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# Cattle



National  
Agricultural  
Statistics  
Service

Fact Finding  
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Since 1863

United States  
Department of  
Agriculture

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Statistics  
Board

Washington, D.C.

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RELEASED: July 28, 1989  
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## In This Issue:

- \* U.S. Inventory by Class
- \* Operations by Size Group
- \* Calf Crop

ALL CATTLE AND CALVES in the United States as of July 1, 1989, totaled 108.6 million head, virtually unchanged from July 1, 1988, but 1 percent below the 109.5 million two years ago, according to the Agricultural Statistics Board. This stops the seven year trend of a declining cattle inventory.

All cows and heifers that have calved, at 44.3 million, were unchanged from a year ago but down fractionally from 44.4 million two years ago.

- Beef cows, at 34.2 million, were up slightly from July 1, 1988 and 1 percent above July 1, 1987.
- Milk cows, at 10.1 million, were 1 percent below July 1, 1988, and 3 percent below two years ago.

Other class estimates on July 1, 1989, and the changes from July 1 last year and two years ago, respectively, are as follows:

- All heifers 500 pounds and over, 16.7 million, up 1 percent but down 2 percent.
- Beef replacement heifers, 5.00 million, up 4 percent from both years.
- Milk replacement heifers, 4.50 million, up 2 percent but down 2 percent.
- Other heifers, 7.20 million, down 1 percent and 5 percent.
- Steers weighing 500 pounds and over, 14.5 million, unchanged, but down 2 percent.
- Bulls weighing 500 pounds and over, 2.20 million, unchanged from both years.
- Calves under 500 pounds, 30.9 million, down fractionally and down 1 percent.

CATTLE AND CALVES: NUMBER BY CLASS AND CALF CROP, UNITED STATES,  
JULY 1, 1987-89

CLASS	1987	1988	1989	1989 AS % 1988
	1,000 HEAD			PERCENT
CATTLE AND CALVES	109,500	108,500	108,600	100
COWS AND HEIFERS THAT HAVE CALVED:	44,400	44,300	44,300	100
BEEF COWS	34,000	34,050	34,200	100
MILK COWS	10,400	10,250	10,100	99
HEIFERS 500 POUNDS AND OVER	17,000	16,500	16,700	101
FOR BEEF COW REPLACEMENT	4,800	4,800	5,000	104
FOR MILK COW REPLACEMENT	4,600	4,400	4,500	102
OTHER HEIFERS	7,600	7,300	7,200	99
STEERS 500 POUNDS AND OVER	14,800	14,500	14,500	100
BULLS 500 POUNDS AND OVER	2,200	2,200	2,200	100
CALVES UNDER 500 POUNDS	31,100	31,000	30,900	100
CALF CROP 1/	40,086	40,872	40,700	100

1/ FOR THE CURRENT YEAR, THE CALF CROP IS THE NUMBER OF CALVES BORN BEFORE JULY 1 PLUS THE NUMBER EXPECTED TO BE BORN ON AND AFTER JULY 1.

(Continued from Page 1)

CALF CROP DOWN FRACTIONALLY

The 1989 calf crop is expected to be 40.7 million, down fractionally from 1988 but up 2 percent from 1987. Calves born during the first half of the year are estimated at 29.3 million, down slightly from a year ago but up 2 percent from 1987.


RELIABILITY AND ESTIMATING PROCEDURES

Primary data used in making cattle estimates in this report were obtained from a sample of approximately 22,200 agricultural producers across the U.S. using probability surveys. Information was collected during the first half of July by mail, telephone and personal interview. Since all operations with cattle were not included in the sample, survey estimates are subject to sampling variability. This variability, as measured by the relative standard error, is 1.15 percent of the total cattle and calves at the national level. This means, that chances are approximately 95 out of 100 that the survey estimate will be within 2.3 percent of the complete coverage value if the same procedures were used to survey all producers. The sampling variability for estimates of all cows and calf crop is slightly larger than that for total inventory but still has a relative standard error of less than 1.2 percent. The relative standard error for other individual classes ranges from 1.4 to 3.6 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.

In setting the inventory estimates, the Agricultural Statistics Board used survey estimates of inventory numbers, births and deaths. These survey estimates were combined with reliable check data from other sources on slaughter, imports and exports to construct a national balance sheet (on page 3), which provides an additional check on survey inventory estimates.

APPROVED:

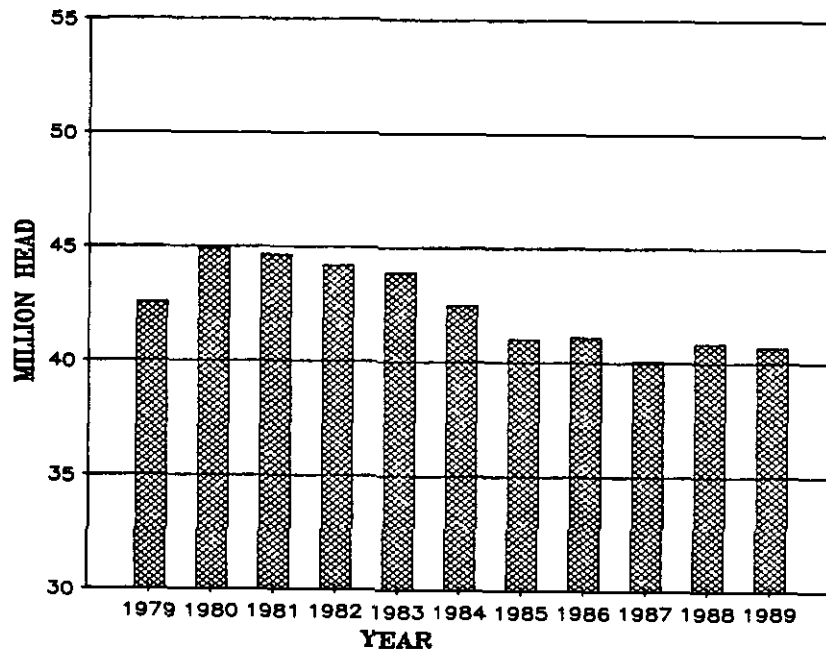


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## CALF CROP, UNITED STATES BY YEARS



### CALF CROP: NUMBER AND PERCENT OF TOTAL BY SIX MONTH PERIOD UNITED STATES, 1987-89

PERIOD	1987		1988		1989	
	NUMBER (000)	% OF TOTAL	NUMBER (000)	% OF TOTAL	NUMBER (000)	% OF TOTAL
JAN 1 - JUN 30	28,750	71.7	29,400	71.9	29,300	72.0
JUL 1 - DEC 31	11,336	28.3	11,472	28.1	11,400	28.0
TOTAL 1/	40,086	100.0	40,872	100.0	40,700	100.0

1/ EXPECTED CALF CROP FOR 1989.

### UNITED STATES BALANCE SHEET CATTLE AND CALVES JANUARY 1 - JUNE 30

ITEM	1987	1988	1989 1/
MILLION			
JANUARY 1 INVENTORY	102.0	99.5	99.5
CALF CROP AND IMPORTS	29.5	30.3	30.1
TOTAL SUPPLY 2/	131.5	129.9	129.6
SLAUGHTER	19.2	18.7	18.1
DEATHS AND EXPORTS	2.8	2.7	2.7
TOTAL DISAPPEARANCE 2/	22.0	21.3	20.7
RESIDUAL 2/	(.0)	(.0)	(-.3)
JULY 1 INVENTORY	109.5	108.5	108.6

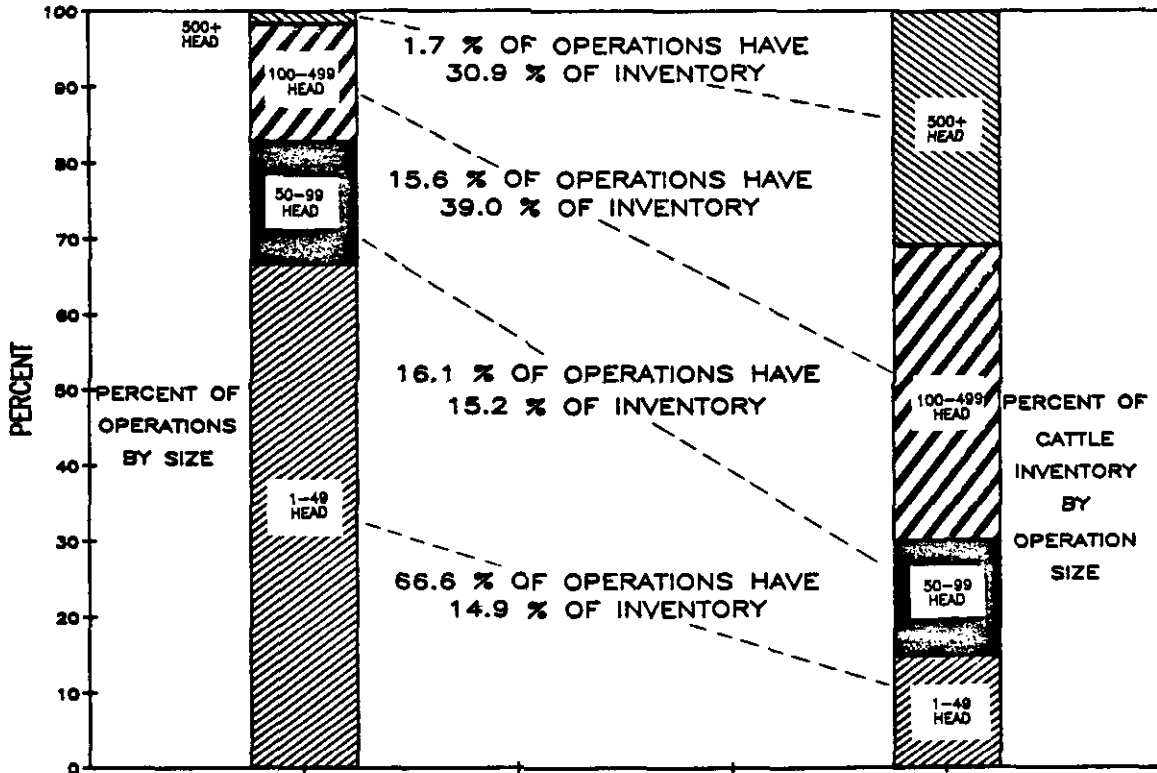
1/ PRELIMINARY. 2/ TOTALS MAY NOT ADD DUE TO ROUNDING.

NUMBER OF OPERATIONS WITH CATTLE 1987-88 1/, AND CATTLE  
INVENTORY, JANUARY 1, 1988-89, SELECTED STATES

STATE	OPERATIONS WITH CATTLE		JANUARY 1 CATTLE INVENTORY	
	1987	1988	1988	1989
	--- NUMBER ---		--- 1,000 HEAD ---	
AL	40,000	39,000	1,750	1,800
AR	34,000	34,000	1,850	1,750
CA	33,000	33,000	4,650	4,700
CO	15,500	15,000	2,700	2,750
FL	21,000	21,000	1,970	2,025
GA	34,000	33,000	1,520	1,500
ID	17,000	17,000	1,570	1,620
IL	38,000	36,000	2,050	1,950
IN	41,000	38,000	1,360	1,290
IA	61,000	61,000	4,650	4,750
KS	43,000	42,000	5,860	5,900
KY	60,000	59,000	2,450	2,500
MN	46,000	43,000	2,900	2,940
MS	31,000	30,000	1,350	1,390
MO	92,000	87,000	4,400	4,500
MT	15,700	15,700	2,350	2,350
NE	33,000	32,000	5,450	5,400
NM	9,000	9,000	1,320	1,350
NY	25,000	24,000	1,702	1,584
ND	16,000	15,600	1,800	1,600
OH	43,000	42,000	1,820	1,760
OK	64,000	62,000	5,100	5,200
PA	46,000	44,000	1,920	1,920
SD	24,000	23,000	3,500	3,480
TN	70,000	68,000	2,300	2,300
TX	146,000	144,000	13,600	13,700
WI	60,000	58,000	4,230	4,130
WY	5,400	5,600	1,290	1,330
28 STS	1,163,600	1,130,900	87,412	87,469
22 STS	244,470	239,740	12,112	12,015
U.S.	1,408,070	1,370,640	99,524	99,484

1/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE HEAD OF THE SPECIES ON HAND AT ANY TIME DURING THE YEAR.

## CATTLE AND CALVES, U.S. 1988, PERCENT OF OPERATIONS AND INVENTORY, BY SIZE GROUPS



CATTLE AND CALVES: PERCENT OF OPERATIONS BY SIZE GROUPS, 1987-88  
 SELECTED STATES, REGIONS, AND U.S. 1/

STATE	OPERATIONS HAVING							
	1-49 HEAD		50-99 HEAD		100-499 HEAD		500+ HEAD	
	1987	1988	1987	1988	1987	1988	1987	1988
PERCENT								
AL	80.0	76.9	11.5	13.3	7.8	9.0	0.7	0.8
AR	73.5	70.6	15.6	17.1	10.9	12.3	2/	2/
CA	72.7	72.1	7.3	7.3	13.6	13.6	6.4	7.0
CO	47.1	45.3	16.1	17.3	30.3	30.7	6.5	6.7
FL	80.5	79.1	9.5	10.0	6.7	7.6	3.3	3.3
GA	77.3	77.0	12.4	12.4	9.7	10.0	0.6	0.6
ID	67.1	66.5	12.4	12.3	17.0	17.4	3.5	3.8
IL	67.1	67.0	17.1	16.9	15.0	15.3	0.8	0.8
IN	80.5	79.0	10.3	11.3	9.2	9.2	2/	0.5
IA	50.8	50.8	23.0	22.1	24.9	25.6	1.3	1.5
KS	48.4	52.9	22.5	19.1	26.3	24.0	2.8	4.0
KY	75.9	75.4	14.8	14.8	9.3	9.8	2/	2/
MN	54.3	51.1	25.7	27.9	19.3	20.5	0.7	0.5
MS	76.4	75.0	12.6	13.3	10.0	10.7	1.0	1.0
MO	66.3	67.0	19.0	18.0	14.2	14.4	0.5	0.6
MT	47.8	45.9	14.0	15.9	32.5	31.8	5.7	6.4
NE	38.2	38.1	22.7	22.8	33.3	33.5	5.8	5.6
NM	55.5	51.1	17.8	22.2	20.0	20.0	6.7	6.7
NY	60.0	55.9	21.6	23.3	18.4	20.3	2/	0.5
ND	30.0	33.3	24.4	25.0	43.7	39.8	1.9	1.9
OH	76.7	76.2	14.0	12.9	8.8	10.9	0.5	2/
OK	62.5	61.3	17.2	18.5	18.4	18.1	1.9	2.1
PA	69.5	68.2	18.5	19.3	12.0	12.5	2/	2/
SD	28.0	27.0	22.0	23.0	45.0	45.0	5.0	5.0
TN	81.4	79.4	12.4	13.2	6.2	7.4	2/	2/
TX	69.9	71.5	15.2	13.2	12.4	12.8	2.5	2.5
WI	44.3	41.7	33.0	32.6	22.7	25.7	2/	2/
WY	40.8	37.5	11.1	11.6	35.2	37.5	12.9	13.4
28 STS	64.8	64.0	16.2	17.4	17.3	16.8	1.7	1.8
22 STS	79.8	78.7	9.8	9.9	9.4	10.3	1.0	1.1
U.S.	67.4	66.6	16.0	16.1	15.0	15.6	1.6	1.7

1/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE CATTLE ON HAND DURING THE YEAR. PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SURVEYS.

2/ COMBINED WITH OTHER SIZE GROUPS.

CATTLE AND CALVES: PERCENT OF INVENTORY BY SIZE GROUPS, 1987-88  
 SELECTED STATES, REGIONS, AND U.S. 1/

STATE	INVENTORY ON OPERATIONS HAVING							
	1-49 HEAD		50-99 HEAD		100-499 HEAD		500+ HEAD	
	1987	1988	1987	1988	1987	1988	1987	1988
PERCENT								
AL	31.1	28.9	19.2	19.2	34.7	36.1	15.0	15.8
AR	29.2	26.8	23.2	22.3	39.5	42.3	8.1	8.6
CA	4.9	4.7	3.6	3.7	24.4	23.4	67.1	68.2
CO	3.4	3.6	5.9	6.4	33.3	32.2	57.4	57.8
FL	9.7	10.0	8.1	8.1	20.3	20.0	61.9	61.9
GA	28.3	28.4	18.8	18.7	42.4	42.0	10.5	10.9
ID	8.5	7.7	8.8	8.6	39.5	38.6	43.2	45.1
IL	20.4	21.0	22.4	20.4	45.9	48.3	11.3	10.3
IN	31.6	27.0	20.6	21.7	41.9	40.2	5.9	11.1
IA	11.9	12.3	18.5	17.1	52.2	52.6	17.4	18.0
KS	7.7	7.7	11.5	9.7	37.0	32.1	43.8	50.5
KY	32.1	31.2	24.9	24.5	37.8	39.1	5.2	5.2
MN	13.8	14.5	29.0	30.5	49.1	48.5	8.1	6.5
MS	23.9	23.7	17.9	17.8	40.0	40.3	18.2	18.2
MO	24.0	23.0	24.0	23.0	44.0	45.6	8.0	8.4
MT	4.4	4.8	6.6	7.7	47.5	43.0	41.5	44.5
NE	4.6	4.6	9.4	9.2	37.5	37.1	48.5	49.1
NM	5.3	4.8	6.8	8.9	27.3	28.1	60.6	58.2
NY	15.9	14.5	25.4	27.5	54.0	52.3	4.7	5.7
ND	5.5	7.0	13.9	17.2	67.8	62.3	12.8	13.5
OH	30.2	33.1	23.1	20.0	35.7	41.9	11.0	5.0
OK	15.2	15.0	14.8	15.3	43.1	40.4	26.9	29.3
PA	22.6	22.7	30.5	30.7	43.3	43.1	3.6	3.5
SD	4.2	4.0	9.8	11.0	57.0	56.0	29.0	29.0
TN	39.1	37.2	24.8	25.4	32.6	33.5	3.5	3.9
TX	13.6	14.2	11.8	10.2	27.6	29.6	47.0	46.0
WI	12.5	11.0	33.1	32.0	51.3	53.7	3.1	3.3
WY	2.8	3.0	3.4	3.5	34.9	34.5	58.9	59.0
28 STS	14.4	14.2	15.9	15.5	39.3	39.1	30.4	31.2
22 STS	20.3	20.0	13.8	13.8	38.2	37.9	27.7	28.3
U.S.	15.1	14.9	15.6	15.2	39.2	39.0	30.1	30.9

1/ PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SURVEYS.

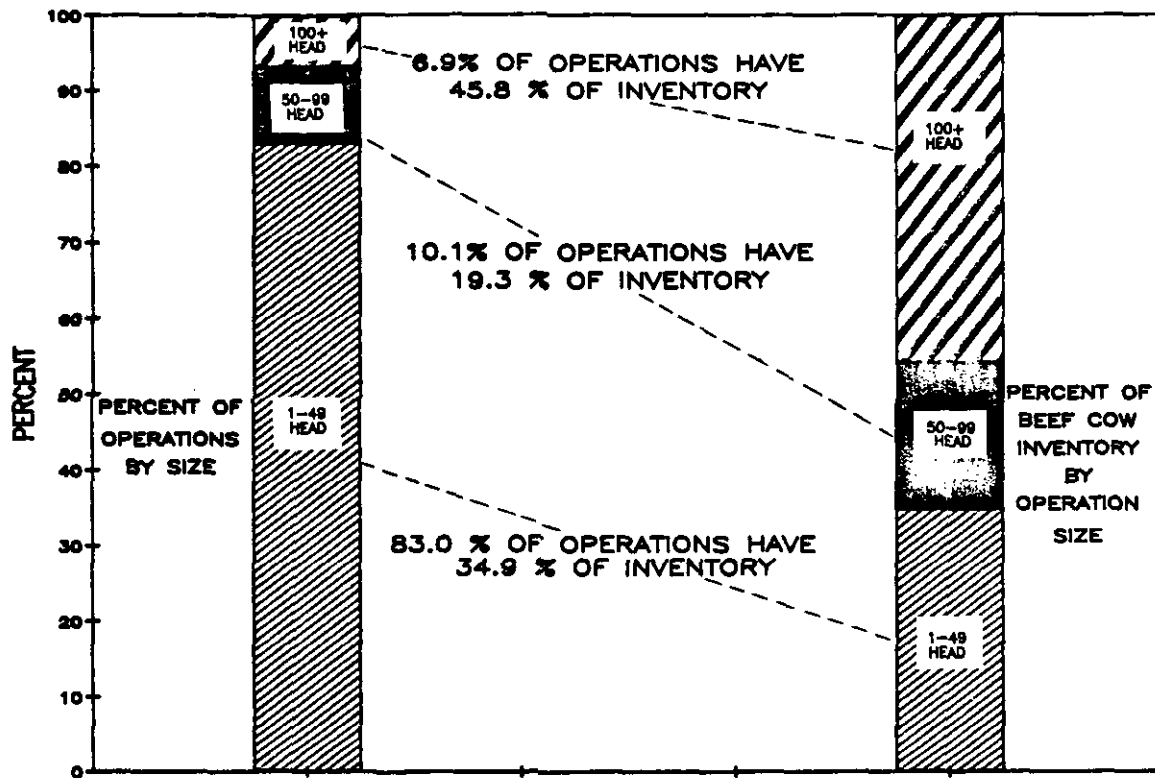
NUMBER OF OPERATIONS WITH BEEF COWS 1987-88 1/, AND BEEF COW INVENTORY, JANUARY 1, 1988-89, SELECTED STATES

STATE	OPERATIONS WITH BEEF COWS :		JANUARY 1 BEEF COW INVENTORY	
	1987	1988	1988	1989
	--- NUMBER ---		--- 1,000 HEAD ---	
AL	39,000	38,000	890	901
AR	29,000	29,000	948	932
CA	20,000	20,000	915	925
CO	11,500	11,000	777	775
FL	18,000	18,000	1,086	1,148
GA	30,000	29,000	703	700
ID	9,000	9,000	510	520
IL	23,000	22,000	525	520
IN	21,000	20,000	370	350
IA	35,000	35,000	1,201	1,265
KS	33,000	33,000	1,466	1,450
KY	47,000	47,000	1,017	1,060
MN	16,000	16,000	390	390
MS	29,000	28,000	706	712
MO	73,000	70,000	1,931	2,004
MT	14,000	14,000	1,275	1,324
NE	23,000	23,000	1,680	1,697
NM	7,000	7,000	527	578
NY	9,000	8,800	112	102
ND	13,700	13,400	874	832
OH	25,200	24,300	412	385
OK	52,000	51,000	1,867	1,893
PA	18,000	17,500	206	216
SD	19,000	18,500	1,448	1,506
TN	60,000	58,000	986	1,038
TX	127,000	127,000	5,260	5,445
WI	10,000	10,300	200	150
WY	4,400	4,300	630	670
28 STS	815,800	802,100	28,912	29,488
22 STS	176,910	172,830	4,200	4,181
U.S.	992,710	974,930	33,112	33,669

1/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE BEEF COWS ON HAND AT ANY TIME DURING THE YEAR. INCLUDED IN OPERATIONS WITH CATTLE.



## BEEF COWS, U.S. 1988, PERCENT OF OPERATIONS AND INVENTORY, BY SIZE GROUPS



**BEEF COWS: PERCENT OF OPERATIONS BY SIZE GROUPS, 1987-88**  
**SELECTED STATES, REGIONS, AND U.S. 1/**

STATE	OPERATIONS HAVING					
	1-49 HEAD		50-99 HEAD		100 + HEAD	
	1987	1988	1987	1988	1987	1988
PERCENT						
AL	89.7	89.5	6.4	5.8	3.9	4.7
AR	81.0	81.0	14.5	13.8	4.5	5.2
CA	80.0	80.0	8.0	8.5	12.0	11.5
CO	59.1	60.0	18.3	18.2	22.6	21.8
FL	82.2	83.3	8.3	7.2	9.5	9.5
GA	90.0	87.9	6.7	8.3	3.3	3.8
ID	72.2	72.2	11.1	11.1	16.7	16.7
IL	89.1	88.6	8.7	9.1	2.2	2.3
IN	93.2	93.5	5.4	5.0	1.4	1.5
IA	80.0	77.1	14.3	17.2	5.7	5.7
KS	70.6	73.3	18.8	17.0	10.6	9.7
KY	89.3	88.3	8.1	8.9	2.6	2.8
MN	88.1	88.7	9.4	8.8	2.5	2.5
MS	86.6	87.9	10.0	8.9	3.4	3.2
MO	86.3	85.0	9.6	10.7	4.1	4.3
MT	50.7	49.3	17.9	19.3	31.4	31.4
NE	57.4	56.9	21.7	20.9	20.9	22.2
NM	52.9	54.3	18.6	21.4	28.5	24.3
NY	97.8	97.7	1.7	1.4	0.5	0.9
ND	50.4	49.2	26.3	28.4	23.3	22.4
OH	95.6	94.7	3.6	4.1	0.8	1.2
OK	75.0	74.5	16.9	17.3	8.1	8.2
PA	97.8	97.1	1.7	2.4	0.5	0.5
SD	50.0	50.0	25.8	25.0	24.2	25.0
TN	93.4	91.4	4.8	6.7	1.8	1.9
TX	82.7	83.5	10.2	9.2	7.1	7.3
WI	95.0	95.1	3.7	3.5	1.3	1.4
WY	40.9	41.9	13.6	16.2	45.5	41.9
28 STS	81.8	81.5	10.9	11.1	7.3	7.4
22 STS	91.0	90.3	5.0	5.6	4.0	4.1
U.S.	83.5	83.0	9.8	10.1	6.7	6.9

1/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE BEEF COWS ON HAND DURING THE YEAR. PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SURVEYS. 2/ COMBINED WITH OTHER SIZE GROUPS.

BEEF COWS: PERCENT OF INVENTORY BY SIZE GROUPS, 1987-88  
 SELECTED STATES, REGIONS, AND U.S. 1/

STATE	INVENTORY ON OPERATIONS HAVING					
	1-49 HEAD		50-99 HEAD		100 + HEAD	
	1987 :	1988 :	1987 :	1988 :	1987 :	1988
PERCENT						
AL	49.7	51.0	18.3	13.9	32.0	35.1
AR	44.7	44.5	30.4	27.9	24.9	27.6
CA	15.7	15.2	11.8	12.0	72.5	72.8
CO	14.2	14.8	16.7	16.8	69.1	68.4
FL	14.7	16.0	8.8	9.0	76.5	75.0
GA	53.8	50.7	19.9	22.9	26.3	26.4
ID	15.7	15.8	12.7	13.1	71.6	71.1
IL	61.5	60.4	24.8	26.0	13.7	13.6
IN	64.0	63.4	21.4	19.7	14.6	16.9
IA	49.2	43.4	27.5	31.3	23.3	25.3
KS	31.5	30.6	28.3	25.7	40.2	43.7
KY	57.9	55.7	23.6	25.7	18.5	18.6
MN	57.2	59.0	24.9	24.1	17.9	16.9
MS	46.2	50.6	29.0	24.4	24.8	25.0
MO	51.3	49.5	23.1	25.0	25.6	25.5
MT	7.3	9.6	13.6	11.0	79.1	79.4
NE	16.4	15.5	19.3	18.4	64.3	66.1
NM	12.3	10.4	15.2	17.3	72.5	72.3
NY	77.7	77.5	9.8	7.8	12.5	14.7
ND	18.0	16.0	24.2	30.0	57.8	54.0
OH	74.0	74.3	15.8	15.6	10.2	10.1
OK	36.2	35.8	26.9	26.4	36.9	37.8
PA	84.5	81.5	9.7	12.5	5.8	6.0
SD	15.0	15.0	24.0	22.0	61.0	63.0
TN	69.3	66.3	16.0	19.3	14.7	14.4
TX	35.2	34.0	17.7	16.8	47.1	49.2
WI	70.0	66.0	14.5	15.3	15.5	18.7
WY	4.8	5.2	6.3	6.7	88.9	88.1
28 STS	35.3	34.4	20.2	20.0	44.5	45.6
22 STS	38.1	37.8	13.8	15.0	48.1	47.2
U.S.	35.6	34.9	19.4	19.3	45.0	45.8

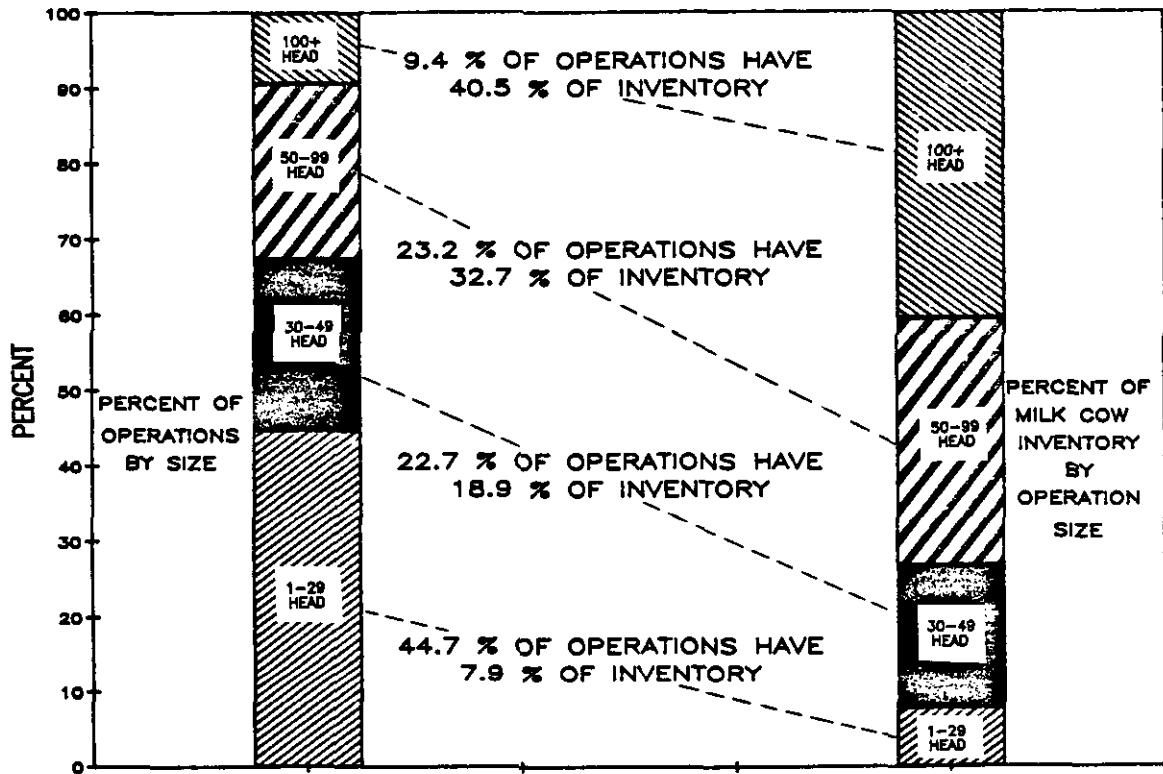
1/ PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SUREVYS.

NUMBER OF OPERATIONS WITH MILK COWS 1987-88 1/, AND MILK COW INVENTORY, JANUARY 1, 1988-89, SELECTED STATES

STATE	OPERATIONS WITH MILK COWS :		JANUARY 1 MILK COW INVENTORY	
	1987	1988	1988	1989
	--- NUMBER ---		--- 1,000 HEAD ---	
CA	5,000	4,900	1,005	1,025
FL	1,200	1,200	179	182
ID	3,200	2,800	160	170
IL	5,000	4,600	210	200
IN	6,400	5,700	190	180
IA	9,500	9,000	299	310
KY	7,500	7,000	218	215
MD	2,000	2,000	113	109
MI	7,000	7,000	358	345
MN	19,000	17,000	810	810
MO	9,500	9,000	224	226
NY	14,500	14,200	844	811
NC	3,800	3,500	105	107
OH	10,100	9,500	368	367
PA	18,500	17,500	724	719
TN	6,200	5,600	204	202
TX	6,500	6,500	340	355
VT	3,200	3,000	170	170
VA	4,500	4,500	145	142
WA	3,000	3,000	211	216
WI	37,000	36,000	1,790	1,740
21 STS	182,600	173,500	8,667	8,601
29 STS	49,800	47,380	1,631	1,616
U.S.	232,400	220,880	10,298	10,217

1/ AN OPERATION IS ANY PLACE HAVING ONE OR MORE MILK COWS ON HAND DURING THE YEAR, EXCLUDING COWS USED TO NURSE CALVES. INCLUDED IN OPERATIONS WITH CATTLE.

## MILK COWS, U.S. 1988, PERCENT OF OPERATIONS AND INVENTORY, BY SIZE GROUPS



MILK COWS: PERCENT OF OPERATIONS BY SIZE GROUPS, 1987-88  
 SELECTED STATES, REGIONS, AND U S 1/

STATE	OPERATIONS HAVING							
	1-29 HEAD		30-49 HEAD		50-99 HEAD		100+ HEAD	
	1987	1988	1987	1988	1987	1988	1987	1988
PERCENT								
CA	52.0	49.0	3.0	2.9	7.0	7.3	38.0	40.8
FL	70.8	72.5	2/	2/	2/	2/	29.2	27.5
ID	57.2	52.5	11.6	12.5	17.8	18.6	13.4	16.4
IL	28.0	26.1	30.0	28.3	34.0	36.9	8.0	8.7
IN	65.9	64.0	12.0	12.3	18.6	19.3	3.5	4.4
IA	45.3	42.2	26.3	28.9	26.3	25.6	2.1	3.3
KY	58.9	53.6	20.0	22.8	17.3	18.6	3.8	5.0
MD	34.0	32.0	16.5	16.5	31.5	32.0	18.0	19.5
MI	40.0	37.1	17.1	20.0	28.6	28.6	14.3	14.3
MN	27.4	27.6	40.0	41.2	28.9	27.1	3.7	4.1
MO	63.2	62.2	14.7	15.0	18.4	18.9	3.7	3.9
NY	22.8	22.6	29.6	27.1	34.5	37.3	13.1	13.0
NC	74.7	72.9	3.9	4.3	11.1	11.7	10.3	11.1
OH	51.5	50.5	17.8	21.1	23.8	22.1	6.9	6.3
PA	34.0	32.6	31.9	32.6	27.6	28.5	6.5	6.3
TN	68.7	62.5	11.9	14.3	13.7	16.1	5.7	7.1
TX	67.0	66.3	3.5	3.5	10.3	10.2	19.2	20.0
VT	26.3	26.7	25.0	23.3	37.5	36.7	11.2	13.3
VA	68.9	66.7	6.1	6.7	13.8	15.5	11.2	11.1
WA	56.6	56.7	5.0	5.0	11.7	11.7	26.7	26.6
WI	24.0	24.2	39.5	38.6	31.1	31.4	5.4	5.8
29 STS	64.0	62.9	11.7	12.0	14.8	15.2	9.5	9.9
U.S.	46.0	44.7	22.4	22.7	22.8	23.2	8.8	9.4

1/ PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SURVEYS  
 2/ COMBINED WITH OTHER SIZE GROUPS.

MILK COWS: PERCENT OF INVENTORY BY SIZE GROUPS, 1987-88  
 SELECTED STATES, REGIONS, AND U S 1/

STATE	INVENTORY ON OPERATIONS HAVING							
	1-29 HEAD		30-49 HEAD		50-99 HEAD		100+ HEAD	
	1987	1988	1987	1988	1987	1988	1987	1988
PERCENT								
CA	0.4	0.3	0.5	0.5	2.8	2.7	96.3	96.5
FL	0.7	0.7	2/	2/	2/	2/	99.3	99.3
ID	7.5	6.5	8.8	8.2	23.1	22.4	60.6	62.9
IL	4.6	4.8	23.8	22.0	48.3	49.5	23.3	23.7
IN	17.9	15.5	18.9	16.7	45.8	43.9	17.4	23.9
IA	16.7	16.1	30.4	29.4	42.2	42.3	10.7	12.2
KY	18.4	13.0	25.2	27.5	39.0	37.2	17.4	22.3
MD	4.4	4.1	10.6	10.6	35.4	33.0	49.6	52.3
MI	8.1	7.5	12.8	14.5	37.2	36.5	41.9	41.5
MN	11.1	11.1	35.8	37.5	40.7	39.0	12.4	12.4
MO	12.1	11.1	21.9	22.1	45.5	46.0	20.5	20.8
NY	3.9	3.9	21.0	18.4	40.7	43.0	34.4	34.7
NC	4.3	2.9	5.2	5.5	28.6	29.0	61.9	62.6
OH	16.9	17.7	17.9	19.3	41.3	39.8	23.9	23.2
PA	9.9	9.5	29.1	29.3	39.0	40.2	22.0	21.0
TN	25.5	19.8	14.7	15.8	30.4	31.7	29.4	32.7
TX	2.1	2.3	2.6	2.8	15.0	14.6	80.3	80.3
VT	4.1	4.7	18.2	16.5	45.9	42.3	31.8	36.5
VA	11.7	10.6	7.6	7.4	29.7	31.7	51.0	50.3
WA	2.3	2.3	2.4	2.3	11.4	12.1	83.9	83.3
WI	9.5	9.5	32.4	31.5	42.5	42.4	15.6	16.6
29 STS	7.8	7.5	12.4	12.4	30.6	30.6	49.2	49.5
U.S.	8.3	7.9	19.2	18.9	33.0	32.7	39.5	40.5

1/ PERCENTS REFLECT AVERAGE DISTRIBUTIONS OF VARIOUS PROBABILITY SURVEYS CONDUCTED DURING THE YEAR BUT ARE BASED PRIMARILY ON END-OF-YEAR SURVEYS  
 2/ COMBINED WITH OTHER SIZE GROUPS.

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