



Cattle

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January 1 Cattle Inventory Down 1 Percent

All cattle and calves in the United States as of January 1, 2000, totaled 98.0 million head, 1 percent below the 99.1 million on January 1, 1999 and 2 percent below the 99.7 million two years ago.

All cows and heifers that have calved, at 42.7 million, were slightly below the 42.9 million on January 1, 1999 and 1 percent below the 43.1 million two years ago.

- **Beef cows**, at 33.5 million, were down 1 percent from both January 1, 1999 and two years ago.
- **Milk cows**, at 9.19 million, were up 1 percent from January 1, 1999 but slightly below two years ago.

Other class estimates on January 1, 2000, and the changes from January 1 last year and two years ago, respectively, are as follows:

- **All heifers** 500 pounds and over, 19.5 million, down 1 percent and down 1 percent.
- **Beef replacement heifers**, 5.53 million, down slightly and down 4 percent.
- **Milk replacement heifers**, 3.95 million, down 3 percent and down 1 percent.
- **Other heifers**, 10.0 million, down 1 percent and slightly below two years ago.
- **Steers** weighing 500 pounds and over, 16.7 million, down 1 percent and down 3 percent.
- **Bulls** weighing 500 pounds and over, 2.29 million, up 1 percent and up 1 percent.
- **Calves under 500 pounds**, 16.8 million, down 3 percent and down 3 percent.
- **All cattle and calves on feed** for slaughter, 14.0 million, up 6 percent and up 3 percent.

Calf Crop Down Slightly

The 1999 calf crop was estimated at 38.7 million head, down slightly from 1998 and down 1 percent from 1997. Calves born during the first half of the year are estimated at 28.5 million, the same as 1998 but down slightly from 1997.

Cattle Operations Down 2 Percent

The number of operations with cattle totaled 1,095,960 during 1999, down 2 percent from 1998 and 5 percent below 1997. Beef cow operations in 1999 were down 1 percent from 1998 and 3 percent below 1997. Milk cow operations were 5 percent below last year and 10 percent below two years ago. Included in this issue is a new table with additional size group breakouts at the U.S. level for number of operations and percent of inventory.

The three operation classes, cattle, beef cows, and milk cows, are classified into size groups independently. Therefore, it is possible to have more beef cow operations in a particular size group than cattle operations. As an example, an operator with 75 cattle and 40 beef cows would be classified in the 50-99 size group for cattle and the 1-49 size group for beef cows.

Revisions

All inventory and calf crop estimates for January 1, 1999 and July 1, 1999 were revised using final calf crop, official slaughter, import and export data, and the relationship of new survey information to the prior surveys. Based on the findings of this review, the January 1, 1999 inventory was raised 0.6 percent; the July 1, 1999 inventory increased 0.2 percent; the 1998 calf crop increased 0.6 percent; and the preliminary 1999 calf crop set in July was raised 1.1 percent.

This report was approved on January 28, 2000.



Acting Secretary of
Agriculture
Richard E. Rominger



Agricultural Statistics Board
Chairperson
Frederic A. Vogel

**Cattle and Calves: Number by Class and Calf Crop,
United States, January 1, 1998-2000 ¹**

Class	1998	1999	2000	2000 as % of 1999
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
Cattle and Calves	99,744	99,115	98,048	99
Cows and Heifers That Have Calved	43,084	42,878	42,734	100
Beef Cows	33,885	33,745	33,546	99
Milk Cows	9,199	9,133	9,188	101
Heifers 500 Pounds and Over	19,800	19,774	19,528	99
For Beef Cow Replacement	5,764	5,535	5,530	100
For Milk Cow Replacement	3,986	4,069	3,954	97
Other Heifers	10,051	10,170	10,045	99
Steers 500 Pounds and Over	17,189	16,891	16,652	99
Bulls 500 Pounds and Over	2,270	2,281	2,294	101
Calves Under 500 Pounds	17,401	17,290	16,840	97
	1997	1998	1999	1999 as % of 1998
Calf Crop	38,961	38,812	38,710	100

¹ Totals may not add due to rounding.

Cattle and Calves: Balance Sheet, United States, 1997-1999 ¹

Item	1997	1998	1999
	<i>Million Head</i>	<i>Million Head</i>	<i>Million Head</i>
January 1 Beginning Inventory	101.7	99.7	99.1
Calf Crop and Imports	41.0	40.8	40.6
Total Supply ²	142.7	140.6	139.7
Slaughter	38.1	37.1	37.7
Deaths and Exports	5.0	4.5	4.4
Total Disappearance ²	43.1	41.6	42.0
Residual ²	0.2	0.2	0.4
January 1 Ending Inventory	99.7	99.1	98.0

¹ Final 1998 and preliminary 1999 estimates will be published in the "Meat Animals - Production, Disposition and Income" report published in April 2000.

² Totals may not add due to rounding.

**Cattle and Calves: Number by Class, State, and United States,
January 1, 1999-2000**

State	All Cattle and Calves			All Cows That Have Calved		
	1999	2000	2000 as % of 1999	1999	2000	2000 as % of 1999
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	1,500	1,460	97	820	820	100
AK	12.0	10.0	83	5.0	4.4	88
AZ	810	840	104	350	335	96
AR	1,820	1,840	101	970	970	100
CA	5,100	5,100	100	2,250	2,280	101
CO	3,200	3,150	98	920	920	100
CT	65	67	103	36	36	100
DE	29	27	93	13	13	100
FL	1,830	1,830	100	1,140	1,150	101
GA	1,300	1,310	101	710	710	100
HI	173	164	95	95	93	98
ID	1,900	1,950	103	800	820	103
IL	1,510	1,510	100	590	600	102
IN	1,010	970	96	420	395	94
IA	3,700	3,700	100	1,240	1,240	100
KS	6,550	6,550	100	1,590	1,580	99
KY	2,420	2,250	93	1,240	1,200	97
LA	900	910	101	550	565	103
ME	102	97	95	52	51	98
MD	250	245	98	135	127	94
MA	58	57	98	32	31	97
MI	1,050	1,010	96	405	395	98
MN	2,500	2,550	102	930	940	101
MS	1,160	1,070	92	630	615	98
MO	4,400	4,350	99	2,230	2,220	100
MT	2,600	2,600	100	1,570	1,600	102
NE	6,700	6,650	99	2,050	2,050	100
NV	510	510	100	260	260	100
NH	47	47	100	24	24	100
NJ	53	48	91	28	26	93
NM	1,630	1,640	101	790	800	101
NY	1,460	1,460	100	780	780	100
NC	980	940	96	510	510	100
ND	1,920	1,830	95	1,030	990	96
OH	1,230	1,230	100	540	540	100
OK	5,300	5,200	98	2,000	1,990	100
OR	1,530	1,450	95	750	740	99
PA	1,670	1,640	98	770	760	99
RI	6.0	6.0	100	3.4	3.4	100
SC	480	465	97	255	250	98
SD	3,900	3,900	100	1,780	1,830	103
TN	2,180	2,100	96	1,130	1,110	98
TX	14,100	13,900	99	5,870	5,780	98
UT	890	910	102	430	450	105
VT	310	295	95	170	170	100
VA	1,700	1,600	94	810	780	96
WA	1,170	1,210	103	540	550	102
WV	440	420	95	225	220	98
WI	3,400	3,400	100	1,580	1,580	100
WY	1,560	1,580	101	830	830	100
US	99,115.0	98,048.0	99	42,878.4	42,733.8	100

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**Cattle and Calves: Number by Class, State, and United States,
January 1, 1999-2000 (continued)**

State	Beef Cows That Have Calved			Milk Cows That Have Calved		
	1999	2000	2000 as % of 1999	1999	2000	2000 as % of 1999
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	793	793	100	27	27	100
AK	4.1	3.5	85	0.9	0.9	100
AZ	218	200	92	132	135	102
AR	928	928	100	42	42	100
CA	810	790	98	1,440	1,490	103
CO	837	837	100	83	83	100
CT	7	8	114	29	28	97
DE	3	3	100	10	10	100
FL	983	994	101	157	156	99
GA	620	620	100	90	90	100
HI	86	84	98	9	9	100
ID	498	488	98	302	332	110
IL	465	480	103	125	120	96
IN	283	257	91	137	138	101
IA	1,020	1,025	100	220	215	98
KS	1,506	1,492	99	84	88	105
KY	1,105	1,070	97	135	130	96
LA	486	504	104	64	61	95
ME	10	10	100	42	41	98
MD	49	41	84	86	86	100
MA	7	6	86	25	25	100
MI	105	95	90	300	300	100
MN	385	400	104	545	540	99
MS	591	579	98	39	36	92
MO	2,065	2,062	100	165	158	96
MT	1,552	1,582	102	18	18	100
NE	1,978	1,974	100	72	76	106
NV	235	235	100	25	25	100
NH	4	5	125	20	19	95
NJ	10	10	100	18	16	89
NM	572	564	99	218	236	108
NY	78	80	103	702	700	100
NC	437	438	100	73	72	99
ND	980	940	96	50	50	100
OH	280	282	101	260	258	99
OK	1,908	1,898	99	92	92	100
OR	662	650	98	88	90	102
PA	151	141	93	619	619	100
RI	1.3	1.5	115	2.1	1.9	90
SC	231	227	98	24	23	96
SD	1,678	1,728	103	102	102	100
TN	1,030	1,014	98	100	96	96
TX	5,530	5,430	98	340	350	103
UT	335	355	106	95	95	100
VT	8	11	138	162	159	98
VA	688	661	96	122	119	98
WA	292	304	104	248	246	99
WV	207	202	98	18	18	100
WI	210	220	105	1,370	1,360	99
WY	824	824	100	6	6	100
US	33,745.4	33,546.0	99	9,133.0	9,187.8	101

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**Cattle and Calves: Number by Class, State, and United States,
January 1, 1999-2000 (continued)**

State	Heifers 500 Pounds and Over					
	Beef Cow Replacement		Milk Cow Replacement		Other	
	1999	2000	1999	2000	1999	2000
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
AL	111	95	9	10	50	45
AK	1.4	0.6	0.4	0.4	0.3	0.2
AZ	40	39	23	26	34	23
AR	170	170	20	15	55	65
CA	145	145	720	720	190	175
CO	145	150	45	40	720	740
CT	1	2	12	12	1	1
DE	0.9	1.8	2.7	2.5	1.4	0.5
FL	145	145	40	40	25	25
GA	85	85	29	35	35	35
HI	16	14	4	4	5	6
ID	95	100	135	160	210	205
IL	55	55	60	60	210	200
IN	45	42	62	60	80	68
IA	140	140	120	110	650	590
KS	240	240	45	40	1,460	1,560
KY	150	145	55	45	105	80
LA	85	81	15	12	18	17
ME	3.0	4.0	20.0	18.0	1.0	2.0
MD	14	10	29	33	8	11
MA	1.2	2.0	12.0	10.0	0.8	1.0
MI	32	30	145	125	45	50
MN	90	100	290	290	170	180
MS	107	80	17	15	32	20
MO	265	255	75	65	260	260
MT	340	380	10	10	225	180
NE	300	290	30	30	1,530	1,540
NV	43	47	8	9	35	35
NH	1.5	2.0	10.0	10.0	0.5	1.0
NJ	3	3	7	5	1	2
NM	100	100	55	55	145	135
NY	20	30	310	300	40	40
NC	70	60	30	29	19	17
ND	165	160	15	15	210	230
OH	55	60	125	110	65	60
OK	310	330	30	30	530	490
OR	150	150	55	50	145	130
PA	42	40	280	280	48	40
RI	0.3	0.4	0.7	0.8	0.1	0.1
SC	42	40	10	11	13	13
SD	265	280	35	40	510	540
TN	155	145	45	40	70	45
TX	820	770	110	80	1,660	1,630
UT	72	70	43	46	70	74
VT	4	4	68	60	2	5
VA	115	112	63	60	70	63
WA	45	59	98	99	117	126
WV	35	31	5	5	29	25
WI	40	40	640	630	80	80
WY	160	195	1	1	189	184
US	5,535.3	5,529.8	4,068.8	3,953.7	10,170.1	10,044.8

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**Cattle and Calves: Number by Class, State, and United States,
January 1, 1999-2000 (continued)**

State	Steers 500 Pounds and Over		Bulls 500 Pounds and Over		Calves Under 500 Pounds	
	1999	2000	1999	2000	1999	2000
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
AL	72	65	53	55	385	370
AK	0.9	0.6	2.0	1.2	2.0	2.6
AZ	210	210	22	22	131	185
AR	85	100	55	55	465	465
CA	665	660	70	70	1,060	1,050
CO	1,040	990	50	50	280	260
CT	2.5	2.5	0.5	1.0	12.0	12.5
DE	3.5	2.8	0.5	0.4	7.0	6.0
FL	35	25	60	60	385	385
GA	50	50	41	40	350	355
HI	8	8	5	4	40	35
ID	365	365	40	40	255	260
IL	305	295	30	30	260	270
IN	160	163	23	22	220	220
IA	960	1,020	70	70	520	530
KS	2,260	2,250	85	85	870	795
KY	225	180	75	70	570	530
LA	25	22	32	33	175	180
ME	3.5	3.0	1.5	1.0	21.0	18.0
MD	13	20	5	4	46	40
MA	1.5	2.5	1.5	1.5	9.0	9.0
MI	195	200	18	18	210	192
MN	455	460	35	40	530	540
MS	51	38	43	42	280	260
MO	510	450	120	120	940	980
MT	245	230	100	105	110	95
NE	2,140	2,170	105	110	545	460
NV	57	55	15	16	92	88
NH	2.0	1.5	0.5	0.5	8.5	8.0
NJ	4	3	1	1	9	8
NM	210	200	50	50	280	300
NY	30	40	20	20	260	250
NC	52	30	34	34	265	260
ND	270	260	55	55	175	120
OH	155	160	30	30	260	270
OK	1,150	1,150	120	120	1,160	1,090
OR	180	160	40	40	210	180
PA	175	165	25	25	330	330
RI	0.5	0.3	0.1	0.1	0.9	0.9
SC	20	15	20	19	120	117
SD	750	710	90	95	470	405
TN	120	110	70	70	590	580
TX	2,590	2,580	380	380	2,670	2,680
UT	120	112	22	23	133	135
VT	2.5	3.0	3.5	3.0	60.0	50.0
VA	190	175	42	40	410	370
WA	185	190	26	28	159	158
WV	52	45	14	14	80	80
WI	290	310	30	30	740	730
WY	200	195	50	50	130	125
US	16,890.9	16,652.2	2,281.1	2,293.7	17,290.4	16,840.0

Calf Crop: Number by State and United States, 1998-1999

State	1998	1999	1999 as % 1998
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	740	720	97
AK	4.0	3.9	98
AZ	285	280	98
AR	840	850	101
CA	1,920	1,950	102
CO	870	870	100
CT	29	30	103
DE	9.5	10.5	111
FL	960	960	100
GA	590	590	100
HI	73	72	99
ID	770	780	101
IL	540	550	102
IN	380	360	95
IA	1,140	1,150	101
KS	1,450	1,450	100
KY	1,160	1,130	97
LA	430	440	102
ME	48	46	96
MD	110	105	95
MA	24	24	100
MI	365	355	97
MN	900	900	100
MS	540	540	100
MO	2,070	2,060	100
MT	1,520	1,570	103
NE	1,860	1,860	100
NV	220	220	100
NH	22	21	95
NJ	22	20	91
NM	620	630	102
NY	660	660	100
NC	450	450	100
ND	960	950	99
OH	490	500	102
OK	1,880	1,870	99
OR	690	680	99
PA	690	670	97
RI	2.6	3.0	115
SC	205	200	98
SD	1,720	1,780	103
TN	1,040	1,010	97
TX	5,250	5,150	98
UT	380	390	103
VT	158	150	95
VA	740	720	97
WA	490	500	102
WV	205	200	98
WI	1,460	1,450	99
WY	830	830	100
US	38,812.1	38,710.4	100

**Cattle and Calves: Total Number on Feed by State
and United States, January 1, 1999-2000 ¹**

State	1999	2000	2000 as % of 1999
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	4	4	100
AZ	206	272	132
AR	15	11	73
CA	400	415	104
CO	1,160	1,200	103
GA	2	3	150
ID	295	315	107
IL	240	230	96
IN	165	120	73
IA	1,020	1,100	108
KS	2,160	2,350	109
KY	15	15	100
MD	13	17	131
MI	200	200	100
MN	270	285	106
MO	105	100	95
MT	70	70	100
NE	2,240	2,440	109
NV	16	21	131
NJ	4	3	75
NM	118	116	98
NY	30	30	100
NC	8	5	63
ND	75	70	93
OH	180	190	106
OK	415	435	105
OR	65	50	77
PA	75	75	100
SC	6	6	100
SD	355	350	99
TN	15	10	67
TX	2,730	2,910	107
UT	40	35	88
VA	30	27	90
WA	205	235	115
WV	10	7	70
WI	150	160	107
WY	100	90	90
Oth Sts ²	12	11	92
US	13,219	13,983	106

¹ Cattle and calves on feed are animals for slaughter market being fed a ration of grain or other concentrates and are expected to produce a carcass that will grade select or better. Cattle and calves on feed are included in the cattle inventory estimates by classes.

² Other States include AK, CT, DE, FL, HI, LA, ME, MA, MS, NH, RI, and VT.

**Cattle and Calves: Number by Class and Calf Crop
United States, July 1, 1997-1999**

Class	1997	1998	1999 ¹	1999 as % of 1998
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
Cattle and Calves	109,200	107,700	107,000	99
Cows and Heifers That Have Calved	44,100	43,600	43,300	99
Beef Cows	34,800	34,400	34,150	99
Milk Cows	9,300	9,200	9,150	99
Heifers 500 Pounds and Over	17,100	16,700	16,600	99
For Beef Cow Replacement	5,300	5,000	4,800	96
For Milk Cow Replacement	3,600	3,600	3,700	103
Other Heifers	8,200	8,100	8,100	100
Steers 500 Pounds and Over	14,800	14,600	14,400	99
Bulls 500 Pounds and Over	2,300	2,200	2,200	100
Calves Under 500 Pounds	30,900	30,600	30,500	100
Calf Crop	38,961	38,812	38,710	100
Cattle on Feed	10,900	11,000	11,500	105

¹ Revised.

**Calf Crop: Number and Percent of Total by Six Month Period,
United States, 1997-1999**

Period	1997		1998		1999	
	Number	% of Total	Number	% of Total	Number	% of Total
	<i>1,000 Hd</i>	<i>Percent</i>	<i>1,000 Hd</i>	<i>Percent</i>	<i>1,000 Hd</i>	<i>Percent</i>
Jan 1 - Jun 30	28,600	73.4	28,500	73.4	28,500	73.6
Jul 1 - Dec 31	10,361	26.6	10,312	26.6	10,210	26.4
Total	38,961	100.0	38,812	100.0	38,710	100.0

**Cattle and Calves: Balance Sheet, United States,
January 1 - June 30, 1997-1999**

Item	1997	1998	1999
	<i>Million Head</i>	<i>Million Head</i>	<i>Million Head</i>
January 1 Inventory	101.7	99.7	99.1
Calf Crop and Imports	29.6	29.5	29.5
Total Supply ¹	131.3	129.3	128.6
Slaughter	19.1	18.5	18.6
Deaths and Exports	2.8	2.7	2.5
Total Disappearance ¹	21.9	21.1	21.1
Residual ¹	-0.1	-0.4	-0.5
July 1 Inventory	109.2	107.7	107.0

¹ Totals may not add due to rounding.

**Cattle and Calves: Number of Operations and Percent of Inventory
by Size Group, United States, 1998-1999 ¹**

Head	Operations		Percent of Inventory	
	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Percent</i>
Cattle and Calves ²				
1-49	695,400	685,500	12.4	12.2
50-99	194,510	186,230	13.0	12.8
100-499	198,515	196,750	37.0	37.1
500-999	17,845	18,100	11.7	12.0
1,000-1,999	6,100	6,100	7.3	7.4
2,000-4,999	2,450	2,450	6.4	6.4
5,000-9,999	450	440	2.8	2.8
10,000-19,999	200	220	2.8	3.0
20,000+	180	170	6.6	6.3
Beef Cows ³				
1-49	678,350	666,050	30.4	29.9
50-99	101,400	101,080	18.9	19.1
100-499	70,285	70,695	36.1	36.6
500-999	4,020	4,060	7.5	7.6
1,000-1,999	1,050	1,010	3.6	3.5
2,000-4,999	300	285	2.2	2.1
5,000+	55	50	1.3	1.2
Milk Cows ⁴				
1-29	36,200	33,110	3.5	3.1
30-49	25,485	23,925	10.5	10.1
50-99	34,017	33,090	24.2	23.2
100-199	13,908	13,115	19.3	18.4
200-499	5,155	5,425	15.5	16.3
500-999	1,500	1,600	10.0	11.0
1,000-1,999	680	700	9.6	10.0
2,000+	235	255	7.4	7.9

¹ Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on beginning-of-year and mid-year surveys.

² An operation is any place having one or more head of cattle on hand at any time during the year.

³ An operation is any place having one or more head of beef cows on hand at any time during the year.

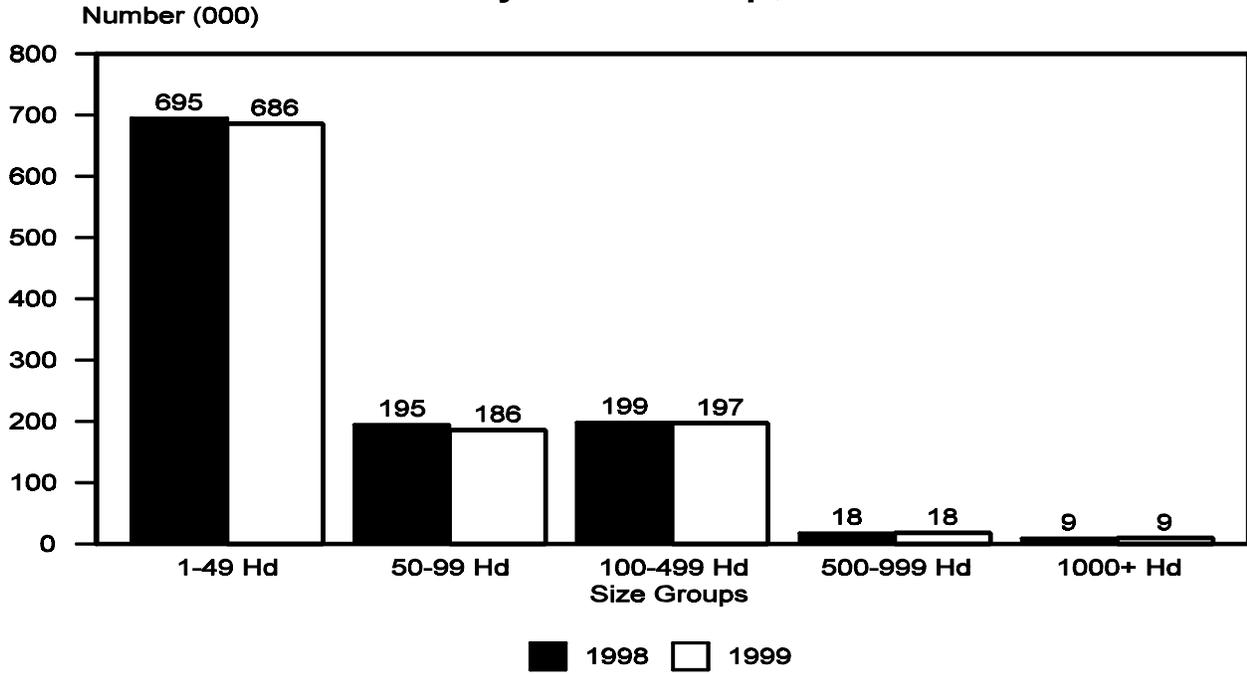
⁴ An operation is any place having one or more head of milk cows, excluding cows used to nurse calves, on hand at any time during the year.

**Cattle and Calves: Number of Operations by State
and United States, 1998-1999 ¹**

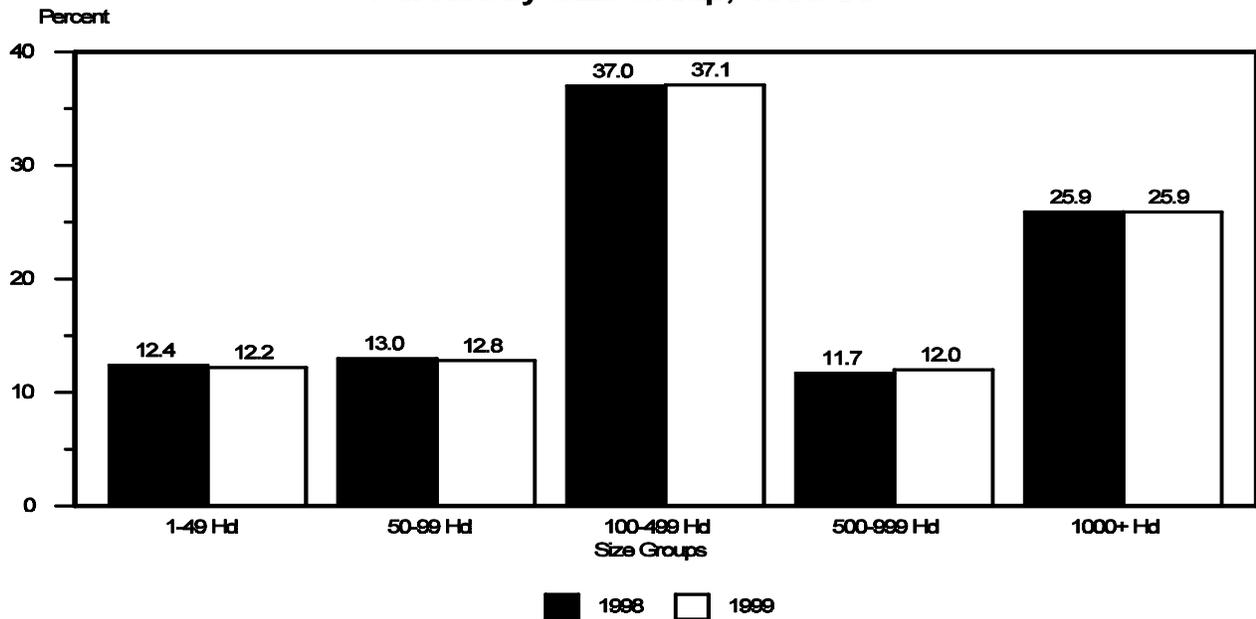
State	Operations With Cattle and Calves	
	1998	1999
	<i>Number</i>	<i>Number</i>
AL	30,000	28,000
AK	120	120
AZ	3,200	3,200
AR	31,000	31,000
CA	23,000	23,000
CO	15,500	15,000
CT	1,200	1,200
DE	450	480
FL	22,000	21,000
GA	23,000	23,000
HI	830	800
ID	12,000	12,000
IL	26,000	26,000
IN	24,000	23,000
IA	39,000	37,000
KS	37,000	37,000
KY	50,000	48,000
LA	15,500	15,500
ME	2,000	1,900
MD	4,500	4,500
MA	1,400	1,300
MI	16,000	16,000
MN	31,000	30,000
MS	26,000	26,000
MO	69,000	69,000
MT	14,000	13,500
NE	29,000	28,000
NV	1,700	1,700
NH	950	950
NJ	1,800	1,800
NM	8,700	8,700
NY	17,500	17,500
NC	30,000	28,000
ND	14,300	14,300
OH	30,000	28,000
OK	62,000	60,000
OR	17,200	16,900
PA	28,000	28,000
RI	200	210
SC	11,000	11,000
SD	21,000	21,000
TN	55,000	53,000
TX	147,000	153,000
UT	8,000	7,900
VT	3,200	3,200
VA	29,000	28,000
WA	17,000	15,000
WV	14,000	13,000
WI	45,000	43,000
WY	6,400	6,300
US	1,115,650	1,095,960

¹ An operation is any place having one or more head of cattle on hand at any time during the year.

U.S. Cattle Operations Number by Size Group, 1998-1999



U.S. Cattle Inventory Percent by Size Group, 1998-99



**Cattle and Calves: Number of Operations by Size Group,
Selected States, and United States, 1998-1999 ¹**

State	Operations Having					
	1-49 Head		50-99 Head		100-499 Head	
	1998	1999	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL	21,000	19,500	4,500	4,300	4,200	3,900
AZ	1,900	1,900	350	350	650	650
AR	20,000	20,000	6,500	6,300	4,200	4,400
CA	15,400	15,400	1,900	1,900	3,400	3,400
CO	8,100	8,200	2,600	2,300	3,700	3,400
FL	17,000	16,000	2,250	2,300	2,100	2,050
GA	16,300	16,000	3,700	3,810	2,700	2,900
ID	7,000	7,000	1,700	1,700	2,630	2,600
IL	16,900	17,100	4,800	4,800	4,100	3,900
IN	18,500	17,700	3,200	3,100	2,170	2,070
IA	19,500	17,000	9,000	9,150	9,650	10,000
KS	17,700	17,500	7,700	7,000	10,000	10,800
KY	35,000	33,000	9,000	8,900	5,750	5,900
LA	10,700	11,400	2,300	2,000	2,300	1,900
MD	3,000	3,000	680	730	785	730
MI	11,000	11,200	2,280	2,170	2,500	2,400
MN	15,200	14,800	8,100	7,500	7,300	7,300
MS	19,000	19,000	3,700	4,000	3,100	2,800
MO	43,000	43,000	14,000	13,900	11,400	11,500
MT	5,500	5,100	2,250	2,150	5,100	5,000
NE	10,900	10,300	6,100	5,600	9,700	9,800
NM	4,900	5,000	1,200	1,270	1,870	1,700
NY	8,800	9,400	3,900	3,400	4,500	4,400
NC	25,000	23,000	3,200	3,200	1,710	1,710
ND	4,300	4,300	3,600	3,600	5,800	5,800
OH	23,000	22,000	3,800	3,000	3,030	2,840
OK	38,000	37,000	11,200	10,800	11,300	10,800
OR	12,600	12,600	1,630	1,400	2,300	2,200
PA	16,000	16,000	7,000	7,500	4,840	4,340
SD	6,300	6,200	4,200	4,000	8,800	9,000
TN	41,000	40,000	8,500	7,800	5,300	5,000
TX	96,000	103,000	24,000	22,000	23,000	24,000
UT	4,500	4,500	1,220	1,200	1,900	1,800
VT	1,400	1,500	750	700	990	940
VA	19,000	18,300	5,400	5,300	4,300	4,100
WA	13,500	11,500	1,100	1,200	2,000	1,900
WI	19,000	18,000	12,000	11,500	13,540	13,000
WY	2,100	2,100	1,000	900	2,400	2,400
Oth Sts	27,400	27,000	4,200	3,500	3,500	3,420
US	695,400	685,500	194,510	186,230	198,515	196,750

See footnotes at end of table.

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Cattle and Calves: Number of Operations by Size Group, Selected States, and United States, 1998-1999 ¹ (continued)

State	Operations Having			
	500-999 Head		1,000+ Head	
	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL	240	240	60	60
AZ	150	150	150	150
AR	230	240	70	60
CA	1,100	1,100	1,200	1,200
CO	650	650	450	450
FL	350	350	300	300
GA	240	240	60	50
ID	400	400	270	300
IL	150	160	50	40
IN	100	100	30	30
IA	600	600	250	250
KS	1,000	1,100	600	600
KY	200	150	50	50
LA	160	160	40	40
MD	25	30	10	10
MI	160	170	60	60
MN	300	300	100	100
MS	150	150	50	50
MO	470	460	130	140
MT	800	850	350	400
NE	1,350	1,300	950	1,000
NM	380	380	350	350
NY	220	220	80	80
NC	70	70	20	20
ND	520	520	80	80
OH	140	130	30	30
OK	1,000	900	500	500
OR	440	480	230	220
PA	130	130	30	30
SD	1,200	1,300	500	500
TN	170	170	30	30
TX	2,600	2,700	1,400	1,300
UT	250	270	130	130
VT	50	50	10	10
VA	250	250	50	50
WA	250	260	150	140
WI	390	410	70	90
WY	600	600	300	300
Oth Sts	360	360	190	180
US	17,845	18,100	9,380	9,380

¹ An operation is any place having one or more head of cattle on hand at any time during the year.

**Cattle and Calves: Percent of Inventory by Size Group,
Selected States, and United States, 1998-1999¹**

State	Inventory on Operations Having									
	1-49 Head		50-99 Head		100-499 Head		500-999 Head		1,000+ Head	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AL	24.0	24.0	17.0	18.0	45.0	44.0	9.3	9.2	4.7	4.8
AZ	3.0	2.5	2.5	2.5	17.0	16.0	10.5	11.0	67.0	68.0
AR	22.0	22.0	24.0	24.0	41.0	41.0	7.0	7.0	6.0	6.0
CA	3.3	3.3	2.7	2.7	16.0	16.0	17.0	17.0	61.0	61.0
CO	4.6	4.0	5.6	5.0	24.0	22.0	12.8	14.0	53.0	55.0
FL	13.0	12.0	8.0	9.0	23.0	23.0	13.0	13.0	43.0	43.0
GA	23.0	21.0	20.0	20.0	38.0	40.0	11.0	12.5	8.0	6.5
ID	6.0	6.0	6.5	6.5	30.0	29.0	14.5	14.5	43.0	44.0
IL	20.0	20.0	21.0	22.0	47.0	47.0	6.5	6.5	5.5	4.5
IN	32.0	33.0	21.0	21.0	37.0	36.0	6.0	6.0	4.0	4.0
IA	10.0	8.5	17.0	17.0	50.0	52.0	11.0	10.5	12.0	12.0
KS	6.0	6.0	8.0	7.0	29.0	32.0	10.0	11.0	47.0	44.0
KY	28.0	27.5	24.0	25.0	39.5	40.0	5.1	3.9	3.4	3.6
LA	22.0	23.0	15.0	15.0	45.0	44.0	11.0	11.0	7.0	7.0
MD	19.0	16.0	16.5	18.0	53.0	52.0	6.5	8.0	5.0	6.0
MI	18.0	17.0	15.0	14.0	46.0	48.0	10.0	11.0	11.0	10.0
MN	12.0	12.5	23.0	21.0	50.0	52.0	8.0	8.0	7.0	6.5
MS	27.0	25.0	21.0	22.0	37.0	39.0	7.0	7.0	8.0	7.0
MO	19.0	19.0	21.0	21.0	48.0	48.0	7.0	7.0	5.0	5.0
MT	4.0	3.0	6.0	6.0	44.0	41.0	20.0	22.0	26.0	28.0
NE	3.5	3.2	6.2	5.8	30.0	31.0	13.3	13.0	47.0	47.0
NM	4.5	5.0	4.5	5.0	24.0	22.0	15.0	16.0	52.0	52.0
NY	11.0	11.0	19.0	17.0	52.0	53.0	10.0	10.0	8.0	9.0
NC	35.0	35.0	22.0	22.0	34.0	34.0	4.9	5.1	4.1	3.9
ND	5.5	5.0	11.0	11.0	61.0	61.0	16.0	16.5	6.5	6.5
OH	29.0	31.0	20.0	17.0	41.0	42.0	6.5	6.7	3.5	3.3
OK	14.0	14.0	14.0	14.0	37.0	37.0	12.0	11.0	23.0	24.0
OR	11.0	12.0	7.0	6.0	31.0	31.0	20.0	20.0	31.0	31.0
PA	17.0	16.0	26.0	30.0	49.0	46.0	5.0	5.0	3.0	3.0
SD	4.0	3.0	8.0	7.0	49.0	50.0	20.0	21.0	19.0	19.0
TN	35.0	35.0	24.0	23.0	34.0	35.0	5.0	5.3	2.0	1.7
TX	12.0	13.0	11.0	11.0	31.0	30.0	12.0	12.0	34.0	34.0
UT	7.5	6.5	9.5	9.5	43.0	42.0	18.0	19.0	22.0	23.0
VT	8.0	7.0	18.0	16.0	57.0	62.0	11.0	10.0	6.0	5.0
VA	22.0	21.0	21.0	22.0	44.0	44.0	9.0	9.0	4.0	4.0
WA	11.0	9.0	6.0	7.0	36.0	33.0	14.0	16.0	33.0	35.0
WI	9.7	9.7	22.0	21.0	58.0	58.0	7.5	7.8	2.8	3.5
WY	3.0	3.0	4.0	3.5	32.0	31.0	24.0	25.5	37.0	37.0
Oth Sts	20.0	20.0	14.0	13.0	34.0	33.0	11.0	12.0	21.0	22.0
US	12.4	12.2	13.0	12.8	37.0	37.1	11.7	12.0	25.9	25.9

¹ Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on beginning-of-year and mid-year surveys.

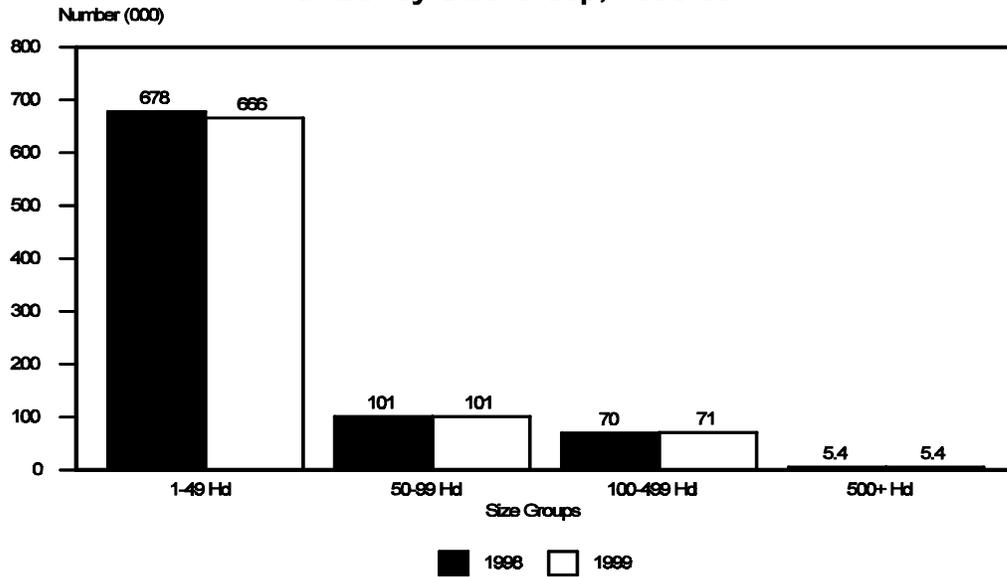
Beef Cows: Number of Operations by State and United States, 1998-1999 ¹

State	Operations With Beef Cows ²	
	1998 <i>Number</i>	1999 <i>Number</i>
AL	28,000	27,000
AK	90	90
AZ	2,300	2,200
AR	28,000	28,000
CA	14,500	14,300
CO	11,700	11,200
CT	750	750
DE	240	250
FL	20,000	18,000
GA	22,000	22,000
HI	750	700
ID	8,000	8,000
IL	17,700	17,700
IN	15,500	15,000
IA	28,000	27,000
KS	29,000	29,000
KY	42,000	41,000
LA	12,900	13,100
ME	1,000	900
MD	2,800	2,800
MA	850	750
MI	7,800	7,200
MN	15,800	15,800
MS	24,000	24,000
MO	59,000	59,000
MT	12,700	12,300
NE	23,000	23,000
NV	1,400	1,400
NH	550	550
NJ	1,100	1,100
NM	7,000	7,000
NY	6,400	6,700
NC	27,000	25,000
ND	12,700	12,700
OH	17,500	17,000
OK	52,000	50,000
OR	13,500	13,500
PA	11,300	11,300
RI	130	140
SC	10,000	10,000
SD	17,500	17,000
TN	47,000	46,000
TX	131,000	135,000
UT	5,600	5,600
VT	1,100	1,000
VA	23,000	23,000
WA	12,000	10,000
WV	12,000	11,000
WI	11,800	11,700
WY	5,500	5,500
US	855,460	843,230

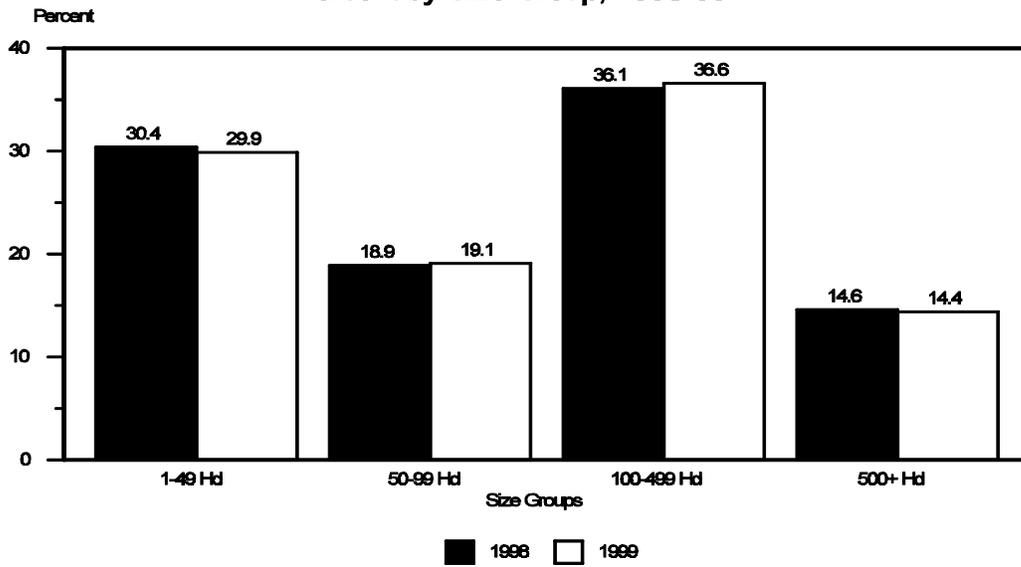
¹ An operation is any place having one or more head of beef cows on hand at any time during the year.

² Included in operations with cattle.

U.S. Beef Cow Operations Number by Size Group, 1998-99



U.S. Beef Cow Inventory Percent by Size Group, 1998-99



Beef Cows: Number of Operations by Size Group, Selected States, and United States, 1998-1999 ^{1 2}

State	Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1998	1999	1998	1999	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL	23,000	22,000	3,200	3,200	1,750	1,750	50	50
AZ	1,450	1,450	300	200	450	450	100	100
AR	22,800	22,800	3,500	3,500	1,640	1,640	60	60
CA	11,100	11,100	1,300	1,100	1,800	1,800	300	300
CO	7,200	7,100	1,900	1,700	2,350	2,150	250	250
FL	16,500	14,500	1,600	1,800	1,570	1,400	330	300
GA	18,700	18,400	2,160	2,370	1,100	1,200	40	30
ID	5,500	5,500	1,000	1,000	1,360	1,360	140	140
IL	15,500	15,500	1,600	1,600	585	585	15	15
IN	14,400	14,000	850	770	250	230		
IA	21,000	19,900	5,000	5,000	1,970	2,070	30	30
KS	19,600	19,200	5,500	5,500	3,760	4,150	140	150
KY	36,000	35,000	4,200	4,300	1,770	1,670	30	30
LA	10,500	10,800	1,200	1,200	1,130	1,050	70	50
MN	13,600	13,700	1,650	1,550	530	530	20	20
MS	20,000	20,000	3,000	2,900	950	1,060	50	40
MO	47,000	47,000	8,200	8,200	3,690	3,690	110	110
MT	5,700	5,200	2,300	2,370	4,200	4,200	500	530
NC	24,900	22,900	1,500	1,500	590	590	10	10
NE	12,700	12,700	4,800	4,800	5,000	4,980	500	520
NM	4,500	4,500	1,030	1,080	1,250	1,200	220	220
ND	6,000	6,000	3,500	3,400	3,140	3,230	60	70
OH	16,500	16,100	740	700	250	190	10	10
OK	40,000	38,500	7,900	7,400	3,900	3,900	200	200
OR	10,900	10,800	1,070	1,300	1,300	1,190	230	210
PA	10,800	10,800	390	390	110	110		
SD	8,000	7,300	4,000	3,950	5,200	5,400	300	350
TN	42,000	41,100	3,700	3,500	1,280	1,380	20	20
TX	103,000	106,000	15,800	16,500	11,300	11,600	900	900
UT	3,700	3,700	900	900	900	910	100	90
VA	19,000	18,900	2,700	2,900	1,260	1,160	40	40
WA	10,600	8,600	690	700	660	650	50	50
WY	2,200	2,300	1,020	1,000	1,900	1,850	380	350
Oth Sts	54,000	52,700	3,200	2,800	1,390	1,370	170	160
US	678,350	666,050	101,400	101,080	70,285	70,695	5,425	5,405

¹ An operation is any place having one or more head of beef cows on hand at any time during the year.

² Included in operations with cattle. Missing data combined with other size groups.

Beef Cows: Percent of Inventory by Size Group, Selected States, and United States, 1998-1999^{1 2}

State	Inventory on Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1998	1999	1998	1999	1998	1999	1998	1999
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AL	41.0	40.0	23.0	24.0	32.0	32.0	4.0	4.0
AZ	8.0	8.0	7.0	5.0	37.0	38.0	48.0	49.0
AR	43.0	43.0	25.0	25.0	28.0	28.0	4.0	4.0
CA	13.0	13.0	10.0	9.0	43.0	43.0	34.0	35.0
CO	14.0	14.0	15.0	14.0	50.0	48.0	21.0	24.0
FL	18.0	17.0	10.0	12.0	27.0	26.0	45.0	45.0
GA	44.0	43.0	22.0	23.0	29.0	31.0	5.0	3.0
ID	16.0	16.0	13.0	13.0	48.0	48.0	23.0	23.0
IL	56.0	56.0	24.0	23.0	18.2	19.0	1.8	2.0
IN	68.0	71.0	18.0	17.0	14.0	12.0		
IA	39.5	37.0	30.0	32.0	28.0	28.5	2.5	2.5
KS	28.0	26.0	24.0	23.0	41.0	44.0	7.0	7.0
KY	53.0	53.0	23.0	25.0	22.5	20.5	1.5	1.5
LA	34.0	37.0	16.0	16.0	38.0	39.0	12.0	8.0
MN	50.0	50.0	28.0	27.0	18.5	19.5	3.5	3.5
MS	42.0	41.0	26.0	26.0	27.0	29.0	5.0	4.0
MO	42.0	43.0	26.0	25.0	27.0	27.0	5.0	5.0
MT	7.0	5.0	10.0	10.0	56.0	56.0	27.0	29.0
NC	59.0	57.0	21.0	21.0	18.0	20.0	2.0	2.0
NE	13.0	12.0	17.0	17.0	47.0	48.0	23.0	23.0
NM	12.0	11.0	11.0	12.0	42.0	42.0	35.0	35.0
ND	14.5	13.5	22.0	22.0	59.0	60.0	4.5	4.5
OH	71.0	71.0	15.0	16.0	11.7	10.7	2.3	2.3
OK	35.0	35.0	23.0	23.0	34.0	34.0	8.0	8.0
OR	18.0	17.0	10.0	12.0	40.0	39.0	32.0	32.0
PA	74.0	72.0	15.0	16.0	11.0	12.0		
SD	11.0	10.0	17.0	16.0	58.0	59.0	14.0	15.0
TN	58.0	57.0	23.0	22.5	17.5	19.3	1.5	1.2
TX	29.0	29.0	18.0	19.0	37.0	37.0	16.0	15.0
UT	15.0	13.0	17.0	17.0	45.0	46.0	23.0	24.0
VA	45.0	44.0	24.0	27.0	27.0	25.0	4.0	4.0
WA	27.0	25.0	15.0	17.0	40.0	42.0	18.0	16.0
WY	5.0	6.0	8.0	9.0	48.0	48.0	39.0	37.0
Oth Sts	49.0	49.0	16.0	15.0	19.0	19.0	16.0	17.0
US	30.4	29.9	18.9	19.1	36.1	36.6	14.6	14.4

¹ Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on beginning-of-year and mid-year surveys.

² Missing data combined with other size groups.

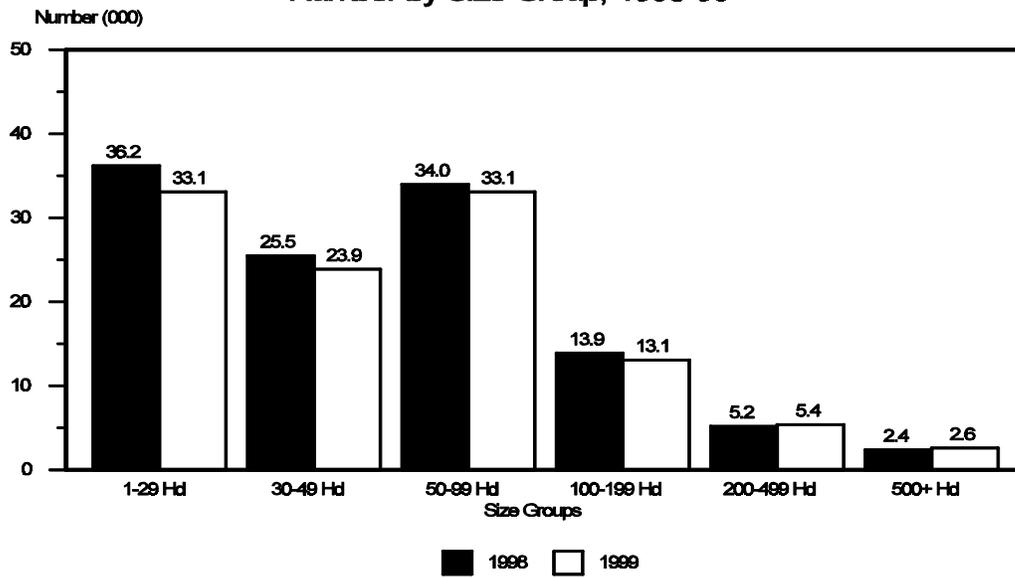
Milk Cows: Number of Operations by State and United States, 1998-1999 ¹

State	Operations With Milk Cows ²	
	1998 <i>Number</i>	1999 <i>Number</i>
AL	380	340
AK	30	30
AZ	250	250
AR	1,200	1,100
CA	2,700	2,600
CO	900	900
CT	350	350
DE	130	130
FL	650	550
GA	950	850
HI	50	50
ID	1,300	1,200
IL	2,300	2,200
IN	3,300	3,200
IA	4,300	4,000
KS	1,400	1,400
KY	3,400	3,200
LA	800	700
ME	700	700
MD	1,100	1,100
MA	450	450
MI	4,000	3,700
MN	9,700	9,100
MS	600	550
MO	4,300	4,100
MT	700	650
NE	1,400	1,400
NV	150	150
NH	300	300
NJ	350	350
NM	500	500
NY	8,700	8,200
NC	1,100	1,000
ND	1,200	1,200
OH	5,900	5,700
OK	2,100	2,000
OR	1,000	900
PA	11,200	11,000
RI	40	40
SC	300	260
SD	1,800	1,700
TN	2,000	1,800
TX	3,200	2,800
UT	900	820
VT	1,900	1,800
VA	1,800	1,700
WA	1,300	1,200
WV	800	700
WI	23,000	22,000
WY	300	300
US	117,180	111,220

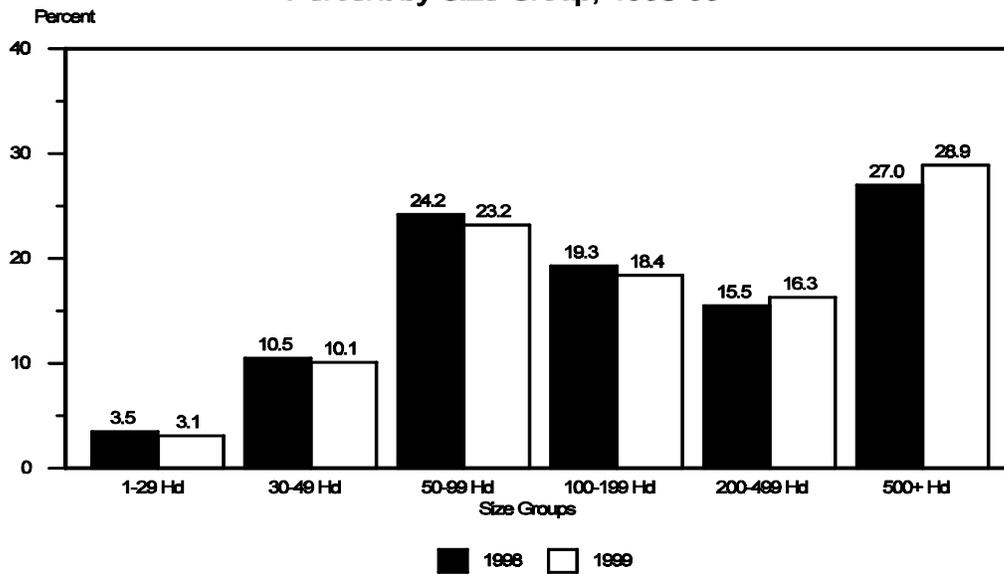
¹ An operation is any place having one or more head of milk cows, excluding cows used to nurse calves, on hand at any time during the year.

² Included in operations with cattle.

U.S. Milk Cow Operations Number by Size Group, 1998-99



U.S. Milk Cow Inventory Percent by Size Group, 1998-99



Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1998-1999 ^{1 2}

State	Operations Having					
	1-29 Head		30-49 Head		50-99 Head	
	1998	1999	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AZ	130	120			10	10
CA	420	380	90	70	110	70
CO	600	630	30	20	50	45
FL	400	300	10	10	32	40
GA	500	400	20	20	100	110
ID	350	300	140	120	250	250
IL	500	490	460	450	960	900
IN	1,900	1,700	520	600	560	550
IA	1,200	1,000	1,200	1,100	1,400	1,400
KY	1,500	1,400	670	600	900	900
MD	230	230	180	170	420	410
MI	950	1,000	900	700	1,100	1,000
MN	1,600	1,500	3,500	3,200	3,500	3,300
MO	1,900	1,800	780	800	990	890
NM	350	330			5	5
NY	1,600	1,400	1,800	1,600	3,500	3,200
NC	530	500	60	45	200	180
OH	2,900	2,800	880	810	1,400	1,400
OK	1,400	1,300	130	130	300	270
OR	550	430	30	30	110	90
PA	2,300	2,300	3,800	3,700	3,800	3,800
SD	800	800	350	290	420	330
TN	950	800	210	200	440	500
TX	1,500	1,300	200	190	400	380
UT	340	260	60	50	165	190
VT	190	130	320	320	900	870
VA	760	600	100	150	450	480
WA	450	410	45	50	145	120
WI	4,300	4,000	7,300	6,900	8,900	8,400
Oth Sts	5,100	4,500	1,700	1,600	2,500	3,000
US	36,200	33,110	25,485	23,925	34,017	33,090

See footnotes at end of table.

--continued

Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1998-1999^{1 2} (continued)

State	Operations Having					
	100-199 Head		200-499 Head		500+ Head	
	1998	1999	1998	1999	1998	1999
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AZ	10	10	20	20	80	90
CA	270	250	750	730	1,060	1,100
CO	80	70	90	80	50	55
FL	38	40	75	70	95	90
GA	190	190	110	100	30	30
ID	240	210	180	170	140	150
IL	330	300	50	55		5
IN	270	300	40	40	10	10
IA	390	410	105	80	5	10
KY	280	250	45	45	5	5
MD	220	230	45	50	5	10
MI	810	750	205	200	35	50
MN	800	750	260	290	40	60
MO	570	540	60	70		
NM	10	15	20	20	115	130
NY	1,300	1,400	390	480	110	120
NC	220	190	75	70	15	15
OH	600	570	110	110	10	10
OK	220	240	40	50	10	10
OR	170	200	110	120	30	30
PA	1,050	930	235	255	15	15
SD	170	210	40	40	20	30
TN	300	200	90	90	10	10
TX	500	390	400	370	200	170
UT	190	180	120	110	25	30
VT	350	320	115	130	25	30
VA	380	340	100	120	10	10
WA	280	240	255	250	125	130
WI	1,950	2,000	490	610	60	90
Oth Sts	1,720	1,390	530	600	80	60
US	13,908	13,115	5,155	5,425	2,415	2,555

¹ An operation is any place having one or more head of milk cows, excluding cows used to nurse calves, on hand at any time during the year.

² Included in operations with cattle. Missing data combined with other size groups.

Milk Cows: Percent of Inventory by Size Group, Selected States, and United States, 1998-1999¹

State	Inventory on Operations Having					
	1-29 Head		30-49 Head		50-99 Head	
	1998	1999	1998	1999	1998	1999
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AZ	0.4	0.3			0.5	0.4
CA	0.1	0.1	0.3	0.2	0.7	0.4
CO	1.4	1.4	1.4	0.8	4.2	2.8
FL	0.5	0.5	0.2	0.2	1.5	1.8
GA	3.0	0.5	1.0	1.0	8.0	9.5
ID	0.7	0.6	1.8	1.4	6.0	5.5
IL	4.0	3.8	11.0	12.0	46.0	43.0
IN	14.0	12.0	18.0	20.0	31.0	28.0
IA	8.0	6.0	18.0	17.0	38.0	40.0
KY	8.0	8.0	18.0	16.0	40.0	42.0
MD	2.5	2.5	6.9	6.9	36.0	34.0
MI	4.5	5.0	10.5	8.0	25.0	23.0
MN	5.8	5.3	22.0	21.0	40.0	38.0
MO	7.0	6.0	16.0	18.0	33.0	30.0
NM	0.4	0.3			0.2	0.2
NY	2.5	2.0	10.5	10.0	34.0	31.0
NC	1.5	1.8	2.5	2.2	17.0	18.0
OH	12.0	11.0	12.5	13.0	35.0	34.0
OK	6.3	4.4	5.7	5.6	22.0	19.0
OR	1.0	0.7	1.3	1.3	9.7	8.0
PA	4.5	5.0	25.0	25.0	37.0	38.0
SD	5.5	4.5	13.0	10.5	28.0	21.0
TN	3.0	2.5	6.4	6.2	28.0	36.0
TX	0.8	1.0	2.0	2.0	8.2	8.0
UT	1.5	1.0	2.5	2.0	13.0	14.0
VT	1.0	0.7	9.0	9.3	34.0	32.0
VA	6.0	3.5	3.0	4.0	26.0	26.0
WA	0.4	0.3	0.7	0.8	3.9	2.9
WI	4.8	4.5	21.0	20.0	43.0	40.0
Oth Sts	4.0	3.0	8.0	8.0	25.0	28.0
US	3.5	3.1	10.5	10.1	24.2	23.2

See footnotes at end of table.

--continued

Milk Cows: Percent of Inventory by Size Group, Selected States, and United States, 1998-1999 ¹ (continued)

State	Inventory on Operations Having					
	100-199 Head		200-499 Head		500+ Head	
	1998	1999	1998	1999	1998	1999
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AZ	1.4	0.8	5.7	4.5	92.0	94.0
CA	3.4	3.3	17.5	17.0	78.0	79.0
CO	12.0	9.0	30.0	22.0	51.0	64.0
FL	3.8	3.5	15.0	15.0	79.0	79.0
GA	28.0	31.0	31.0	30.0	29.0	28.0
ID	11.5	9.5	19.0	17.0	61.0	66.0
IL	29.0	28.0	10.0	11.0		2.2
IN	25.0	27.0	7.0	7.5	5.0	5.5
IA	22.0	23.0	12.0	10.0	2.0	4.0
KY	24.0	23.0	8.0	9.0	2.0	2.0
MD	34.0	35.0	13.0	14.0	7.6	7.6
MI	32.0	32.0	18.0	18.0	10.0	14.0
MN	16.0	15.0	12.0	14.0	4.2	6.7
MO	36.0	36.0	8.0	10.0		
NM	0.7	1.0	2.7	2.5	96.0	96.0
NY	26.0	27.0	15.0	17.0	12.0	13.0
NC	37.0	36.0	27.0	27.0	15.0	15.0
OH	27.0	27.0	11.0	12.0	2.5	3.0
OK	30.0	33.0	12.0	14.0	24.0	24.0
OR	25.0	26.0	34.0	36.0	29.0	28.0
PA	22.0	19.0	9.5	11.0	2.0	2.0
SD	21.0	27.0	9.5	10.0	23.0	27.0
TN	37.0	28.0	20.0	21.0	5.6	6.3
TX	20.0	17.0	29.0	32.0	40.0	40.0
UT	25.0	24.0	37.0	35.0	21.0	24.0
VT	26.0	25.0	20.0	20.0	10.0	13.0
VA	38.0	36.0	22.0	25.0	5.0	5.5
WA	16.0	14.0	32.0	30.0	47.0	52.0
WI	18.0	18.0	10.0	13.0	3.2	4.5
Oth Sts	32.0	28.0	19.0	20.0	12.0	13.0
US	19.3	18.4	15.5	16.3	27.0	28.9

¹ Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on beginning-of-year and mid-year surveys. Missing data combined with other size groups.

Reliability of January 1 Cattle and Calves Estimates

Survey Procedures: A random sample of U.S. producers was surveyed to provide data for these estimates. Survey procedures ensured that all cattle producers, regardless of size, had a chance to be included in the survey. Large producers were sampled more heavily than small operations. Data were collected from about 50,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews and 84 percent of the reports were usable. Regardless of when operators responded, they were asked to report inventories as of January 1.

Estimating Procedures: These cattle estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each State office. National and State survey data were reviewed for reasonableness with each other and with estimates from the previous year using a balance sheet. The balance sheet begins with the previous inventory estimate, adds to it estimates of births and imports, and subtracts 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 year to year and item to item relationships. Estimates for the previous year are subject to revision when current estimates are made. The reviews are primarily based on livestock slaughter and additional foreign trade and survey data. 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 cattle operators 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, duplications, 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 estimates in this report, the "**Root Mean Square Error**" is shown for selected items in the table on the next page. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between first and latest estimates. The "Root Mean Square Error" for cattle inventory estimates over the past 20 years is .6 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 98.0 million head by more than .6 percent. Chances are 9 out of 10 that the difference will not exceed 1.0 percent.

The table below also shows a 20 year record of the range of differences between first and latest estimates for selected items. Using estimates of all cattle and calves as an example, changes between the first inventory estimate and the latest estimate during the past 20 years have averaged 980,000 head, ranging from 87,000 to 1,419,000 head. During this period the initial inventory estimate has been below the final estimate 6 times and above the final estimate 14 times. This does not imply that the January 1 estimate is likely to understate or overstate final inventory.

Reliability of January 1 Cattle Estimates ^{1 2}

Item	Root Mean Square Error	90 Percent Confidence Level		Difference Between First and Latest Estimates			Number of Years	
		Percent	Head	Average	Smallest	Largest	First Above Latest	First Below Latest
	<i>Percent</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Number</i>	<i>Number</i>
All Cattle	0.6	1.0	493	980	87	1,419	14	6
All Cows	0.7	1.3	239	556	6	911	13	7
Calf Crop	0.7	1.3	218	503	5	630	14	6

¹ Based on data from January 1980 through January 1999.

² Data in the above table do not reflect the 1-3 percent changes made during the 1989-93 historic revision period. The root mean square error's would be about 1 percent higher if these were included.

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The next "Cattle" report will be released at 3 p.m. ET on July 21, 2000.

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