

# Hogs and Pigs



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released September 27, 1991, by the Agricultural Statistics Board. Estimates refer to September 1 and June-August 1991.

## Hog Inventory Up 6 Percent

U.S. inventory of all hogs and pigs on September 1, 1991, is estimated at 59.3 million head. This is a 6 percent increase from last year and 3 percent above September 1, 1989.

*Breeding inventory*, at 7.27 million head, was up 7 percent from a year ago and 6 percent above September 1, 1989.

*Market hog inventory*, at 52.0 million head, increased 6 percent from a year ago and was up 3 percent from September 1, 1989.

The 16 quarterly States, with an inventory of 53.9 million on September 1, 1991, were up 6 percent from last year and 3 percent above September 1, 1989. These 16 states accounted for approximately 91 percent of the total U.S. hog and pig inventory.

The June-August 1991 U.S. pig crop was 24.5 million head, 8 percent more than last year and up 6 percent from the same period in 1989. Sows farrowing during this period totaled 3.11 million head, up 8 percent from last year and 4 percent above 1989. Pigs saved per litter were 7.88 compared to 7.90 during the same period in 1990.

In the 16 quarterly States, the June-August pig crop was 22.2 million head, up 8 percent from last year and up 6 percent from two years ago. There were 2.82 million sows that farrowed during June-August, up 8 percent from a year earlier. Sows farrowing during June-August 1991 in the 16 States averaged 7.88 pigs per litter, compared to 7.89 during the comparable period a year ago.

U.S. producers intend to have 3.07 million sows farrow during the September-November quarter, 8 percent more than the actual farrowings during the same period last year and 10 percent more than in 1989. Farrowings intended for December 1991-February 1992, at 2.90 million sows, are 7 percent above 1991 and up 12 percent from 1990.

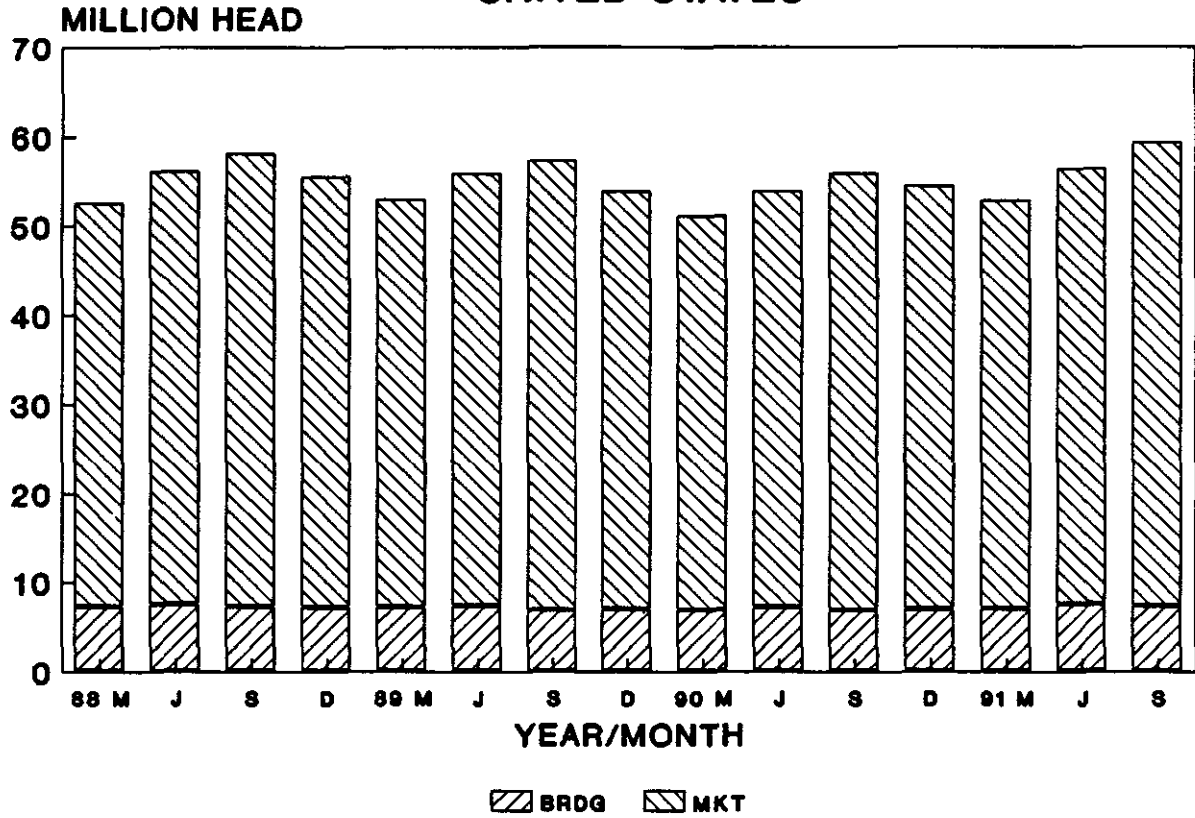
Intentions in the 16 quarterly States for September-November for sows farrowing are 2.80 million head, up 9 percent from the corresponding period last year and 10 percent above two years ago. December 1991-February 1992 intended farrowings, at 2.63 million head are up 8 percent from a year earlier and 12 percent more than in 1990.

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For information, call Doyle Fuchs (202) 447-3106. Office hours are 8:00 a.m. to 4:30 p.m. ET.

MtAn 4 (9-91)

# SEPTEMBER 1 HOGS & PIGS INVENTORY UNITED STATES



This report was approved on September 27, 1991, by the Acting Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.

*Bruce L. Gardner*

Acting Secretary of  
Agriculture  
Bruce L. Gardner

*Rich Allen*

Agricultural Statistics Board  
Chairperson  
Rich Allen

Hogs and Pigs: Inventory Number, March 1, June 1, September 1, December 1,  
1989-91 United States

Item	1989	1990	1991	1991 As % of	
				1989	1990
	----- 1,000 Head -----			- Percent -	
<b>Mar 1 Inventory</b>					
All Hogs and Pigs	52,965	51,150	52,760	100	103
Kept For Breeding	7,081	6,806	6,992	99	103
Market	45,884	44,344	45,768	100	103
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	17,624	16,895	17,663	100	105
60-119 Pounds	10,995	10,602	11,036	100	104
120-179 Pounds	9,493	9,209	9,315	98	101
180 Pounds and Over	7,772	7,638	7,754	100	102
<b>Jun 1 Inventory</b>					
All Hogs and Pigs	55,880	53,850	56,340	101	105
Kept For Breeding	7,315	7,075	7,480	102	106
Market	48,565	46,775	48,860	101	104
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	20,687	19,806	20,720	100	105
60-119 Pounds	12,090	11,718	12,375	102	106
120-179 Pounds	8,785	8,535	8,821	100	103
180 Pounds and Over	7,003	6,716	6,944	99	103
<b>Sep 1 Inventory</b>					
All Hogs and Pigs	57,315	55,940	59,300	103	106
Kept For Breeding	6,832	6,815	7,270	106	107
Market	50,483	49,125	52,030	103	106
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	19,150	18,936	20,105	105	106
60-119 Pounds	12,502	12,218	13,010	104	106
120-179 Pounds	10,559	10,132	10,640	101	105
180 Pounds and Over	8,272	7,839	8,275	100	106
<b>Dec 1 Inventory</b>					
All Hogs and Pigs	53,821	54,462			
Kept For Breeding	6,862	6,867			
Market	46,959	47,595			
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	17,195	17,861			
60-119 Pounds	12,183	12,204			
120-179 Pounds	9,673	9,639			
180 Pounds and Over	7,908	7,891			

Farrowings: Number of Sows, Pig Crop, and Pigs Per Litter,  
1989-92, United States

Item	1989	1990	1991	1992	1991 As % of 1992		
					1989	1990	1991
----- 1,000 Head ----- - Percent -							
<b>Sows Farrowing:</b>							
Dec-Feb <u>1/</u>	2,723	2,600	2,705	<u>2/</u> 2,902	99	104	107
Mar-May	3,318	3,142	3,291		99	105	
Dec-May <u>1/</u>	6,041	5,742	5,996		99	104	
Jun-Aug	2,977	2,879	3,107		104	108	
Sep-Nov	2,798	2,834	<u>2/</u> 3,073		110	108	
Jun-Nov	5,775	5,713	<u>3/</u> 6,180		107	108	
<b>Pig Crop:</b>							
Dec-Feb <u>1/</u>	21,168	20,349	21,283		101	105	
Mar-May	26,070	24,958	26,233		101	105	
Dec-May <u>1/</u>	47,238	45,307	47,516		101	105	
Jun-Aug	23,192	22,737	24,496		106	108	
Sep-Nov	21,644	22,167					
Jun-Nov	44,836	44,904					
<b>Pigs Per Litter:</b>							
			Number				
Dec-Feb <u>1/</u>	7.77	7.83	7.87		101	101	
Mar-May	7.86	7.94	7.97		101	100	
Dec-May <u>1/</u>	7.82	7.89	7.92		101	100	
Jun-Aug	7.79	7.90	7.88		101	100	
Sep-Nov	7.74	7.82					
Jun-Nov	7.76	7.86					

1/ December preceding year.

2/ Intentions.

3/ Actual farrowings for June-August plus intentions for September-November.

Hogs and Pigs: Inventory Number, March 1, June 1, September 1, December 1,  
1989-91 10 States 1/

Item	1989	1990	1991	1991 As % of	
				1989	1990
	----- 1,000 Head -----			- Percent -	
<b>Mar 1 Inventory</b>					
All Hogs and Pigs	41,655	40,190	41,990	101	104
Kept For Breeding	5,445	5,245	5,450	100	104
Market	36,210	34,945	36,540	101	105
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	13,865	13,289	14,040	101	106
60-119 Pounds	8,678	8,335	8,770	101	105
120-179 Pounds	7,545	7,338	7,555	100	103
180 Pounds and Over	6,122	5,983	6,175	101	103
<b>Jun 1 Inventory</b>					
All Hogs and Pigs	44,020	42,630	44,470	101	104
Kept For Breeding	5,550	5,405	5,700	103	105
Market	38,470	37,225	38,770	101	104
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	16,315	15,680	16,360	100	104
60-119 Pounds	9,600	9,325	9,815	102	105
120-179 Pounds	6,995	6,845	7,070	101	103
180 Pounds and Over	5,560	5,375	5,525	99	103
<b>Sep 1 Inventory</b>					
All Hogs and Pigs	45,050	44,120	46,950	104	106
Kept For Breeding	5,320	5,300	5,685	107	107
Market	39,730	38,820	41,265	104	106
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	15,045	14,880	15,885	106	107
60-119 Pounds	9,845	9,580	10,280	104	107
120-179 Pounds	8,430	8,190	8,575	102	105
180 Pounds and Over	6,410	6,170	6,525	102	106
<b>Dec 1 Inventory</b>					
All Hogs and Pigs	42,200	42,900			
Kept For Breeding	5,275	5,257			
Market	36,925	37,643			
<b>Market Hogs and Pigs</b>					
<b>By Weight Groups:</b>					
Under 60 Pounds	13,450	14,105			
60-119 Pounds	9,602	9,693			
120-179 Pounds	7,609	7,600			
180 Pounds and Over	6,264	6,245			

1/ GA, IL, IN, IA, KS, MN, MO, NE, NC, and OH.

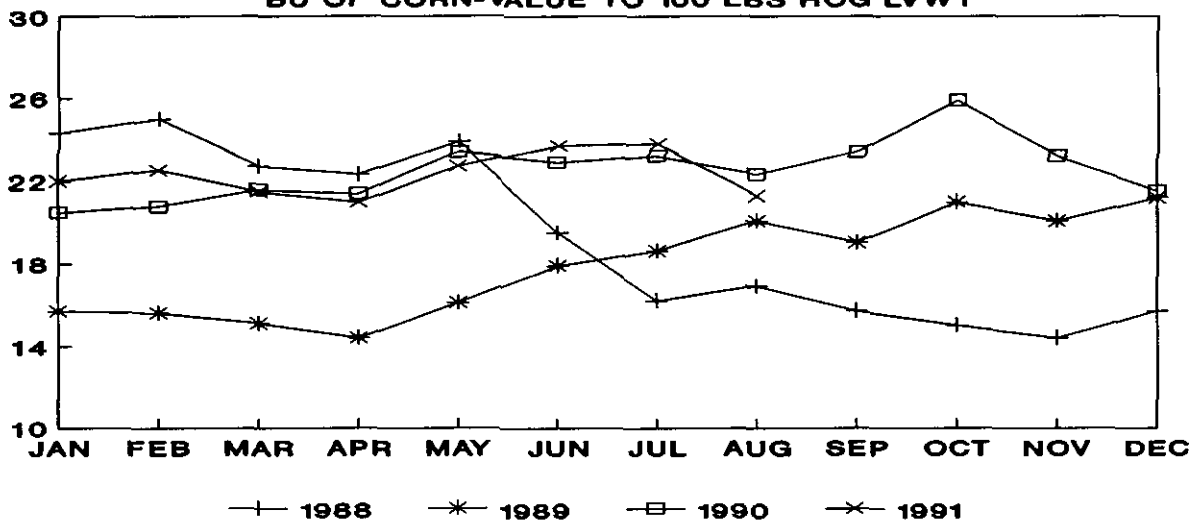
Farrowings: Number of Sows, Pig Crop, and Pigs Per Litter,  
1989-92, 10 States 1/

Item	1989	1990	1991	1992	1991 As % of 1992		
					1989	1990	1991
----- 1,000 Head ----- - Percent -							
<b>Sows Farrowing:</b>							
Dec-Feb <u>2/</u>	2,114	2,028	2,129	<u>3/2,299</u>	101	105	108
Mar-May	2,585	2,458	2,577		100	105	
Dec-May <u>2/</u>	4,699	4,486	4,706		100	105	
Jun-Aug	2,309	2,236	2,441		106	109	
Sep-Nov	2,195	2,238	<u>3/2,433</u>		111	109	
Jun-Nov	4,504	4,474	<u>4/4,874</u>		108	109	
<b>Pig Crop:</b>							
Dec-Feb <u>2/</u>	16,481	15,870	16,770		102	106	
Mar-May	20,348	19,576	20,555		101	105	
Dec-May <u>2/</u>	36,829	35,446	37,325		101	105	
Jun-Aug	18,049	17,684	19,260		107	109	
Sep-Nov	16,929	17,459					
Jun-Nov	34,978	35,143					
<b>Pigs Per Litter:</b>							
			Number				
Dec-Feb <u>2/</u>	7.80	7.83	7.88		101	101	
Mar-May	7.87	7.96	7.98		101	100	
Dec-May <u>2/</u>	7.84	7.90	7.93		101	100	
Jun-Aug	7.82	7.91	7.89		101	100	
Sep-Nov	7.71	7.80					
Jun-Nov	7.77	7.85					

1/ GA, IL, IN, IA, KS, MN, MO, NE, NC, and OH. 2/ December preceding year.  
3/ Intentions. 4/ Actual farrowings for June-August plus intentions for September-November.

**US HOG-CORN PRICE RATIO**

BU OF CORN-VALUE TO 100 LBS HOG LVWT



Hogs and Pigs: Inventory Numbers, Breeding, Market and Total,  
March 1, 1990-91

State	Breeding			Market			Total		
	1991			1991			1991		
	1990	:As % of:	1990	1990	:As % of:	1990	:As % of:	1990	
	: Number:	1990		: Number:	1990		: Number:	1990	
	- 1,000 Head -	Percent	- 1,000 Head -	Percent	- 1,000 Head -	Percent			
GA	165	160	97	1,055	990	94	1,220	1,150	94
IL	690	740	107	4,410	4,760	108	5,100	5,500	108
IN	530	555	105	3,620	3,695	102	4,150	4,250	102
IA	1,650	1,700	103	11,250	11,800	105	12,900	13,500	105
KS	165	180	109	1,195	1,320	110	1,360	1,500	110
MN	550	560	102	3,700	3,790	102	4,250	4,350	102
MO	370	410	111	2,180	2,290	105	2,550	2,700	106
NE	540	540	100	3,610	3,710	103	4,150	4,250	102
NC	315	350	111	2,285	2,550	112	2,600	2,900	112
OH	270	255	94	1,640	1,635	100	1,910	1,890	99
10 St	5,245	5,450	104	34,945	36,540	105	40,190	41,990	104
KY	137	120	88	733	700	95	870	820	94
MI	190	180	95	960	920	96	1,150	1,100	96
PA	104	97	93	846	783	93	950	880	93
SD	245	245	100	1,505	1,465	97	1,750	1,710	98
TN	95	80	84	585	440	75	680	520	76
WI	170	170	100	990	970	98	1,160	1,140	98
16 St	6,186	6,342	103	40,564	41,818	103	46,750	48,160	103
Oth 1/	620	650	105	3,780	3,950	104	4,400	4,600	105
US	6,806	6,992	103	44,344	45,768	103	51,150	52,760	103

1/ Individual State estimates not available for the 34 other States.

Market Hogs and Pigs: Inventory Number, By Weight Groups,  
March 1, 1990-91

State	Under 60 Lbs.		60-119 Lbs.		120-179 Lbs.		180 Lbs and Over	
	1990	1991	1990	1991	1990	1991	1990	1991
	1,000 Head							
GA	435	420	275	260	220	200	125	110
IL	1,620	1,790	1,030	1,170	950	990	810	810
IN	1,400	1,450	885	910	735	730	600	605
IA	4,020	4,270	2,680	2,830	2,520	2,600	2,030	2,100
KS	440	490	290	320	265	285	200	225
MN	1,460	1,520	890	880	720	750	630	640
MO	850	875	510	550	450	460	370	405
NE	1,470	1,530	870	880	690	700	580	600
NC	940	1,045	535	600	445	495	365	410
OH	654	650	370	370	343	345	273	270
10 St	13,289	14,040	8,335	8,770	7,338	7,555	5,983	6,175
KY	301	285	180	175	150	135	102	105
MI	315	300	235	220	220	210	190	190
PA	300	283	218	206	180	165	148	129
SD	570	620	375	350	305	275	255	220
TN	230	195	140	100	110	75	105	70
WI	380	380	219	215	206	200	185	175
16 St	15,385	16,103	9,702	10,036	8,509	8,615	6,968	7,064
Oth 1/	1,510	1,560	900	1,000	700	700	670	690
US	16,895	17,663	10,602	11,036	9,209	9,315	7,638	7,754

1/ Individual State estimates not available for the 34 other States.

Hogs and Pigs: Inventory Numbers, Breeding, Market and Total,  
June 1, 1990-91

State	Breeding			Market			Total		
	1991			1991			1991		
	1990	:As % of:	1990	1990	:As % of:	1990	1990	:As % of:	1990
	Number:	1990		Number:	1990		Number:	1990	
	- 1,000 Head	- Percent	- 1,000 Head	- Percent	- 1,000 Head	- Percent	- 1,000 Head	- Percent	
GA	160	160	100	990	990	100	1,150	1,150	100
IL	700	760	109	4,800	4,840	101	5,500	5,600	102
IN	540	565	105	3,810	3,935	103	4,350	4,500	103
IA	1,680	1,820	108	11,920	12,780	107	13,600	14,600	107
KS	185	180	97	1,345	1,340	100	1,530	1,520	99
MN	600	600	100	4,050	4,050	100	4,650	4,650	100
MO	410	410	100	2,490	2,490	100	2,900	2,900	100
NE	530	570	108	3,670	3,830	104	4,200	4,400	105
NC	320	375	117	2,330	2,775	119	2,650	3,150	119
OH	280	260	93	1,820	1,740	96	2,100	2,000	95
10 St	5,405	5,700	105	37,225	38,770	104	42,630	44,470	104
KY	140	125	89	740	705	95	880	830	94
MI	170	170	100	1,130	1,130	100	1,300	1,300	100
PA	100	100	100	850	790	93	950	890	94
SD	235	260	111	1,555	1,610	104	1,790	1,870	104
TN	90	105	117	510	545	107	600	650	108
WI	165	170	103	935	960	103	1,100	1,130	103
16 St	6,305	6,630	105	42,945	44,510	104	49,250	51,140	104
Oth 1/	770	850	110	3,830	4,350	114	4,600	5,200	113
US	7,075	7,480	106	46,775	48,860	104	53,850	56,340	105

1/ Individual State estimates not available for the 34 other States.

Market Hogs and Pigs: Inventory Number, By Weight Groups,  
June 1, 1990-91

State	Under 60 Lbs.		60-119 Lbs.		120-179 Lbs.		180 Lbs and Over	
	1990	1991	1990	1991	1990	1991	1990	1991
	1,000 Head							
GA	420	430	270	270	195	190	105	100
IL	1,880	1,950	1,180	1,260	980	920	760	710
IN	1,470	1,530	1,010	1,055	730	760	600	590
IA	5,100	5,500	3,050	3,260	2,100	2,250	1,670	1,770
KS	575	510	315	325	255	290	200	215
MN	1,720	1,660	990	1,050	760	760	580	580
MO	1,160	1,170	600	580	390	390	340	350
NE	1,570	1,670	930	960	670	690	500	510
NC	970	1,140	530	625	445	520	385	490
OH	815	800	450	430	320	300	235	210
10 St	15,680	16,360	9,325	9,815	6,845	7,070	5,375	5,525
KY	320	290	185	185	133	130	102	100
MI	575	555	245	240	165	175	145	160
PA	315	285	220	200	180	171	135	134
SD	690	730	380	420	270	255	215	205
TN	215	235	130	140	95	95	70	75
WI	381	395	243	245	167	175	144	145
16 St	18,176	18,850	10,728	11,245	7,855	8,071	6,186	6,344
Oth 1/	1,630	1,870	990	1,130	680	750	530	600
US	19,806	20,720	11,718	12,375	8,535	8,821	6,716	6,944

1/ Individual State estimates not available for the 34 other States.



Hogs and Pigs: Inventory Numbers, Breeding, Market and Total,  
September 1, 1990-91

State	Breeding			Market			Total		
	1991			1991			1991		
	1990	:As % of:	1990	1990	:As % of:	1990	:As % of:	1990	
	Number:	1990	Number:	1990	Number:	1990	Number:	1990	
	- 1,000	Head -	Percent	- 1,000	Head -	Percent	- 1,000	Head -	Percent
GA	160	155	97	990	965	97	1,150	1,120	97
IL	700	770	110	5,000	5,430	109	5,700	6,200	109
IN	550	570	104	3,950	4,130	105	4,500	4,700	104
IA	1,660	1,820	110	13,040	13,980	107	14,700	15,800	107
KS	180	175	97	1,370	1,295	95	1,550	1,470	95
MN	580	630	109	4,220	4,470	106	4,800	5,100	106
MO	400	375	94	2,350	2,375	101	2,750	2,750	100
NE	490	530	108	3,710	3,920	106	4,200	4,450	106
NC	320	410	128	2,380	2,990	126	2,700	3,400	126
OH	260	250	96	1,810	1,710	94	2,070	1,960	95
10 St	5,300	5,685	107	38,820	41,265	106	44,120	46,950	106
KY	135	140	104	765	760	99	900	900	100
MI	165	175	106	1,165	1,175	101	1,330	1,350	102
PA	105	110	105	845	830	98	950	940	99
SD	240	255	106	1,520	1,665	110	1,760	1,920	109
TN	105	95	90	545	575	106	650	670	103
WI	165	170	103	965	1,000	104	1,130	1,170	104
16 St	6,215	6,630	107	44,625	47,270	106	50,840	53,900	106
Oth 1/	600	640	107	4,500	4,760	106	5,100	5,400	106
US	6,815	7,270	107	49,125	52,030	106	55,940	59,300	106

1/ Individual State estimates not available for the 34 other States.

Market Hogs and Pigs: Inventory Number, By Weight Groups,  
September 1, 1990-91

State	Under 60 Lbs.		60-119 Lbs.		120-179 Lbs.		180 Lbs and Over	
	1990	1991	1990	1991	1990	1991	1990	1991
	1,000 Head							
GA	420	390	260	250	185	195	125	130
IL	1,810	2,070	1,260	1,320	1,070	1,110	860	930
IN	1,480	1,515	980	1,040	880	925	610	650
IA	4,700	5,000	3,350	3,700	2,900	3,030	2,090	2,250
KS	510	475	325	315	300	285	235	220
MN	1,730	1,880	1,020	1,100	820	830	650	660
MO	990	985	540	545	430	460	390	385
NE	1,540	1,660	840	890	750	770	580	600
NC	980	1,225	560	680	465	590	375	495
OH	720	685	445	440	390	380	255	205
10 St	14,880	15,885	9,580	10,280	8,190	8,575	6,170	6,525
KY	310	320	205	200	145	140	105	100
MI	400	410	360	360	230	230	175	175
PA	305	305	210	210	180	175	150	140
SD	620	675	385	415	305	340	210	235
TN	240	225	125	145	100	120	80	85
WI	381	395	253	260	182	190	149	155
16 St	17,136	18,215	11,118	11,870	9,332	9,770	7,039	7,415
Oth 1/	1,800	1,890	1,100	1,140	800	870	800	860
US	18,936	20,105	12,218	13,010	10,132	10,640	7,839	8,275

1/ Individual State estimates not available for the 34 other States.

Hogs and Pigs: Inventory Numbers, Breeding, Market and Total,  
December 1, 1989-90

State	Breeding			Market			Total		
	1990			1990			1990		
	1989	As % of	1989	1989	As % of	1989	As % of	1989	
	Number:	1989	Number:	Number:	1989	Number:	Number:	1989	
	- 1,000 Head -	Percent	- 1,000 Head -	Percent	- 1,000 Head -	Percent			
GA	165	160	97	1,035	940	91	1,200	1,100	92
IL	690	710	103	5,010	4,990	100	5,700	5,700	100
IN	535	540	101	3,815	3,860	101	4,350	4,400	101
IA	1,680	1,600	95	11,820	12,200	103	13,500	13,800	102
KS	165	170	103	1,285	1,330	104	1,450	1,500	103
MN	570	560	98	3,880	3,940	102	4,450	4,500	101
MO	360	405	113	2,340	2,395	102	2,700	2,800	104
NE	530	530	100	3,670	3,770	103	4,200	4,300	102
NC	310	330	106	2,260	2,470	109	2,570	2,800	109
OH	270	252	93	1,810	1,748	97	2,080	2,000	96
10 St	5,275	5,257	100	36,925	37,643	102	42,200	42,900	102
KY	145	130	90	830	790	95	975	920	94
MI	175	170	97	1,085	1,080	100	1,260	1,250	99
PA	110	100	91	865	820	95	975	920	94
SD	220	245	111	1,500	1,525	102	1,720	1,770	103
TN	100	90	90	600	530	88	700	620	89
WI	160	175	109	990	1,025	104	1,150	1,200	104
16 St	6,185	6,167	100	42,795	43,413	101	48,980	49,580	101
Oth 1/	677	700	103	4,164	4,182	100	4,841	4,882	101
US	6,862	6,867	100	46,959	47,595	101	53,821	54,462	101

1/ Individual State estimates not available for the 34 other States.

Market Hogs and Pigs: Inventory Number, By Weight Groups,  
December 1, 1989-90

State	Under 60 Lbs.		60-119 Lbs.		120-179 Lbs.		180 Lbs and Over	
	1989	1990	1989	1990	1989	1990	1989	1990
	1,000 Head							
GA	425	385	280	255	200	185	130	115
IL	1,760	1,840	1,250	1,180	1,080	1,070	920	900
IN	1,320	1,340	1,035	1,055	810	820	650	645
IA	4,150	4,400	3,200	3,270	2,400	2,450	2,070	2,080
KS	465	500	320	350	290	265	210	215
MN	1,420	1,480	1,000	1,020	800	810	660	630
MO	900	985	590	600	485	455	365	355
NE	1,420	1,460	950	960	720	740	580	610
NC	930	1,055	515	565	435	455	380	395
OH	660	660	462	438	389	350	299	300
10 St	13,450	14,105	9,602	9,693	7,609	7,600	6,264	6,245
KY	335	306	205	198	165	156	125	130
MI	390	330	235	250	240	255	220	245
PA	310	287	225	215	180	177	150	141
SD	558	610	405	380	302	300	235	235
TN	230	210	155	130	115	110	100	80
WI	360	375	268	265	195	210	167	175
16 St	15,633	16,223	11,095	11,131	8,806	8,808	7,261	7,251
Oth 1/	1,562	1,638	1,088	1,073	867	831	647	640
US	17,195	17,861	12,183	12,204	9,673	9,639	7,908	7,891

1/ Individual State estimates not available for the 34 other States.

Farrowings: Number of Sows, Pigs Per Litter, and Pig Crop,  
December - February 1990-92 1/

State	Sows Farrowing				Pigs		Pig Crop <u>2/</u>		
			1992 <u>3/</u>	Per Litter		1991			
	1990	1991	:As % of: Number: 1991	1990	1991	1990	:As % of Number: 1990	1991	
	----- 1,000 Head	-----	Percent	Number	--	1,000 Head	Percent		
GA	64	60	60	100	7.80	8.00	499	480	96
IL	250	270	300	111	7.60	7.60	1,900	2,052	108
IN	215	230	240	104	7.70	7.85	1,656	1,806	109
IA	620	650	700	108	7.70	7.75	4,774	5,038	106
KS	67	74	74	100	8.00	7.90	536	585	109
MN	220	230	250	109	8.20	8.10	1,804	1,863	103
MO	130	140	140	100	7.70	7.70	1,001	1,078	108
NE	210	220	235	107	7.90	8.00	1,659	1,760	106
NC	150	165	200	121	8.10	8.25	1,215	1,361	112
OH	102	90	100	111	8.10	8.30	826	747	90
10 St	2,028	2,129	2,299	108	7.83	7.88	15,870	16,770	106
KY	49	46	48	104	7.25	7.70	355	354	100
MI	47	45	50	111	8.10	7.90	381	356	93
PA	41	38	43	113	7.90	8.20	324	312	96
SD	84	91	94	103	8.20	8.10	689	737	107
TN	35	33	35	106	7.80	7.60	273	251	92
WI	65	63	63	100	7.85	7.95	510	501	98
16 St	2,349	2,445	2,632	108	7.83	7.89	18,402	19,281	105
Oth <u>4/</u>	251	260	270	104	7.76	7.70	1,947	2,002	103
US	2,600	2,705	2,902	107	7.83	7.87	20,349	21,283	105

1/ December preceding year.

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

3/ Intentions.

4/ Individual State estimates not available for the 34 other States.

Farrowings: Number of Sows, Pigs Per Litter, and Pig Crop,  
March - May 1990-91

State	Sows Farrowing			Pigs		Pig Crop <u>1/</u>		
	1991			Per Litter		1991		
	1990	As % of:		1990	1991	1990	As % of:	
	Number	1990		Number		Number	1990	
	- 1,000 Head -	Percent		--- Number ---		-- 1,000 Head --	Percent	
GA	63	65	103	7.80	7.75	491	504	103
IL	320	340	106	7.70	7.60	2,464	2,584	105
IN	240	255	106	8.10	8.10	1,944	2,066	106
IA	790	850	108	7.90	7.95	6,241	6,758	108
KS	88	77	88	8.00	7.90	704	608	86
MN	270	265	98	8.20	8.25	2,214	2,186	99
MO	180	185	103	7.75	7.60	1,395	1,406	101
NE	230	250	109	8.10	7.95	1,863	1,988	107
NC	160	175	109	8.20	8.70	1,312	1,523	116
OH	117	115	98	8.10	8.10	948	932	98
10 St	2,458	2,577	105	7.96	7.98	19,576	20,555	105
KY	53	47	89	7.70	7.75	408	364	89
MI	89	83	93	7.80	7.90	694	656	95
PA	48	40	83	8.10	8.40	389	336	86
SD	114	126	111	7.95	8.00	906	1,008	111
TN	33	40	121	7.70	7.50	254	300	118
WI	65	68	105	7.90	7.85	514	534	104
16 St	2,860	2,981	104	7.95	7.97	22,741	23,753	104
Oth <u>2/</u>	282	310	110	7.86	8.00	2,217	2,480	112
US	3,142	3,291	105	7.94	7.97	24,958	26,233	105

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.

Farrowings: Number of Sows, Pigs Per Litter, and Pig Crop,  
June - August 1990-91

State	Sows Farrowing			Pigs		Pig Crop <u>1/</u>		
	1990	1991	As % of:	Per Litter	1990	1991	As % of	
	Number	Number	1990	1990 : 1991	Number	Number	1990	
	- 1,000 Head --	Percent	-- Number ---	-- 1,000 Head --	Percent			
GA	58	57	98	7.90	7.65	458	436	95
IL	300	340	113	7.70	7.80	2,310	2,652	115
IN	230	245	107	8.05	7.85	1,852	1,923	104
IA	710	800	113	7.90	7.70	5,609	6,160	110
KS	77	74	96	7.95	7.85	612	581	95
MN	250	270	108	8.00	8.20	2,000	2,214	111
MO	150	155	103	7.50	7.45	1,125	1,155	103
NE	205	220	107	8.00	8.10	1,640	1,782	109
NC	150	180	120	8.20	8.65	1,230	1,557	127
OH	106	100	94	8.00	8.00	848	800	94
10 St	2,236	2,441	109	7.91	7.89	17,684	19,260	109
KY	50	50	100	7.60	7.85	380	393	103
MI	74	72	97	7.65	7.80	566	562	99
PA	42	39	93	7.80	8.20	328	320	98
SD	98	108	110	7.95	7.95	779	859	110
TN	40	40	100	7.80	7.20	312	288	92
WI	65	67	103	7.80	7.80	507	523	103
16 St	2,605	2,817	108	7.89	7.88	20,556	22,205	108
Oth <u>2/</u>	274	290	106	7.96	7.90	2,181	2,291	105
US	2,879	3,107	108	7.90	7.88	22,737	24,496	108

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.

Farrowings: Number of Sows, Pigs Per Litter, and Pig Crop,  
September - November 1989-91

State	Sows Farrowing				Pigs		Pig Crop <u>1/</u>			
	1989	1990	1991 <u>2/</u>		Per Litter		1989	1990		
			Number	:As % of: 1990	1989	1990		Number	:As % of 1989	
	-----	1,000 Head	-----	Percent	--	Number	--	1,000 Head	-----	Percent
GA	60	55	55	100	7.90	7.70	474	424	89	
IL	300	310	350	113	7.50	7.55	2,250	2,341	104	
IN	220	220	230	105	7.90	8.00	1,738	1,760	101	
IA	680	700	750	107	7.60	7.70	5,168	5,390	104	
KS	72	74	73	99	7.80	7.90	562	585	104	
MN	230	225	255	113	7.90	8.20	1,817	1,845	102	
MO	160	175	180	103	7.45	7.20	1,192	1,260	106	
NE	225	220	240	109	7.75	7.90	1,744	1,738	100	
NC	150	160	200	125	8.00	8.40	1,200	1,344	112	
OH	98	99	100	101	8.00	7.80	784	772	98	
10 St	2,195	2,238	2,433	109	7.71	7.80	16,929	17,459	103	
KY	53	47	50	106	7.50	7.90	398	371	93	
MI	60	52	60	115	7.80	8.10	468	421	90	
PA	42	40	44	110	8.10	8.10	340	324	95	
SD	93	100	115	115	7.60	7.85	707	785	111	
TN	38	34	36	106	7.70	7.70	293	262	89	
WI	65	63	65	103	7.90	7.80	514	491	96	
16 St	2,546	2,574	2,803	109	7.72	7.81	19,649	20,113	102	
Oth <u>3/</u>	252	260	270	104	7.92	7.90	1,995	2,054	103	
US	2,798	2,834	3,073	108	7.74	7.82	21,644	22,167	102	

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.

## Reliability of September 1 Hogs and Pigs Estimates

**Survey Procedures:** Primary data used to determine these estimates were obtained from a sample of producers from across the U.S. using probability surveys. These procedures ensure that all hog and pig producers, regardless of size, had a chance being included in the survey. Data were collected from about 70,000 operators sampled from a list of producers and from operators of 8,000 small land area tracts. Information was collected during the first half of September by mail, telephone, and face-to-face personal interviews. Regardless of when operators responded, they were asked to report inventories as of September 1.

**Estimation Procedures:** These hog and pig estimates were prepared by the Agricultural Statistics Board. National and State survey data were reviewed for reasonableness with each other and with historical estimates. In addition, a balance sheet was constructed to provide a check on the estimates. The balance sheet contains estimates of inventory, births and deaths and administrative data on slaughter, imports and exports.

**Revision Policy:** Revisions to historic estimates are made to improve quarter to quarter relationships of estimates such as market hogs and pig crop or relationships with slaughter. Estimates for the previous quarter are subject to revision when current estimates are made. In September, estimates for the previous June are reviewed and estimates for all quarters for the previous two years are reviewed in December. These reviews are primarily based on hog check-off receipts and livestock slaughter. Estimates will also be reviewed after data for the five-year Census of Agriculture conducted by the Department of Commerce 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. This variability, as measured by relative standard error, is approximately 1.9 percent at the U.S. level for hog inventory. This means that chances are approximately 95 out of 100 that survey estimates for hog inventory will be within plus or minus 3.8 percent of the value that could be developed by averaging the estimates produced from all possible samples drawn from the same population and surveyed using the same procedures. The relative standard errors for estimates of major groupings of market and breeding hogs were 2.0 and 2.4 percent, respectively. The relative standard error for the individual market hog weight groups ranged from 2.3 to 2.7 percent. The sampling variability of survey estimates of intended farrowings is slightly larger than that for inventory estimates. More importantly, actual farrowings may differ significantly from intentions due to changes in economic and environmental conditions.

Survey estimates are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of estimates in this report, a statistical measure based on past performance, the "Root Mean Square Error" is shown for selected items. It is computed by expressing the deviations between the initial estimates and the final estimates as a percent of the final estimates and averaging the squared deviations for the last 10 quarters; the square root of this average is the "Root Mean Square Error". Probability statements can be made concerning expected differences in the current estimates and the final estimates, assuming factors affecting this year's estimates are not different from those influencing recent years. The "Root Mean Square Error" for the hog inventory estimates is 0.9 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 59,300,000 head by more than 0.9 percent or about 533,700 head. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.7 percent or about 1,008,000 head.

Also shown in the table is a 10 quarter record for items showing the range of differences between the first inventory estimate and the final estimate. Using estimates for all hogs as an example, changes between the first inventory estimate and the final estimate during the past 10 quarters have averaged 137,000 head, ranging from 31,000 to 1,130,000 head. The inventory estimate has been below the final estimate 4 times and above 6 times in the last 10 quarters. This does not imply that the September 1 estimate this year is likely to understate or overstate final inventory. For most items, the number of quarters the initial estimates have been below or above the final estimate is about equally distributed.

#### Reliability of September 1 Hog Estimates

	: Root Mean Square Error : : 1/ :	: 90% Confidence Level :	: Difference Between : : First and Final : : Estimates 2/ :			: Number of : : Quarters :		
			: Average :	: Smallest :	: Largest :	: First Above : : Final :	: First Below : : Final :	
	: --Percent-- :		: -----1,000 Head----- :			: --Number-- :		
All Hogs & Pigs	: 0.9 :	: 1.7 :	: 1,008 :	: -137 :	: -31 :	: -1130 :	: 6 :	: 4 :
Pig Crop	: 1.3 :	: 2.3 :	: 563 :	: 65 :	: 48 :	: -562 :	: 3 :	: 7 :
Expected Farrowings	:	:	:	:	:	:	:	:
Next Quarter Intentions	: 3.2 :	: 5.9 :	: 181 :	: 9 :	: -20 :	: 170 :	: 6 :	: 4 :
Following Quarter Intentions	: 3.7 :	: 6.8 :	: 197 :	: 29 :	: -6 :	: 220 :	: 4 :	: 6 :

1/ Based on quarterly data from March 1989 through June 1991.

2/ Records for the past 10 quarters.



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