

Hogs and Pigs



National
Agricultural
Statistics
Service

United States
Department of
Agriculture

Washington, D.C.

Released June 28, 1991, by the Agricultural Statistics Board. Estimates refer to June 1 and March-May 1991.

Hog Inventory Increases

U.S. inventory of all hogs and pigs on June 1, 1991 is estimated at 56.3 million head. This is a 5 percent increase from last year and 1 percent above June 1, 1989.

Breeding inventory, at 7.47 million head, is 6 percent above last year and 2 percent above two years ago.

Market hog inventory, at 48.8 million head, is 4 percent above a year ago and 1 percent above June 1, 1989.

The 16 quarterly States, with an inventory of 51.1 million head on June 1, 1991, are up 4 percent from last year but fractionally below June 1, 1989. These 16 states accounted for approximately 91 percent of the total U.S. hog and pig inventory.

The December 1990-May 1991 U.S. pig crop was 47.5 million head, 5 percent more than last year and slightly above the same period in 1989. Sows farrowing during the six month period totaled 5.99 million, up 4 percent from last year but 1 percent below the same period in 1989. Pigs saved per litter was 7.92, a new record high for the period, compared with 7.89 last year and 7.82 two years ago. The March-May U.S. pig crop was 26.2 million head, 5 percent above a year earlier.

In the 16 quarterly States, the December-May pig crop was 43.0 million head, 4 percent above last year and up slightly from 1989. The March-May pig crop totaled 23.7 million head, 4 percent higher than the past year but down fractionally from two years ago.

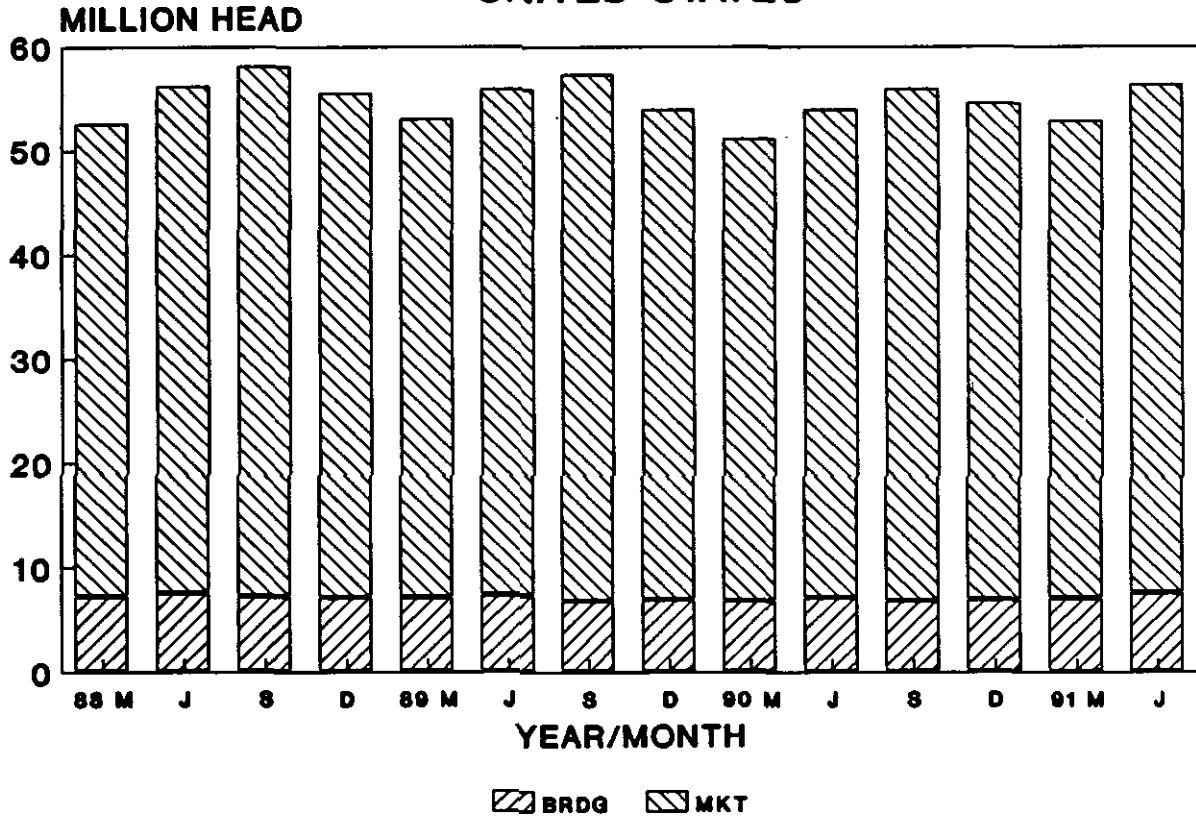
U.S. hog producers intend to have 6.09 million sows farrow during the June-November period, a 7 percent increase from the actual sows farrowed during the same period in 1990 and 5 percent above two years ago. Farrowings for June-August are expected to be up 7 percent from last year and September-November farrowings are expected to be 6 percent above a year earlier.

Intentions in the 16 quarterly States for June-November are 5.52 million head, up 7 percent from the corresponding period last year and 5 percent above two years ago. June-August intended farrowings, at 2.79 million head are up 7 percent from the comparable quarter in 1990. September-November intended farrowings, at 2.73 million head, are 6 percent above last year.

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

MtAn 4 (06-91)

JUNE 1 HOGS & PIGS INVENTORY UNITED STATES



This report was approved on June 28, 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	
	1,000 Head			Percent			1989		1990		
March 1 Inventory											
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						
Market Hogs and Pigs											
By Weight Groups:											
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						
June 1 Inventory											
All Hogs and Pigs	55,880	53,850	56,290	101	105						
Kept For Breeding	7,315	7,075	7,470	102	106						
Market	48,565	46,775	48,820	101	104						
Market Hogs and Pigs											
By Weight Groups:											
Under 60 Pounds	20,687	19,806	20,700	100	105						
60-119 Pounds	12,090	11,718	12,355	102	105						
120-179 Pounds	8,785	8,535	8,806	100	103						
180 Pounds and Over	7,003	6,716	6,959	99	104						
September 1 Inventory											
All Hogs and Pigs	57,315	55,940									
Kept For Breeding	6,832	6,815									
Market	50,483	49,125									
Market Hogs and Pigs											
By Weight Groups:											
Under 60 Pounds	19,150	18,936									
60-119 Pounds	12,502	12,218									
120-179 Pounds	10,559	10,132									
180 Pounds and Over	8,272	7,839									
December 1 Inventory											
All Hogs and Pigs	53,821	54,462									
Kept For Breeding	6,862	6,867									
Market	46,959	47,595									
Market Hogs and Pigs											
By Weight Groups:											
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,
1989-91, United States

Item	1989	1990	1991	1991 As % of	
				1989	1990
	1,000 Head			Percent	
Sows Farrowing:					
December-February <u>1/</u>	2,723	2,600	2,705	99	104
March-May	3,318	3,142	3,285	99	105
December-May <u>1/</u>	6,041	5,742	5,990	99	104
June-August	2,977	2,879	3,078 <u>2/</u>	103	107
September-November	2,798	2,834	3,013 <u>2/</u>	108	106
June-November	5,775	5,713	6,091 <u>2/</u>	105	107
Pig Crop:					
December-February <u>1/</u>	21,168	20,349	21,283	101	105
March-May	26,070	24,958	26,185	100	105
December-May <u>1/</u>	47,238	45,307	47,468	100	105
June-August	23,192	22,737			
September-November	21,644	22,167			
June-November	44,836	44,904			
Pigs Per Litter:					
		Number			
December-February <u>1/</u>	7.77	7.83	7.87	101	101
March-May	7.86	7.94	7.97	101	100
December-May <u>1/</u>	7.82	7.89	7.92	101	100
June-August	7.79	7.90			
September-November	7.74	7.82			
June-November	7.76	7.86			

1/ December preceding year.
2/ Intentions.

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	
March 1 Inventory					
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
Market Hogs and Pigs					
By Weight Groups:					
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
June 1 Inventory					
All Hogs and Pigs	44,020	42,630	44,520	101	104
Kept For Breeding	5,550	5,405	5,700	103	105
Market	38,470	37,225	38,820	101	104
Market Hogs and Pigs					
By Weight Groups:					
Under 60 Pounds	16,315	15,680	16,385	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	5,550	100	103
September 1 Inventory					
All Hogs and Pigs	45,050	44,120			
Kept For Breeding	5,320	5,300			
Market	39,730	38,820			
Market Hogs and Pigs					
By Weight Groups:					
Under 60 Pounds	15,045	14,880			
60-119 Pounds	9,845	9,580			
120-179 Pounds	8,430	8,190			
180 Pounds and Over	6,410	6,170			
December 1 Inventory					
All Hogs and Pigs	42,200	42,900			
Kept For Breeding	5,275	5,257			
Market	36,925	37,643			
Market Hogs and Pigs					
By Weight Groups:					
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/ Georgia, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Carolina, and Ohio.

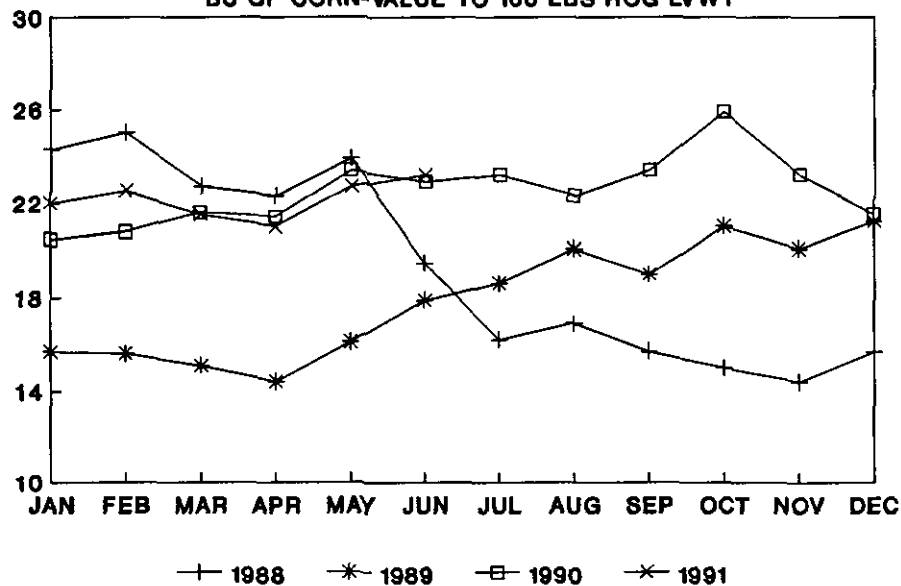
Farrowings: Number Of Sows, Pig Crop, and Pigs Per Litter,
1989-91, 10 States 1/

Item	1989	1990	1991	1991 As % of	
				1989	1990
	1,000 Head			Percent	
Sows Farrowing:					
December-February 2/	2,114	2,028	2,129	101	105
March-May	2,585	2,458	2,577	100	105
December-May 2/	4,699	4,486	4,706	100	105
June-August	2,309	2,236	2,413 3/	105	108
September-November	2,195	2,238	2,373 3/	108	106
June-November	4,504	4,474	4,786 3/	106	107
Pig Crop:					
December-February 2/	16,481	15,870	16,770	102	106
March-May	20,348	19,576	20,555	101	105
December-May 2/	36,829	35,446	37,325	101	105
June-August	18,049	17,684			
September-November	16,929	17,459			
June-November	34,978	35,143			
Pigs Per Litter:		Number			
December-February 2/	7.80	7.83	7.88	101	101
March-May	7.87	7.96	7.98	101	100
December-May 2/	7.84	7.90	7.93	101	100
June-August	7.82	7.91			
September-November	7.71	7.80			
June-November	7.77	7.85			

1/ Georgia, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Carolina, and Ohio. 2/ December preceding year. 3/ Intentions.

US HOG-CORN PRICE RATIO

BU OF CORN-VALUE TO 100 LBS HOG LVWT



Hogs and Pigs: Inventory Number, 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:	Number:	1990	Number:	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 Number, Breeding, Market, and Total,
June 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	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	3,985	105	4,350	4,550	105
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	38,820	104	42,630	44,520	104
KY	140	125	89	740	705	95	880	830	94
MI	170	160	94	1,130	1,040	92	1,300	1,200	92
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	6,620	105	42,945	44,470	104	49,250	51,090	104
OTH 1/	770	850	110	3,830	4,350	114	4,600	5,200	113
US	7,075	7,470	106	46,775	48,820	104	53,850	56,290	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	
	1,000 Head		1,000 Head		1,000 Head		1,000 Head	
	1990	1991	1990	1991	1990	1991	1990	1991
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	1,555	1,010	1,055	730	760	600	615
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	16,385	9,325	9,815	6,845	7,070	5,375	5,550
KY	320	290	185	185	133	130	102	100
MI	575	510	245	220	165	160	145	150
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	18,830	10,728	11,225	7,855	8,056	6,186	6,359
OTH 1/	1,630	1,870	990	1,130	680	750	530	600
US	19,806	20,700	11,718	12,355	8,535	8,806	6,716	6,959

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

Hogs and Pigs: Inventory Number, Breeding, Market, and Total,
September 1, 1989-90

State	Breeding			Market			Total		
	1990			1990			1990		
	1989	As % of Number:	1989	1989	As % of Number:	1989	As % of Number:	1989	As % of Number:
	1,000 Head	Percent	1,000 Head	Percent	1,000 Head	Percent	1,000 Head	Percent	
GA	170	160	94	1,080	990	92	1,250	1,150	92
IL	700	700	100	5,400	5,000	93	6,100	5,700	93
IN	550	550	100	3,950	3,950	100	4,500	4,500	100
IA	1,640	1,660	101	12,960	13,040	101	14,600	14,700	101
KS	175	180	103	1,375	1,370	100	1,550	1,550	100
MN	590	580	98	4,360	4,220	97	4,950	4,800	97
MO	385	400	104	2,415	2,350	97	2,800	2,750	98
NE	510	490	96	3,840	3,710	97	4,350	4,200	97
NC	315	320	102	2,385	2,380	100	2,700	2,700	100
OH	285	260	91	1,965	1,810	92	2,250	2,070	92
10 ST	5,320	5,300	100	39,730	38,820	98	45,050	44,120	98
KY	150	135	90	875	765	87	1,025	900	88
MI	160	165	103	1,140	1,165	102	1,300	1,330	102
PA	105	105	100	915	845	92	1,020	950	93
SD	212	240	113	1,538	1,520	99	1,750	1,760	101
TN	115	105	91	685	545	80	800	650	81
WI	170	165	97	1,000	965	97	1,170	1,130	97
16 ST	6,232	6,215	100	45,883	44,625	97	52,115	50,840	98
OTH 1/	600	600	100	4,600	4,500	98	5,200	5,100	98
US	6,832	6,815	100	50,483	49,125	97	57,315	55,940	98

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

Market Hogs and Pigs: Inventory Number, By Weight Groups,
September 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	470	420	290	260	195	185	125	125
IL	1,880	1,810	1,320	1,260	1,220	1,070	980	860
IN	1,500	1,480	970	980	880	880	600	610
IA	4,570	4,700	3,410	3,350	2,900	2,900	2,080	2,090
KS	500	510	325	325	300	300	250	235
MN	1,795	1,730	1,050	1,020	825	820	690	650
MO	1,020	990	560	540	445	430	390	390
NE	1,560	1,540	885	840	790	750	605	580
NC	950	980	570	560	475	465	390	375
OH	800	720	465	445	400	390	300	255
10 ST	15,045	14,880	9,845	9,580	8,430	8,190	6,410	6,170
KY	378	310	222	205	160	145	115	105
MI	390	400	360	360	220	230	170	175
PA	335	305	230	210	190	180	160	150
SD	540	620	413	385	330	305	255	210
TN	270	240	175	125	140	100	100	80
WI	392	381	257	253	189	182	162	149
16 ST	17,350	17,136	11,502	11,118	9,659	9,332	7,372	7,039
OTH 1/	1,800	1,800	1,000	1,100	900	800	900	800
US	19,150	18,936	12,502	12,218	10,559	10,132	8,272	7,839

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

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

State	Breeding			Market			Total		
	1990			1990			1990		
	1989	As % of Number:	1989	1989	As % of Number:	1989	1989	As % of Number:	1989
	1,000 Head	Percent	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 1990-91 1/

State	Sows Farrowing			Pigs Per Litter		Pig Crop 2/		
	1991		:As % of: 1990	1991		1991		:As % of 1990
	1990	Number		1990	1991	1990	Number	
	1,000 Head	Percent	Number	Number	1,000 Head	Percent		
GA	64	60	94	7.80	8.00	499	480	96
IL	250	270	108	7.60	7.60	1,900	2,052	108
IN	215	230	107	7.70	7.85	1,656	1,806	109
IA	620	650	105	7.70	7.75	4,774	5,038	106
KS	67	74	110	8.00	7.90	536	585	109
MN	220	230	105	8.20	8.10	1,804	1,863	103
MO	130	140	108	7.70	7.70	1,001	1,078	108
NE	210	220	105	7.90	8.00	1,659	1,760	106
NC	150	165	110	8.10	8.25	1,215	1,361	112
OH	102	90	88	8.10	8.30	826	747	90
10 ST	2,028	2,129	105	7.83	7.88	15,870	16,770	106
KY	49	46	94	7.25	7.70	355	354	100
MI	47	45	96	8.10	7.90	381	356	93
PA	41	38	93	7.90	8.20	324	312	96
SD	84	91	108	8.20	8.10	689	737	107
TN	35	33	94	7.80	7.60	273	251	92
WI	65	63	97	7.85	7.95	510	501	98
16 ST	2,349	2,445	104	7.83	7.89	18,402	19,281	105
OTH 3/	251	260	104	7.76	7.70	1,947	2,002	103
US	2,600	2,705	104	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/ 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 Per Litter		Pig Crop 1/		
	1990	1991	:As % of:	1990	1991	1990	1991	:As % of
	Number	Number	1990	Number	Number	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	77	87	7.80	7.90	694	608	88
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	2,975	104	7.95	7.97	22,741	23,705	104
OTH 2/	282	310	110	7.86	8.00	2,217	2,480	112
US	3,142	3,285	105	7.94	7.97	24,958	26,185	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 1989-91

State	Sows Farrowing				Pigs		Pig Crop 1/		
	1989	1990	1991 2/		Per Litter		1989	1990	
			Number	:As % of: 1990	1989	1990		Number	:As % of 1989
	1,000 Head		Percent	Number		1,000 Head	Percent		
GA	64	58	62	107	7.90	7.90	506	458	91
IL	310	300	340	113	7.70	7.70	2,387	2,310	97
IN	240	230	250	109	7.85	8.05	1,884	1,852	98
IA	710	710	775	109	7.80	7.90	5,538	5,609	101
KS	77	77	76	99	7.85	7.95	604	612	101
MN	260	250	255	102	7.90	8.00	2,054	2,000	97
MO	155	150	155	103	7.50	7.50	1,163	1,125	97
NE	215	205	220	107	7.75	8.00	1,666	1,640	98
NC	150	150	175	117	8.15	8.20	1,223	1,230	101
OH	128	106	105	99	8.00	8.00	1,024	848	83
10 ST	2,309	2,236	2,413	108	7.82	7.91	18,049	17,684	98
KY	61	50	47	94	7.40	7.60	451	380	84
MI	75	74	68	92	7.75	7.65	581	566	97
PA	44	42	41	98	8.25	7.80	363	328	90
SD	89	98	110	112	7.70	7.95	685	779	114
TN	48	40	44	110	7.60	7.80	365	312	85
WI	68	65	65	100	7.80	7.80	530	507	96
16 ST	2,694	2,605	2,788	107	7.80	7.89	21,024	20,556	98
OTH 3/	283	274	290	106	7.66	7.96	2,168	2,181	101
US	2,977	2,879	3,078	107	7.79	7.90	23,192	22,737	98

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

2/ Intentions.

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

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

State	Sows Farrowing				Pigs		Pig Crop 1/		
	1989		1990		Per Litter		1990		
	:As % of:		:As % of:		:		:As % of:		
	1,000 Head	Percent	Number	1,000 Head	Percent	Number	1,000 Head	Percent	Number
GA	60	55	60	109	7.90	7.70	474	424	89
IL	300	310	340	110	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	735	105	7.60	7.70	5,168	5,390	104
KS	72	74	73	99	7.80	7.90	562	585	104
MN	230	225	235	104	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	180	113	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	2,373	106	7.71	7.80	16,929	17,459	103
KY	53	47	47	100	7.50	7.90	398	371	93
MI	60	52	55	106	7.80	8.10	468	421	90
PA	42	40	43	108	8.10	8.10	340	324	95
SD	93	100	110	110	7.60	7.85	707	785	111
TN	38	34	40	118	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	2,733	106	7.72	7.81	19,649	20,113	102
OTH 3/	252	260	280	108	7.92	7.90	1,995	2,054	103
US	2,798	2,834	3,013	106	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 other 34 States.

Reliability of June 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 to be included in the survey. Data were collected from about 73,036 operators sampled from a list of producers and from operators of 21,601 small land area tracts. Information was collected during the first half of June by mail, telephone, and face-to-face personal interviews. Regardless of when operators responded, they were asked to report inventories as of June 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 June, estimates for the previous December and March 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 1.7 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 3.4 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 1.8 and 1.7 percent, respectively. The relative standard error for the individual market hog weight groups ranged from 2.0 to 2.4 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 56,290,000 head by more than 0.9 percent or about 506,610 head. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.7 percent or about 956,930 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 125,000 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 June 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 June 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	: 957	: -125	: -31	: -1130	: 6	: 4
Pig Crop	: 1.3	: 2.5	: 655	: 91	: 49	: -562	: 3	: 7
Expected Farrowings	:	:	:	:	:	:	:	:
Next Quarter	: 2.8	: 5.1	: 157	: -14	: -20	: 133	: 7	: 3
Following Quarter	: 3.7	: 6.8	: 205	: 19	: -6	: 214	: 5	: 5

1/ Based on quarterly data from December 1988 through March 1991.

2/ Records for the past 10 quarters.

The next Hogs and Pigs report will be released on September 27, 1991 at 3:00 p.m. ET.

Subscription Information: To subscribe to NASS reports or to order single copies, call toll free, 1-800-999-6779 (weekdays 8:30 a.m. - 5:00 p.m. ET). You may write: ERS/NASS, P.O. Box 1608, Rockville, MD. 20849-1608.

