



# Quarterly Hogs and Pigs

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## United States Hog Inventory Up Slightly

**United States inventory** of all hogs and pigs on March 1, 2023 was 72.9 million head. This was up slightly from March 1, 2022, but down 2 percent from December 1, 2022.

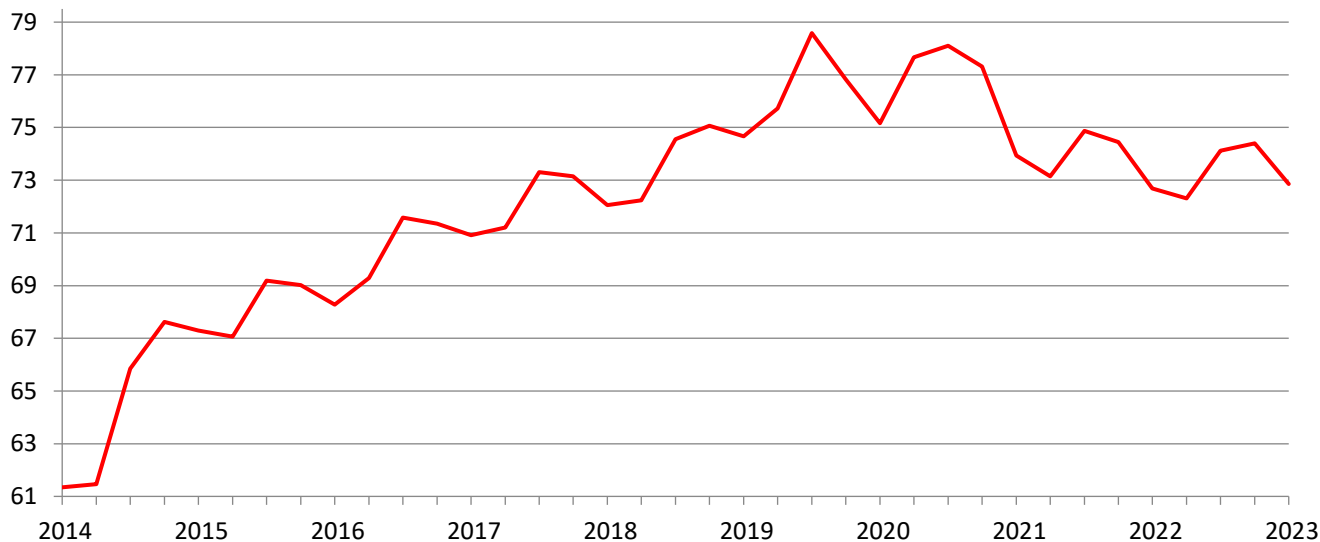
**Breeding inventory**, at 6.13 million head, was up slightly from last year, but down slightly from the previous quarter.

**Market hog inventory**, at 66.7 million head, was up slightly from last year, but down 2 percent from last quarter.

**The December 2022-February 2023 pig crop**, at 32.1 million head, was up slightly from last year. Sows farrowing during this period totaled 2.91 million head, down slightly from previous year. The sows farrowed during this quarter represented 47 percent of the breeding herd. The average pigs saved per litter was 11.02 for the December 2022-February 2023 period, compared to 10.95 last year.

## Quarterly Hogs and Pigs Inventory - United States: March 1

Million Head



**United States hog producers** intend to have 2.93 million sows farrow during the March-May 2023 quarter, down 1 percent from the actual farrowings during the same period one year earlier, and down 3 percent from the same period two years earlier. Intended farrowings for June-August 2023, at 2.97 million sows, are down 3 percent from the same period one year earlier, and 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 51 percent of the total United States hog inventory, up 2 percent from the previous year.

## Revisions

All inventory and pig crop estimates for March 2022 through December 2022 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the December 2022 all hogs and pigs inventory was 1.8 percent. A revision of 1.6 percent was made to the September 2022-November 2023 pig crop. The net revision made to the September 2022 all hogs and pigs inventory was 0.4 percent. A net revision of 1.5 percent was made to the June-August 2022 pig crop.

## Records

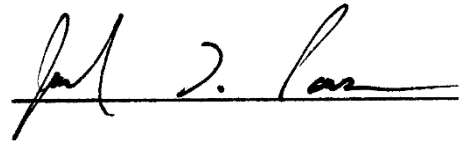
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on March 30, 2023.



Secretary of Agriculture  
Designate  
Cynthia Nickerson



Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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## Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2022 and 2023

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

Item	2022	2023	2023 as percent of 2022
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory .....			
All hogs and pigs .....	72,689	72,860	100
Kept for breeding .....	6,098	6,127	100
Market .....	66,591	66,734	100
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	20,105	20,059	100
50-119 pounds .....	19,030	18,975	100
120-179 pounds .....	14,988	14,973	100
180 pounds and over .....	12,468	12,727	102
June 1 inventory .....			
All hogs and pigs .....	72,314		
Kept for breeding .....	6,168		
Market .....	66,146		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	20,903		
50-119 pounds .....	18,691		
120-179 pounds .....	13,827		
180 pounds and over .....	12,725		
September 1 inventory .....			
All hogs and pigs .....	74,125		
Kept for breeding .....	6,152		
Market .....	67,973		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,893		
50-119 pounds .....	19,677		
120-179 pounds .....	14,013		
180 pounds and over .....	12,390		
December 1 inventory .....			
All hogs and pigs .....	74,399		
Kept for breeding .....	6,144		
Market .....	68,256		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,453		
50-119 pounds .....	18,970		
120-179 pounds .....	14,805		
180 pounds and over .....	13,028		

## Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2021-2023

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

Item	2021	2022	2023	2023 as percent of	
				2021	2022
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Sows farrowing .....					
December-February .....	2,929	2,919	2,910	99	100
March-May <sup>1</sup> .....	3,034	2,967	2,930	97	99
December-May <sup>2,3</sup> .....	5,964	5,886	5,840	98	99
June-August <sup>1</sup> .....	3,050	3,062	2,973	97	97
September-November .....	3,049	3,052			
June-November <sup>3</sup> .....	6,098	6,114			
Pig crop .....					
December-February .....	32,059	31,947	32,058	100	100
March-May .....	33,233	32,635			
December-May <sup>3</sup> .....	65,292	64,582			
June-August .....	33,944	34,096			
September-November .....	34,123	34,231			
June-November <sup>3</sup> .....	68,067	68,326			
	(number)	(number)	(number)	(percent)	(percent)
Pigs per litter .....					
December-February .....	10.94	10.95	11.02	101	101
March-May .....	10.95	11.00			
December-May .....	10.95	10.97			
June-August .....	11.13	11.13			
September-November .....	11.19	11.22			
June-November .....	11.16	11.18			

<sup>1</sup> Intentions for 2023.

<sup>2</sup> Actual farrowings for December 2022-February 2023 plus intentions for March-May 2023.

<sup>3</sup> May not add due to rounding.

## Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2022 and 2023

[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>	
	2022	2023	2022	2023	2022	2023
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December .....	979	982	10.94	11.07	10,718	10,872
January .....	994	980	10.88	10.84	10,810	10,625
February .....	946	947	11.02	11.15	10,419	10,561
March .....	1,020		10.84		11,054	
April .....	975		11.06		10,787	
May .....	972		11.10		10,794	
June .....	1,023		10.95		11,211	
July .....	1,040		11.14		11,592	
August .....	999		11.31		11,293	
September .....	1,045		11.18		11,686	
October .....	1,013		11.21		11,358	
November .....	994		11.26		11,187	
Total .....	12,000		11.08		132,908	

<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, 2022 and 2023

[May not add due to rounding]

State	Breeding			Market			Total		
	2022	2023	2023 as percent of 2022	2022	2023	2023 as percent of 2022	2022	2023	2023 as percent of 2022
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	140	140	100	450	440	98	590	580	98
Illinois .....	590	660	112	4,710	4,690	100	5,300	5,350	101
Indiana .....	250	260	104	4,000	4,040	101	4,250	4,300	101
Iowa .....	900	900	100	22,200	22,500	101	23,100	23,400	101
Kansas .....	155	145	94	1,715	1,705	99	1,870	1,850	99
Michigan .....	110	115	105	1,080	1,125	104	1,190	1,240	104
Minnesota .....	530	500	94	8,070	8,400	104	8,600	8,900	103
Missouri .....	420	450	107	2,930	2,800	96	3,350	3,250	97
Nebraska .....	430	385	90	3,170	3,165	100	3,600	3,550	99
North Carolina .....	800	790	99	7,200	7,210	100	8,000	8,000	100
Ohio .....	190	190	100	2,410	2,460	102	2,600	2,650	102
Oklahoma .....	470	480	102	1,620	1,630	101	2,090	2,110	101
Pennsylvania .....	140	135	96	1,210	1,165	96	1,350	1,300	96
South Dakota .....	280	305	109	1,740	1,795	103	2,020	2,100	104
Texas .....	160	170	106	880	1,010	115	1,040	1,180	113
Utah .....	85	35	41	845	255	30	930	290	31
Other States <sup>1</sup> .....	448	467	104	2,361	2,344	99	2,809	2,810	100
United States .....	6,098	6,127	100	66,591	66,734	100	72,689	72,860	100

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

## Market Inventory by Weight Group – States and United States: March 1, 2022 and 2023

[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	
	2022	2023	2022	2023	2022	2023	2022	2023
	(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 .....	215	225	100	90	55	55	80	70
Illinois .....	1,305	1,315	1,605	1,550	1,075	1,075	725	750
Indiana .....	1,020	1,050	1,150	1,200	965	950	865	840
Iowa .....	5,440	5,320	7,150	7,240	5,490	5,630	4,120	4,310
Kansas .....	415	400	405	385	345	355	550	565
Michigan .....	310	330	295	305	240	250	235	240
Minnesota .....	2,420	2,510	2,570	2,660	1,780	1,870	1,300	1,360
Missouri .....	1,240	1,260	640	530	670	620	380	390
Nebraska .....	1,050	1,010	890	910	700	720	530	525
North Carolina .....	2,760	2,730	1,560	1,580	1,520	1,470	1,360	1,430
Ohio .....	635	675	620	610	590	580	565	595
Oklahoma .....	735	800	335	310	200	210	350	310
Pennsylvania .....	330	325	375	355	280	255	225	230
South Dakota .....	695	725	410	405	305	305	330	360
Texas .....	295	335	235	265	145	150	205	260
Utah .....	330	105	170	55	170	45	175	50
Other States <sup>1</sup> .....	910	944	520	525	458	433	473	442
United States .....	20,105	20,059	19,030	18,975	14,988	14,973	12,468	12,727

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

## Breeding, Market, and Total Inventory – States and United States: June 1, 2021 and 2022

[May not add due to rounding]

State	Breeding			Market			Total		
	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	155	135	87	505	385	76	660	520	79
Illinois .....	650	620	95	4,650	4,630	100	5,300	5,250	99
Indiana .....	260	250	96	3,940	4,050	103	4,200	4,300	102
Iowa .....	910	940	103	22,790	22,060	97	23,700	23,000	97
Kansas .....	175	155	89	1,775	1,765	99	1,950	1,920	98
Michigan .....	115	110	96	1,095	1,070	98	1,210	1,180	98
Minnesota .....	540	520	96	8,260	7,780	94	8,800	8,300	94
Missouri .....	425	430	101	2,825	2,770	98	3,250	3,200	98
Nebraska .....	450	420	93	3,050	3,080	101	3,500	3,500	100
North Carolina .....	820	820	100	7,280	7,380	101	8,100	8,200	101
Ohio .....	190	180	95	2,310	2,420	105	2,500	2,600	104
Oklahoma .....	470	470	100	1,570	1,550	99	2,040	2,020	99
Pennsylvania .....	140	140	100	1,150	1,210	105	1,290	1,350	105
South Dakota .....	270	290	107	1,690	1,830	108	1,960	2,120	108
Texas .....	130	160	123	850	900	106	980	1,060	108
Utah .....	85	80	94	865	880	102	950	960	101
Other States <sup>1</sup> .....	435	448	103	2,328	2,386	102	2,763	2,834	103
United States .....	6,220	6,168	99	66,933	66,146	99	73,153	72,314	99

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

## Market Inventory by Weight Group – States and United States: June 1, 2021 and 2022

[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	
	2021	2022	2021	2022	2021	2022	2021	2022
	(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 .....	240	190	110	70	70	45	85	80
Illinois .....	1,355	1,350	1,550	1,550	935	965	810	765
Indiana .....	970	1,040	1,220	1,150	900	940	850	920
Iowa .....	5,970	5,700	7,200	7,130	5,320	5,050	4,300	4,180
Kansas .....	450	440	470	420	330	340	525	565
Michigan .....	330	310	290	295	220	230	255	235
Minnesota .....	2,740	2,640	2,630	2,440	1,550	1,460	1,340	1,240
Missouri .....	1,350	1,240	510	540	560	620	405	370
Nebraska .....	1,060	1,000	840	840	590	690	560	550
North Carolina .....	2,940	2,920	1,540	1,600	1,415	1,420	1,385	1,440
Ohio .....	670	680	605	630	485	530	550	580
Oklahoma .....	750	765	340	305	165	165	315	315
Pennsylvania .....	335	330	330	365	230	285	255	230
South Dakota .....	685	765	395	390	275	315	335	360
Texas .....	245	275	210	245	170	145	225	235
Utah .....	360	350	170	175	170	175	165	180
Other States <sup>1</sup> .....	904	908	509	546	445	452	469	480
United States .....	21,354	20,903	18,919	18,691	13,830	13,827	12,829	12,725

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

## Breeding, Market, and Total Inventory – States and United States: September 1, 2021 and 2022

[May not add due to rounding]

State	Breeding			Market			Total		
	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	150	125	83	510	375	74	660	500	76
Illinois .....	660	590	89	4,740	4,660	98	5,400	5,250	97
Indiana .....	250	250	100	4,050	4,100	101	4,300	4,350	101
Iowa .....	900	930	103	23,200	22,670	98	24,100	23,600	98
Kansas .....	165	160	97	1,885	1,770	94	2,050	1,930	94
Michigan .....	115	110	96	1,115	1,090	98	1,230	1,200	98
Minnesota .....	530	510	96	8,270	8,290	100	8,800	8,800	100
Missouri .....	420	430	102	2,980	2,920	98	3,400	3,350	99
Nebraska .....	460	410	89	3,190	3,140	98	3,650	3,550	97
North Carolina .....	810	820	101	7,490	7,480	100	8,300	8,300	100
Ohio .....	190	190	100	2,360	2,510	106	2,550	2,700	106
Oklahoma .....	470	510	109	1,730	1,760	102	2,200	2,270	103
Pennsylvania .....	145	140	97	1,205	1,200	100	1,350	1,340	99
South Dakota .....	265	300	113	1,745	1,800	103	2,010	2,100	104
Texas .....	140	170	121	950	1,030	108	1,090	1,200	110
Utah .....	85	55	65	885	765	86	970	820	85
Other States <sup>1</sup> .....	435	452	104	2,372	2,413	102	2,807	2,865	102
United States .....	6,190	6,152	99	68,677	67,973	99	74,867	74,125	99

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

## Market Inventory by Weight Group – States and United States: September 1, 2021 and 2022

[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	
	2021	2022	2021	2022	2021	2022	2021	2022
	(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 .....	235	195	110	55	55	40	110	85
Illinois .....	1,310	1,320	1,640	1,550	1,005	955	785	835
Indiana .....	990	1,090	1,260	1,230	875	890	925	890
Iowa .....	6,010	5,990	7,760	7,650	5,470	5,180	3,960	3,850
Kansas .....	455	445	430	440	410	340	590	545
Michigan .....	330	335	315	295	225	225	245	235
Minnesota .....	2,680	2,780	2,830	2,750	1,580	1,600	1,180	1,160
Missouri .....	1,410	1,320	565	540	605	640	400	420
Nebraska .....	1,080	1,090	890	840	650	670	570	540
North Carolina .....	3,090	3,030	1,670	1,630	1,340	1,410	1,390	1,410
Ohio .....	700	790	680	640	440	510	540	570
Oklahoma .....	850	880	350	390	220	190	310	300
Pennsylvania .....	325	335	380	355	275	280	225	230
South Dakota .....	660	785	410	365	305	285	370	365
Texas .....	290	345	250	260	150	150	260	275
Utah .....	345	220	180	180	180	180	180	185
Other States <sup>1</sup> .....	930	943	491	507	461	468	489	495
United States .....	21,690	21,893	20,211	19,677	14,246	14,013	12,529	12,390

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



## Breeding, Market, and Total Inventory – States and United States: December 1, 2021 and 2022

[May not add due to rounding]

State	Breeding			Market			Total		
	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	145	145	100	475	385	81	620	530	85
Illinois .....	590	660	112	4,810	4,790	100	5,400	5,450	101
Indiana .....	250	260	104	4,100	4,190	102	4,350	4,450	102
Iowa .....	920	920	100	22,980	23,080	100	23,900	24,000	100
Kansas .....	165	165	100	1,825	1,745	96	1,990	1,910	96
Michigan .....	110	115	105	1,050	1,135	108	1,160	1,250	108
Minnesota .....	550	490	89	8,350	8,310	100	8,900	8,800	99
Missouri .....	420	430	102	3,030	2,870	95	3,450	3,300	96
Nebraska .....	430	400	93	3,220	3,200	99	3,650	3,600	99
North Carolina .....	810	800	99	7,190	7,400	103	8,000	8,200	103
Ohio .....	190	190	100	2,610	2,560	98	2,800	2,750	98
Oklahoma .....	460	490	107	1,630	1,670	102	2,090	2,160	103
Pennsylvania .....	145	135	93	1,165	1,225	105	1,310	1,360	104
South Dakota .....	265	290	109	1,745	1,800	103	2,010	2,090	104
Texas .....	150	160	107	940	1,070	114	1,090	1,230	113
Utah .....	85	35	41	855	475	56	940	510	54
Other States <sup>1</sup> .....	440	459	104	2,346	2,351	100	2,786	2,809	101
United States .....	6,125	6,144	100	68,321	68,256	100	74,446	74,399	100

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

## Market Inventory by Weight Group – States and United States: December 1, 2021 and 2022

[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	
	2021	2022	2021	2022	2021	2022	2021	2022
	(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 .....	230	200	95	75	60	45	90	65
Illinois .....	1,400	1,340	1,575	1,610	1,075	1,015	760	825
Indiana .....	1,040	1,060	1,170	1,220	935	990	955	920
Iowa .....	5,970	6,010	7,290	7,120	5,340	5,580	4,380	4,370
Kansas .....	435	430	450	420	355	320	585	575
Michigan .....	320	345	275	305	210	240	245	245
Minnesota .....	2,800	2,830	2,550	2,450	1,590	1,640	1,410	1,390
Missouri .....	1,430	1,260	550	560	640	640	410	410
Nebraska .....	1,080	1,060	880	890	695	730	565	520
North Carolina .....	2,890	2,910	1,460	1,640	1,355	1,430	1,485	1,420
Ohio .....	730	730	640	670	585	560	655	600
Oklahoma .....	770	810	350	320	170	230	340	310
Pennsylvania .....	320	330	360	380	250	290	235	225
South Dakota .....	670	720	400	410	320	320	355	350
Texas .....	300	380	235	270	165	200	240	220
Utah .....	340	120	170	115	170	120	175	120
Other States <sup>1</sup> .....	869	918	555	515	459	455	463	463
United States .....	21,594	21,453	19,005	18,970	14,374	14,805	13,348	13,028

<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 2022 and 2023

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

State	Sows farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2022	2023	2023 as percent of 2022	2022	2023	2022	2023	2023 as percent of 2022
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	66	60	91	9.90	9.90	653	594	91
Illinois .....	260	280	108	10.60	10.60	2,756	2,968	108
Indiana .....	120	120	100	10.40	11.20	1,248	1,344	108
Iowa .....	475	470	99	11.30	11.45	5,368	5,382	100
Kansas .....	82	80	98	10.10	10.25	828	820	99
Michigan .....	52	55	106	11.10	10.70	577	589	102
Minnesota .....	260	250	96	11.70	11.95	3,042	2,988	98
Missouri .....	220	225	102	10.70	10.60	2,354	2,385	101
Nebraska .....	190	180	95	11.70	11.25	2,223	2,025	91
North Carolina .....	405	400	99	10.50	10.70	4,253	4,280	101
Ohio .....	95	90	95	11.50	10.70	1,093	963	88
Oklahoma .....	195	205	105	9.65	10.15	1,882	2,081	111
Pennsylvania .....	51	46	90	11.40	11.40	581	524	90
South Dakota .....	128	141	110	12.55	12.80	1,606	1,805	112
Texas .....	63	73	116	10.60	11.40	668	832	125
Utah .....	43	14	33	10.60	9.60	456	134	29
Other States <sup>2</sup> .....	214	221	103	11.03	10.61	2,359	2,344	99
United States .....	2,919	2,910	100	10.95	11.02	31,947	32,058	100

<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 2021-2023

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2021	2022	2023 <sup>2</sup>	2023 as percent of 2022	2021	2022	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	73	61	61	100	10.40	9.80	759	598	79
Illinois .....	260	260	240	92	10.85	10.70	2,821	2,782	99
Indiana .....	125	120	135	113	10.90	10.70	1,363	1,284	94
Iowa .....	510	500	490	98	11.40	11.45	5,814	5,725	98
Kansas .....	88	85	76	89	10.20	10.40	898	884	98
Michigan .....	50	51	56	110	10.70	10.80	535	551	103
Minnesota .....	280	265	260	98	11.90	11.85	3,332	3,140	94
Missouri .....	225	225	230	102	10.90	10.70	2,453	2,408	98
Nebraska .....	190	185	180	97	11.60	11.60	2,204	2,146	97
North Carolina .....	430	420	400	95	10.30	10.40	4,429	4,368	99
Ohio .....	91	90	96	107	10.40	11.30	946	1,017	108
Oklahoma .....	210	200	200	100	10.10	10.20	2,121	2,040	96
Pennsylvania .....	47	50	46	92	11.40	11.50	536	575	107
South Dakota .....	131	135	141	104	12.50	12.70	1,638	1,715	105
Texas .....	68	61	79	130	9.30	10.10	632	616	97
Utah .....	45	45	17	38	10.60	10.70	477	482	101
Other States <sup>3</sup> .....	211	214	223	104	10.77	10.76	2,275	2,304	101
United States .....	3,034	2,967	2,930	99	10.95	11.00	33,233	32,635	98

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

<sup>2</sup> Intentions.

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

## Sows Farrowing, Pigs per Litter, and Pig Crop – States and United States: June-August 2021-2023

[May not add due to rounding]

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2021	2022	2023 <sup>2</sup>	2023 as percent of 2022	2021	2022	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	72	65	60	92	10.50	10.10	756	657	87
Illinois .....	285	270	240	89	10.90	10.75	3,107	2,903	93
Indiana .....	130	125	135	108	10.70	10.85	1,391	1,356	97
Iowa .....	505	510	505	99	11.40	11.65	5,757	5,942	103
Kansas .....	88	85	78	92	10.80	10.95	950	931	98
Michigan .....	53	55	55	100	10.80	10.90	572	600	105
Minnesota .....	265	265	260	98	11.80	12.10	3,127	3,207	103
Missouri .....	220	235	240	102	10.70	10.70	2,354	2,515	107
Nebraska .....	200	185	175	95	11.65	11.25	2,330	2,081	89
North Carolina .....	430	430	410	95	10.70	10.85	4,601	4,666	101
Ohio .....	104	95	97	102	11.20	11.40	1,165	1,083	93
Oklahoma .....	200	220	205	93	10.90	10.20	2,180	2,244	103
Pennsylvania .....	49	48	47	98	11.50	11.60	564	557	99
South Dakota .....	128	144	140	97	12.60	12.60	1,613	1,814	112
Texas .....	69	81	83	102	11.10	9.40	766	761	99
Utah .....	46	32	16	50	10.60	13.80	488	442	91
Other States <sup>3</sup> .....	206	217	227	104	10.82	10.76	2,223	2,337	105
United States .....	3,050	3,062	2,973	97	11.13	11.13	33,944	34,096	100

<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 2021 and 2022

[May not add due to rounding]

State	Sows Farrowing			Pigs per litter		Pig crop <sup>1</sup>		
	2021	2022	2022 as percent of 2021	2021	2022	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	70	60	86	10.50	10.10	735	606	82
Illinois .....	255	285	112	10.70	10.75	2,729	3,064	112
Indiana .....	130	130	100	11.10	10.90	1,443	1,417	98
Iowa .....	525	515	98	11.45	11.55	6,011	5,948	99
Kansas .....	85	81	95	10.80	10.90	918	883	96
Michigan .....	50	56	112	11.10	11.10	555	622	112
Minnesota .....	295	280	95	11.55	12.00	3,407	3,360	99
Missouri .....	225	225	100	11.20	11.20	2,520	2,520	100
Nebraska .....	195	190	97	11.70	11.50	2,282	2,185	96
North Carolina .....	415	415	100	10.90	11.15	4,524	4,627	102
Ohio .....	106	95	90	11.50	11.30	1,219	1,074	88
Oklahoma .....	190	215	113	10.65	10.80	2,024	2,322	115
Pennsylvania .....	52	46	88	11.40	11.50	593	529	89
South Dakota .....	133	143	108	12.50	12.10	1,663	1,730	104
Texas .....	68	80	118	10.60	10.00	721	800	111
Utah .....	44	15	34	10.50	11.50	462	173	37
Other States <sup>2</sup> .....	211	221	105	10.98	10.73	2,317	2,371	102
United States .....	3,049	3,052	100	11.19	11.22	34,123	34,231	100

<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 4,500 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 2023, data were collected from about 3,000 operations. 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, 2023.

**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 are reviewed from all quarters of the current year, all quarters of the previous year, and December two years prior. 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 1.5 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 72.9 million head by more than 1.5 percent. Chances are 9 out of 10 that the difference will not exceed 2.6 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 .....	1.5	2.6	874	190	2,500	8	12
Pig crop .....	1.9	3.3	510	14	1,502	12	8
Expected farrowings							
Second intentions .....	2.4	4.1	58	2	189	11	9
First intentions .....	2.5	4.3	59	0	182	9	11

## 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 .....	75,164	2020	1988
June 1 .....	77,664	2020	1964
September 1 .....	78,583	2019	1988
December 1 .....	83,741	1943	1866
Market .....			
March 1 .....	68,739	2020	1988
June 1 .....	71,238	2020	1964
September 1 .....	72,153	2019	1988
December 1 .....	71,136	2020	1963
Pig crop .....			
December-February <sup>1</sup> .....	35,016	2020	1970
March-May .....	34,621	2020	1970
June-August .....	36,370	2019	1970
September-November .....	34,987	2020	1970
	(number)	(year)	(year)
Pigs per litter .....			
December-February <sup>1</sup> .....	11.02	2023	1970
March-May .....	11.00	2022	1970
June-August .....	11.13	2022	1970
September-November .....	11.22	2022	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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Sherry Bertramsen – Livestock Slaughter .....	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed .....	(202) 720-3040
Donnie Fike – Dairy Products .....	(202) 690-3347
Anthony Fischer – Hogs and Pigs .....	(202) 720-3106
Mike Miller – Milk Production and Milk Cows.....	(202) 720-3278
Suzanne Richards – Sheep and Goats .....	(202) 720-4448

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