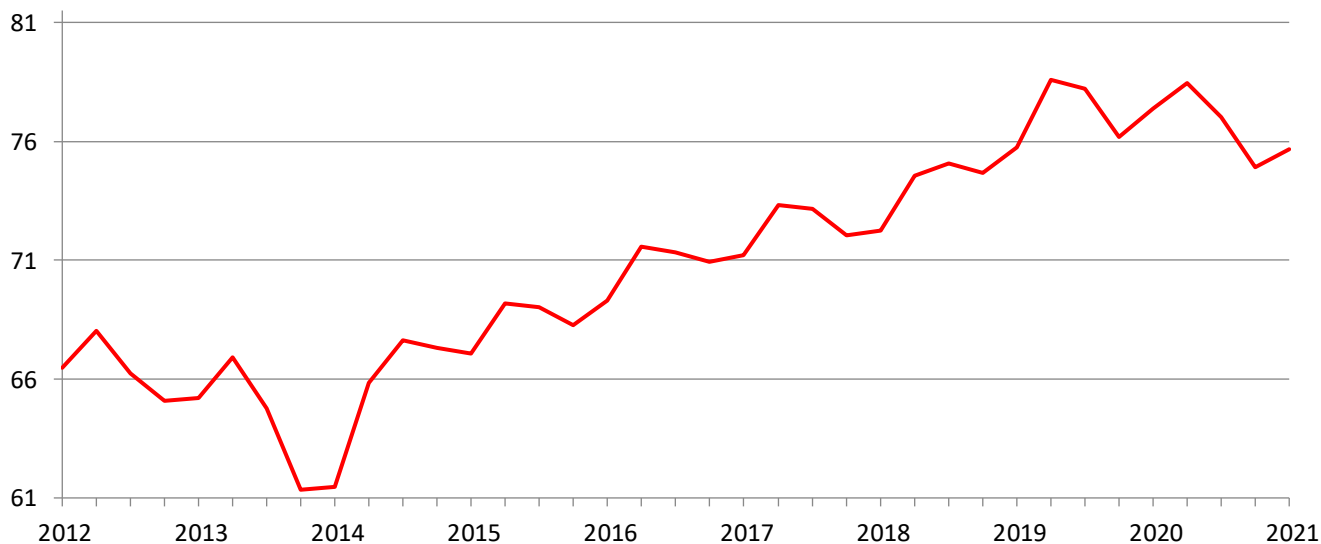
**Breeding inventory**, at 6.23 million head, was down 2 percent from last year, but up slightly from the previous quarter.

**Market hog inventory**, at 69.4 million head, was down 2 percent from last year, but up 1 percent from last quarter.

**The March-May 2021 pig crop**, at 33.6 million head, was down 3 percent from 2020. Sows farrowing during this period totaled 3.07 million head, down 3 percent from 2020. The sows farrowed during this quarter represented 49 percent of the breeding herd. The average pigs saved per litter was 10.95 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 3.11 million sows farrow during the June-August 2021 quarter, down 4 percent from the actual farrowings during the same period one year earlier, and down 5 percent from the same period two years earlier. Intended farrowings for September-November 2021, at 3.08 million sows, are down 2 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, unchanged from the previous year.

## Revisions

All inventory and pig crop estimates for June 2020 through March 2021 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the March 2021 all hogs and pigs inventory was 0.2 percent. The net revision made to the December 2020 all hogs and pigs inventory was 0.6 percent. A net revision of 0.7 percent was made to the September-November 2020 pig crop.

## Records

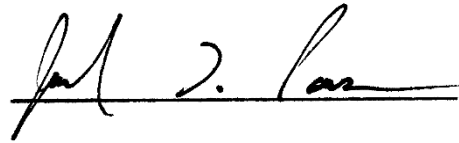
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on June 24, 2021.



Secretary of Agriculture  
Designate  
Seth Meyer



Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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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	74,913	98
Kept for breeding .....	6,375	6,215	97
Market .....	69,804	68,698	98
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,571	21,288	99
50-119 pounds .....	19,353	19,118	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	75,653	98
Kept for breeding .....	6,326	6,230	98
Market .....	71,038	69,423	98
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	15,010	98
180 pounds and over .....	13,797	13,589	98
September 1 inventory .....			
All hogs and pigs .....	78,434		
Kept for breeding .....	6,333		
Market .....	72,101		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	23,144		
50-119 pounds .....	21,020		
120-179 pounds .....	14,867		
180 pounds and over .....	13,069		
December 1 inventory .....			
All hogs and pigs .....	77,012		
Kept for breeding .....	6,276		
Market .....	70,736		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,589		
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: 2019-2021

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

Item	2019	2020	2021	2021 as percent of	
				2019	2020
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Sows farrowing .....					
December-February .....	3,098	3,068	3,041	98	99
March-May .....	3,132	3,149	3,067	98	97
December-May <sup>1</sup> .....	6,231	6,217	6,108	98	98
June-August <sup>2</sup> .....	3,274	3,260	3,115	95	96
September-November <sup>2</sup> .....	3,197	3,142	3,084	96	98
June-November <sup>1 2</sup> .....	6,471	6,402	6,199	96	97
Pig crop .....					
December-February .....	33,164	33,745	33,270	100	99
March-May .....	34,455	34,644	33,584	97	97
December-May <sup>1</sup> .....	67,619	68,389	66,855	99	98
June-August .....	36,370	36,056			
September-November .....	35,459	34,713			
June-November <sup>1</sup> .....	71,829	70,770			
	(number)	(number)	(number)	(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			
September-November .....	11.09	11.05			
June-November .....	11.10	11.05			

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

<sup>2</sup> Intentions for 2021.

## 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 <sup>1</sup>		Pigs per litter		Pig crop <sup>1</sup>	
	2020	2021	2020	2021	2020	2021
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	1,049	1,037	10.98	10.83	11,517	11,228
January .....	1,026	1,020	10.95	10.89	11,235	11,106
February .....	993	984	11.07	11.11	10,994	10,936
March .....	1,085	1,056	10.72	10.66	11,636	11,257
April .....	1,039	1,010	11.13	11.05	11,556	11,168
May .....	1,025	1,000	11.17	11.16	11,452	11,160
June .....	1,100		10.94		12,038	
July .....	1,086		11.05		11,999	
August .....	1,074		11.19		12,020	
September .....	1,078		10.89		11,732	
October .....	1,037		11.06		11,475	
November .....	1,027		11.20		11,506	
Total .....	12,619		11.03		139,158	

<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, 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	4,670	102	5,150	5,250	102
Indiana .....	250	260	104	3,750	4,090	109	4,000	4,350	109
Iowa .....	980	940	96	23,420	22,960	98	24,400	23,900	98
Kansas .....	180	170	94	1,910	1,830	96	2,090	2,000	96
Michigan .....	120	120	100	1,120	1,200	107	1,240	1,320	106
Minnesota .....	560	530	95	8,440	8,470	100	9,000	9,000	100
Missouri .....	470	430	91	3,130	3,070	98	3,600	3,500	97
Nebraska .....	440	440	100	3,310	3,210	97	3,750	3,650	97
North Carolina .....	870	830	95	8,230	7,670	93	9,100	8,500	93
Ohio .....	200	200	100	2,450	2,350	96	2,650	2,550	96
Oklahoma .....	450	460	102	1,800	1,590	88	2,250	2,050	91
Pennsylvania .....	150	140	93	1,200	1,210	101	1,350	1,350	100
South Dakota .....	285	285	100	1,725	1,705	99	2,010	1,990	99
Texas .....	155	160	103	955	900	94	1,110	1,060	95
Utah .....	80	85	106	870	885	102	950	970	102
Other States <sup>1</sup> .....	450	435	97	2,369	2,378	100	2,819	2,813	100
United States .....	6,375	6,215	97	69,804	68,698	98	76,179	74,913	98

<sup>1</sup> 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	1,305	1,515	1,530	995	1,060	800	775
Indiana .....	910	1,010	1,050	1,230	920	890	870	960
Iowa .....	5,830	5,640	7,460	7,210	5,500	5,550	4,630	4,560
Kansas .....	455	455	495	420	390	350	570	605
Michigan .....	335	355	300	300	230	265	255	280
Minnesota .....	2,700	2,680	2,460	2,660	1,850	1,710	1,430	1,420
Missouri .....	1,440	1,480	630	565	565	595	495	430
Nebraska .....	1,130	1,100	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	660	640	610	550	515	580	565
Oklahoma .....	825	740	360	345	250	195	365	310
Pennsylvania .....	335	335	350	360	250	270	265	245
South Dakota .....	695	685	385	390	335	315	310	315
Texas .....	280	290	265	200	185	150	225	260
Utah .....	325	360	180	175	180	175	185	175
Other States <sup>1</sup> .....	941	933	498	513	446	455	483	476
United States .....	21,571	21,288	19,353	19,118	15,086	14,775	13,793	13,516

<sup>1</sup> 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	515	94	700	670	96
Illinois .....	570	650	114	4,780	4,850	101	5,350	5,500	103
Indiana .....	250	260	104	4,150	4,140	100	4,400	4,400	100
Iowa .....	960	920	96	23,340	23,280	100	24,300	24,200	100
Kansas .....	180	175	97	2,010	1,805	90	2,190	1,980	90
Michigan .....	120	115	96	1,060	1,145	108	1,180	1,260	107
Minnesota .....	550	540	98	8,450	8,760	104	9,000	9,300	103
Missouri .....	475	425	89	3,325	2,975	89	3,800	3,400	89
Nebraska .....	440	450	102	3,360	3,350	100	3,800	3,800	100
North Carolina .....	880	820	93	8,420	7,480	89	9,300	8,300	89
Ohio .....	210	190	90	2,540	2,410	95	2,750	2,600	95
Oklahoma .....	460	470	102	1,720	1,640	95	2,180	2,110	97
Pennsylvania .....	150	140	93	1,260	1,220	97	1,410	1,360	96
South Dakota .....	280	270	96	1,780	1,740	98	2,060	2,010	98
Texas .....	130	130	100	920	870	95	1,050	1,000	95
Utah .....	80	85	106	910	875	96	990	960	97
Other States <sup>1</sup> .....	436	435	100	2,468	2,368	96	2,904	2,803	97
United States .....	6,326	6,230	98	71,038	69,423	98	77,364	75,653	98

<sup>1</sup> 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	95
Illinois .....	1,400	1,355	1,555	1,560	1,035	1,065	790	870
Indiana .....	1,010	980	1,310	1,270	910	930	920	960
Iowa .....	5,780	6,000	7,520	7,280	5,500	5,610	4,540	4,390
Kansas .....	510	450	480	475	395	340	625	540
Michigan .....	310	330	290	295	220	250	240	270
Minnesota .....	2,800	2,770	2,430	2,700	1,820	1,810	1,400	1,480
Missouri .....	1,690	1,350	565	550	600	630	470	445
Nebraska .....	1,160	1,100	865	880	690	710	645	660
North Carolina .....	3,100	2,940	1,920	1,600	1,730	1,475	1,670	1,465
Ohio .....	710	670	650	625	580	525	600	590
Oklahoma .....	770	750	380	350	230	215	340	325
Pennsylvania .....	375	340	385	350	270	265	230	265
South Dakota .....	725	685	420	405	340	310	295	340
Texas .....	220	245	295	210	185	170	220	245
Utah .....	365	360	180	170	180	170	185	175
Other States <sup>1</sup> .....	910	909	550	519	485	465	522	474
United States .....	22,110	21,474	19,890	19,349	15,240	15,010	13,797	13,589

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

## Breeding, Market, and Total Inventory – States and United States: September 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	165	103	630	485	77	790	650	82
Illinois .....	590	580	98	4,910	4,820	98	5,500	5,400	98
Indiana .....	250	250	100	4,150	4,200	101	4,400	4,450	101
Iowa .....	1,010	980	97	23,990	23,820	99	25,000	24,800	99
Kansas .....	175	175	100	1,915	1,915	100	2,090	2,090	100
Michigan .....	120	120	100	1,120	1,100	98	1,240	1,220	98
Minnesota .....	580	530	91	8,620	8,570	99	9,200	9,100	99
Missouri .....	490	470	96	3,160	3,430	109	3,650	3,900	107
Nebraska .....	450	430	96	3,350	3,370	101	3,800	3,800	100
North Carolina .....	900	870	97	8,700	8,730	100	9,600	9,600	100
Ohio .....	200	220	110	2,600	2,580	99	2,800	2,800	100
Oklahoma .....	460	450	98	1,790	1,650	92	2,250	2,100	93
Pennsylvania .....	120	150	125	1,140	1,290	113	1,260	1,440	114
South Dakota .....	265	285	108	1,735	1,765	102	2,000	2,050	103
Texas .....	155	140	90	1,045	920	88	1,200	1,060	88
Utah .....	80	85	106	880	955	109	960	1,040	108
Other States <sup>1</sup> .....	426	433	102	2,418	2,501	103	2,843	2,934	103
United States .....	6,431	6,333	98	72,153	72,101	100	78,583	78,434	100

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

## Market Inventory by Weight Group – States and United States: September 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 .....	305	260	130	100	95	50	100	75
Illinois .....	1,510	1,390	1,650	1,540	900	1,070	850	820
Indiana .....	1,110	1,040	1,230	1,380	860	820	950	960
Iowa .....	6,360	6,440	8,010	7,780	5,520	5,480	4,100	4,120
Kansas .....	490	500	510	475	375	410	540	530
Michigan .....	310	325	310	305	225	225	275	245
Minnesota .....	2,950	2,850	2,850	2,820	1,710	1,720	1,110	1,180
Missouri .....	1,530	1,600	590	690	545	690	495	450
Nebraska .....	1,190	1,170	890	890	670	690	600	620
North Carolina .....	3,440	3,350	2,140	2,130	1,580	1,610	1,540	1,640
Ohio .....	780	770	690	760	540	490	590	560
Oklahoma .....	805	765	465	350	225	185	295	350
Pennsylvania .....	315	355	330	410	265	275	230	250
South Dakota .....	655	700	450	435	305	320	325	310
Texas .....	345	305	290	215	185	140	225	260
Utah .....	355	370	175	195	175	195	175	195
Other States <sup>1</sup> .....	926	954	514	545	479	497	499	504
United States .....	23,376	23,144	21,224	21,020	14,654	14,867	12,899	13,069

<sup>1</sup> 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	570	97	4,860	4,880	100	5,450	5,450	100
Indiana .....	250	250	100	4,150	4,200	101	4,400	4,450	101
Iowa .....	1,010	980	97	23,890	23,620	99	24,900	24,600	99
Kansas .....	180	170	94	1,980	1,880	95	2,160	2,050	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	450	92	2,860	3,300	115	3,350	3,750	112
Nebraska .....	440	430	98	3,360	3,220	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	465	103	1,820	1,615	89	2,270	2,080	92
Pennsylvania .....	140	150	107	1,190	1,240	104	1,330	1,390	105
South Dakota .....	280	285	102	1,720	1,735	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 <sup>1</sup> .....	451	431	96	2,467	2,381	97	2,918	2,812	96
United States .....	6,471	6,276	97	71,757	70,736	99	78,228	77,012	98

<sup>1</sup> 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	1,440	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	5,750	7,720	7,570	5,750	5,790	4,580	4,510
Kansas .....	475	435	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	1,540	620	640	520	640	470	480
Nebraska .....	1,180	1,100	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	740	470	350	255	205	315	320
Pennsylvania .....	305	335	340	360	275	275	270	270
South Dakota .....	680	690	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 <sup>1</sup> .....	953	809	526	560	496	486	491	525
United States .....	22,048	21,589	20,636	20,110	15,256	15,346	13,816	13,690

<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 2020 and 2021

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

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	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 .....	72	77	107	10.30	9.90	742	762	103
Illinois .....	285	275	96	10.95	10.95	3,121	3,011	96
Indiana .....	115	125	109	10.60	10.70	1,219	1,338	110
Iowa .....	500	530	106	11.25	11.30	5,625	5,989	106
Kansas .....	87	85	98	10.40	10.50	905	893	99
Michigan .....	57	53	93	11.10	10.90	633	578	91
Minnesota .....	270	260	96	11.90	11.80	3,213	3,068	95
Missouri .....	250	225	90	11.00	11.00	2,750	2,475	90
Nebraska .....	190	185	97	11.60	11.80	2,204	2,183	99
North Carolina .....	430	420	98	10.50	10.50	4,515	4,410	98
Ohio .....	96	95	99	11.00	10.40	1,056	988	94
Oklahoma .....	205	210	102	10.40	10.10	2,132	2,121	99
Pennsylvania .....	53	48	91	11.00	11.10	583	533	91
South Dakota .....	141	138	98	12.10	11.90	1,706	1,642	96
Texas .....	68	71	104	10.35	10.10	704	717	102
Utah .....	40	44	110	11.00	10.10	440	444	101
Other States <sup>2</sup> .....	209	200	96	10.51	10.59	2,197	2,118	96
United States .....	3,068	3,041	99	11.00	10.94	33,745	33,270	99

<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 2020 and 2021

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	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 <sup>2</sup> .....	209	211	101	10.39	10.78	2,170	2,271	105
United States .....	3,149	3,067	97	11.00	10.95	34,644	33,584	97

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

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

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2019-2021

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2021 <sup>2</sup>	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 .....	79	79	70	89	10.70	10.00	845	790	93
Illinois .....	290	290	300	103	10.95	10.70	3,176	3,103	98
Indiana .....	120	125	135	108	11.00	11.30	1,320	1,413	107
Iowa .....	550	560	500	89	11.35	11.30	6,243	6,328	101
Kansas .....	90	88	88	100	10.90	10.70	981	942	96
Michigan .....	55	54	54	100	11.10	11.40	611	616	101
Minnesota .....	300	310	280	90	11.95	11.90	3,585	3,689	103
Missouri .....	260	255	235	92	11.10	11.20	2,886	2,856	99
Nebraska .....	194	180	200	111	11.65	11.70	2,260	2,106	93
North Carolina .....	500	490	430	88	10.50	10.50	5,250	5,145	98
Ohio .....	102	108	112	104	11.30	10.50	1,153	1,134	98
Oklahoma .....	230	215	210	98	10.90	10.80	2,507	2,322	93
Pennsylvania .....	51	56	50	89	11.30	11.10	576	622	108
South Dakota .....	129	143	132	92	11.85	12.20	1,529	1,745	114
Texas .....	71	61	63	103	10.90	10.60	774	647	84
Utah .....	44	43	44	102	11.00	11.00	484	473	98
Other States <sup>3</sup> .....	209	203	212	104	10.47	10.46	2,190	2,125	97
United States .....	3,274	3,260	3,115	96	11.11	11.06	36,370	36,056	99

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

<sup>2</sup> Intentions.

<sup>3</sup> Individual State estimates not available for the 34 Other States.

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

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2019	2020	2021 <sup>2</sup>	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	72	99	10.60	10.00	795	730	92
Illinois .....	280	290	300	103	10.95	10.80	3,066	3,132	102
Indiana .....	120	125	130	104	10.50	11.00	1,260	1,375	109
Iowa .....	510	550	500	91	11.35	11.30	5,789	6,215	107
Kansas .....	92	85	89	105	10.75	10.70	989	910	92
Michigan .....	56	56	54	96	10.85	11.50	608	644	106
Minnesota .....	300	280	270	96	11.90	11.85	3,570	3,318	93
Missouri .....	265	240	235	98	11.10	11.10	2,942	2,664	91
Nebraska .....	190	190	200	105	11.70	11.70	2,223	2,223	100
North Carolina .....	470	440	415	94	10.55	10.50	4,959	4,620	93
Ohio .....	103	105	99	94	11.40	10.60	1,174	1,113	95
Oklahoma .....	220	210	205	98	10.85	10.70	2,387	2,247	94
Pennsylvania .....	57	53	49	92	11.20	11.00	638	583	91
South Dakota .....	138	140	136	97	12.00	12.20	1,656	1,708	103
Texas .....	67	64	70	109	10.40	9.80	697	627	90
Utah .....	41	41	45	110	11.50	10.90	472	447	95
Other States <sup>3</sup> .....	213	200	215	108	10.51	10.79	2,234	2,157	97
United States .....	3,197	3,142	3,084	98	11.09	11.05	35,459	34,713	98

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

<sup>2</sup> Intentions.

<sup>3</sup> Individual State estimates not available for the 34 Other States.

## Statistical Methodology

**Survey Procedures:** A random sample of roughly 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 June 2021, data were collected from about 3,000 operations, 62.5 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, 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 1.1 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 75.7 million head by more than 1.1 percent. Chances are 9 out of 10 that the difference will not exceed 1.9 percent.

### Reliability of 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 .....	1.1	1.9	676	60	2,270	8	12
Pig crop .....	1.6	2.8	415	0	1,064	9	10
Expected farrowings							
Second intentions .....	2.2	3.8	54	2	137	15	5
First intentions .....	2.3	4.0	56	2	145	14	6

## 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 <sup>1</sup> .....	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 <sup>1</sup> .....	11.00	2020	1970
March-May .....	11.00	2020	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).

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Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
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Mike Miller – Milk Production and Milk Cows .....	(202) 720-3278
Suzanne Richards – Dairy Products .....	(202) 720-4448

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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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