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# Hogs and Pigs

 Agricultural  
Statistics  
Board  
National Agricultural  
Statistics Service

United States  
Department of  
Agriculture

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## INVENTORY UP 9 PERCENT

Inventory of all hogs and pigs on September 1, 1987, in the 10 States conducting quarterly hog surveys is estimated at 42.8 million head, 9 percent above last year, according to the Agricultural Statistics Board. This is 2 percent larger than September 1, 1985 and the highest September 1 inventory since 1984.

- Breeding inventory, at 5.30 million head, is 9 percent above a year ago, but 2 percent below two years earlier.
- Market hog inventory, at 37.5 million head, is 9 percent above last year, 3 percent larger than 1985 and the highest September 1 market hog inventory since 1984.

## PIG CROP

The June-August 1987 pig crop was 17.5 million head, 11 percent above last year and 3 percent more than two years ago. There were 2.26 million sows that farrowed during June-August, up 11 percent from a year earlier and 3 percent more than the same period two years ago.

Sows farrowing during June-August 1987 averaged 7.75 pigs per litter compared with 7.79 last year and 7.73 during the comparable period two years ago.

## FARROWING INTENTIONS

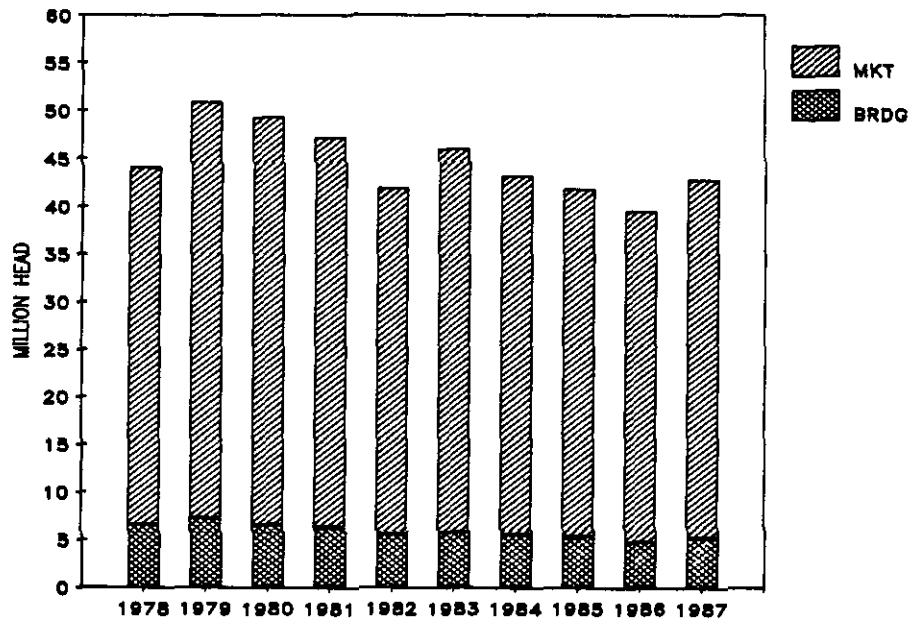
Hog producers in the 10 Quarterly States intend to farrow 2.31 million sows during September-November of this year. This is up 7 percent from the actual farrowings during the comparable period in 1986, and 2 percent above 1985.

Farrowing intentions for the December 1987-February 1988 quarter are 2.11 million head, 8 percent above a year earlier and 13 percent more than two years earlier.

## REVISIONS

The June 1, 1987 all hogs and pigs inventory in the 10 States was revised downward 1 percent to 40.6 million head. Currently, the March 1, 1987 inventory of all hogs and pigs and the December 1986-February 1987 pig crop for the 10 States are both targeted to be revised downward approximately 2.5 percent. All estimates for 1986 and 1987 are subject to further revisions during the normal annual review process in December. All revisions will be published in the "Hogs and Pigs" report scheduled for release in January 1988.

## SEPTEMBER 1 HOGS AND PIGS INVENTORY 10 MAJOR PRODUCING STATES



**RELIABILITY AND ESTIMATING PROCEDURES:** Primary data used in setting these hog estimates were obtained from a sample of farmers across the 10 States using probability surveys. These surveys included information from about 25,700 farmers sampled from livestock lists plus operations in about 3,400 small area segments. Information was collected by mail, telephone and personal interviews. Since all operations raising hogs were not included in the sample, survey estimates are subject to sampling variability. This variability, as measured by the relative standard error, is about 2 percent at the 10-State level for hog inventory. This means that chances are approximately 95 out of 100 that survey estimates will be within four percent of the complete coverage value if the same procedures were used to survey all producers. The relative standard errors for the major groupings of breeding and market hogs are 2.2 and 2.0 percent, respectively. The relative standard errors for the market hog weight groups range from 2.4 to 2.7 percent.

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 they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

The sampling variability of survey estimates on intended farrowings is slightly larger than that for inventories. More important, actual farrowings may differ significantly from reported intentions due to unexpected economic and environmental conditions. For September-November second intentions, these differences have exceeded six percent in three of the last ten years. For December-February first intentions as of September 1, these differences have exceeded eight percent in four of the last ten years.

In setting the inventory estimates, the Agricultural Statistics Board constructed a balance sheet using estimates on births, deaths and check data on slaughter, imports and exports. This balance sheet provided an additional check on survey inventory estimates.

A P P R O V E D:

*Richard E. Lyng*

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HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP  
1985-88, 10 STATES 1/

ITEM	1985	1986	1987	1988	1987 AS % OF		1988 AS
					1985	1986	PERCENT OF 1987
	1000 HEAD			PERCENT			
SEPTEMBER 1 INVENTORY							
ALL HOGS AND PIGS	41820	39335	42825		102	109	
KEPT FOR BREEDING	5377	4840	5295		98	109	
MARKET	36443	34495	37530		103	109	
MARKET HOGS AND PIGS							
BY WEIGHT GROUPS:							
UNDER 60 POUNDS	14630	13725	14950		102	109	
60-119 POUNDS	8820	8380	9090		103	108	
120-179 POUNDS	7406	7020	7665		103	109	
180 POUNDS AND OVER	5587	5370	5825		104	108	
SOWS FARROWING:							
DECEMBER 2/-FEBRUARY	1955	1863	1957	3/ 2110	100	105	108
MARCH-MAY	2420	2161	2337		97	108	
DECEMBER 2/-MAY	4375	4024	4294		98	107	
JUNE-AUGUST	2191	2034	2262		103	111	
SEPTEMBER-NOVEMBER	2265	2150	2307	3/	102	107	
JUNE-NOVEMBER	4456	4184	4569	4/	103	109	
PIG CROP:							
DECEMBER 2/-FEBRUARY	14690	14254	15156		103	106	
MARCH-MAY	18762	16878	18485		99	110	
DECEMBER 2/-MAY	33452	31132	33641		101	108	
JUNE-AUGUST	16941	15853	17520		103	111	
SEPTEMBER-NOVEMBER	17255	16729					
JUNE-NOVEMBER	34196	32582					
PIGS PER LITTER:		NUMBER					
DECEMBER 2/-FEBRUARY	7.51	7.65	7.74		103	101	
MARCH-MAY	7.75	7.81	7.91		102	101	
DECEMBER 2/-MAY	7.65	7.74	7.83		102	101	
JUNE-AUGUST	7.73	7.79	7.75		100	99	
SEPTEMBER-NOVEMBER	7.62	7.78					
JUNE-NOVEMBER	7.67	7.79					

1/ GEORGIA, ILLINOIS, INDIANA, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA, NORTH CAROLINA, AND OHIO. 2/ DECEMBER PRECEDING YEAR. 3/ INTENTIONS. 4/ ACTUAL FARROWINGS FOR JUNE-AUGUST PLUS INTENTIONS FOR SEPTEMBER-NOVEMBER.

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
SEPTEMBER 1, 1986-87, 10 STATES

STATE	BREEDING		MARKET		TOTAL				
	1986	1987	1986	1987	1986	1987			
	:AS % OF:		:AS % OF:		:AS % OF:				
	:NUMBER: 1986 :		:NUMBER: 1986 :		:NUMBER: 1986 :				
	1000 HEAD	PERCENT	1000 HEAD	PERCENT	1000 HEAD	PERCENT			
GA	145	155	107	880	995	113	1025	1150	112
ILL	620	650	105	4680	4850	104	5300	5500	104
IND	530	575	108	3720	3975	107	4250	4550	107
IOWA	1550	1700	110	11150	12400	111	12700	14100	111
KANS	170	170	100	1240	1205	97	1410	1375	98
MINN	490	560	114	3610	3990	111	4100	4550	111
MO	370	420	114	2380	2530	106	2750	2950	107
NEBR	450	460	102	3400	3440	101	3850	3900	101
N C	290	320	110	2010	2230	111	2300	2550	111
OHIO	225	285	127	1425	1915	134	1650	2200	133
TOTAL									
10 STS.	4840	5295	109	34495	37530	109	39335	42825	109

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
SEPTEMBER 1, 1986-87, 10 STATES

STATE	UNDER 60 LBS.		60-119 LBS.		120-179 LBS.		180 LBS AND OVER	
	1986	1987	1986	1987	1986	1987	1986	1987
	1000 HEAD							
GA	375	440	235	250	165	190	105	115
ILL	1760	1800	1140	1170	940	1020	840	860
IND	1500	1645	930	960	750	830	540	540
IOWA	4400	4800	2725	3100	2390	2600	1635	1900
KANS	450	425	315	305	260	260	215	215
MINN	1480	1650	850	970	760	780	520	590
MO	970	1075	605	615	435	455	370	385
NEBR	1370	1450	760	760	670	680	600	550
N C	800	890	490	510	390	450	330	380
OHIO	620	775	330	450	260	400	215	290
TOTAL								
10 STS.	13725	14950	8380	9090	7020	7665	5370	5825

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
JUNE 1, 1986-87, 10 STATES

STATE	BREEDING			MARKET			TOTAL		
	1986	1987		1986	1987		1986	1987	
		:AS % OF:			:AS % OF:			:AS % OF:	
		: NUMBER: 1986 :			: NUMBER: 1986 :			: NUMBER: 1986 :	
1000 HEAD	PERCENT	1000 HEAD	PERCENT	1000 HEAD	PERCENT				
GA	145	160	110	880	940	107	1025	1100	107
ILL	600	655	109	4200	4545	108	4800	5200	108
IND	550	550	100	3600	3600	100	4150	4150	100
IOWA	1520	1700	112	10680	11600	109	12200	13300	109
KANS	175	175	100	1225	1225	100	1400	1400	100
MINN	500	525	105	3425	3655	107	3925	4180	106
MO	400	450	113	2500	2500	100	2900	2950	102
NEBR	450	500	111	3150	3350	106	3600	3850	107
N C	280	305	109	1895	2045	108	2175	2350	108
OHIO	220	270	123	1450	1830	126	1670	2100	126
TOTAL									
10 STS.	4840	5290	109	33005	35290	107	37845	40580	107

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
JUNE 1, 1986-87, 10 STATES

STATE	UNDER 60 LBS.		60-119 LBS.		120-179 LBS.		180 LBS AND OVER	
	1986	1987	1986	1987	1986	1987	1986	1987
	1000 HEAD							
GA	380	390	245	260	160	180	95	110
ILL	1710	1820	1050	1180	810	875	630	670
IND	1430	1410	950	950	685	690	535	550
IOWA	4445	5100	2680	2850	1985	2100	1570	1550
KANS	515	510	280	280	235	235	195	200
MINN	1340	1475	890	930	710	725	485	525
MO	1215	1270	580	545	380	360	325	325
NEBR	1330	1430	780	840	590	600	450	480
N C	780	830	460	490	355	395	300	330
OHIO	630	820	360	415	260	340	200	255
TOTAL								
10 STS.	13775	15055	8275	8740	6170	6500	4785	4995

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
MARCH-MAY 1986-87, 10 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 1/		
	1986	1987		PER LITTER		1986	1987	
		NUMBER	AS % OF 1986	1986	1987		NUMBER	AS % OF 1986
	1000 HEAD	PERCENT	NUMBER		1000 HEAD	PERCENT		
GA	56	60	107	7.60	7.50	426	450	106
ILL	300	310	103	7.40	7.70	2220	2387	108
IND	230	225	98	7.70	7.80	1771	1755	99
IOWA	690	790	114	7.90	8.00	5451	6320	116
KANS	80	77	96	7.90	8.00	632	616	97
MINN	220	235	107	8.05	8.15	1771	1915	108
MO	180	195	108	7.75	7.50	1395	1463	105
NEBR	195	210	108	7.90	8.00	1541	1680	109
N C	120	125	104	8.00	8.15	960	1019	106
OHIO	90	110	122	7.90	8.00	711	880	124
TOTAL								
10 STS.	2161	2337	108	7.81	7.91	16878	18485	110

1/ NUMBER OF PIGS BORN MARCH THROUGH MAY, THAT WERE ON HAND JUNE 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
JUNE-AUGUST 1986-87, 10 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 1/		
	1986	1987		PER LITTER		1986	1987	
		NUMBER	AS % OF 1986	1986	1987		NUMBER	AS % OF 1986
	1000 HEAD	PERCENT	NUMBER		1000 HEAD	PERCENT		
GA	52	60	115	7.40	7.60	385	456	118
ILL	285	290	102	7.60	7.65	2166	2219	102
IND	230	250	109	7.60	7.70	1748	1925	110
IOWA	640	730	114	7.85	7.75	5024	5658	113
KANS	72	67	93	7.55	7.65	544	513	94
MINN	210	240	114	8.05	7.90	1691	1896	112
MO	145	165	114	7.70	7.50	1117	1238	111
NEBR	185	200	108	7.90	7.80	1462	1560	107
N C	120	135	113	8.20	8.00	984	1080	110
OHIO	95	125	132	7.70	7.80	732	975	133
TOTAL								
10 STS.	2034	2262	111	7.79	7.75	15853	17520	111

1/ NUMBER OF PIGS BORN JUNE THROUGH AUGUST, THAT WERE ON HAND SEPTEMBER 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
SEPTEMBER-NOVEMBER 1985-87, 10 STATES

STATE	SOWS FARROWING				PIGS PER LITTER		PIG CROP 1/		
	1985	1986	1987 2/		1985	1986	1985	1986	
			NUMBER	AS % OF 1986				NUMBER	AS % OF 1985
	1000 HEAD		PERCENT	NUMBER		1000 HEAD		PERCENT	
GA	63	60	62	103	7.30	7.65	460	459	100
ILL	325	290	295	102	7.40	7.50	2405	2175	90
IND	205	200	215	108	7.80	7.80	1599	1560	98
IOWA	730	700	750	107	7.45	7.75	5439	5425	100
KANS	82	75	75	100	7.60	7.75	623	581	93
MINN	220	220	250	114	7.90	8.05	1738	1771	102
MO	200	175	200	114	7.40	7.60	1480	1330	90
NEBR	215	210	210	100	7.90	7.90	1699	1659	98
N C	120	120	130	108	8.10	8.20	972	984	101
OHIO	105	100	120	120	8.00	7.85	840	785	93
TOTAL									
10 STS.	2265	2150	2307	107	7.62	7.78	17255	16729	97

1/ NUMBER OF PIGS BORN SEPTEMBER THROUGH NOVEMBER, THAT WERE ON HAND DECEMBER 1, OR HAD BEEN SOLD. 2/ INTENTIONS.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
DECEMBER 1/-FEBRUARY 1986-88, 10 STATES

STATE	SOWS FARROWING				PIGS PER LITTER		PIG CROP 2/		
	1986	1987	1988 3/		1986	1987	1986	1987	
			NUMBER	AS % OF 1987				NUMBER	AS % OF 1986
	1000 HEAD		PERCENT	NUMBER		1000 HEAD		PERCENT	
GA	52	57	60	105	7.45	7.30	387	416	107
ILL	230	245	245	100	7.40	7.70	1702	1887	111
IND	200	205	215	105	7.70	7.65	1540	1568	102
IOWA	590	605	670	111	7.60	7.85	4484	4749	106
KANS	76	70	70	100	7.50	7.70	570	539	95
MINN	195	210	240	114	7.85	7.95	1531	1670	109
MO	140	150	170	113	7.50	7.50	1050	1125	107
NEBR	175	190	195	103	7.80	7.90	1365	1501	110
N C	115	125	135	108	7.95	7.85	914	981	107
OHIO	90	100	110	110	7.90	7.20	711	720	101
TOTAL									
10 STS.	1863	1957	2110	108	7.65	7.74	14254	15156	106

1/ DECEMBER PRECEDING YEAR. 2/ NUMBER OF PIGS BORN DECEMBER THROUGH FEBRUARY, THAT WERE ON HAND MARCH 1, OR HAD BEEN SOLD. 3/ INTENTIONS.

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