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## January 1 Cattle Inventory Down 1 Percent

**All cattle and calves** in the United States as of January 1, 2001, totaled 97.3 million head, 1 percent below the 98.2 million on January 1, 2000 and 2 percent below the 99.1 million two years ago.

**All cows and heifers** that have calved, at 42.6 million, were slightly below the 42.8 million on January 1, 2000 and 1 percent below the 42.9 million two years ago.

- **Beef cows**, at 33.4 million, were down 1 percent from both January 1, 2000 and January 1, 1999.
- **Milk cows**, at 9.20 million, were up slightly from January 1, 2000 and 1 percent above two years ago.

Other class estimates on January 1, 2001 and the change from January 1, 2000, are as follows:

- **All heifers 500 pounds and over**, 19.8 million, up 1 percent.
- **Beef replacement heifers**, 5.59 million, up 2 percent.
- **Milk replacement heifers**, 4.05 million, up 1 percent.
- **Other heifers**, 10.1 million, down slightly.
- **Steers weighing 500 pounds and over**, 16.4 million, down 1 percent.
- **Bulls weighing 500 pounds and over**, 2.27 million, down 1 percent.
- **Calves under 500 pounds**, 16.2 million, down 4 percent.
- **Cattle and calves on feed** for slaughter in all feedlots, 14.2 million, up 1 percent.
- The combined total of **calves under 500 pounds, and other heifers and steers over 500 pounds** outside of feedlots, 28.6 million, down 4 percent.

## Calf Crop Down Slightly

**The 2000 calf crop** was estimated at 38.6 million head, down slightly from both 1999 and 1998. Calves born during the first half of the year are estimated at 28.4 million, down slightly from both 1999 and 1998.

## Cattle Operations Down 2 Percent

**The number of operations with cattle** totaled 1.08 million during 2000, down 2 percent from 1999 and 4 percent below 1998. Beef cow operations in 2000 were down 2 percent from 1999 and 3 percent below 1998. Milk cow operations were 5 percent below last year and 10 percent below two years ago.

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, 2000 and July 1, 2000 were reviewed using 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, small adjustments of less than one half percent were made to the January 1, 2000 inventory, the 1999 calf crop, and the July 1, 2000 inventory. A small adjustment of less than 1 percent was made to the preliminary 2000 calf crop set in July.

### Special Note

Data for beef cow and milk cow replacement heifers expected to calve in the coming year and the number of calves, other heifers, and steers grazing small grain pasture in the combined three state region of Kansas, Oklahoma and Texas are being published in this issue for the first time. These data will be published on an annual basis in the January release.

- Beef replacement heifers expected to calve during 2001 totaled 3.14 million.
- Milk replacement heifers expected to calve during 2001 totaled 2.54 million.
- Calves, other heifers, and steers grazing on small grain pasture in the three state region totaled 1.78 million head.

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This report was approved on January 26, 2001.



Acting Secretary of  
Agriculture  
Joseph W. Glauber



Agricultural Statistics Board  
Chairperson  
Frederic A. Vogel

**Cattle and Calves: Number by Class and Calf Crop,  
United States, January 1, 1999-2001<sup>1</sup>**

Class	1999	2000	2001	2001 as % of 2000
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
Cattle and Calves	99,115	98,198	97,309	99
Cows and Heifers That Have Calved	42,878	42,759	42,603	100
Beef Cows	33,745	33,569	33,400	99
Milk Cows	9,133	9,190	9,203	100
Heifers 500 Pounds and Over	19,774	19,649	19,775	101
For Beef Cow Replacement	5,535	5,503	5,588	102
Expected to Calve <sup>2</sup>			3,142	
For Milk Cow Replacement	4,069	4,000	4,047	101
Expected to Calve <sup>2</sup>			2,544	
Other Heifers	10,170	10,147	10,140	100
Steers 500 Pounds and Over	16,891	16,682	16,438	99
Bulls 500 Pounds and Over	2,281	2,293	2,272	99
Calves Under 500 Pounds	17,290	16,815	16,221	96
Cattle on Feed	13,219	14,003	14,199	101
	1998	1999	2000	2000 as % of 1999
Calf Crop	38,812	38,796	38,621	100

<sup>1</sup> Totals may not add due to rounding.

<sup>2</sup> Replacement heifers expected to calve during the year. Data not available prior to 2001.

**Cattle and Calves: Balance Sheet, United States, 1998-2000<sup>1</sup>**

Item	1998	1999	2000
	<i>Million Head</i>	<i>Million Head</i>	<i>Million Head</i>
January 1 Beginning Inventory	99.7	99.1	98.2
Calf Crop and Imports	40.8	40.7	40.9
Total Supply <sup>2</sup>	140.6	139.9	139.1
Slaughter	37.1	37.6	37.6
Deaths and Exports	4.5	4.4	4.6
Total Disappearance <sup>2</sup>	41.6	42.1	42.2
Residual <sup>2</sup>	0.2	0.4	0.5
January 1 Ending Inventory	99.1	98.2	97.3

<sup>1</sup> Final 1999 and preliminary 2000 estimates will be published in the "Meat Animals - Production, Disposition and Income" report published in April 2001.

<sup>2</sup> Totals may not add due to rounding.

**Cattle and Calves: Number by Class, State, and United States,  
January 1, 2000-2001**

State	All Cattle and Calves			All Cows That Have Calved		
	2000	2001	2001 as % of 2000	2000	2001	2001 as % of 2000
	<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	1,460	1,360	93	820	760	93
AK	10.0	10.5	105	4.4	4.8	109
AZ	840	850	101	335	335	100
AR	1,840	1,810	98	970	970	100
CA	5,100	5,150	101	2,280	2,340	103
CO	3,150	3,150	100	920	930	101
CT	67	63	94	36	34	94
DE	27	27	100	13	13	100
FL	1,830	1,800	98	1,150	1,130	98
GA	1,310	1,270	97	710	700	99
HI	164	150	91	93	88	95
ID	1,950	1,970	101	820	850	104
IL	1,510	1,470	97	600	570	95
IN	970	880	91	395	380	96
IA	3,700	3,650	99	1,240	1,200	97
KS	6,600	6,700	102	1,580	1,620	103
KY	2,230	2,260	101	1,180	1,190	101
LA	900	860	96	555	530	95
ME	97	97	100	51	49	96
MD	245	235	96	127	119	94
MA	57	50	88	31	28	90
MI	1,010	980	97	395	385	97
MN	2,550	2,550	100	940	930	99
MS	1,070	1,070	100	615	615	100
MO	4,350	4,250	98	2,220	2,220	100
MT	2,600	2,550	98	1,600	1,550	97
NE	6,650	6,600	99	2,050	2,030	99
NV	520	520	100	265	275	104
NH	47	42	89	24	22	92
NJ	48	48	100	26	24	92
NM	1,640	1,580	96	800	810	101
NY	1,460	1,380	95	780	750	96
NC	940	950	101	510	505	99
ND	1,880	1,980	105	1,020	1,050	103
OH	1,240	1,240	100	540	540	100
OK	5,200	5,050	97	1,990	2,000	101
OR	1,450	1,360	94	740	680	92
PA	1,650	1,640	99	770	760	99
RI	6.0	6.0	100	3.4	3.3	97
SC	465	445	96	250	240	96
SD	3,900	4,050	104	1,830	1,910	104
TN	2,150	2,170	101	1,130	1,130	100
TX	13,900	13,700	99	5,780	5,810	101
UT	910	910	100	450	450	100
VT	295	295	100	170	168	99
VA	1,600	1,650	103	770	790	103
WA	1,210	1,180	98	550	515	94
WV	420	400	95	220	210	95
WI	3,400	3,350	99	1,580	1,560	99
WY	1,580	1,550	98	830	830	100
US	98,198.0	97,308.5	99	42,758.8	42,603.1	100

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**Cattle and Calves: Number by Class, State, and United States,  
January 1, 2000-2001 (continued)**

State	Beef Cows That Have Calved			Milk Cows That Have Calved		
	2000	2001	2001 as % of 2000	2000	2001	2001 as % of 2000
	<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	737	93	27	23	85
AK	3.5	3.7	106	0.9	1.1	122
AZ	200	195	98	135	140	104
AR	928	929	100	42	41	98
CA	790	780	99	1,490	1,560	105
CO	835	840	101	85	90	106
CT	8	8	100	28	26	93
DE	3	4	133	10	9	90
FL	994	975	98	156	155	99
GA	620	614	99	90	86	96
HI	84	81	96	9	7	78
ID	488	496	102	332	354	107
IL	480	452	94	120	118	98
IN	257	229	89	138	151	109
IA	1,025	985	96	215	215	100
KS	1,492	1,524	102	88	96	109
KY	1,050	1,060	101	130	130	100
LA	494	473	96	61	57	93
ME	10	10	100	41	39	95
MD	41	37	90	86	82	95
MA	6	5	83	25	23	92
MI	95	85	89	300	300	100
MN	400	410	103	540	520	96
MS	579	579	100	36	36	100
MO	2,062	2,070	100	158	150	95
MT	1,582	1,531	97	18	19	106
NE	1,974	1,950	99	76	80	105
NV	240	250	104	25	25	100
NH	5	4	80	19	18	95
NJ	10	8	80	16	16	100
NM	564	549	97	236	261	111
NY	80	80	100	700	670	96
NC	438	436	100	72	69	96
ND	970	1,002	103	50	48	96
OH	282	275	98	258	265	103
OK	1,898	1,910	101	92	90	98
OR	650	590	91	90	90	100
PA	151	150	99	619	610	99
RI	1.5	1.5	100	1.9	1.8	95
SC	227	218	96	23	22	96
SD	1,728	1,809	105	102	101	99
TN	1,034	1,035	100	96	95	99
TX	5,430	5,465	101	350	345	99
UT	355	355	100	95	95	100
VT	11	10	91	159	158	99
VA	651	671	103	119	119	100
WA	304	271	89	246	244	99
WV	202	193	96	18	17	94
WI	220	230	105	1,360	1,330	98
WY	824	825	100	6	5	83
US	33,569.0	33,400.2	99	9,189.8	9,202.9	100

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**Cattle and Calves: Number by Class, State, and United States,  
January 1, 2000-2001 (continued)**

State	Heifers 500 Pounds and Over					
	Beef Cow Replacement		Milk Cow Replacement		Other	
	2000	2001	2000	2001	2000	2001
	<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	95	100	10	9	45	36
AK	0.6	0.7	0.4	0.4	0.2	0.4
AZ	39	36	26	31	23	15
AR	170	160	15	15	65	65
CA	145	140	720	750	175	170
CO	150	140	45	45	740	730
CT	2	2	12	11.5	1	1
DE	1.8	1.0	2.5	3.5	0.5	2.0
FL	145	145	40	40	25	25
GA	85	78	35	31	35	31
HI	14	10	4	3	6	5
ID	100	105	160	160	205	195
IL	55	65	60	60	200	185
IN	42	42	60	62	68	69
IA	140	145	110	115	610	620
KS	240	235	50	70	1,600	1,670
KY	145	160	45	40	80	100
LA	81	79	13	12	17	16
ME	4.0	4.5	18.0	19.5	2.0	1.0
MD	10	9	33	34	11	8
MA	2.0	1.0	10.0	9.0	1.0	1.0
MI	30	35	125	130	50	45
MN	100	100	290	290	180	180
MS	80	90	15	15	20	30
MO	250	285	70	65	260	240
MT	380	405	10	10	180	175
NE	290	300	30	30	1,540	1,490
NV	47	46	9	12	40	39
NH	2.0	1.5	10.0	8.0	1.0	0.5
NJ	3	3	5	6	2	2
NM	100	90	55	50	135	130
NY	25	20	305	295	40	35
NC	60	75	29	30	17	16
ND	160	170	15	14	240	260
OH	60	65	110	115	60	70
OK	330	310	30	20	500	520
OR	150	150	50	60	130	115
PA	35	35	285	280	40	45
RI	0.4	0.4	0.8	0.9	0.1	0.1
SC	40	42	11	10	13	12
SD	280	310	40	30	540	580
TN	145	150	45	45	60	60
TX	760	720	90	100	1,630	1,630
UT	70	75	46	46	74	69
VT	4	5	60	62	5	3
VA	110	116	60	57	65	67
WA	59	63	99	104	126	119
WV	31	33	5	5	25	23
WI	40	55	630	635	80	90
WY	195	180	1	1	184	149
US	5,502.8	5,588.1	3,999.7	4,046.8	10,146.8	10,140.0

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**Cattle and Calves: Number by Class, State, and United States,  
January 1, 2000-2001 (continued)**

State	Steers 500 Pounds and Over		Bulls 500 Pounds and Over		Calves Under 500 Pounds	
	2000	2001	2000	2001	2000	2001
	<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	65	60	55	50	370	345
AK	0.6	0.7	1.2	1.3	2.6	2.2
AZ	210	230	22	23	185	180
AR	100	105	55	55	465	440
CA	660	630	70	70	1,050	1,050
CO	990	1,000	50	50	255	255
CT	2.5	2.0	1.0	1.0	12.5	11.5
DE	2.8	2.0	0.4	0.4	6.0	5.1
FL	25	20	60	60	385	380
GA	50	46	40	39	355	345
HI	8	6	4	4	35	34
ID	365	380	40	40	260	240
IL	295	295	30	30	270	265
IN	163	117	22	20	220	190
IA	1,020	990	70	70	510	510
KS	2,250	2,260	85	85	795	760
KY	180	200	70	70	530	500
LA	22	21	32	32	180	170
ME	3.0	3.5	1.0	1.5	18.0	18.0
MD	20	17	4	4	40	44
MA	2.5	2.0	1.5	1.0	9.0	8.0
MI	200	190	18	17	192	178
MN	460	470	40	40	540	540
MS	38	40	42	40	260	240
MO	450	400	120	120	980	920
MT	230	210	105	110	95	90
NE	2,170	2,230	110	100	460	420
NV	55	50	16	16	88	82
NH	1.5	1.5	0.5	0.5	8.0	8.0
NJ	3	3	1	1	8	9
NM	200	180	50	50	300	270
NY	40	37	20	18	250	225
NC	30	40	34	34	260	250
ND	270	310	55	60	120	116
OH	170	160	30	30	270	260
OK	1,150	990	120	120	1,080	1,090
OR	160	155	40	40	180	160
PA	165	160	25	25	330	335
RI	0.3	0.4	0.1	0.1	0.9	0.8
SC	15	14	19	18	117	109
SD	710	780	95	100	405	340
TN	110	125	70	70	590	590
TX	2,580	2,430	380	370	2,680	2,640
UT	112	122	23	23	135	125
VT	3.0	3.0	3.0	3.0	50.0	51.0
VA	185	210	40	40	370	370
WA	190	200	28	25	158	154
WV	45	45	14	14	80	70
WI	310	320	30	30	730	660
WY	195	175	50	50	125	165
US	16,682.2	16,438.1	2,292.7	2,271.8	16,815.0	16,220.6

**Calf Crop: Number by State and United States, 1999-2000**

State	1999	2000	2000 as % 1999
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	720	690	96
AK	3.9	3.8	97
AZ	280	275	98
AR	850	840	99
CA	1,950	1,980	102
CO	870	880	101
CT	30	28	93
DE	10.5	10.0	95
FL	960	950	99
GA	590	580	98
HI	73	69	95
ID	800	840	105
IL	550	530	96
IN	360	340	94
IA	1,150	1,120	97
KS	1,450	1,480	102
KY	1,120	1,090	97
LA	435	415	95
ME	46	45	98
MD	105	101	96
MA	24	23	96
MI	355	345	97
MN	900	910	101
MS	540	550	102
MO	2,070	2,060	100
MT	1,570	1,620	103
NE	1,860	1,840	99
NV	230	230	100
NH	21	20	95
NJ	20	20	100
NM	630	630	100
NY	660	640	97
NC	450	460	102
ND	970	1,000	103
OH	500	490	98
OK	1,870	1,850	99
OR	680	640	94
PA	680	670	99
RI	3.0	2.8	93
SC	200	195	98
SD	1,780	1,850	104
TN	1,040	1,040	100
TX	5,150	5,100	99
UT	390	400	103
VT	150	153	102
VA	720	710	99
WA	500	480	96
WV	200	195	98
WI	1,450	1,410	97
WY	830	820	99
US	38,796.4	38,620.6	100

**Cattle and Calves: Total Number on Feed by State  
and United States, January 1, 2000-2001<sup>1</sup>**

State	2000	2001	2001 as % of 2000
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
AL	4	4	100
AZ	272	301	111
AR	11	11	100
CA	415	450	108
CO	1,200	1,230	103
GA	3	3	100
ID	315	325	103
IL	230	215	93
IN	120	110	92
IA	1,100	1,050	95
KS	2,370	2,450	103
KY	15	20	133
MD	17	10	59
MI	200	190	95
MN	285	290	102
MO	100	65	65
MT	70	60	86
NE	2,440	2,550	105
NV	21	25	119
NJ	3	2	67
NM	116	115	99
NY	30	30	100
NC	5	5	100
ND	70	60	86
OH	190	190	100
OK	435	415	95
OR	50	55	110
PA	75	75	100
SC	6	4	67
SD	350	365	104
TN	10	8	80
TX	2,910	2,940	101
UT	35	35	100
VA	27	30	111
WA	235	255	109
WV	7	7	100
WI	160	160	100
WY	90	80	89
Oth Sts <sup>2</sup>	11.0	9.4	85
US	14,003.0	14,199.4	101

<sup>1</sup> 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.

<sup>2</sup> 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, 1998-2000**

Class	1998	1999	2000 <sup>1</sup>	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	107,700	107,000	106,300	99
Cows and Heifers That Have Calved	43,600	43,300	43,200	100
Beef Cows	34,400	34,150	33,950	99
Milk Cows	9,200	9,150	9,250	101
Heifers 500 Pounds and Over	16,700	16,600	16,500	99
For Beef Cow Replacement	5,000	4,800	4,700	98
For Milk Cow Replacement	3,600	3,700	3,700	100
Other Heifers	8,100	8,100	8,100	100
Steers 500 Pounds and Over	14,600	14,400	14,300	99
Bulls 500 Pounds and Over	2,200	2,200	2,100	95
Calves Under 500 Pounds	30,600	30,500	30,200	99
Calf Crop	38,812	38,796	38,621	100
Cattle on Feed	11,000	11,500	12,300	107

<sup>1</sup> Revised.

**Calf Crop: Number and Percent of Total by Six Month Period,  
United States, 1998-2000**

Period	1998		1999		2000 <sup>1</sup>	
	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	28,500.0	73.4	28,500.0	73.5	28,400.0	73.5
Jul 1 - Dec 31	10,312.1	26.6	10,296.4	26.5	10,220.6	26.5
Total	38,812.1	100.0	38,796.4	100.0	38,620.6	100.0

<sup>1</sup> Revised.

**Cattle and Calves: Balance Sheet, United States,  
January 1 - June 30, 1998-2000**

Item	1998	1999	2000
	<i>Million Head</i>	<i>Million Head</i>	<i>Million Head</i>
January 1 Inventory	99.7	99.1	98.2
Calf Crop and Imports	29.5	29.5	29.5
Total Supply <sup>1</sup>	129.3	128.6	127.7
Slaughter	18.5	18.6	18.9
Deaths and Exports	2.7	2.5	2.6
Total Disappearance <sup>1</sup>	21.1	21.1	21.5
Residual <sup>1</sup>	-0.4	-0.4	0.0
July 1 Inventory	107.7	107.0	106.3

<sup>1</sup> Totals may not add due to rounding.

**Cattle and Calves: Number by Class, Selected States,  
and United States, July 1, 1999-2000**

State	All Cattle and Calves			All Cows That Have Calved		
	1999	2000 <sup>1</sup>	2000 as % of 1999	1999	2000 <sup>1</sup>	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>
CA	4,950	5,000	101	2,260	2,310	102
CO	3,500	3,500	100	950	960	101
IA	3,950	3,950	100	1,250	1,250	100
KS	6,900	6,950	101	1,740	1,740	100
MO	4,750	4,700	99	2,220	2,220	100
MT	3,700	3,750	101	1,590	1,630	103
NE	7,350	7,250	99	2,120	2,100	99
OK	5,500	5,500	100	2,100	2,100	100
SD	4,800	4,900	102	1,910	1,950	102
TX	14,900	14,900	100	6,150	6,100	99
WI	3,750	3,700	99	1,620	1,600	99
Oth Sts	42,950	42,200	98	19,390	19,240	99
US	107,000	106,300	99	43,300	43,200	100
	Beef Cows That Have Calved			Milk Cows That Have Calved		
	<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>
CA	795	785	99	1,465	1,525	104
CO	868	875	101	82	85	104
IA	1,034	1,035	100	216	215	100
KS	1,655	1,650	100	85	90	106
MO	2,062	2,066	100	158	154	97
MT	1,572	1,612	103	18	18	100
NE	2,047	2,025	99	73	75	103
OK	2,008	2,009	100	92	91	99
SD	1,808	1,847	102	102	103	101
TX	5,805	5,750	99	345	350	101
WI	252	255	101	1,368	1,345	98
Oth Sts	14,244	14,041	99	5,146	5,199	101
US	34,150	33,950	99	9,150	9,250	101

<sup>1</sup> Revised.

**Cattle and Calves: Number of Operations and Percent of Inventory  
by Size Group, United States, 1999-2000<sup>1</sup>**

Head	Operations		Percent of Inventory	
	1999	2000	1999	2000
	<i>Number</i>	<i>Number</i>	<i>Percent</i>	<i>Percent</i>
<b>Cattle and Calves<sup>2</sup></b>				
1-49	685,600	669,150	12.2	11.6
50-99	186,430	185,250	12.8	12.7
100-499	197,040	193,120	37.1	36.6
500-999	18,095	18,615	12.0	12.3
1,000-1,999	6,100	6,210	7.4	7.4
2,000-4,999	2,450	2,650	6.4	7.0
5,000-9,999	440	460	2.8	2.8
10,000-19,999	220	220	2.9	2.8
20,000+	175	185	6.4	6.8
Total	1,096,550	1,075,860	100.0	100.0
<b>Beef Cows<sup>3</sup></b>				
1-49	666,750	653,550	29.9	29.3
50-99	101,250	100,640	19.1	19.2
100-499	70,765	71,175	36.6	36.8
500-999	4,060	4,140	7.5	7.6
1,000-1,999	1,010	1,050	3.5	3.7
2,000-4,999	285	270	2.1	2.0
5,000+	50	55	1.3	1.4
Total	844,170	830,880	100.0	100.0
<b>Milk Cows<sup>4</sup></b>				
1-29	32,920	31,110	3.1	2.9
30-49	24,055	21,910	10.1	9.1
50-99	32,935	31,360	23.2	22.0
100-199	13,250	12,865	18.4	18.0
200-499	5,290	5,325	16.3	16.6
500-999	1,600	1,700	11.0	12.0
1,000-1,999	695	700	10.0	10.2
2,000+	255	280	7.9	9.2
Total	111,000	105,250	100.0	100.0

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

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

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

<sup>4</sup> 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, 1999-2000 <sup>1</sup>**

State	Operations With Cattle and Calves	
	1999 <i>Number</i>	2000 <i>Number</i>
AL	28,000	27,000
AK	120	130
AZ	3,200	3,100
AR	31,000	31,000
CA	23,000	22,000
CO	15,000	15,300
CT	1,200	1,300
DE	480	480
FL	21,000	20,000
GA	23,000	23,000
HI	800	800
ID	12,000	12,000
IL	26,000	25,000
IN	23,000	22,000
IA	37,000	36,000
KS	37,000	36,000
KY	48,000	48,000
LA	15,500	15,500
ME	1,900	1,800
MD	4,500	4,500
MA	1,300	1,300
MI	16,000	16,000
MN	30,000	30,000
MS	25,000	24,000
MO	69,000	68,000
MT	14,100	14,400
NE	28,000	27,000
NV	1,700	1,700
NH	950	950
NJ	1,800	1,700
NM	8,700	8,600
NY	17,500	17,000
NC	28,000	26,000
ND	14,300	13,700
OH	29,000	28,000
OK	60,000	60,000
OR	16,900	16,900
PA	28,000	28,000
RI	200	200
SC	11,000	11,000
SD	21,000	20,000
TN	53,000	50,000
TX	153,000	152,000
UT	7,900	8,000
VT	3,200	3,100
VA	28,000	27,000
WA	15,000	15,000
WV	13,000	13,000
WI	43,000	42,000
WY	6,300	6,400
US	1,096,550	1,075,860

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

**Cattle and Calves: Number of Operations by Size Group,  
Selected States, and United States, 1999-2000<sup>1</sup>**

State	Operations Having					
	1-49 Head		50-99 Head		100-499 Head	
	1999	2000	1999	2000	1999	2000
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL	19,500	18,500	4,300	4,600	3,900	3,600
AZ	1,900	1,850	350	350	650	610
AR	20,000	20,000	6,300	6,200	4,400	4,500
CA	15,400	14,600	1,900	1,900	3,400	3,200
CO	8,200	8,200	2,300	2,300	3,400	3,700
FL	16,000	15,000	2,300	2,400	2,050	1,950
GA	16,000	16,000	3,810	3,810	2,900	2,900
ID	7,000	7,000	1,700	1,670	2,600	2,600
IL	17,100	16,200	4,800	4,600	3,900	4,000
IN	17,700	16,800	3,100	3,000	2,070	2,080
IA	17,000	16,500	9,150	7,900	10,000	10,500
KS	17,500	17,000	7,000	7,300	10,800	9,900
KY	33,000	34,000	8,900	8,300	5,900	5,500
LA	11,400	11,200	2,000	2,100	1,900	2,000
MD	3,000	3,000	730	730	730	730
MI	11,200	11,200	2,170	2,200	2,400	2,350
MN	14,800	14,900	7,500	7,300	7,300	7,400
MS	18,000	17,000	4,000	4,000	2,800	2,810
MO	43,000	42,000	13,900	13,900	11,500	11,500
MT	5,700	5,700	2,150	2,170	5,000	5,200
NE	10,300	9,400	5,600	5,400	9,800	9,700
NM	5,000	5,000	1,270	1,280	1,700	1,600
NY	9,400	9,200	3,400	3,300	4,400	4,200
NC	23,000	21,000	3,200	3,200	1,710	1,710
ND	4,300	4,000	3,600	3,400	5,800	5,700
OH	22,500	21,500	3,300	3,300	3,030	3,020
OK	37,000	37,000	10,800	10,800	10,800	10,700
OR	12,600	13,000	1,400	1,300	2,200	1,910
PA	16,000	16,000	7,400	7,400	4,440	4,440
SD	6,200	5,600	4,000	3,600	9,000	9,000
TN	40,000	37,500	7,800	7,800	5,000	4,500
TX	103,000	101,000	22,000	24,000	24,000	23,000
UT	4,500	4,400	1,200	1,300	1,800	1,900
VT	1,500	1,400	700	700	940	940
VA	18,300	17,800	5,300	5,000	4,100	3,900
WA	11,500	11,600	1,200	1,300	1,900	1,700
WI	18,000	18,000	11,500	11,000	13,000	12,400
WY	2,100	2,100	900	1,000	2,400	2,350
Oth Sts	27,000	27,000	3,500	3,440	3,420	3,420
US	685,600	669,150	186,430	185,250	197,040	193,120

See footnotes at end of table.

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**Cattle and Calves: Number of Operations by Size Group, Selected States, and United States, 1999-2000 <sup>1</sup> (continued)**

State	Operations Having			
	500-999 Head		1,000+ Head	
	1999	2000	1999	2000
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AL	240	240	60	60
AZ	150	140	150	150
AR	240	240	60	60
CA	1,100	1,100	1,200	1,200
CO	650	650	450	450
FL	350	350	300	300
GA	240	240	50	50
ID	400	420	300	310
IL	160	160	40	40
IN	100	90	30	30
IA	600	800	250	300
KS	1,100	1,200	600	600
KY	150	150	50	50
LA	160	160	40	40
MD	30	30	10	10
MI	170	190	60	60
MN	300	300	100	100
MS	150	140	50	50
MO	460	460	140	140
MT	850	930	400	400
NE	1,300	1,400	1,000	1,100
NM	380	370	350	350
NY	220	220	80	80
NC	70	70	20	20
ND	520	520	80	80
OH	140	150	30	30
OK	900	1,000	500	500
OR	480	450	220	240
PA	130	130	30	30
SD	1,300	1,300	500	500
TN	170	170	30	30
TX	2,700	2,600	1,300	1,400
UT	270	270	130	130
VT	45	45	15	15
VA	250	250	50	50
WA	260	260	140	140
WI	410	500	90	100
WY	600	600	300	350
Oth Sts	350	320	180	180
US	18,095	18,615	9,385	9,725

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

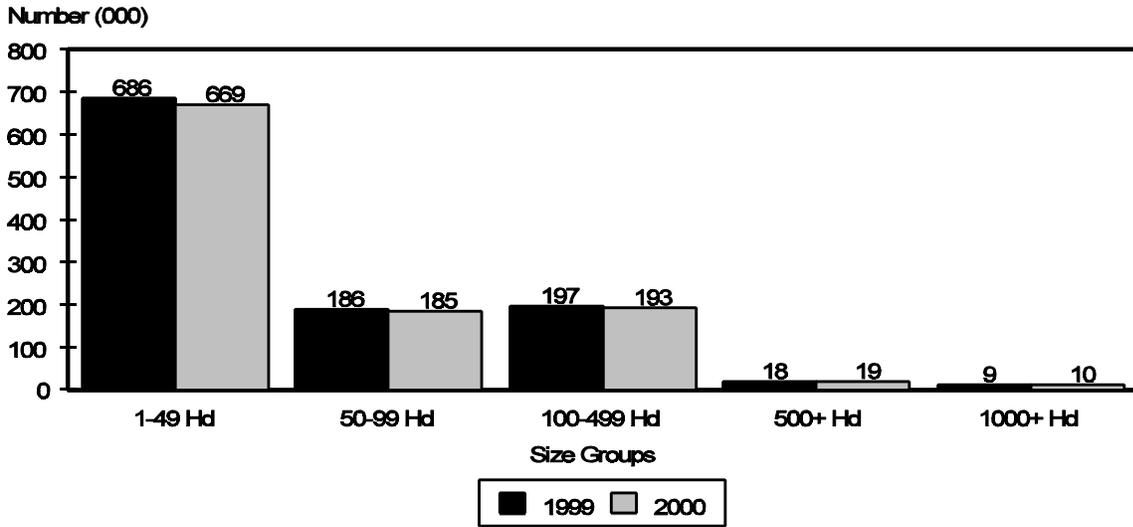
**Cattle and Calves: Percent of Inventory by Size Group,  
Selected States, and United States, 1999-2000 <sup>1</sup>**

State	Inventory on Operations Having									
	1-49 Head		50-99 Head		100-499 Head		500-999 Head		1,000+ Head	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
	<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	25.0	18.0	20.0	44.0	41.0	9.2	9.3	4.8	4.7
AZ	2.5	2.5	2.5	2.5	16.0	15.0	11.0	10.0	68.0	70.0
AR	22.0	22.0	24.0	23.0	41.0	42.0	7.0	7.0	6.0	6.0
CA	3.3	3.2	2.7	2.8	16.0	15.0	17.0	16.0	61.0	63.0
CO	4.0	4.0	5.0	5.0	22.0	24.0	14.0	14.0	55.0	53.0
FL	12.0	11.0	9.0	9.0	23.0	23.0	13.0	13.0	43.0	44.0
GA	22.0	21.0	20.0	20.0	40.0	41.0	11.5	11.5	6.5	6.5
ID	6.0	5.5	6.5	6.0	29.0	28.0	14.5	14.5	44.0	46.0
IL	20.0	20.0	22.0	21.0	47.0	48.0	6.5	6.5	4.5	4.5
IN	33.0	31.8	21.0	21.0	36.0	37.0	6.0	6.0	4.0	4.2
IA	8.5	8.0	17.0	15.0	52.0	51.0	10.5	13.0	12.0	13.0
KS	6.0	5.5	7.0	7.5	32.0	30.0	11.0	12.0	44.0	45.0
KY	27.5	28.0	25.0	24.0	40.0	41.0	3.9	3.9	3.6	3.1
LA	23.0	23.0	15.0	16.0	44.0	43.0	11.0	11.0	7.0	7.0
MD	16.0	15.0	18.0	18.0	52.0	53.0	8.0	8.0	6.0	6.0
MI	17.0	16.0	14.0	14.0	48.0	48.0	11.0	11.0	10.0	11.0
MN	12.5	12.5	21.0	20.0	52.0	53.0	8.0	8.0	6.5	6.5
MS	25.0	23.0	22.0	22.0	39.0	41.0	7.0	7.0	7.0	7.0
MO	19.0	19.0	21.0	22.0	48.0	47.0	7.0	7.0	5.0	5.0
MT	3.0	2.5	6.0	6.0	41.0	41.0	22.0	23.0	28.0	27.5
NE	3.2	2.5	5.8	5.5	31.0	30.0	13.0	14.0	47.0	48.0
NM	5.0	5.0	5.0	5.3	22.0	21.7	16.0	15.0	52.0	53.0
NY	11.0	11.0	17.0	17.0	53.0	53.0	10.0	10.0	9.0	9.0
NC	35.0	33.0	22.0	23.0	34.0	35.0	5.1	5.2	3.9	3.8
ND	5.0	5.0	11.0	10.5	61.0	61.0	16.5	17.0	6.5	6.5
OH	29.0	28.0	18.0	18.0	42.0	43.0	7.4	7.5	3.6	3.5
OK	14.0	14.0	14.0	14.0	37.0	37.0	11.0	12.0	24.0	23.0
OR	12.0	11.0	6.0	7.0	31.0	28.0	20.0	20.0	31.0	34.0
PA	16.0	16.0	30.0	30.0	46.0	46.0	5.0	5.0	3.0	3.0
SD	3.0	3.0	7.0	6.0	50.0	50.0	21.0	21.0	19.0	20.0
TN	35.0	34.0	23.0	24.0	35.0	35.0	5.3	5.2	1.7	1.8
TX	13.0	11.0	11.0	12.0	30.0	29.0	12.0	12.0	34.0	36.0
UT	6.5	6.0	9.5	10.0	42.0	43.0	19.0	19.0	23.0	22.0
VT	7.0	7.0	17.0	17.0	60.0	58.0	9.0	10.0	7.0	8.0
VA	20.0	19.0	22.0	21.0	44.0	45.0	9.5	10.0	4.5	5.0
WA	10.0	11.0	7.0	7.0	33.0	30.0	15.0	15.0	35.0	37.0
WI	9.7	10.0	21.0	19.5	58.0	57.0	7.8	9.5	3.5	4.0
WY	3.0	2.7	3.5	3.8	31.0	31.0	25.5	25.5	37.0	37.0
Oth Sts	20.0	20.0	13.0	13.0	33.0	33.0	12.0	11.0	22.0	23.0
US	12.2	11.6	12.8	12.7	37.1	36.6	12.0	12.3	25.9	26.8

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

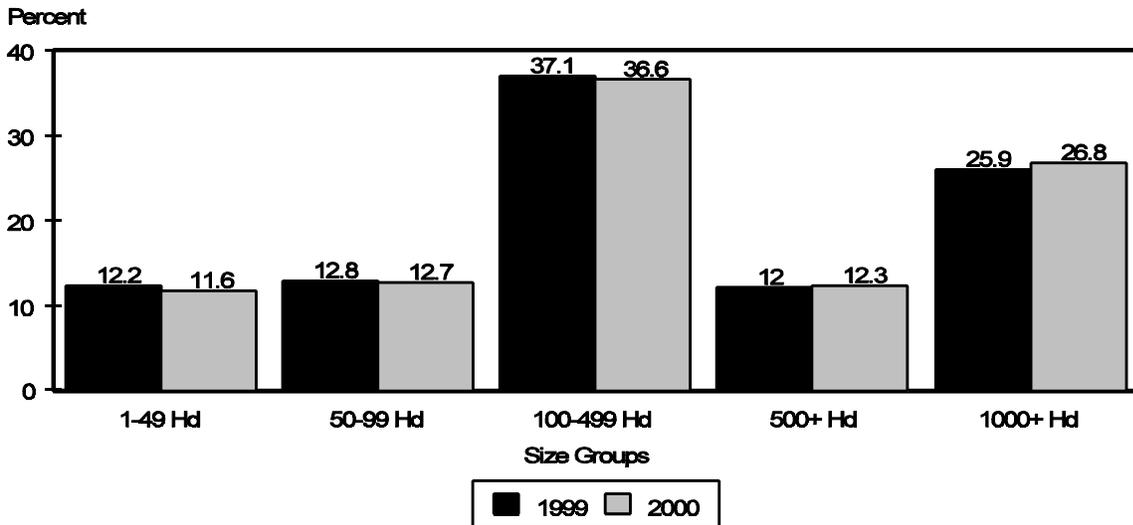
## U. S. Cattle Operations

Number by Size Group, 1999-2000



## U. S. Cattle Inventory

Percent by Size Group, 1999-2000



**Beef Cows: Number of Operations by State and United States, 1999-2000 <sup>1</sup>**

State	Operations With Beef Cows <sup>2</sup>	
	1999 <i>Number</i>	2000 <i>Number</i>
AL	27,000	26,000
AK	90	90
AZ	2,200	2,200
AR	28,000	28,000
CA	14,300	14,200
CO	11,200	11,400
CT	750	800
DE	240	240
FL	18,000	17,000
GA	22,000	22,000
HI	700	700
ID	8,000	8,000
IL	17,700	17,700
IN	15,000	14,000
IA	27,000	27,000
KS	29,000	29,000
KY	41,000	40,000
LA	13,100	13,200
ME	1,000	1,000
MD	2,800	2,800
MA	800	750
MI	7,200	7,000
MN	15,800	15,800
MS	24,000	22,000
MO	59,000	58,000
MT	12,500	12,800
NE	23,000	23,000
NV	1,400	1,400
NH	550	550
NJ	1,100	1,000
NM	7,000	7,000
NY	6,700	6,500
NC	25,000	23,000
ND	12,700	12,300
OH	17,000	17,200
OK	50,000	50,000
OR	13,500	13,200
PA	11,300	11,100
RI	140	150
SC	10,000	10,000
SD	17,000	17,000
TN	46,000	45,000
TX	135,000	133,000
UT	5,600	5,700
VT	1,100	1,100
VA	23,000	22,000
WA	10,500	10,500
WV	11,000	11,000
WI	11,700	12,000
WY	5,500	5,500
US	844,170	830,880

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

<sup>2</sup> Included in operations with cattle.

**Beef Cows: Number of Operations by Size Group, Selected States, and United States, 1999-2000<sup>1 2</sup>**

State	Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1999	2000	1999	2000	1999	2000	1999	2000
	<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	22,000	21,000	3,200	3,300	1,750	1,650	50	50
AZ	1,450	1,450	200	210	450	450	100	90
AR	22,800	22,900	3,500	3,500	1,640	1,540	60	60
CA	11,100	11,100	1,100	1,000	1,800	1,800	300	300
CO	7,100	7,100	1,700	1,750	2,150	2,300	250	250
FL	14,500	13,500	1,800	1,700	1,400	1,500	300	300
GA	18,400	18,400	2,370	2,300	1,200	1,270	30	30
ID	5,500	5,500	1,000	1,000	1,360	1,350	140	150
IL	15,500	15,400	1,600	1,670	590	620	10	10
IN	14,000	13,000	770	780	230	220		
IA	19,900	19,700	5,000	5,000	2,060	2,250	40	50
KS	19,200	19,500	5,500	5,300	4,150	4,030	150	170
KY	35,000	34,500	4,300	3,900	1,670	1,575	30	25
LA	10,800	10,900	1,200	1,200	1,050	1,050	50	50
MN	13,700	13,600	1,550	1,600	535	585	15	15
MS	20,000	18,000	2,900	2,900	1,060	1,060	40	40
MO	47,000	46,000	8,200	8,300	3,690	3,600	110	100
MT	5,400	5,600	2,370	2,360	4,200	4,300	530	540
NE	12,700	12,600	4,800	4,800	4,980	5,060	520	540
NM	4,500	4,500	1,080	1,070	1,200	1,200	220	230
NC	22,900	20,900	1,500	1,540	590	550	10	10
ND	6,000	5,600	3,400	3,330	3,230	3,300	70	70
OH	16,000	16,200	770	770	220	220	10	10
OK	38,500	38,500	7,400	7,200	3,900	4,100	200	200
OR	10,800	10,500	1,300	1,300	1,190	1,180	210	220
PA	10,800	10,600	390	390	110	110		
SD	7,300	7,100	3,950	3,600	5,400	5,900	350	400
TN	41,100	40,100	3,500	3,500	1,380	1,385	20	15
TX	106,000	104,000	16,500	17,000	11,600	11,100	900	900
UT	3,700	3,700	900	950	910	960	90	90
VA	18,900	18,100	2,900	2,700	1,160	1,160	40	40
WA	9,100	9,100	700	720	650	630	50	50
WY	2,300	2,300	1,000	1,100	1,850	1,750	350	350
Oth Sts	52,800	52,600	2,900	2,900	1,410	1,420	160	160
US	666,750	653,550	101,250	100,640	70,765	71,175	5,405	5,515

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

<sup>2</sup> 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, 1999-2000**<sup>1,2</sup>

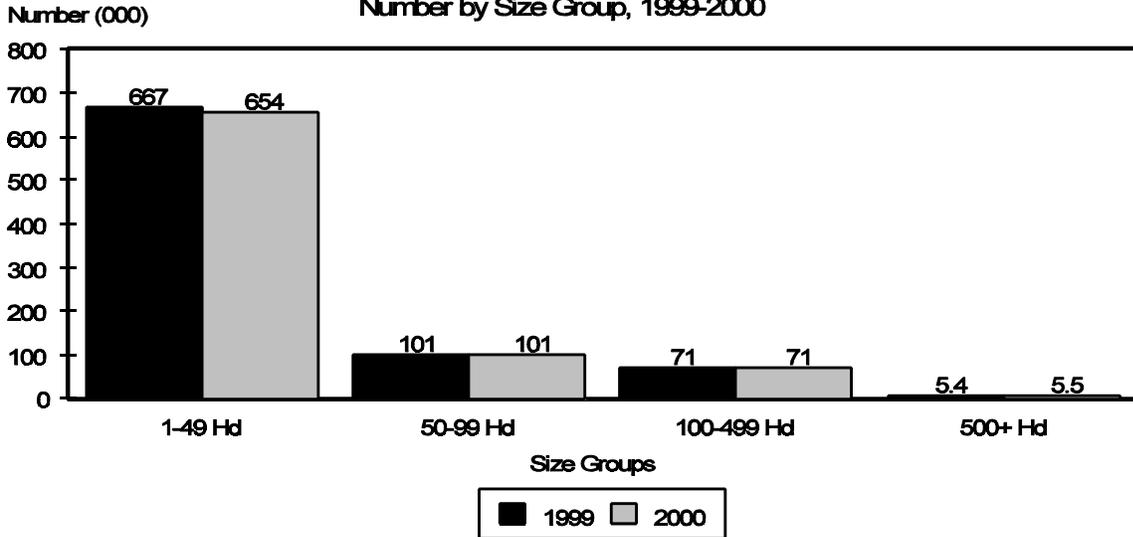
State	Inventory on Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1999	2000	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AL	40.0	40.0	24.0	25.0	32.0	31.0	4.0	4.0
AZ	8.0	8.0	5.0	6.0	38.0	38.0	49.0	48.0
AR	43.0	43.0	25.0	26.0	28.0	27.0	4.0	4.0
CA	13.0	13.0	9.0	8.0	43.0	44.0	35.0	35.0
CO	14.0	14.0	14.0	14.0	48.0	51.0	24.0	21.0
FL	17.0	16.0	12.0	11.0	26.0	28.0	45.0	45.0
GA	43.0	41.0	23.0	23.0	31.0	33.0	3.0	3.0
ID	16.0	16.0	13.0	13.0	48.0	47.5	23.0	23.5
IL	56.0	56.0	23.0	23.0	19.4	19.4	1.6	1.6
IN	71.0	70.0	17.0	18.0	12.0	12.0		
IA	37.0	35.0	32.0	31.0	28.5	31.0	2.5	3.0
KS	26.0	25.0	23.0	23.0	44.0	44.0	7.0	8.0
KY	53.0	54.0	25.0	23.5	20.5	21.1	1.5	1.4
LA	37.0	37.0	16.0	16.0	39.0	39.0	8.0	8.0
MN	50.0	49.0	27.0	26.5	20.2	21.7	2.8	2.8
MS	41.0	39.0	26.0	27.0	29.0	30.0	4.0	4.0
MO	43.0	43.0	25.0	26.0	27.0	27.0	5.0	4.0
MT	6.0	5.0	10.0	10.0	55.0	56.0	29.0	29.0
NE	12.0	11.0	17.0	17.0	48.0	48.0	23.0	24.0
NM	11.0	10.0	12.0	12.0	42.0	41.0	35.0	37.0
NC	57.0	57.0	21.0	22.0	20.0	19.0	2.0	2.0
ND	13.5	13.0	22.0	22.0	60.0	60.0	4.5	5.0
OH	70.0	70.0	16.0	16.0	11.8	11.8	2.2	2.2
OK	35.0	34.0	23.0	23.0	34.0	35.0	8.0	8.0
OR	17.0	16.0	12.0	13.0	39.0	38.0	32.0	33.0
PA	73.0	71.0	16.0	17.0	11.0	12.0		
SD	10.0	9.0	16.0	14.0	59.0	61.0	15.0	16.0
TN	57.0	57.0	22.5	22.0	19.3	20.0	1.2	1.0
TX	29.0	29.0	19.0	20.0	37.0	35.0	15.0	16.0
UT	13.0	13.0	17.0	16.0	46.0	48.0	24.0	23.0
VA	44.0	43.0	27.0	27.0	25.0	26.0	4.0	4.0
WA	26.0	30.0	16.0	15.0	42.0	39.0	16.0	16.0
WY	6.0	6.0	9.0	9.0	48.0	48.0	37.0	37.0
Oth Sts	48.0	47.0	15.0	15.0	20.0	20.0	17.0	18.0
US	29.9	29.3	19.1	19.2	36.6	36.8	14.4	14.7

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

<sup>2</sup> Missing data combined with other size groups.

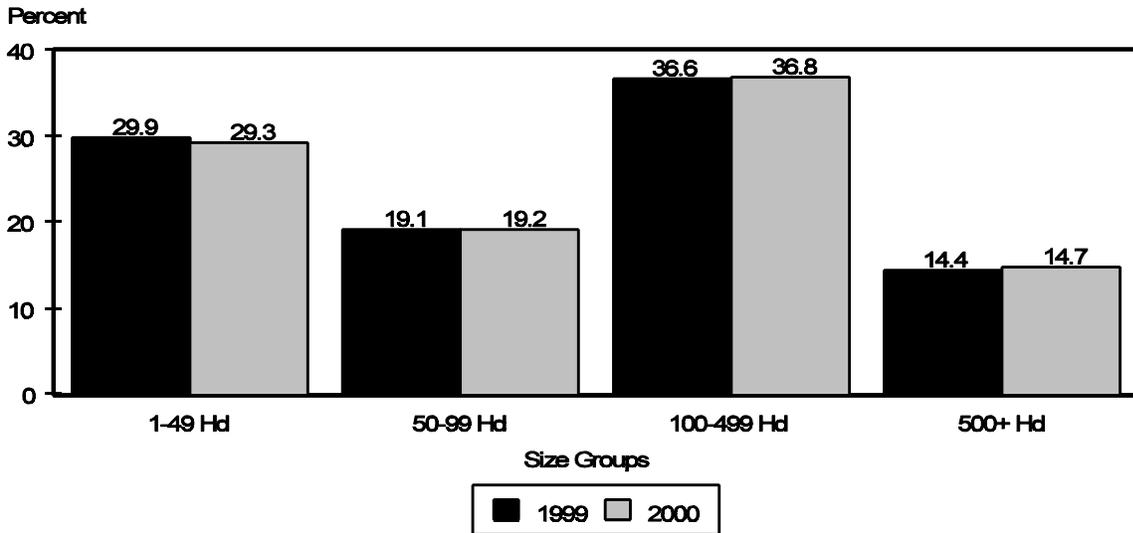
## U. S. Beef Cow Operations

Number by Size Group, 1999-2000



## U. S. Beef Cow Inventory

Percent by Size Group, 1999-2000



**Milk Cows: Number of Operations by State and United States, 1999-2000 <sup>1</sup>**

State	Operations With Milk Cows <sup>2</sup>	
	1999 <i>Number</i>	2000 <i>Number</i>
AL	340	300
AK	30	30
AZ	250	250
AR	1,100	1,000
CA	2,600	2,500
CO	900	860
CT	350	330
DE	130	120
FL	550	520
GA	850	810
HI	50	50
ID	1,200	1,100
IL	2,200	2,100
IN	3,200	3,100
IA	4,000	3,800
KS	1,400	1,300
KY	3,200	3,000
LA	700	660
ME	700	650
MD	1,100	1,000
MA	400	380
MI	3,700	3,500
MN	9,100	8,500
MS	550	520
MO	4,100	3,900
MT	650	600
NE	1,300	1,200
NV	150	150
NH	300	270
NJ	340	300
NM	500	500
NY	8,200	7,900
NC	1,000	950
ND	1,100	1,000
OH	5,700	5,500
OK	2,000	1,900
OR	900	850
PA	11,000	10,700
RI	40	40
SC	260	250
SD	1,700	1,600
TN	1,800	1,600
TX	2,800	2,500
UT	860	830
VT	1,800	1,700
VA	1,700	1,600
WA	1,200	1,100
WV	700	650
WI	22,000	21,000
WY	300	280
US	111,000	105,250

<sup>1</sup> 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.

<sup>2</sup> Included in operations with cattle.

**Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1999-2000**<sup>1 2</sup>

State	Operations Having					
	1-29 Head		30-49 Head		50-99 Head	
	1999	2000	1999	2000	1999	2000
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AZ	120	120			10	10
CA	380	300	70	70	70	70
CO	630	610	20	15	45	40
FL	300	290	10	5	35	25
GA	400	370	20	20	110	110
ID	300	250	120	100	250	220
IL	490	490	450	440	900	820
IN	1,700	1,600	580	560	570	580
IA	1,000	950	1,100	1,000	1,400	1,300
KY	1,400	1,300	600	540	900	870
MD	230	170	180	155	420	400
MI	1,000	1,000	700	630	1,000	900
MN	1,400	1,300	3,300	3,000	3,400	3,200
MO	1,800	1,700	760	740	940	900
NM	340	340			5	5
NY	1,400	1,400	1,600	1,500	3,200	3,000
NC	500	470	45	40	180	180
OH	2,700	2,600	880	870	1,400	1,300
OK	1,300	1,200	130	140	270	280
OR	430	400	30	30	90	90
PA	2,300	2,000	3,700	3,800	3,800	3,700
SD	780	700	290	250	360	390
TN	800	700	200	150	440	400
TX	1,300	1,100	190	140	380	330
UT	280	300	60	55	190	150
VT	130	130	320	280	870	820
VA	600	560	150	140	480	450
WA	410	360	50	40	120	120
WI	4,000	3,900	6,900	6,000	8,400	8,300
Oth Sts	4,500	4,500	1,600	1,200	2,700	2,400
US	32,920	31,110	24,055	21,910	32,935	31,360

See footnotes at end of table.

--continued

**Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1999-2000<sup>1 2</sup> (continued)**

State	Operations Having					
	100-199 Head		200-499 Head		500+ Head	
	1999	2000	1999	2000	1999	2000
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
AZ	10	10	20	20	90	90
CA	250	230	730	730	1,100	1,100
CO	70	65	80	80	55	50
FL	40	35	70	65	95	100
GA	190	180	100	100	30	30
ID	210	190	170	180	150	160
IL	300	280	55	65	5	5
IN	300	290	40	55	10	15
IA	410	450	80	90	10	10
KY	250	240	45	45	5	5
MD	215	210	45	55	10	10
MI	750	700	200	215	50	55
MN	700	700	250	250	50	50
MO	540	510	60	45		5
NM	15	10	20	15	120	130
NY	1,400	1,400	480	480	120	120
NC	190	170	70	75	15	15
OH	600	600	110	115	10	15
OK	240	220	50	50	10	10
OR	200	180	120	110	30	40
PA	930	920	255	260	15	20
SD	210	200	40	40	20	20
TN	260	255	90	85	10	10
TX	390	400	370	360	170	170
UT	180	180	120	110	30	35
VT	320	310	130	130	30	30
VA	340	320	120	120	10	10
WA	240	210	250	230	130	140
WI	2,000	2,000	610	660	90	140
Oth Sts	1,500	1,400	510	490	80	90
US	13,250	12,865	5,290	5,325	2,550	2,680

<sup>1</sup> 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.

<sup>2</sup> 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, 1999-2000<sup>f</sup>**

State	Inventory on Operations Having					
	1-29 Head		30-49 Head		50-99 Head	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AZ	0.3	0.3			0.4	0.4
CA	0.1	0.1	0.2	0.2	0.4	0.3
CO	1.4	1.5	0.8	0.6	2.8	2.5
FL	0.5	0.4	0.2	0.1	1.8	1.3
GA	0.5	1.0	1.0	1.0	9.5	9.0
ID	0.6	0.5	1.4	1.1	5.5	4.6
IL	3.8	3.5	12.0	12.0	43.0	41.0
IN	12.0	10.0	19.0	17.0	29.0	28.0
IA	6.0	5.9	17.0	15.0	40.0	38.0
KY	8.0	8.0	16.0	15.0	42.0	43.0
MD	2.3	1.8	6.7	6.2	34.0	32.0
MI	5.0	4.5	8.0	7.5	23.0	21.0
MN	5.0	4.7	22.0	21.0	39.0	38.0
MO	6.0	5.2	17.0	17.0	32.0	31.0
NM	0.3	0.2			0.2	0.2
NY	2.0	2.0	10.0	9.0	31.0	29.0
NC	1.8	1.9	2.2	2.1	18.0	18.0
OH	10.0	9.7	13.0	13.0	34.0	32.0
OK	4.4	4.0	5.6	6.0	19.0	21.0
OR	0.7	0.7	1.3	1.3	8.0	7.0
PA	5.0	4.3	25.0	25.0	38.0	37.0
SD	5.0	4.5	11.0	9.5	25.0	27.0
TN	2.5	2.2	6.2	5.3	30.0	29.0
TX	1.0	1.0	2.0	1.4	8.0	6.6
UT	0.9	0.9	2.1	2.1	14.0	11.0
VT	0.7	0.9	9.3	8.1	32.0	31.0
VA	3.5	3.3	4.0	4.0	26.0	26.0
WA	0.3	0.2	0.8	0.6	2.9	3.2
WI	4.5	4.3	20.0	17.0	40.0	39.0
Oth Sts	4.0	3.5	8.0	6.5	27.0	26.0
US	3.1	2.9	10.1	9.1	23.2	22.0

See footnotes at end of table.

--continued

**Milk Cows: Percent of Inventory by Size Group, Selected States, and United States, 1999-2000 <sup>1</sup> (continued)**

State	Inventory on Operations Having					
	100-199 Head		200-499 Head		500+ Head	
	1999	2000	1999	2000	1999	2000
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
AZ	0.8	0.8	4.5	4.5	94.0	94.0
CA	3.3	2.9	17.0	16.5	79.0	80.0
CO	9.0	8.4	25.0	28.0	61.0	59.0
FL	3.5	3.2	14.0	13.0	80.0	82.0
GA	31.0	29.0	30.0	30.0	28.0	30.0
ID	9.5	7.8	17.0	16.0	66.0	70.0
IL	28.0	27.0	11.0	14.0	2.2	2.5
IN	27.0	26.0	7.5	10.0	5.5	9.0
IA	23.0	26.0	10.0	11.0	4.0	4.1
KY	23.0	23.0	9.0	9.0	2.0	2.0
MD	33.0	32.0	13.0	16.0	11.0	12.0
MI	32.0	30.0	18.0	20.0	14.0	17.0
MN	14.0	15.0	14.0	14.0	6.0	7.3
MO	36.0	36.0	9.0	7.5		3.3
NM	1.0	0.6	2.5	2.0	96.0	97.0
NY	27.0	28.0	17.0	18.0	13.0	14.0
NC	36.0	32.0	27.0	29.0	15.0	17.0
OH	28.0	29.0	12.0	12.0	3.0	4.3
OK	33.0	30.0	14.0	14.0	24.0	25.0
OR	26.0	22.0	36.0	33.0	28.0	36.0
PA	19.0	20.0	11.0	11.0	2.0	2.7
SD	28.0	26.0	10.0	11.0	21.0	22.0
TN	34.0	35.0	21.0	22.0	6.3	6.5
TX	17.0	17.0	32.0	32.0	40.0	42.0
UT	24.0	25.0	35.0	32.0	24.0	29.0
VT	25.0	25.0	20.0	22.0	13.0	13.0
VA	36.0	35.0	25.0	26.0	5.5	5.7
WA	14.0	12.0	30.0	29.0	52.0	55.0
WI	18.0	18.0	13.0	14.0	4.5	7.7
Oth Sts	29.0	28.0	20.0	21.0	12.0	15.0
US	18.4	18.0	16.3	16.6	28.9	31.4

<sup>1</sup> 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 81 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 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 following table. 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 97.3 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 266,000 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 <sup>1 2</sup>**

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	973	266	87	1,419	14	6
All Cows	0.7	1.3	554	137	6	911	14	6
Calf Crop	0.7	1.3	502	121	5	630	13	7

<sup>1</sup> Based on data from January 1981 through January 2000.

<sup>2</sup> 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 percentage point higher if these were included.

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The next "Cattle" report will be released at 3 p.m. ET on July 20, 2001.

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