



Quarterly Hogs and Pigs

ISSN: 1949-1921

Released September 29, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

United States Hog Inventory Down 1 Percent

United States inventory of all hogs and pigs on September 1, 2022 was 73.8 million head. This was down 1 percent from September 1, 2021, but up 2 percent from June 1, 2022.

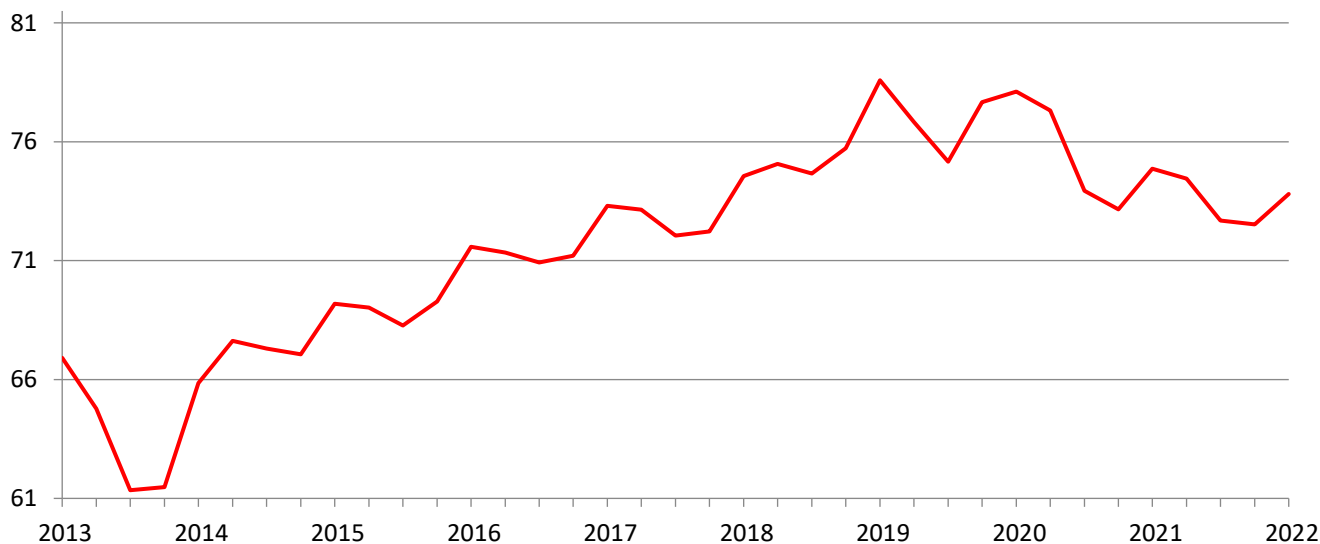
Breeding inventory, at 6.15 million head, was down 1 percent from last year, and down slightly from the previous quarter.

Market hog inventory, at 67.6 million head, was down 1 percent from last year, but up 2 percent from last quarter.

The June-August 2022 pig crop, at 33.6 million head, was down 1 percent from 2021. Sows farrowing during this period totaled 3.02 million head, down 1 percent from 2021. 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, unchanged from last year.

Quarterly Hogs and Pigs Inventory - United States: September 1

Million head



United States hog producers intend to have 2.97 million sows farrow during the September-November 2022 quarter, down 2 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 2022-February 2023, at 2.90 million sows, are down 1 percent from the same period one year earlier, and down 1 percent from the same period two years earlier.

The total number of hogs under contract owned by operations with over 5,000 head, but raised by contractees, accounted for 50 percent of the total United States hog inventory, up 1 percent from the previous year.

Revisions

All inventory and pig crop estimates for September 2021 through June 2022 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the March 2022-May 2022 pig crop was 0.1 percent. A net revision of 0.7 percent was made to the March 2022 all hogs and pigs inventory. The net revision made to the December 2021-February 2022 pig crop was 0.6 percent.

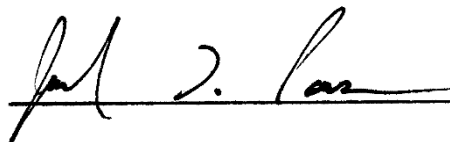
Records

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 29, 2022.



Secretary of Agriculture
Designate
Cynthia Nickerson



Agricultural Statistics Board
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Hogs and Pigs Inventory by Class, Weight Group, and Quarter – United States: 2021 and 2022

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

Item	2021	2022	2022 as percent of 2021
	(1,000 head)	(1,000 head)	(percent)
March 1 inventory			
All hogs and pigs	73,933	72,689	98
Kept for breeding	6,215	6,098	98
Market	67,718	66,591	98
Market hogs and pigs by weight groups			
Under 50 pounds	20,238	20,105	99
50-119 pounds	19,138	19,030	99
120-179 pounds	15,375	14,988	97
180 pounds and over	12,966	12,468	96
June 1 inventory			
All hogs and pigs	73,153	72,524	99
Kept for breeding	6,220	6,168	99
Market	66,933	66,356	99
Market hogs and pigs by weight groups			
Under 50 pounds	21,354	21,083	99
50-119 pounds	18,919	18,721	99
120-179 pounds	13,830	13,827	100
180 pounds and over	12,829	12,725	99
September 1 inventory			
All hogs and pigs	74,867	73,800	99
Kept for breeding	6,190	6,152	99
Market	68,677	67,648	99
Market hogs and pigs by weight groups			
Under 50 pounds	21,690	21,343	98
50-119 pounds	20,211	19,887	98
120-179 pounds	14,246	14,073	99
180 pounds and over	12,529	12,345	99
December 1 inventory			
All hogs and pigs	74,446		
Kept for breeding	6,125		
Market	68,321		
Market hogs and pigs by weight groups			
Under 50 pounds	21,594		
50-119 pounds	19,005		
120-179 pounds	14,374		
180 pounds and over	13,348		

Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2020-2023

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

Item	2020	2021	2022	2023	2022 as percent of		2023 as percent of 2022
					2020	2021	
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)	(percent)
Sows farrowing							
December-February ²	3,182	2,929	2,919	2,902	92	100	99
March-May	3,147	3,034	2,988		95	98	
December-May ¹	6,329	5,964	5,907		93	99	
June-August	3,260	3,050	3,018		93	99	
September-November ³	3,165	3,049	2,973		94	98	
June-November ^{1 4}	6,425	6,098	5,991		93	98	
Pig crop							
December-February	35,016	32,059	31,947		91	100	
March-May	34,621	33,233	32,863		95	99	
December-May ¹	69,637	65,292	64,809		93	99	
June-August	36,056	33,944	33,581		93	99	
September-November	34,987	34,123					
June-November ¹	71,044	68,067					
	(number)	(number)	(number)	(number)	(percent)	(percent)	(percent)
Pigs per litter							
December-February	11.00	10.94	10.95		100	100	
March-May	11.00	10.95	11.00		100	100	
December-May	11.00	10.95	10.97		100	100	
June-August	11.06	11.13	11.13		101	100	
September-November	11.05	11.19					
June-November	11.06	11.16					

¹ May not add due to rounding.

² Intentions for 2023.

³ Intentions for 2022.

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

Monthly Sows Farrowing, Pigs per Litter, and Pig Crop – United States: December-November 2021 and 2022

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

Month	Sows farrowing ¹		Pigs per litter		Pig crop ¹	
	2021	2022	2021	2022	2021	2022
	(1,000 head)	(1,000 head)	(number)	(number)	(1,000 head)	(1,000 head)
December	998	979	10.84	10.94	10,820	10,718
January	983	994	10.89	10.88	10,702	10,810
February	948	946	11.11	11.02	10,538	10,419
March	1,045	1,027	10.71	10.84	11,186	11,131
April	1,000	982	11.01	11.06	11,004	10,862
May	990	979	11.16	11.10	11,043	10,869
June	1,032	1,009	11.02	10.95	11,366	11,041
July	1,016	1,025	11.15	11.14	11,325	11,421
August	1,002	984	11.23	11.30	11,253	11,119
September	1,046		11.12		11,627	
October	1,014		11.20		11,354	
November	989		11.26		11,142	
Total	12,062		11.06		133,359	

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, 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	140	93	510	450	88	660	590	89
Illinois	580	590	102	4,620	4,710	102	5,200	5,300	102
Indiana	260	250	96	4,040	4,000	99	4,300	4,250	99
Iowa	940	900	96	22,660	22,200	98	23,600	23,100	98
Kansas	170	155	91	1,820	1,715	94	1,990	1,870	94
Michigan	120	110	92	1,170	1,080	92	1,290	1,190	92
Minnesota	530	530	100	8,170	8,070	99	8,700	8,600	99
Missouri	430	420	98	2,970	2,930	99	3,400	3,350	99
Nebraska	440	430	98	3,210	3,170	99	3,650	3,600	99
North Carolina	830	800	96	7,670	7,200	94	8,500	8,000	94
Ohio	200	190	95	2,300	2,410	105	2,500	2,600	104
Oklahoma	460	470	102	1,570	1,620	103	2,030	2,090	103
Pennsylvania	140	140	100	1,200	1,210	101	1,340	1,350	101
South Dakota	285	280	98	1,695	1,740	103	1,980	2,020	102
Texas	160	160	100	890	880	99	1,050	1,040	99
Utah	85	85	100	885	845	95	970	930	96
Other States ¹	435	448	103	2,338	2,361	101	2,773	2,809	101
United States	6,215	6,098	98	67,718	66,591	98	73,933	72,689	98

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

Market Inventory by Weight Group – States and United States: March 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	270	215	100	100	50	55	90	80
Illinois	1,185	1,305	1,550	1,605	1,110	1,075	775	725
Indiana	960	1,020	1,230	1,150	940	965	910	865
Iowa	5,340	5,440	7,210	7,150	5,650	5,490	4,460	4,120
Kansas	440	415	435	405	355	345	590	550
Michigan	345	310	300	295	265	240	260	235
Minnesota	2,420	2,420	2,620	2,570	1,810	1,780	1,320	1,300
Missouri	1,380	1,240	565	640	645	670	380	380
Nebraska	1,050	1,050	850	890	810	700	500	530
North Carolina	2,990	2,760	1,660	1,560	1,570	1,520	1,450	1,360
Ohio	610	635	610	620	565	590	515	565
Oklahoma	725	735	350	335	200	200	295	350
Pennsylvania	305	330	370	375	290	280	235	225
South Dakota	665	695	400	410	330	305	300	330
Texas	280	295	200	235	165	145	245	205
Utah	350	330	185	170	175	170	175	175
Other States ¹	923	910	503	520	445	458	466	473
United States	20,238	20,105	19,138	19,030	15,375	14,988	12,966	12,468

¹ 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	4,680	101	5,300	5,300	100
Indiana	260	250	96	3,940	4,100	104	4,200	4,350	104
Iowa	910	940	103	22,790	22,060	97	23,700	23,000	97
Kansas	175	155	89	1,775	1,755	99	1,950	1,910	98
Michigan	115	110	96	1,095	1,080	99	1,210	1,190	98
Minnesota	540	520	96	8,260	7,780	94	8,800	8,300	94
Missouri	425	430	101	2,825	2,820	100	3,250	3,250	100
Nebraska	450	420	93	3,050	3,130	103	3,500	3,550	101
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	1,220	106	1,290	1,360	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 ¹	435	448	103	2,328	2,386	102	2,763	2,834	103
United States	6,220	6,168	99	66,933	66,356	99	73,153	72,524	99

¹ 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	1,390	1,550	1,560	935	965	810	765
Indiana	970	1,080	1,220	1,160	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	330	525	565
Michigan	330	320	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	1,270	510	540	560	630	405	380
Nebraska	1,060	1,050	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	775	340	305	165	165	315	305
Pennsylvania	335	330	330	375	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 ¹	904	908	509	546	445	452	469	480
United States	21,354	21,083	18,919	18,721	13,830	13,827	12,829	12,725

¹ 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	4,610	97	5,400	5,200	96
Indiana	250	250	100	4,050	4,150	102	4,300	4,400	102
Iowa	900	930	103	23,200	22,470	97	24,100	23,400	97
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	2,870	96	3,400	3,300	97
Nebraska	460	410	89	3,190	3,090	97	3,650	3,500	96
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	1,750	101	2,200	2,260	103
Pennsylvania	145	140	97	1,205	1,210	100	1,350	1,350	100
South Dakota	265	300	113	1,745	1,780	102	2,010	2,080	103
Texas	140	170	121	950	1,020	107	1,090	1,190	109
Utah	85	55	65	885	765	86	970	820	85
Other States ¹	435	452	104	2,372	2,418	102	2,807	2,870	102
United States	6,190	6,152	99	68,677	67,648	99	74,867	73,800	99

¹ 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	1,270	1,640	1,550	1,005	955	785	835
Indiana	990	1,090	1,260	1,270	875	900	925	890
Iowa	6,010	5,680	7,760	7,760	5,470	5,200	3,960	3,830
Kansas	455	445	430	440	410	340	590	545
Michigan	330	325	315	295	225	235	245	235
Minnesota	2,680	2,780	2,830	2,750	1,580	1,600	1,180	1,160
Missouri	1,410	1,270	565	550	605	650	400	400
Nebraska	1,080	1,040	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	740	680	690	440	510	540	570
Oklahoma	850	870	350	390	220	190	310	300
Pennsylvania	325	335	380	355	275	290	225	230
South Dakota	660	765	410	365	305	285	370	365
Texas	290	345	250	260	150	150	260	265
Utah	345	220	180	180	180	180	180	185
Other States ¹	930	943	491	507	461	468	489	500
United States	21,690	21,343	20,211	19,887	14,246	14,073	12,529	12,345

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

Breeding, Market, and Total Inventory – States and United States: December 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	145	94	465	475	102	620	620	100
Illinois	550	590	107	4,900	4,810	98	5,450	5,400	99
Indiana	250	250	100	4,200	4,100	98	4,450	4,350	98
Iowa	950	920	97	23,650	22,980	97	24,600	23,900	97
Kansas	170	165	97	1,890	1,825	97	2,060	1,990	97
Michigan	120	110	92	1,190	1,050	88	1,310	1,160	89
Minnesota	540	550	102	8,860	8,350	94	9,400	8,900	95
Missouri	440	420	95	3,310	3,030	92	3,750	3,450	92
Nebraska	410	430	105	3,390	3,220	95	3,800	3,650	96
North Carolina	840	810	96	7,960	7,190	90	8,800	8,000	91
Ohio	210	190	90	2,490	2,610	105	2,700	2,800	104
Oklahoma	460	460	100	1,620	1,630	101	2,080	2,090	100
Pennsylvania	140	145	104	1,260	1,165	92	1,400	1,310	94
South Dakota	280	265	95	1,750	1,745	100	2,030	2,010	99
Texas	140	150	107	940	940	100	1,080	1,090	101
Utah	90	85	94	910	855	94	1,000	940	94
Other States ¹	431	440	102	2,351	2,346	100	2,782	2,786	100
United States	6,176	6,125	99	71,136	68,321	96	77,312	74,446	96

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

Market Inventory by Weight Group – States and United States: December 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	255	230	90	95	50	60	70	90
Illinois	1,460	1,400	1,500	1,575	1,090	1,075	850	760
Indiana	1,050	1,040	1,230	1,170	935	935	985	955
Iowa	5,780	5,970	7,470	7,290	5,890	5,340	4,510	4,380
Kansas	445	435	465	450	370	355	610	585
Michigan	380	320	320	275	245	210	245	245
Minnesota	2,890	2,800	2,610	2,550	1,940	1,590	1,420	1,410
Missouri	1,510	1,430	630	550	690	640	480	410
Nebraska	1,200	1,080	850	880	790	695	550	565
North Carolina	2,955	2,890	1,845	1,460	1,620	1,355	1,540	1,485
Ohio	780	730	630	640	530	585	550	655
Oklahoma	745	770	350	350	205	170	320	340
Pennsylvania	365	320	350	360	275	250	270	235
South Dakota	715	670	390	400	325	320	320	355
Texas	300	300	215	235	175	165	250	240
Utah	350	340	185	170	185	170	190	175
Other States ¹	809	869	550	555	476	459	515	463
United States	21,989	21,594	19,680	19,005	15,791	14,374	13,675	13,348

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 2021-2023

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

State	Sows farrowing				Pigs per litter		Pig crop ¹		
	2021	2022	2023 ²	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	78	66	59	89	9.90	9.90	772	653	85
Illinois	265	260	250	96	10.95	10.60	2,902	2,756	95
Indiana	120	120	120	100	10.70	10.40	1,284	1,248	97
Iowa	485	475	485	102	11.30	11.30	5,481	5,368	98
Kansas	84	82	77	94	10.50	10.10	882	828	94
Michigan	52	52	52	100	10.90	11.10	567	577	102
Minnesota	250	260	245	94	11.80	11.70	2,950	3,042	103
Missouri	215	220	220	100	11.00	10.70	2,365	2,354	100
Nebraska	180	190	180	95	11.85	11.70	2,133	2,223	104
North Carolina	420	405	410	101	10.55	10.50	4,431	4,253	96
Ohio	87	95	95	100	10.40	11.50	905	1,093	121
Oklahoma	200	195	195	100	10.10	9.65	2,020	1,882	93
Pennsylvania	46	51	48	94	11.10	11.40	511	581	114
South Dakota	134	128	143	112	11.90	12.55	1,595	1,606	101
Texas	69	63	78	124	10.10	10.60	697	668	96
Utah	44	43	18	42	10.10	10.60	444	456	103
Other States ³	200	214	227	106	10.59	11.03	2,120	2,359	111
United States	2,929	2,919	2,902	99	10.94	10.95	32,059	31,947	100

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 2021 and 2022

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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	73	63	86	10.40	9.80	759	617	81
Illinois	260	260	100	10.85	10.70	2,821	2,782	99
Indiana	125	125	100	10.90	10.70	1,363	1,338	98
Iowa	510	505	99	11.40	11.45	5,814	5,782	99
Kansas	88	85	97	10.20	10.40	898	884	98
Michigan	50	51	102	10.70	10.80	535	551	103
Minnesota	280	265	95	11.90	11.85	3,332	3,140	94
Missouri	225	225	100	10.90	10.70	2,453	2,408	98
Nebraska	190	185	97	11.60	11.60	2,204	2,146	97
North Carolina	430	420	98	10.30	10.40	4,429	4,368	99
Ohio	91	95	104	10.40	11.30	946	1,074	114
Oklahoma	210	200	95	10.10	10.20	2,121	2,040	96
Pennsylvania	47	51	109	11.40	11.50	536	587	110
South Dakota	131	135	103	12.50	12.70	1,638	1,715	105
Texas	68	64	94	9.30	10.10	632	646	102
Utah	45	45	100	10.60	10.70	477	482	101
Other States ²	211	214	101	10.77	10.75	2,275	2,303	101
United States	3,034	2,988	98	10.95	11.00	33,233	32,863	99

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 2021 and 2022

[May not add due to rounding]

State	Sows farrowing			Pigs per litter		Pig crop ¹		
	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	72	65	90	10.50	10.10	756	657	87
Illinois	285	265	93	10.90	10.75	3,107	2,849	92
Indiana	130	125	96	10.70	10.85	1,391	1,356	97
Iowa	505	500	99	11.40	11.60	5,757	5,800	101
Kansas	88	85	97	10.80	10.90	950	927	98
Michigan	53	53	100	10.80	10.90	572	578	101
Minnesota	265	260	98	11.80	12.10	3,127	3,146	101
Missouri	220	230	105	10.70	10.70	2,354	2,461	105
Nebraska	200	185	93	11.65	11.25	2,330	2,081	89
North Carolina	430	425	99	10.70	10.85	4,601	4,611	100
Ohio	104	95	91	11.20	11.40	1,165	1,083	93
Oklahoma	200	215	108	10.90	10.20	2,180	2,193	101
Pennsylvania	49	48	98	11.50	11.60	564	557	99
South Dakota	128	142	111	12.60	12.60	1,613	1,789	111
Texas	69	76	110	11.10	9.40	766	714	93
Utah	46	32	70	10.60	13.80	488	442	91
Other States ²	206	217	106	10.82	10.76	2,223	2,337	105
United States	3,050	3,018	99	11.13	11.13	33,944	33,581	99

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 2020-2022

[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	73	70	58	83	10.00	10.50	730	735	101
Illinois	300	255	260	102	10.80	10.70	3,240	2,729	84
Indiana	120	130	130	100	11.00	11.10	1,320	1,443	109
Iowa	560	525	500	95	11.30	11.45	6,328	6,011	95
Kansas	85	85	82	96	10.70	10.80	910	918	101
Michigan	56	50	52	104	11.50	11.10	644	555	86
Minnesota	290	295	255	86	11.85	11.55	3,437	3,407	99
Missouri	238	225	225	100	11.10	11.20	2,642	2,520	95
Nebraska	190	195	185	95	11.70	11.70	2,223	2,282	103
North Carolina	440	415	420	101	10.50	10.90	4,620	4,524	98
Ohio	105	106	101	95	10.60	11.50	1,113	1,219	110
Oklahoma	210	190	205	108	10.75	10.65	2,258	2,024	90
Pennsylvania	53	52	48	92	11.00	11.40	583	593	102
South Dakota	140	133	143	108	12.20	12.50	1,708	1,663	97
Texas	64	68	76	112	9.80	10.60	627	721	115
Utah	41	44	18	41	10.90	10.50	447	462	103
Other States ³	200	211	215	102	10.79	10.98	2,157	2,317	107
United States	3,165	3,049	2,973	98	11.05	11.19	34,987	34,123	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 4,700 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 2022, 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 September 1, 2022.

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 1.4 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 73.8 million head by more than 1.4 percent. Chances are 9 out of 10 that the difference will not exceed 2.4 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	1.4	2.4	800	0	2,500	6	13
Pig crop	1.8	3.1	451	14	1,502	11	9
Expected farrowings							
Second intentions	2.4	4.1	55	0	189	12	8
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 ¹	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 ¹	11.00	2020	1970
March-May	11.00	2022	1970
June-August	11.13	2022	1970
September-November	11.19	2021	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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- 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.

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