



# Quarterly Hogs and Pigs

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## United States Hog Inventory Up Slightly

**United States inventory** of all hogs and pigs on September 1, 2023 was 74.3 million head. This was up slightly from September 1, 2022, and up 2 percent from June 1, 2023.

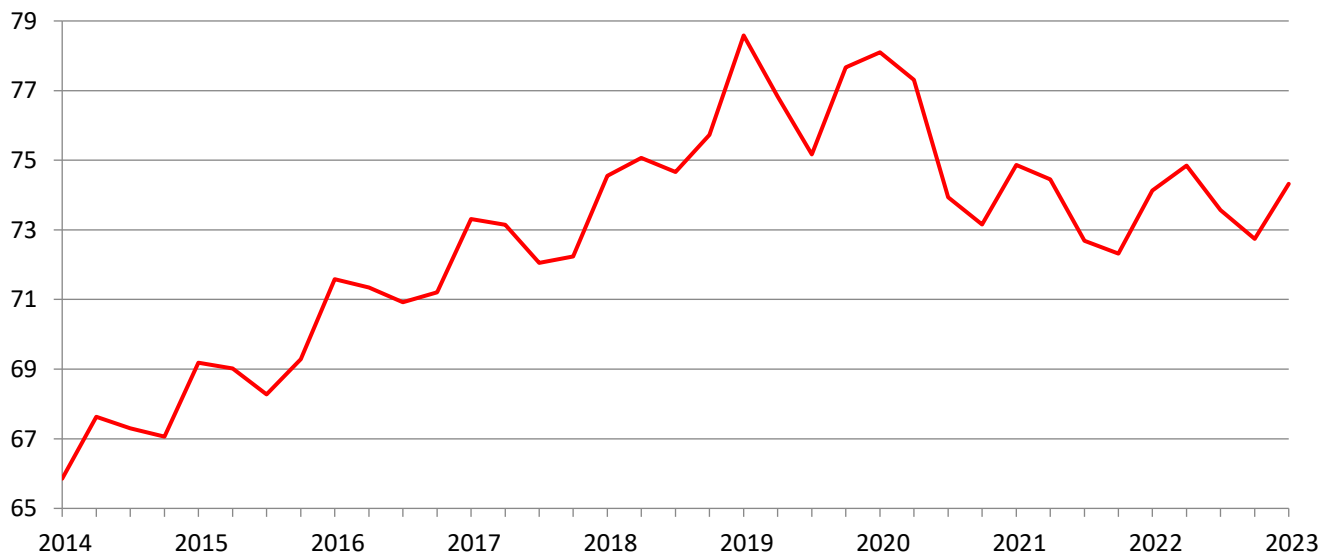
**Breeding inventory**, at 6.08 million head, was down 1 percent from last year, and down 1 percent from the previous quarter.

**Market hog inventory**, at 68.2 million head, was up slightly from last year, and up 2 percent from last quarter.

**The June-August 2023 pig crop**, at 34.2 million head, was up slightly from 2022. Sows farrowing during this period totaled 2.95 million head, down 4 percent from 2022. The sows farrowed during this quarter represented 48 percent of the breeding herd. The average pigs saved per litter was 11.61 for the June-August period, compared to 11.13 last year.

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

Million head



**United States hog producers** intend to have 2.93 million sows farrow during the September-November 2023 quarter, down 5 percent from the actual farrowings during the same period one year earlier, and down 4 percent from the same period two years earlier. Intended farrowings for December 2023-February 2024, at 2.91 million sows, are down 1 percent from the same period one year earlier, and down slightly 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 52 percent of the total United States hog inventory, up 2 percent from the previous year.

## Revisions

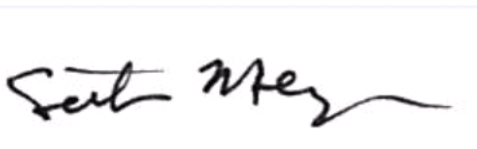
All inventory and pig crop estimates for September 2022 through June 2023 were reviewed using final pig crop, official slaughter, death loss, and updated import and export data. The revision made to the June 2023 all hogs and pigs inventory was 0.5 percent. A revision of 0.2 percent was made to the March 2023-May 2023 pig crop. A net revision of 1.0 percent was made to the March 2023 all hogs and pigs inventory. The net revision made to the December 2022-February 2023 pig crop was 1.5 percent.

## Records

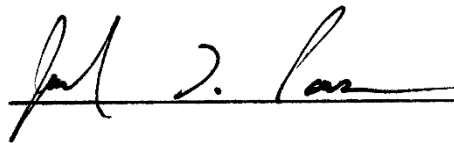
Record highs for all hogs and pigs, market hogs, pig crop and pigs per litter, by quarter, can be found on page 13.

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This report was approved on September 28, 2023.



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: 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	73,564	101
Kept for breeding .....	6,098	6,096	100
Market .....	66,591	67,469	101
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	20,105	20,444	102
50-119 pounds .....	19,030	19,045	100
120-179 pounds .....	14,988	15,193	101
180 pounds and over .....	12,468	12,787	103
June 1 inventory .....			
All hogs and pigs .....	72,314	72,744	101
Kept for breeding .....	6,168	6,146	100
Market .....	66,146	66,599	101
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	20,903	20,939	100
50-119 pounds .....	18,691	18,883	101
120-179 pounds .....	13,827	14,043	102
180 pounds and over .....	12,725	12,734	100
September 1 inventory .....			
All hogs and pigs .....	74,125	74,319	100
Kept for breeding .....	6,152	6,079	99
Market .....	67,973	68,241	100
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,893	21,913	100
50-119 pounds .....	19,677	19,756	100
120-179 pounds .....	14,013	14,110	101
180 pounds and over .....	12,390	12,463	101
December 1 inventory .....			
All hogs and pigs .....	74,849		
Kept for breeding .....	6,104		
Market .....	68,746		
Market hogs and pigs by weight groups .....			
Under 50 pounds .....	21,788		
50-119 pounds .....	19,130		
120-179 pounds .....	14,800		
180 pounds and over .....	13,028		

## Sows Farrowing, Pig Crop, and Pigs per Litter – United States: 2021-2024

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

Item	2021	2022	2023	2024	2023 as percent of		2024 as percent of 2023
					2021	2022	
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)	(percent)
Sows farrowing .....							
December-February <sup>2</sup> .....	2,929	2,919	2,952	2,912	101	101	99
March-May .....	3,034	2,967	2,901		96	98	
December-May <sup>1</sup> .....	5,964	5,886	5,852		98	99	
June-August .....	3,050	3,062	2,949		97	96	
September-November <sup>3</sup> .....	3,049	3,092	2,930		96	95	
June-November <sup>1 4</sup> .....	6,098	6,154	5,879		96	96	
Pig crop .....							
December-February .....	32,059	31,947	32,538		101	102	
March-May .....	33,233	32,635	32,951		99	101	
December-May <sup>1</sup> .....	65,292	64,582	65,488		100	101	
June-August .....	33,944	34,096	34,229		101	100	
September-November .....	34,123	34,701					
June-November <sup>1</sup> .....	68,067	68,796					
	(number)	(number)	(number)	(number)	(percent)	(percent)	(percent)
Pigs per litter .....							
December-February .....	10.94	10.95	11.02		101	101	
March-May .....	10.95	11.00	11.36		104	103	
December-May .....	10.95	10.97	11.19		102	102	
June-August .....	11.13	11.13	11.61		104	104	
September-November .....	11.19	11.22					
June-November .....	11.16	11.18					

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

<sup>2</sup> Intentions for 2024.

<sup>3</sup> Intentions for 2023.

<sup>4</sup> Actual farrowings for June-August plus intentions for September-November.

## 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	995	10.94	11.09	10,718	11,035
January .....	994	996	10.88	10.83	10,810	10,784
February .....	946	961	11.02	11.16	10,419	10,719
March .....	1,020	984	10.84	11.20	11,054	11,019
April .....	975	961	11.06	11.43	10,787	10,983
May .....	972	956	11.10	11.46	10,794	10,949
June .....	1,023	988	10.95	11.46	11,211	11,327
July .....	1,040	994	11.14	11.67	11,592	11,599
August .....	999	967	11.31	11.69	11,293	11,303
September .....	1,059		11.19		11,846	
October .....	1,027		11.21		11,514	
November .....	1,007		11.26		11,341	
Total .....	12,040		11.08		133,378	

<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	650	110	4,710	4,750	101	5,300	5,400	102
Indiana .....	250	250	100	4,000	4,100	103	4,250	4,350	102
Iowa .....	900	900	100	22,200	22,700	102	23,100	23,600	102
Kansas .....	155	145	94	1,715	1,715	100	1,870	1,860	99
Michigan .....	110	115	105	1,080	1,125	104	1,190	1,240	104
Minnesota .....	530	500	94	8,070	8,600	107	8,600	9,100	106
Missouri .....	420	450	107	2,930	2,850	97	3,350	3,300	99
Nebraska .....	430	385	90	3,170	3,215	101	3,600	3,600	100
North Carolina .....	800	790	99	7,200	7,210	100	8,000	8,000	100
Ohio .....	190	190	100	2,410	2,510	104	2,600	2,700	104
Oklahoma .....	470	480	102	1,620	1,660	102	2,090	2,140	102
Pennsylvania .....	140	135	96	1,210	1,175	97	1,350	1,310	97
South Dakota .....	280	300	107	1,740	1,810	104	2,020	2,110	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	461	103	2,361	2,344	99	2,809	2,804	100
United States .....	6,098	6,096	100	66,591	67,469	101	72,689	73,564	101

<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	1,335	1,605	1,580	1,075	1,085	725	750
Indiana .....	1,020	1,090	1,150	1,220	965	950	865	840
Iowa .....	5,440	5,420	7,150	7,240	5,490	5,730	4,120	4,310
Kansas .....	415	410	405	385	345	355	550	565
Michigan .....	310	330	295	305	240	250	235	240
Minnesota .....	2,420	2,610	2,570	2,660	1,780	1,940	1,300	1,390
Missouri .....	1,240	1,310	640	530	670	620	380	390
Nebraska .....	1,050	1,010	890	910	700	750	530	545
North Carolina .....	2,760	2,730	1,560	1,580	1,520	1,470	1,360	1,430
Ohio .....	635	705	620	630	590	580	565	595
Oklahoma .....	735	820	335	310	200	220	350	310
Pennsylvania .....	330	325	375	355	280	255	225	240
South Dakota .....	695	740	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	20,444	19,030	19,045	14,988	15,193	12,468	12,787

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

## Breeding, Market, and Total Inventory – States and United States: June 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 .....	135	145	107	385	435	113	520	580	112
Illinois .....	620	670	108	4,630	4,730	102	5,250	5,400	103
Indiana .....	250	260	104	4,050	4,090	101	4,300	4,350	101
Iowa .....	940	900	96	22,060	23,000	104	23,000	23,900	104
Kansas .....	155	155	100	1,765	1,755	99	1,920	1,910	99
Michigan .....	110	115	105	1,070	1,115	104	1,180	1,230	104
Minnesota .....	520	520	100	7,780	8,180	105	8,300	8,700	105
Missouri .....	430	435	101	2,770	2,765	100	3,200	3,200	100
Nebraska .....	420	390	93	3,080	3,310	107	3,500	3,700	106
North Carolina .....	820	800	98	7,380	6,800	92	8,200	7,600	93
Ohio .....	180	180	100	2,420	2,370	98	2,600	2,550	98
Oklahoma .....	470	470	100	1,550	1,680	108	2,020	2,150	106
Pennsylvania .....	140	140	100	1,210	1,190	98	1,350	1,330	99
South Dakota .....	290	315	109	1,830	1,865	102	2,120	2,180	103
Texas .....	160	170	106	900	940	104	1,060	1,110	105
Utah .....	80	30	38	880	255	29	960	285	30
Other States <sup>1</sup> .....	448	451	101	2,386	2,119	89	2,834	2,569	91
United States .....	6,168	6,146	100	66,146	66,599	101	72,314	72,744	101

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

## Market Inventory by Weight Group – States and United States: June 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 .....	190	200	70	100	45	60	80	75
Illinois .....	1,350	1,330	1,550	1,600	965	1,010	765	790
Indiana .....	1,040	1,030	1,150	1,230	940	960	920	870
Iowa .....	5,700	6,040	7,130	7,290	5,050	5,260	4,180	4,410
Kansas .....	440	450	420	405	340	350	565	550
Michigan .....	310	330	295	300	230	235	235	250
Minnesota .....	2,640	2,850	2,440	2,500	1,460	1,490	1,240	1,340
Missouri .....	1,240	1,270	540	540	620	600	370	355
Nebraska .....	1,000	1,030	840	950	690	750	550	580
North Carolina .....	2,920	2,670	1,600	1,450	1,420	1,350	1,440	1,330
Ohio .....	680	660	630	600	530	560	580	550
Oklahoma .....	765	830	305	350	165	185	315	315
Pennsylvania .....	330	305	365	375	285	290	230	220
South Dakota .....	765	745	390	400	315	345	360	375
Texas .....	275	270	245	270	145	155	235	245
Utah .....	350	105	175	55	175	45	180	50
Other States <sup>1</sup> .....	908	824	546	468	452	398	480	429
United States .....	20,903	20,939	18,691	18,883	13,827	14,043	12,725	12,734

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

## Breeding, Market, and Total Inventory – States and United States: September 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 .....	125	140	112	375	470	125	500	610	122
Illinois .....	590	670	114	4,660	4,680	100	5,250	5,350	102
Indiana .....	250	260	104	4,100	4,190	102	4,350	4,450	102
Iowa .....	930	880	95	22,670	23,520	104	23,600	24,400	103
Kansas .....	160	170	106	1,770	1,790	101	1,930	1,960	102
Michigan .....	110	115	105	1,090	1,135	104	1,200	1,250	104
Minnesota .....	510	510	100	8,290	8,190	99	8,800	8,700	99
Missouri .....	430	400	93	2,920	3,000	103	3,350	3,400	101
Nebraska .....	410	400	98	3,140	3,300	105	3,550	3,700	104
North Carolina .....	820	790	96	7,480	7,210	96	8,300	8,000	96
Ohio .....	190	190	100	2,510	2,410	96	2,700	2,600	96
Oklahoma .....	510	460	90	1,760	1,740	99	2,270	2,200	97
Pennsylvania .....	140	145	104	1,200	1,255	105	1,340	1,400	104
South Dakota .....	300	315	105	1,800	1,865	104	2,100	2,180	104
Texas .....	170	150	88	1,030	1,030	100	1,200	1,180	98
Utah .....	55	30	55	765	260	34	820	290	35
Other States <sup>1</sup> .....	452	454	100	2,413	2,196	91	2,865	2,649	92
United States .....	6,152	6,079	99	67,973	68,241	100	74,125	74,319	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, 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 .....	195	210	55	110	40	65	85	85
Illinois .....	1,320	1,375	1,550	1,445	955	1,040	835	820
Indiana .....	1,090	1,090	1,230	1,290	890	930	890	880
Iowa .....	5,990	6,220	7,650	7,840	5,180	5,260	3,850	4,200
Kansas .....	445	475	440	415	340	355	545	545
Michigan .....	335	335	295	315	225	235	235	250
Minnesota .....	2,780	2,810	2,750	2,690	1,600	1,560	1,160	1,130
Missouri .....	1,320	1,310	540	600	640	660	420	430
Nebraska .....	1,090	1,090	840	910	670	710	540	590
North Carolina .....	3,030	2,950	1,630	1,550	1,410	1,360	1,410	1,350
Ohio .....	790	740	640	610	510	500	570	560
Oklahoma .....	880	875	390	365	190	210	300	290
Pennsylvania .....	335	355	355	395	280	300	230	205
South Dakota .....	785	775	365	390	285	320	365	380
Texas .....	345	350	260	290	150	150	275	240
Utah .....	220	95	180	60	180	50	185	55
Other States <sup>1</sup> .....	943	858	507	481	468	405	495	453
United States .....	21,893	21,913	19,677	19,756	14,013	14,110	12,390	12,463

<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	650	110	4,810	4,850	101	5,400	5,500	102
Indiana .....	250	260	104	4,100	4,190	102	4,350	4,450	102
Iowa .....	920	910	99	22,980	23,190	101	23,900	24,100	101
Kansas .....	165	165	100	1,825	1,745	96	1,990	1,910	96
Michigan .....	110	115	105	1,050	1,145	109	1,160	1,260	109
Minnesota .....	550	480	87	8,350	8,420	101	8,900	8,900	100
Missouri .....	420	430	102	3,030	2,920	96	3,450	3,350	97
Nebraska .....	430	400	93	3,220	3,200	99	3,650	3,600	99
North Carolina .....	810	790	98	7,190	7,510	104	8,000	8,300	104
Ohio .....	190	190	100	2,610	2,560	98	2,800	2,750	98
Oklahoma .....	460	490	107	1,630	1,690	104	2,090	2,180	104
Pennsylvania .....	145	135	93	1,165	1,225	105	1,310	1,360	104
South Dakota .....	265	290	109	1,745	1,820	104	2,010	2,110	105
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	6,104	100	68,321	68,746	101	74,446	74,849	101

<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	1,380	1,575	1,630	1,075	1,015	760	825
Indiana .....	1,040	1,060	1,170	1,220	935	990	955	920
Iowa .....	5,970	6,110	7,290	7,130	5,340	5,580	4,380	4,370
Kansas .....	435	430	450	420	355	320	585	575
Michigan .....	320	350	275	315	210	235	245	245
Minnesota .....	2,800	2,890	2,550	2,500	1,590	1,640	1,410	1,390
Missouri .....	1,430	1,300	550	570	640	640	410	410
Nebraska .....	1,080	1,060	880	890	695	730	565	520
North Carolina .....	2,890	2,960	1,460	1,700	1,355	1,430	1,485	1,420
Ohio .....	730	730	640	670	585	560	655	600
Oklahoma .....	770	830	350	320	170	230	340	310
Pennsylvania .....	320	330	360	380	250	290	235	225
South Dakota .....	670	740	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	21,788	19,005	19,130	14,374	14,800	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 2022-2024

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

State	Sows farrowing				Pigs per litter		Pig crop <sup>1</sup>		
	2022	2023	2024 <sup>2</sup>	2024 as percent of 2023	2022	2023	2022	2023	2023 as percent of 2022
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(number)	(number)	(1,000 head)	(1,000 head)	(percent)
Colorado .....	66	60	64	107	9.90	9.90	653	594	91
Illinois .....	260	280	255	91	10.60	10.60	2,756	2,968	108
Indiana .....	120	125	130	104	10.40	11.25	1,248	1,406	113
Iowa .....	475	480	480	100	11.30	11.45	5,368	5,496	102
Kansas .....	82	80	76	95	10.10	10.25	828	820	99
Michigan .....	52	55	54	98	11.10	10.70	577	589	102
Minnesota .....	260	260	255	98	11.70	11.95	3,042	3,107	102
Missouri .....	220	230	215	93	10.70	10.60	2,354	2,438	104
Nebraska .....	190	180	185	103	11.70	11.25	2,223	2,025	91
North Carolina .....	405	410	400	98	10.50	10.70	4,253	4,387	103
Ohio .....	95	90	95	106	11.50	10.70	1,093	963	88
Oklahoma .....	195	205	200	98	9.65	10.15	1,882	2,081	111
Pennsylvania .....	51	47	49	104	11.40	11.40	581	536	92
South Dakota .....	128	142	150	106	12.55	12.80	1,606	1,818	113
Texas .....	63	73	65	89	10.60	11.40	668	832	125
Utah .....	43	14	14	100	10.60	9.60	456	134	29
Other States <sup>3</sup> .....	214	221	225	102	11.03	10.61	2,359	2,344	99
United States .....	2,919	2,952	2,912	99	10.95	11.02	31,947	32,538	102

<sup>1</sup> Number of pigs born December-February that were still on hand March 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: March-May 2022 and 2023

[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 .....	61	62	102	9.80	10.40	598	645	108
Illinois .....	260	270	104	10.70	11.35	2,782	3,065	110
Indiana .....	120	125	104	10.70	11.10	1,284	1,388	108
Iowa .....	500	460	92	11.45	11.75	5,725	5,405	94
Kansas .....	85	80	94	10.40	10.80	884	864	98
Michigan .....	51	54	106	10.80	11.10	551	599	109
Minnesota .....	265	260	98	11.85	12.10	3,140	3,146	100
Missouri .....	225	220	98	10.70	11.10	2,408	2,442	101
Nebraska .....	185	180	97	11.60	11.40	2,146	2,052	96
North Carolina .....	420	400	95	10.40	11.00	4,368	4,400	101
Ohio .....	90	87	97	11.30	11.30	1,017	983	97
Oklahoma .....	200	205	103	10.20	10.70	2,040	2,194	108
Pennsylvania .....	50	47	94	11.50	11.45	575	538	94
South Dakota .....	135	138	102	12.70	12.90	1,715	1,780	104
Texas .....	61	73	120	10.10	11.20	616	818	133
Utah .....	45	16	36	10.70	10.90	482	174	36
Other States <sup>2</sup> .....	214	224	104	10.76	10.99	2,304	2,458	107
United States .....	2,967	2,901	98	11.00	11.36	32,635	32,951	101

<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 2022 and 2023

[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 .....	65	63	97	10.10	10.40	657	655	100
Illinois .....	270	280	104	10.75	11.60	2,903	3,248	112
Indiana .....	125	125	100	10.85	11.50	1,356	1,438	106
Iowa .....	510	460	90	11.65	11.80	5,942	5,428	91
Kansas .....	85	85	100	10.95	11.20	931	952	102
Michigan .....	55	54	98	10.90	11.10	600	599	100
Minnesota .....	265	260	98	12.10	12.10	3,207	3,146	98
Missouri .....	235	215	91	10.70	12.20	2,515	2,623	104
Nebraska .....	185	185	100	11.25	11.80	2,081	2,183	105
North Carolina .....	430	410	95	10.85	11.30	4,666	4,633	99
Ohio .....	95	95	100	11.40	11.50	1,083	1,093	101
Oklahoma .....	220	205	93	10.20	11.00	2,244	2,255	100
Pennsylvania .....	48	50	104	11.60	11.60	557	580	104
South Dakota .....	144	146	101	12.60	12.60	1,814	1,840	101
Texas .....	81	80	99	9.40	11.40	761	912	120
Utah .....	32	15	47	13.80	11.00	442	165	37
Other States <sup>2</sup> .....	217	221	102	10.76	11.22	2,337	2,479	106
United States .....	3,062	2,949	96	11.13	11.61	34,096	34,229	100

<sup>1</sup> Number of pigs born June-August that were still on hand September 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: September-November 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 .....	70	60	63	105	10.50	10.10	735	606	82
Illinois .....	255	290	255	88	10.70	10.75	2,729	3,118	114
Indiana .....	130	130	130	100	11.10	10.95	1,443	1,424	99
Iowa .....	525	535	490	92	11.45	11.55	6,011	6,179	103
Kansas .....	85	81	72	89	10.80	10.90	918	883	96
Michigan .....	50	56	55	98	11.10	11.10	555	622	112
Minnesota .....	295	280	260	93	11.55	12.00	3,407	3,360	99
Missouri .....	225	230	210	91	11.20	11.25	2,520	2,588	103
Nebraska .....	195	190	185	97	11.70	11.50	2,282	2,185	96
North Carolina .....	415	420	405	96	10.90	11.15	4,524	4,683	104
Ohio .....	106	95	99	104	11.50	11.30	1,219	1,074	88
Oklahoma .....	190	220	200	91	10.65	10.80	2,024	2,376	117
Pennsylvania .....	52	46	50	109	11.40	11.50	593	529	89
South Dakota .....	133	143	148	103	12.50	12.10	1,663	1,730	104
Texas .....	68	80	70	88	10.60	10.00	721	800	111
Utah .....	44	15	13	87	10.50	11.50	462	173	37
Other States <sup>3</sup> .....	211	221	225	102	10.98	10.73	2,317	2,371	102
United States .....	3,049	3,092	2,930	95	11.19	11.22	34,123	34,701	102

<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 4,500 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 September 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 September 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 74.3 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	846	190	2,500	10	10
Pig crop .....	1.9	3.3	488	14	1,502	14	6
Expected farrowings							
Second intentions .....	2.4	4.1	56	2	189	12	8
First intentions .....	2.6	4.5	64	0	182	10	10

## 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 .....	11.36	2023	1970
June-August .....	11.61	2023	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).

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
Kim DaPra – Milk Production and Milk Cows .....	(512) 501-3266
Donnie Fike – Dairy Products .....	(202) 690-3347
Anthony Fischer – Hogs and Pigs .....	(202) 720-3106
Suzanne Richards – Sheep and Goats .....	(202) 720-4448

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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](mailto: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](mailto:nass@usda.gov).

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**USDA Fall Data Users' Meeting**  
**Virtual Meeting**  
**October 17 & 18, 2023**  
**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. NASS is organizing the 2023 Fall Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and 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 17

Agency Updates– *All agencies*

Focus on the 2022 Census of Agriculture - *National Agricultural Statistics Service*

The Use of Weather Information In Producing the WASDE - *World Agricultural Outlook Board*

NASS Historical Revisions and Estimating Program Review - *National Agricultural Statistics Service*

AMS Data Visualizations - *Agricultural Marketing Service*

Day 2 – October 18

Open Forum – *All agencies*

ERS Feed Grains Database: A comprehensive look at this valuable resource – *Economic Research Service*

Understanding Publicly Available Data from USDA-Risk Management Agency – *Risk Management Agency*

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/go/data\\_users](https://www.nass.usda.gov/go/data_users)).