

Cattle



United States
Department of
Agriculture

Washington, D.C.

Released February 4, 1994, by the Agricultural Statistics Board. Inventory estimates refer to January 1, 1994. Calf Crop and Number of Operation estimates are for the 1992 and 1993 calendar years.

January 1 Cattle Inventory Up 1 Percent

All cattle and calves in the United States as of January 1, 1994, totaled 101.7 million head, 1 percent above the revised 100.6 million on January 1, 1993, and 2 percent above the 99.6 million two years ago.

All cows and heifers that have calved, at 44.5 million, were 2 percent above both last year and two years ago.

- Beef cows, at 34.9 million, were up 3 percent from both January 1, 1993, and two years ago.
- Milk cows, at 9.64 million, were 2 percent below January 1, 1993, and 3 percent below 1992.

Other class estimates on January 1, 1994, and the changes from January 1 last year and two years ago, respectively, are as follows:

- All heifers 500 pounds and over, 19.7 million, up 3 percent and up 9 percent.
- Beef replacement heifers, 6.42 million, up 4 percent and up 11 percent.
- Milk replacement heifers, 4.20 million, virtually unchanged from both years.
- Other heifers, 9.05 million, up 5 percent and up 11 percent.

For information call Glenda Shepler at (202) 720-3040. Office hours are 8:00 a.m. to 4:30 p.m. ET.

- **Steers** weighing 500 pounds and over, 17.2 million, up 1 percent and up 3 percent.
- **Bulls** weighing 500 pounds and over, 2.32 million, up 1 percent and up 2 percent.
- **Calves under 500 pounds**, 18.0 million, down 2 percent and down 4 percent.
- **All cattle and calves on feed for slaughter**, 12.9 million, up 2 percent and up 8 percent.

Calf Crop Up 1 Percent

The 1993 calf crop was estimated at 39.6 million, up 1 percent from 1992 and up 2 percent from 1991. The estimated calf crop is down 1 percent from the expected number published last July. Calves born during the first half of the year are estimated at 28.9 million, up slightly from 1992 and up 1 percent from 1991.

Cattle Operations Down Fractionally

The number of operations with cattle totaled 1,225,990 during 1993, down fractionally from last year and down 2 percent from 1991. Beef cow operations were up fractionally from a year ago, while milk cow operations were down 5 percent from 1992.

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.

Content Changes

This report contains information of inventory and operations by size group that was historically published in the mid-year "Cattle" release in July. This report includes an additional size group for larger operations. Estimates for the two largest size groups are combined for 1992 and no further breakout is available. Operations are published as numbers instead of percentage distributions.

This report was approved on February 4, 1994, by the Acting Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.



Acting Secretary of
Agriculture
Eugene Moos



Agricultural Statistics Board
Chairperson
Rich Allen

Cattle and Calves: Number by Class and Calf Crop
United States, January 1, 1992-94

Class	1992	1993	1994	1994 as % of 1993
	1,000 Head			Percent
Cattle and Calves	99,559	100,611	101,749	101
Cows and Heifers That Have Calved	43,688	43,726	44,529	102
Beef Cows	33,775	33,888	34,891	103
Milk Cows	9,913	9,838	9,638	98
Heifers 500 Pounds and Over	18,105	19,036	19,679	103
For Beef Cow Replacement	5,761	6,183	6,423	104
For Milk Cow Replacement	4,202	4,224	4,203	100
Other Heifers	8,142	8,629	9,053	105
Steers 500 Pounds and Over	16,755	17,079	17,186	101
Bulls 500 Pounds and Over	2,279	2,307	2,324	101
Calves Under 500 Pounds	18,733	18,464	18,032	98
	1991	1992	1993	1993 as % of 1992
Calf Crop	39,026	39,290	39,640	101

Cattle and Calves: Balance Sheet, United States, 1991-93 ^{1/}

Item	1991	1992	1993
	Million Head		
January 1 Inventory (Beginning of year)	98.9	99.6	100.6
Calf Crop and Imports	41.0	41.5	42.2
Total Supply ^{2/}	139.9	141.1	142.8
Slaughter	34.4	34.5	34.8
Deaths and Exports	4.7	4.8	4.9
Total Disappearance ^{2/}	39.0	39.3	39.7
Residual ^{2/}	1.3	1.2	1.4
January 1 Inventory (End of year)	99.6	100.6	101.7

^{1/} Final 1992 and preliminary 1993 estimates will be published in the "Meat Animals: Production, Disposition and Income" report, published on April 14, 1994.

^{2/} Totals may not add due to rounding.

Cattle and Calves: Number by Class, State, and United States,
January 1, 1993-94

State	All Cattle and Calves			All Cows That Have Calved		
	1993	1994	1994 as % of 93	1993	1994	1994 as % of 93
	-- 1,000 Head --		Percent	-- 1,000 Head --		Percent
AL	1,770	1,810	102	910	960	105
AK	7.9	8.1	103	3.2	3.0	94
AZ	890	870	98	380	365	96
AR	1,710	1,810	106	923	970	105
CA	4,500	4,550	101	1,990	2,020	102
CO	2,850	2,900	102	880	900	102
CT	75	73	97	39	38	97
DE	33	28	85	14	12	86
FL	1,950	1,980	102	1,250	1,277	102
GA	1,500	1,540	103	810	820	101
HI	178	165	93	89	89	100
ID	1,680	1,700	101	695	695	100
IL	1,930	1,980	103	740	765	103
IN	1,200	1,200	100	480	480	100
IA	4,400	4,250	97	1,415	1,385	98
KS	5,890	5,950	101	1,435	1,490	104
KY	2,600	2,600	100	1,300	1,320	102
LA	1,000	970	97	630	610	97
ME	118	117	99	57	58	102
MD	325	315	97	163	160	98
MA	70	69	99	41	40	98
MI	1,225	1,225	100	455	465	102
MN	2,850	2,750	96	1,070	1,020	95
MS	1,415	1,440	102	798	800	100
MO	4,600	4,800	104	2,300	2,460	107
MT	2,450	2,500	102	1,483	1,460	98
NE	5,900	6,100	103	1,880	2,000	106
NV	480	470	98	250	245	98
NH	52	51	98	24	25	104
NJ	75	65	87	38	35	92
NM	1,370	1,410	103	680	690	101
NY	1,560	1,540	99	825	840	102
NC	1,030	1,060	103	520	530	102
ND	1,800	1,900	106	960	1,010	105
OH	1,610	1,540	96	670	680	101
OK	5,300	5,200	98	1,990	1,970	99
OR	1,350	1,410	104	665	705	106
PA	1,850	1,800	97	860	840	98
RI	7.0	7.5	107	3.8	3.5	92
SC	630	650	103	340	355	104
SD	3,750	3,750	100	1,670	1,720	103
TN	2,300	2,440	106	1,170	1,240	106
TX	14,300	14,800	103	5,950	6,200	104
UT	850	850	100	426	420	99
VT	300	285	95	179	173	97
VA	1,710	1,710	100	820	820	100
WA	1,350	1,400	104	620	645	104
WV	520	500	96	285	280	98
WI	3,950	3,800	96	1,820	1,680	92
WY	1,350	1,410	104	730	760	104
US	100,611	101,749	101	43,726	44,529	102

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Cattle and Calves: Number by Class, State, and United States,
January 1, 1993-94 (continued)

State	Beef Cows That Have Calved			Milk Cows That Have Calved		
	1993	1994	1994 as % of 93	1993	1994	1994 as % of 93
	-- 1,000 Head --		Percent	-- 1,000 Head --		Percent
AL	870	922	106	40	38	95
AK	2.5	2.3	92	0.7	0.7	100
AZ	284	259	91	96	106	110
AR	857	906	106	66	64	97
CA	820	830	101	1,170	1,190	102
CO	800	820	103	80	80	100
CT	4	5	125	35	33	94
DE	4	3	75	10	9	90
FL	1,070	1,100	103	180	177	98
GA	708	718	101	102	102	100
HI	78	78	100	11	11	100
ID	510	502	98	185	193	104
IL	554	590	106	186	175	94
IN	337	335	99	143	145	101
IA	1,115	1,095	98	300	290	97
KS	1,350	1,413	105	85	77	91
KY	1,115	1,145	103	185	175	95
LA	550	531	97	80	79	99
ME	17	18	106	40	40	100
MD	63	64	102	100	96	96
MA	11	10	91	30	30	100
MI	115	126	110	340	339	100
MN	410	385	94	660	635	96
MS	738	742	101	60	58	97
MO	2,070	2,240	108	230	220	96
MT	1,460	1,438	98	23	22	96
NE	1,783	1,908	107	97	92	95
NV	230	225	98	20	20	100
NH	4	5	125	20	20	100
NJ	13	12	92	25	23	92
NM	557	540	97	123	150	122
NY	70	90	129	755	750	99
NC	424	439	104	96	91	95
ND	885	940	106	75	70	93
OH	355	375	106	315	305	97
OK	1,895	1,870	99	95	100	105
OR	565	605	107	100	100	100
PA	201	186	93	659	654	99
RI	1.5	1.2	80	2.3	2.3	100
SC	311	327	105	29	28	97
SD	1,542	1,595	103	128	125	98
TN	980	1,065	109	190	175	92
TX	5,570	5,810	104	380	390	103
UT	343	340	99	83	80	96
VT	12	12	100	167	161	96
VA	685	690	101	135	130	96
WA	369	388	105	251	257	102
WV	262	257	98	23	23	100
WI	195	180	92	1,625	1,500	92
WY	723	753	104	7	7	100
US	33,888	34,891	103	9,838	9,638	98

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Cattle and Calves: Number by Class, State, and United States,
January 1, 1993-94 (continued)

State	Heifers 500 Pounds and Over					
	Beef Cow Replacement		Milk Cow Replacement		Other	
	1993	1994	1993	1994	1993	1994
	1,000 Head					
AL	160	153	17	15	53	47
AK	0.6	0.7	0.2	0.3	0.1	0.1
AZ	44	41	20	17	16	19
AR	168	184	22	22	50	54
CA	140	140	560	600	170	160
CO	140	150	40	40	570	580
CT	1	2	14	15		
DE	2	1	4	3	2	1
FL	160	160	35	35	20	25
GA	125	132	36	38	39	41
HI	12	11	4	4	12	9
ID	95	100	100	95	175	195
IL	74	65	76	85	285	300
IN	50	50	70	80	90	95
IA	170	165	135	125	730	725
KS	225	280	40	40	1,100	1,130
KY	205	205	70	70	95	100
LA	81	90	23	20	16	15
ME	6	7	22	20	2	2
MD	15	16	42	41	12	13
MA	3	3	9	9	1	1
MI	31	35	163	158	43	37
MN	85	80	325	315	240	230
MS	133	165	23	23	25	30
MO	360	395	100	95	200	220
MT	345	355	8	8	152	210
NE	240	260	35	30	1,155	1,175
NV	41	47	6	8	31	32
NH	1	2	11	11	1	
NJ	4	3	11	7	2	2
NM	105	99	26	38	69	88
NY	25	33	324	315	55	32
NC	98	108	43	38	25	25
ND	180	190	25	20	185	200
OH	72	70	159	145	83	80
OK	320	345	35	40	455	485
OR	110	140	40	41	110	115
PA	44	43	293	287	46	46
RI	0.3	0.5	1.0	1.2		0.1
SC	55	58	13	13	20	22
SD	275	280	35	35	480	495
TN	215	215	55	55	60	75
TX	1,040	980	100	130	1,310	1,440
UT	62	69	50	45	44	45
VT	3	2	61	56	1	1
VA	122	123	78	74	69	81
WA	85	90	110	110	125	135
WV	50	55	9	9	16	16
WI	40	50	745	720	70	75
WY	165	175	1	1	119	149
US	6,183	6,423	4,224	4,203	8,629	9,053

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Cattle and Calves: Number by Class, State, and United States,
January 1, 1993-94 (continued)

State	Steers		Bulls		Calves	
	500 Pounds and Over		500 Pounds and Over		Under 500 Pounds	
	1993	1994	1993	1994	1993	1994
	1,000 Head					
AL	108	95	62	65	460	475
AK	0.5	0.6	1.9	1.9	1.4	1.5
AZ	230	240	27	22	173	166
AR	77	80	51	55	419	445
CA	640	580	70	70	930	980
CO	930	920	50	50	240	260
CT	2	2	1	1	18	15
DE	4.7	6	0.4	0.3	5.9	4.7
FL	20	20	70	73	395	390
GA	50	53	48	49	392	407
HI	12	8	5	5	44	39
ID	360	350	40	40	215	225
IL	380	380	35	35	340	350
IN	175	180	25	25	310	290
IA	1,100	1,075	75	75	775	700
KS	2,200	2,170	75	85	815	755
KY	225	219	75	76	630	610
LA	16	14	34	31	200	190
ME	3	3	2	2	26	25
MD	31	25	5	5	57	55
MA	2	3	2	1	12	12
MI	257	245	19	20	257	265
MN	500	495	35	35	595	575
MS	50	42	52	52	334	328
MO	420	490	120	125	1,100	1,015
MT	187	260	85	82	190	125
NE	1,790	1,850	90	95	710	690
NV	50	52	14	14	88	72
NH	2	2	1	1	12	10
NJ	5	6	2	1	13	11
NM	190	193	40	41	260	261
NY	39	31	19	19	273	270
NC	44	54	31	32	269	273
ND	250	275	55	60	145	145
OH	229	240	30	30	367	295
OK	1,240	1,160	120	120	1,140	1,080
OR	185	165	40	44	200	200
PA	210	200	31	28	366	356
RI	0.4	0.3	0.3	0.3	1.2	1.6
SC	31	24	22	23	149	155
SD	760	700	80	80	450	440
TN	120	130	65	70	615	655
TX	2,900	3,050	410	400	2,590	2,600
UT	111	115	21	20	136	136
VT	2	3	3	3	51	47
VA	153	150	43	42	425	420
WA	223	225	27	28	160	167
WV	54	45	17	16	89	79
WI	350	375	35	30	890	870
WY	160	185	45	45	130	95
US	17,079	17,186	2,307	2,324	18,464	18,032

Calf Crop: Number by State and United States, 1992-93

State	1992	1993	1993 as % of 92
	----- 1,000 Head -----		Percent
AL	780	800	103
AK	2.5	2.5	100
AZ	300	290	97
AR	760	790	104
CA	1,680	1,680	100
CO	830	850	102
CT	37	36	97
DE	12	10	83
FL	1,000	1,020	102
GA	710	720	101
HI	71	71	100
ID	660	660	100
IL	600	610	102
IN	430	430	100
IA	1,280	1,240	97
KS	1,320	1,350	102
KY	1,200	1,220	102
LA	490	480	98
ME	50	50	100
MD	128	127	99
MA	35	33	94
MI	420	430	102
MN	1,040	980	94
MS	710	715	101
MO	2,100	2,200	105
MT	1,430	1,420	99
NE	1,700	1,770	104
NV	230	215	93
NH	23	23	100
NJ	33	30	91
NM	560	570	102
NY	760	765	101
NC	470	480	102
ND	920	960	104
OH	580	560	97
OK	1,860	1,830	98
OR	620	650	105
PA	780	760	97
RI	3.5	3.5	100
SC	260	270	104
SD	1,650	1,670	101
TN	1,070	1,120	105
TX	5,150	5,350	104
UT	370	360	97
VT	165	159	96
VA	760	750	99
WA	550	560	102
WV	250	230	92
WI	1,740	1,600	92
WY	710	740	104
US	39,290	39,640	101

Cattle and Calves: Number on Feed by State
and United States, January 1, 1993-94

State	1993	1994	1994 as % of 1993
	----- 1,000 Head -----		Percent
AZ	233	224	96
CA	440	375	85
CO	1,000	1,010	101
ID	280	275	98
IL	330	330	100
IA	890	920	103
KS	1,920	1,910	99
MN	330	330	100
NE	2,130	2,110	99
OK	345	380	110
SD	340	290	85
TX	2,460	2,730	111
WA	186	211	113
13 Sts	10,884	11,095	102
AL	17	10	59
AR	17	10	59
GA	17	12	71
IN	210	190	90
KY	35	40	114
LA	5	3	60
MD	17	18	106
MI	220	225	102
MS	10	5	50
MO	105	120	114
MT	75	105	140
NV	40	25	63
NJ	6	4	67
NM	130	165	127
NY	35	25	71
NC	15	15	100
ND	70	80	114
OH	215	240	112
OR	100	80	80
PA	85	75	88
SC	14	10	71
TN	25	25	100
UT	58	45	78
VA	40	40	100
WV	10	7	70
WI	140	145	104
WY	90	95	106
Oth Sts ^{2/}	14	19	136
US	12,699	12,928	102

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.

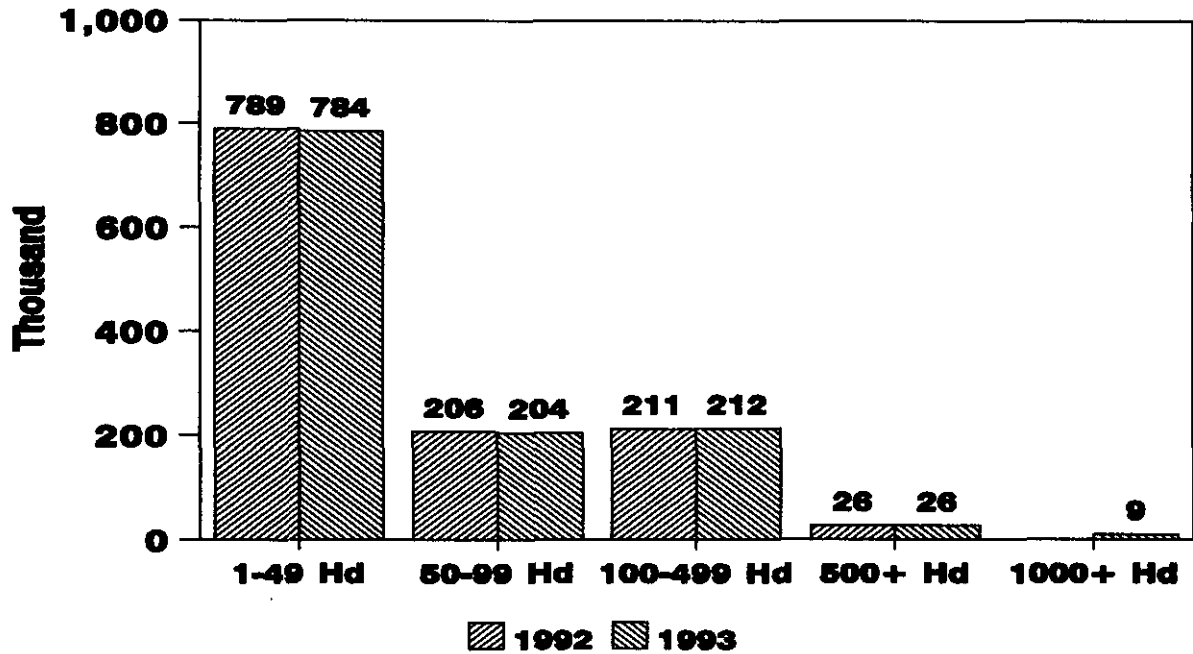
2/ Other States include AK, CT, DE, FL, HI, ME, MA, NH, RI, AND VT.

Cattle and Calves: Number of Operations by State
and United States, 1992-93 1/

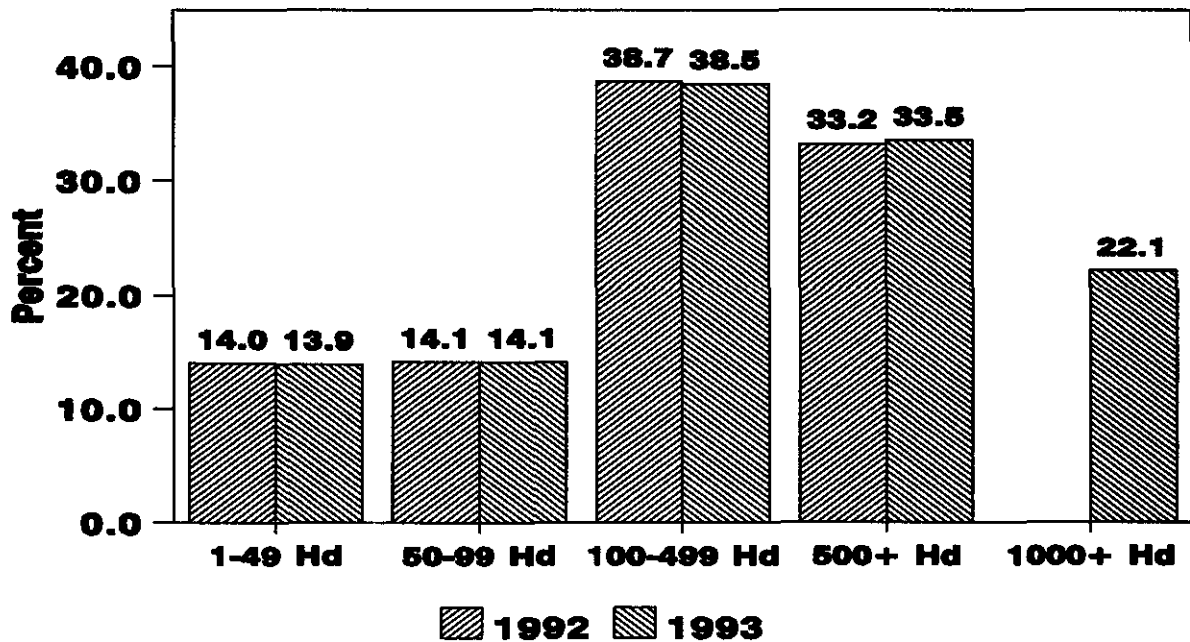
State	Operations with Cattle and Calves	
	1992	1993
	Number	
AL	33,000	33,000
AK	130	130
AZ	4,700	4,800
AR	33,000	33,000
CA	26,000	25,000
CO	14,000	13,000
CT	1,700	1,500
DE	670	660
FL	20,000	20,000
GA	29,000	29,000
HI	900	900
ID	14,000	13,000
IL	32,000	31,000
IN	31,000	30,000
IA	45,000	45,000
KS	35,000	36,000
KY	52,000	52,000
LA	19,500	20,000
ME	2,800	3,100
MD	6,900	6,800
MA	2,200	2,000
MI	20,000	19,000
MN	39,000	39,000
MS	29,000	29,000
MO	74,000	71,000
MT	12,800	12,700
NE	29,000	29,000
NV	1,700	1,700
NH	1,100	1,100
NJ	2,100	2,100
NM	9,000	9,000
NY	21,000	21,000
NC	29,000	30,000
ND	15,800	15,300
OH	41,000	42,000
OK	64,000	62,000
OR	23,000	23,000
PA	35,000	33,000
RI	270	300
SC	15,000	15,000
SD	22,000	22,000
TN	67,000	66,000
TX	140,000	147,000
UT	7,800	7,800
VT	4,000	4,100
VA	30,000	29,000
WA	20,000	21,000
WV	17,000	17,000
WI	52,000	51,000
WY	5,800	6,000
US	1,230,870	1,225,990

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, 1992-93



U.S. Cattle Inventory Percent by Size Group, 1992-93



Cattle and Calves: Number of Operations by Size Group,
Selected States, and United States, 1992-93 1/

State	Operations Having					
	1-49 Head		50-99 Head		100-499 Head	
	1992	1993	1992	1993	1992	1993
Number						
AL	23,500	24,000	5,500	4,800	3,700	3,900
AZ	2,600	2,700	550	520	1,150	1,200
AR	22,000	22,000	6,500	6,500	4,300	4,300
CA	18,000	17,600	1,900	1,600	3,800	3,500
CO	6,600	6,000	2,200	2,000	4,100	3,900
FL	15,000	14,600	2,200	2,400	2,200	2,300
GA	21,200	21,000	4,130	4,200	3,500	3,600
ID	8,300	7,800	2,000	1,800	3,000	2,800
IL	21,800	21,000	5,800	5,350	4,150	4,400
IN	24,400	24,000	3,800	3,500	2,700	2,400
IA	20,000	21,000	11,000	10,000	13,000	13,000
KS	16,500	17,200	7,300	7,600	9,600	9,700
KY	36,400	36,500	9,300	9,000	6,050	6,280
LA	13,600	14,600	3,300	2,800	2,400	2,400
MD	5,200	5,200	800	800	880	780
MI	13,700	13,000	3,000	2,800	3,000	2,900
MN	17,600	17,600	12,100	11,700	9,000	9,400
MS	21,000	21,000	4,200	4,200	3,500	3,500
MO	47,000	43,000	14,000	15,200	12,300	12,200
MT	4,300	4,400	2,100	1,900	5,200	5,200
NE	10,400	10,500	6,400	6,400	10,100	10,000
NM	4,800	4,700	1,300	1,200	2,200	2,300
NY	10,800	11,000	4,800	4,700	5,210	5,100
NC	24,500	25,000	2,730	3,230	1,700	1,700
ND	5,100	4,800	4,000	4,000	6,200	6,000
OH	32,500	33,500	5,200	4,700	3,000	3,500
OK	41,000	39,000	11,100	10,900	10,600	10,800
OR	19,000	18,600	1,400	1,800	2,100	2,000
PA	23,000	21,000	7,100	7,100	4,800	4,800
SD	6,400	6,300	4,400	4,200	9,700	9,700
TN	54,000	52,000	7,900	8,400	4,900	5,400
TX	94,000	100,000	20,000	21,000	22,500	22,000
UT	4,540	4,400	1,000	1,100	1,900	1,900
VT	1,300	1,300	1,500	1,500	1,150	1,250
VA	20,000	19,500	4,950	4,630	4,800	4,600
WA	16,000	17,100	1,400	1,300	2,200	2,200
WI	21,800	21,000	15,100	14,800	14,800	14,900
WY	2,600	2,800	700	700	1,800	1,800
Oth Sts	38,760	37,210	2,940	3,870	3,310	3,990
US	789,200	783,910	205,600	204,200	210,500	211,600

See footnotes at end of table.

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Cattle and Calves: Number of Operations by Size Group, Selected States and United States, 1992-93 ^{1/} (continued)

State	Operations Having			
	500-999 Head		1000+ Head	
	1992 ^{2/}	1993	1992	1993
Number				
AL	300	240		60
AZ	400	190		190
AR	200	170		30
CA	2,300	1,200		1,100
CO	1,100	700		400
FL	600	400		300
GA	170	150		50
ID	700	380		220
IL	250	190		60
IN	100	80		20
IA	1,000	700		300
KS	1,600	1,000		500
KY	250	180		40
LA	200	160		40
MD	20	10		10
MI	300	250		50
MN	300	200		100
MS	300	260		40
MO	700	510		90
MT	1,200	900		300
NE	2,100	1,200		900
NM	700	450		350
NY	190	150		50
NC	70	60		10
ND	500	430		70
OH	300	270		30
OK	1,300	800		500
OR	500	400		200
PA	100	80		20
SD	1,500	1,300		500
TN	200	150		50
TX	3,500	2,500		1,500
UT	360	260		140
VT	50	50		2/
VA	250	230		40
WA	400	250		150
WI	300	270		30
WY	700	400		300
Oth Sts:	560	300		120
US	25,570	17,420		8,860

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

^{2/} These estimates are for 500+ head.

^{3/} Combined with other size groups.

Cattle and Calves: Percent of Inventory by Size Group,
Selected States, and United States, 1992-93 ^{1/}

State	Inventory on Operations Having									
	1-49 Head		50-99 Head		100-499 Head		500-999 Head		1000+ Head	
	1992	1993	1992	1993	1992	1993	1992 ^{2/}	1993	1992	1993
	Percent									
AL	27.0	28.0	21.0	18.0	38.0	39.0	14.0	9.8		5.2
AZ	1.5	1.6	3.5	3.4	18.0	19.0	77.0	12.0		64.0
AR	23.0	23.0	26.0	26.0	43.0	43.0	8.0	5.1		2.9
CA	3.8	3.8	2.9	2.4	19.3	18.8	74.0	19.0		56.0
CO	4.0	3.5	5.0	4.5	28.0	27.0	63.0	15.0		50.0
FL	11.0	11.0	7.0	7.0	24.0	24.0	58.0	13.0		45.0
GA	28.0	25.0	18.0	20.0	43.0	45.0	11.0	5.4		4.6
ID	6.0	6.0	7.0	7.0	37.0	37.0	50.0	15.0		35.0
IL	23.0	22.0	23.0	20.0	42.0	47.0	12.0	6.3		4.7
IN	34.0	35.0	21.0	21.0	37.0	35.0	8.0	6.1		2.9
IA	10.0	10.0	17.0	16.0	50.0	52.0	23.0	10.0		12.0
KS	7.0	6.0	8.0	9.0	31.0	32.0	54.0	11.0		42.0
KY	28.0	28.0	25.0	24.0	40.5	41.7	6.5	4.2		2.1
LA	26.0	26.0	22.0	19.0	40.0	40.0	12.0	10.0		5.0
MD	26.0	26.0	17.0	17.0	50.0	50.0	7.0	2.5		4.5
MI	19.0	17.0	17.0	18.0	46.0	47.0	18.0	11.0		7.0
MN	13.0	13.0	29.0	27.0	49.0	51.0	9.0	4.5		4.5
MS	25.0	25.0	18.0	18.0	39.0	39.0	18.0	13.0		5.0
MO	20.0	20.0	22.0	22.0	47.0	48.0	11.0	6.4		3.6
MT	4.0	4.0	6.0	5.0	42.0	43.0	48.0	23.0		25.0
NE	4.0	3.8	7.5	7.4	33.5	33.0	55.0	12.8		43.0
NM	4.5	5.0	5.0	4.0	25.5	23.0	65.0	16.0		52.0
NY	12.0	11.5	22.5	22.0	55.0	55.5	10.5	6.0		5.0
NC	45.0	42.0	19.0	22.0	30.0	30.0	6.0	3.8		2.2
ND	6.0	5.5	14.0	14.0	62.0	62.0	18.0	13.0		5.5
OH	30.0	30.0	22.0	20.0	36.0	38.0	12.0	9.8		2.2
OK	15.5	16.0	13.5	14.0	40.0	40.0	31.0	10.0		20.0
OR	13.0	13.0	8.0	9.0	32.0	31.0	47.0	20.0		27.0
PA	21.6	21.0	29.0	29.0	45.0	45.5	4.4	3.0		1.5
SD	4.5	4.3	8.0	7.7	54.0	51.0	33.5	20.0		17.0
TN	37.0	34.0	22.3	24.0	35.0	36.0	5.7	3.5		2.5
TX	14.0	13.0	10.0	10.0	31.0	31.0	45.0	12.0		34.0
UT	8.0	7.0	9.0	9.0	46.0	43.0	37.0	18.0		23.0
VT	9.0	9.0	27.0	27.0	54.0	54.0	10.0	10.0		3/
VA	21.0	22.0	18.5	18.0	49.0	48.0	11.5	8.5		3.5
WA	11.0	11.0	7.0	7.0	40.0	40.0	42.0	13.0		29.0
WI	9.7	9.0	26.0	26.0	59.0	60.0	5.3	4.0		1.0
WY	3.6	3.5	3.4	4.0	33.0	32.0	60.0	15.5		45.0
Oth Sts	19.1	20.0	16.5	17.0	35.7	33.6	28.7	11.2		18.2
US	14.0	13.9	14.1	14.1	38.7	38.5	33.2	11.4		22.1

^{1/} Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.
^{2/} These estimates are for 500+ head.
^{3/} Combined with other size groups.

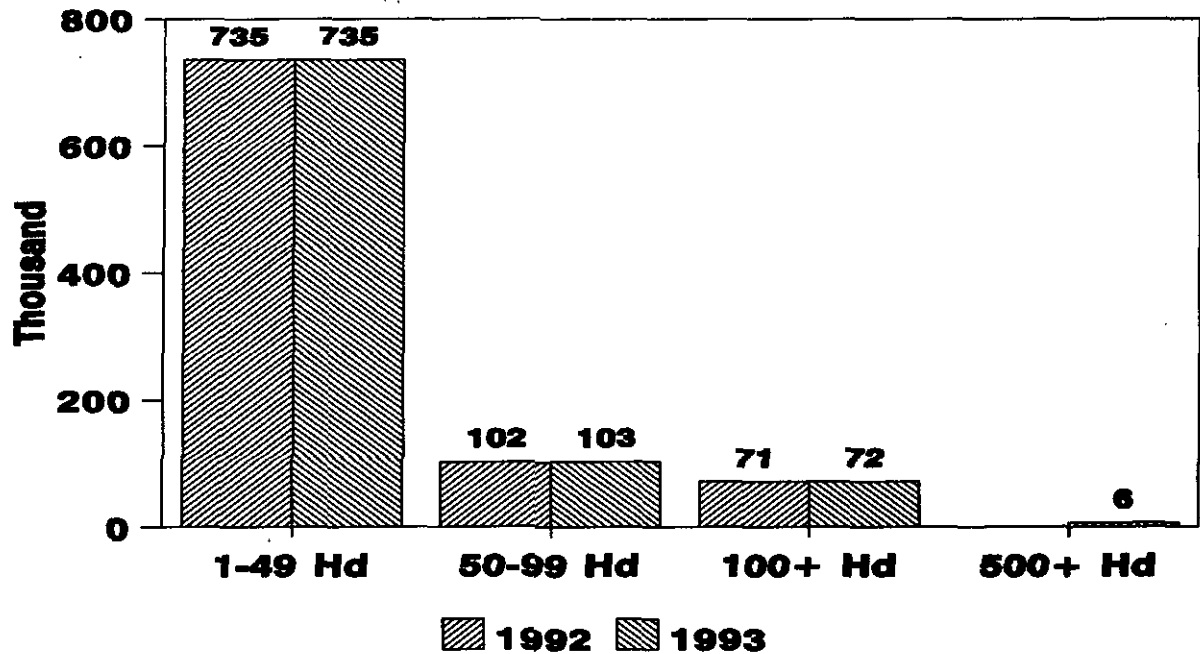
Beef Cows: Number of Operations by State and United States, 1992-93 1/

State	Operations with Beef Cows <u>2/</u>	
	1992	1993
	Number	
AL	32,000	32,000
AK	60	60
AZ	2,700	2,700
AR	28,000	28,000
CA	15,000	15,000
CO	10,000	9,500
CT	1,000	900
DE	240	230
FL	18,000	18,000
GA	26,000	26,000
HI	850	850
ID	8,000	7,500
IL	23,000	22,000
IN	18,500	18,000
IA	29,000	29,000
KS	29,000	29,000
KY	44,000	44,000
LA	18,000	18,500
ME	1,700	1,800
MD	3,600	3,800
MA	1,200	1,300
MI	8,000	8,000
MN	16,000	16,000
MS	27,000	27,000
MO	61,000	62,000
MT	11,700	11,600
NE	23,000	23,000
NV	1,400	1,400
NH	600	700
NJ	1,100	1,200
NM	7,000	7,000
NY	7,600	7,600
NC	25,000	26,000
ND	14,000	13,500
OH	20,000	21,000
OK	53,000	51,000
OR	17,000	17,000
PA	15,000	14,000
RI	180	240
SC	13,000	13,500
SD	18,000	18,000
TN	58,000	57,000
TX	125,000	130,000
UT	5,000	5,000
VT	1,300	1,300
VA	25,000	25,000
WA	14,000	14,000
WV	15,000	15,000
WI	9,600	9,800
WY	4,900	5,100
US	907,230	910,080

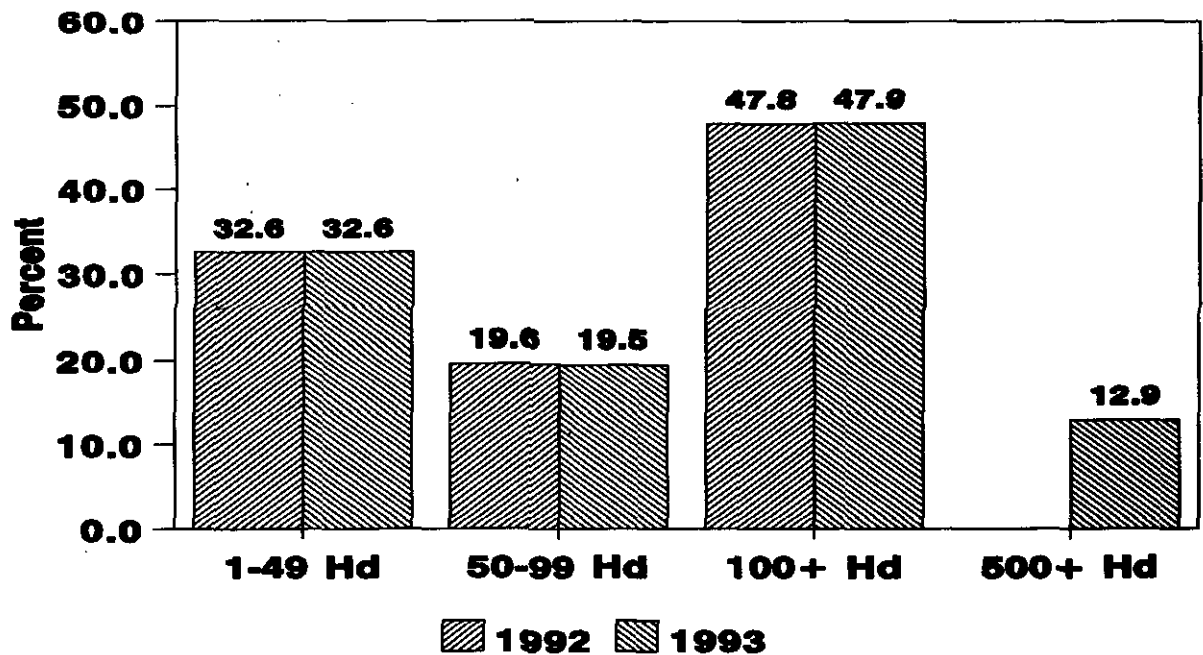
1/ An operation is any place having one or more head of beef cows on hand at any time during the year.

2/ Included in operations with cattle.

U.S. Beef Cow Operations Number by Size Group, 1992-93



U.S. Beef Cow Inventory Percent by Size Group, 1992-93



Beef Cows: Number of Operations by Size Group, Selected States
and United States, 1992-93 ^{1/}

State	Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1992	1993	1992	1993	1992 ^{2/}	1993	1992	1993
Number								
AL	27,200	27,000	3,200	3,300	1,600	1,660		40
AZ	1,200	1,300	450	350	1,050	860		190
AR	21,300	21,400	5,200	5,000	1,500	1,580		20
CA	11,700	11,700	1,300	1,200	2,000	1,800		300
CO	5,700	5,400	1,600	1,700	2,700	2,200		200
FL	14,200	14,300	1,700	1,600	2,100	1,740		360
GA	22,600	22,500	2,400	2,400	1,000	1,080		20
ID	5,400	5,100	1,100	1,000	1,500	1,300		100
IL	21,000	20,000	1,600	1,600	400	390		10
IN	17,300	16,900	900	830	300	270		^{3/}
IA	21,700	22,200	5,200	4,900	2,100	1,800		100
KS	19,900	19,700	5,500	5,800	3,600	3,400		100
KY	38,300	38,000	4,300	4,500	1,400	1,470		30
LA	15,000	15,500	1,900	1,900	1,100	1,000		100
MN	13,500	13,500	2,000	2,000	500	480		20
MS	23,500	23,500	2,500	2,600	1,000	860		40
MO	50,000	49,000	7,500	9,000	3,500	3,900		100
MT	4,700	4,600	2,500	2,200	4,500	4,300		500
NE	13,200	13,200	4,600	4,600	5,200	4,700		500
NM	4,500	4,500	1,100	1,000	1,400	1,200		300
ND	7,300	6,800	3,800	3,800	2,900	2,850		50
OH	19,200	20,000	600	700	200	290		10
OK	41,000	39,000	7,900	8,000	4,100	3,800		200
OR	14,300	14,500	1,300	1,200	1,400	1,100		200
PA	14,550	13,500	330	370	120	130		^{3/}
SD	9,000	8,700	4,100	4,300	4,900	4,700		300
TN	53,000	51,900	3,600	3,700	1,400	1,370		30
TX	99,500	104,000	14,000	14,300	11,500	10,400		1,300
UT	3,200	3,300	850	750	950	840		110
VA	21,000	21,000	3,050	3,000	950	980		20
WA	12,300	12,300	700	700	1,000	900		100
WY	2,300	2,400	600	600	2,000	1,800		300
Oth Sts	86,650	88,250	4,320	4,260	930	1,050		120
US	735,200	734,950	101,700	103,160	70,800	66,200		5,770

^{1/} An operation is any place having one or more beef cows on hand at any time during the year.

^{2/} These estimates are for 100+ head.

^{3/} Combined with other size groups.

Beef Cows: Percent of Inventory by Size Group, Selected States,
and United States, 1992-93 ^{1/}

State	Inventory on Operations Having							
	1-49 Head		50-99 Head		100-499 Head		500+ Head	
	1992	1993	1992	1993	1992 ^{2/}	1993	1992	1993
Percent								
AL	43.0	42.0	23.0	24.0	34.0	30.7		3.3
AZ	5.0	4.6	8.0	7.4	87.0	37.0		51.0
AR	42.0	43.0	33.0	32.0	25.0	23.5		1.5
CA	14.5	14.0	10.5	10.0	75.0	43.0		33.0
CO	12.0	13.0	12.0	14.0	76.0	53.0		20.0
FL	16.0	17.0	9.0	8.0	75.0	30.0		45.0
GA	52.0	50.0	23.0	24.0	25.0	24.0		2.0
ID	14.0	15.0	14.0	13.0	72.0	51.0		21.0
IL	67.0	64.0	21.0	22.0	12.0	13.2		0.8
IN	71.0	71.0	15.0	15.0	14.0	14.0		^{3/}
IA	40.0	42.0	30.0	29.0	30.0	22.5		6.5
KS	28.0	27.0	26.0	27.0	46.0	40.0		6.0
KY	55.0	54.0	25.0	26.0	20.0	18.3		1.7
LA	39.0	39.0	21.0	21.0	40.0	31.0		9.0
MN	50.0	49.0	31.0	32.0	19.0	16.0		3.0
MS	46.0	46.0	23.0	23.0	31.0	27.0		4.0
MO	44.0	42.0	25.0	28.0	31.0	26.5		3.5
MT	7.0	7.0	12.0	10.0	81.0	55.0		28.0
NE	16.5	16.0	16.5	16.0	67.0	46.0		22.0
NM	12.0	11.0	12.0	11.0	76.0	37.0		41.0
ND	18.0	16.0	27.0	28.0	55.0	52.0		4.0
OH	75.0	75.0	14.0	12.0	11.0	11.0		2.0
OK	34.0	34.0	27.0	27.0	39.0	30.0		9.0
OR	22.0	21.0	14.0	14.0	64.0	39.0		26.0
PA	79.0	77.0	10.5	12.0	10.5	11.0		^{3/}
SD	14.0	12.0	19.0	20.0	67.0	57.0		11.0
TN	58.0	56.0	23.0	24.0	19.0	18.0		2.0
TX	30.0	30.0	18.5	19.0	51.5	32.0		19.0
UT	14.0	13.0	18.0	14.0	68.0	46.0		27.0
VA	46.0	46.0	28.5	28.5	25.5	23.0		2.5
WA	26.0	26.0	13.0	13.0	61.0	41.0		20.0
WY	5.0	5.5	6.0	6.5	89.0	49.0		39.0
Oth Sts	43.2	44.1	16.8	16.7	40.0	29.0		10.2
US	32.6	32.6	19.6	19.5	47.8	35.0		12.9

^{1/} Percents reflect average distributions of various probability surveys conducted during the year but are based primarily on end-of-year surveys.

^{2/} These estimates are for 100+ head.

^{3/} Combined with other size groups.

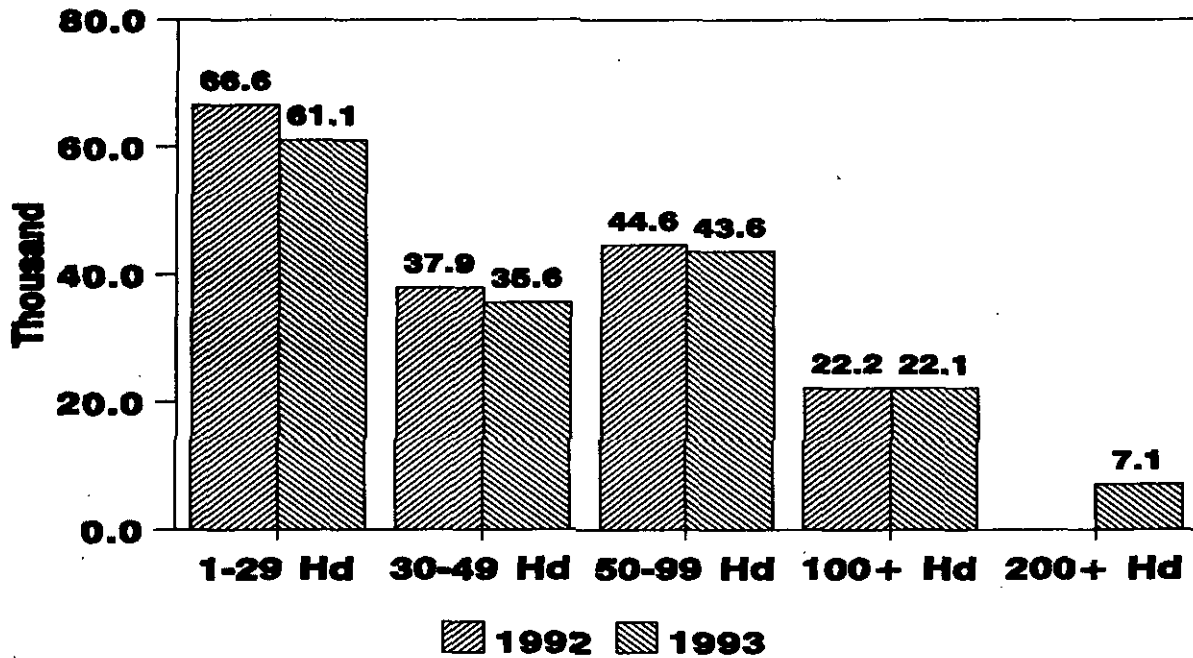
Milk Cows: Number of Operations by State and United States, 1992-93 1/

State	Operations with Milk Cows <u>2/</u>	
	1992	1993
	Number	
AL	900	600
AK	30	30
AZ	500	500
AR	1,900	1,800
CA	4,200	4,200
CO	1,500	1,500
CT	500	400
DE	150	150
FL	1,000	900
GA	1,200	1,200
HI	80	80
ID	1,900	1,700
IL	3,000	2,800
IN	4,500	4,300
IA	6,600	5,600
KS	2,000	1,700
KY	4,800	4,600
LA	1,700	1,700
ME	900	900
MD	1,400	1,300
MA	700	600
MI	5,500	5,000
MN	14,000	13,500
MS	1,200	1,100
MO	7,500	7,500
MT	1,600	1,300
NE	3,000	2,900
NV	300	300
NH	400	400
NJ	450	400
NM	1,200	1,100
NY	11,800	11,700
NC	1,200	1,200
ND	2,000	1,900
OH	8,600	8,000
OK	2,800	2,600
OR	1,500	1,500
PA	14,000	13,000
RI	50	40
SC	500	450
SD	3,000	2,800
TN	3,400	3,200
TX	5,300	5,000
UT	1,500	1,400
VT	2,500	2,500
VA	2,500	2,400
WA	3,000	3,000
WV	1,500	1,200
WI	31,000	30,000
WY	500	500
US	171,260	162,450

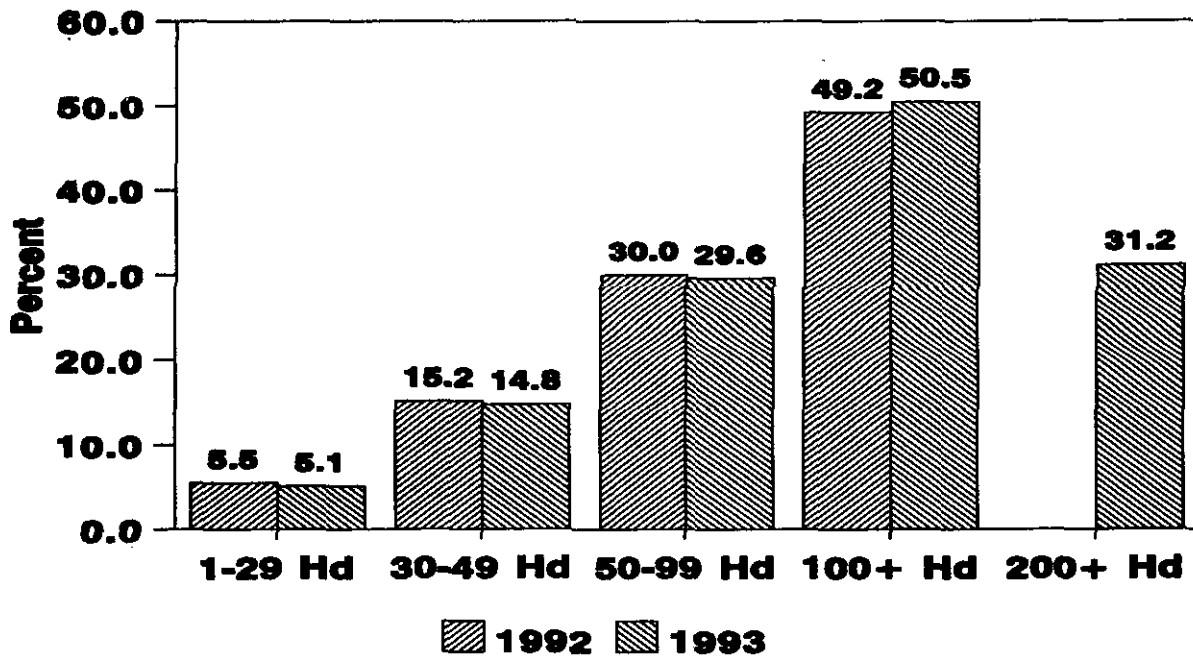
1/ An operation is any place having one or more head of milk cows on hand at any time during the year.

2/ Included in operations with cattle.

U.S. Milk Cow Operations Number by Size Group, 1992-93



U.S. Milk Cow Inventory Percent by Size Group, 1992-93



Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1992-93 1/ 2/

State	Operations Having					
	1-29 Head		30-49 Head		50-99 Head	
	1992	1993	1992	1993	1992	1993
Number						
AZ	390	390	0	0	0	0
CA	1,600	1,600	120	120	280	280
CO	1,100	1,100	50	50	110	110
FL	680	600	0	10	50	40
GA	600	600	50	50	150	150
ID	790	620	280	280	380	330
IL	690	670	690	590	1,200	1,120
IN	2,700	2,500	700	700	800	800
IA	2,200	1,600	2,000	1,700	1,900	1,850
KY	2,350	2,100	1,000	900	1,050	1,200
MD	350	320	250	210	490	480
MI	1,500	1,300	1,400	1,200	1,600	1,500
MN	3,500	3,300	5,500	5,400	4,200	4,000
MO	4,000	4,000	1,100	1,100	1,700	1,700
NM	1,080	970	0	0	10	10
NY	2,600	2,600	2,600	2,600	4,700	4,600
NC	460	460	80	80	260	260
OH	4,100	3,800	1,900	1,600	2,100	2,100
OR	810	780	80	90	210	200
PA	3,900	3,400	4,600	4,300	4,300	4,200
TN	1,700	1,600	440	440	750	610
TX	3,180	2,950	180	180	540	510
UT	740	660	120	100	310	290
VT	300	300	600	600	1,100	1,100
VA	1,230	1,150	210	200	570	570
WA	1,700	1,600	100	120	450	500
WI	7,100	6,300	10,900	10,300	10,600	10,800
Oth Sts	15,250	13,860	2,950	2,670	4,750	4,320
US	66,600	61,130	37,900	35,590	44,560	43,630

See footnotes at end of table.

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Milk Cows: Number of Operations by Size Group, Selected States, and United States, 1992-93 1/ 2/ (continued)

State	Operations Having			
	100-199 Head		200+ Head	
	1992 <u>3/</u>	1993	1992	1993
Number				
AZ	110	10		100
CA	2,200	300		1,900
CO	240	110		130
FL	270	50		200
GA	400	250		150
ID	450	260		210
IL	420	380		40
IN	300	240		60
IA	500	400		50
KY	400	350		50
MD	310	230		60
MI	1,000	800		200
MN	800	730		70
MO	700	600		100
NM	110	10		110
NY	1,900	1,500		400
NC	400	300		100
OH	500	410		90
OR	400	240		190
PA	1,200	930		170
TN	510	450		100
TX	1,400	800		560
UT	330	220		130
VT	500	400		100
VA	490	370		110
WA	750	400		380
WI	2,400	2,300		300
Oth Sts	3,210	1,920		1,080
US	22,200	14,960		7,140

- 1/ An operation is any place having one or more head of milk cows on hand at any time during the year.
2/ Included in operations with cattle.
3/ These estimates are for 100+ head.

Milk Cows: Percent of Operations by Size Group, Selected States, and United States, 1992-93 ^{1/}

State	Inventory on Operations Having									
	1-29 Head		30-49 Head		50-99 Head		100-199 Head		200+ Head	
	1992	1993	1992	1993	1992	1993	1992 ^{2/}	1993	1992	1993
Percent										
AZ	0.5	0.5					99.5	1.5		98.0
CA	0.2	0.2	0.4	0.4	1.7	1.7	97.7	3.8		93.9
CO	1.9	2.0	2.0	1.8	11.7	10.0	84.4	20.0		66.2
FL	0.6	0.4		0.2	1.7	1.1	97.7	3.9		94.4
GA	1.4	1.5	1.5	1.5	9.8	9.8	87.3	32.3		54.9
ID	2.2	2.2	6.5	6.5	13.5	10.8	77.8	20.0		60.5
IL	3.7	4.3	16.4	15.0	48.2	48.4	31.7	26.9		5.4
IN	15.9	13.3	17.2	16.8	40.7	38.4	26.2	19.6		11.9
IA	11.2	9.7	25.9	25.0	41.3	42.3	21.6	18.7		4.3
KY	8.9	8.1	21.6	20.0	38.4	41.1	31.1	22.7		8.1
MD	5.0	4.0	11.0	9.0	34.0	36.0	50.0	31.0		20.0
MI	4.7	4.7	14.1	12.9	33.8	32.4	47.4	30.9		19.1
MN	9.5	9.6	32.9	32.9	40.9	40.9	16.7	13.9		2.7
MO	6.6	6.5	15.2	15.2	39.1	39.1	39.1	29.6		9.6
NM	1.5	1.2			0.5	0.4	98.0	0.8		97.6
NY	3.7	3.4	13.2	13.4	41.1	39.1	42.0	26.1		18.0
NC	1.0	1.0	3.1	3.2	19.8	20.0	76.1	44.2		31.6
OH	14.3	14.3	19.1	19.0	42.2	42.2	24.4	17.8		6.7
OR	3.0	2.0	3.0	3.0	15.0	14.0	79.0	30.0		51.0
PA	7.1	7.1	25.3	25.2	42.2	42.3	25.4	17.9		7.5
TN	7.9	7.9	10.0	11.1	29.5	26.8	52.6	37.9		16.3
TX	1.1	1.1	1.8	1.8	10.8	10.8	86.3	27.1		59.2
UT	2.6	1.8	5.3	4.2	23.7	21.7	68.4	28.9		43.4
VT	1.8	1.8	12.0	12.0	41.9	41.9	44.3	27.5		16.8
VA	3.3	3.3	5.6	5.6	29.6	29.6	61.5	38.5		23.0
WA	2.0	2.4	1.6	2.0	11.9	13.9	84.5	23.9		57.8
WI	7.7	6.5	28.7	27.7	42.5	43.1	21.1	17.8		4.9
Oth Sts	6.4	6.4	12.0	12.0	31.0	31.0	50.6	19.3		31.3
US	5.5	5.1	15.2	14.8	30.0	29.6	49.3	19.3		31.2

^{1/} Percents reflect average distribution of various probability surveys conducted during the year but are primarily on beginning-of-year and mid-year surveys.

^{2/} These estimates are for 100+ head.

All Cattle and Calves: Number, Value per Head, and Total Value
by State and United States, January 1, 1993-94

State	Number		Value per Head		Total Value	
	1993	1994	1993	1994	1993	1994
	--- 1,000 Head ---		--- Dollars ---		-- 1,000 Dollars ---	
AL	1,770	1,810	505	540	893,850	977,400
AK	7.9	8.1	615	625	4,859	5,063
AZ	890	870	610	610	542,900	530,700
AR	1,710	1,810	570	580	974,700	1,049,800
CA	4,500	4,550	745	770	3,352,500	3,503,500
CO	2,850	2,900	690	685	1,966,500	1,986,500
CT	75	73	780	820	58,500	59,860
DE	33	28	745	775	24,585	21,700
FL	1,950	1,980	605	635	1,179,750	1,257,300
GA	1,500	1,540	530	555	795,000	854,700
HI	178	165	485	490	86,330	80,850
ID	1,680	1,700	670	735	1,125,600	1,249,500
IL	1,930	1,980	650	645	1,254,500	1,277,100
IN	1,200	1,200	595	630	714,000	756,000
IA	4,400	4,250	655	670	2,882,000	2,847,500
KS	5,890	5,950	615	630	3,622,350	3,748,500
KY	2,600	2,600	560	575	1,456,000	1,495,000
LA	1,000	970	615	615	615,000	596,550
ME	118	117	680	700	80,240	81,900
MD	325	315	765	770	248,625	242,550
MA	70	69	775	805	54,250	55,545
MI	1,225	1,225	760	775	931,000	949,375
MN	2,850	2,750	695	720	1,980,750	1,980,000
MS	1,415	1,440	540	555	764,100	799,200
MO	4,600	4,800	600	615	2,760,000	2,952,000
MT	2,450	2,500	755	775	1,849,750	1,937,500
NE	5,900	6,100	670	685	3,953,000	4,178,500
NV	480	470	630	645	302,400	303,150
NH	52	51	745	780	38,740	39,780
NJ	75	65	805	840	60,375	54,600
NM	1,370	1,410	650	665	890,500	937,650
NY	1,560	1,540	820	825	1,279,200	1,270,500
NC	1,030	1,060	535	530	551,050	561,800
ND	1,800	1,900	735	745	1,323,000	1,415,500
OH	1,610	1,540	655	710	1,054,550	1,093,400
OK	5,300	5,200	570	580	3,021,000	3,016,000
OR	1,350	1,410	670	690	904,500	972,900
PA	1,850	1,800	790	800	1,461,500	1,440,000
RI	7.0	7.5	690	680	4,830	5,100
SC	630	650	555	535	349,650	347,750
SD	3,750	3,750	705	715	2,643,750	2,681,250
TN	2,300	2,440	545	550	1,253,500	1,342,000
TX	14,300	14,800	615	595	8,794,500	8,806,000
UT	850	850	695	690	590,750	586,500
VT	300	285	845	895	253,500	255,075
VA	1,710	1,710	565	590	966,150	1,008,900
WA	1,350	1,400	760	765	1,026,000	1,071,000
WV	520	500	565	575	293,800	287,500
WI	3,950	3,800	780	770	3,081,000	2,926,000
WY	1,350	1,410	720	760	972,000	1,071,600
US	100,611	101,749	648	658	65,286,884	66,968,048

Cattle Calves: Number by Class and Calf Crop,
United States, July 1, 1991-93

Class	1991	1992	1993	1993 as % of 1992
	1,000 Head			Percent
Cattle and Calves	109,000	109,200	110,600	101
Cows and Heifers That Have Calved:	44,400	44,400	45,200	102
Beef Cows	34,400	34,550	35,400	102
Milk Cows	10,000	9,850	9,800	99
Heifers 500 Pounds and Over	16,900	17,000	17,200	101
For Beef Cow Replacement	5,300	5,700	5,800	102
For Milk Cow Replacement	4,200	4,200	4,100	98
Other Heifers	7,400	7,100	7,300	103
Steers 500 Pounds and Over	15,100	15,100	15,200	101
Bulls 500 Pounds and Over	2,200	2,200	2,200	100
Calves Under 500 Pounds	30,400	30,500	30,800	101
Calf Crop	39,026	39,290	39,640	101

Calf Crop: Number and Percent of Total, by Six Month Period,
United States, 1991-93

Period	1991		1992		1993	
	Number	% of Total	Number	% of Total	Number	% of Total
	1,000 Hd	Pct	1,000 Hd	Pct	1,000 Hd	Pct
Jan 1 - Jun 30	28,700	73.5	28,800	73.3	28,900	72.9
Jul 1 - Dec 31	10,326	26.5	10,490	26.7	10,740	27.1
Total	39,026	100.0	39,290	100.0	39,640	100.0

Cattle and Calves: Balance Sheet, United States
January 1 - June 30, 1991-93

Item	1991	1992	1993
	Million Head		
January 1 Inventory	98.9	99.6	100.6
Calf Crop and Imports	29.9	29.9	30.2
Total Supply <u>1/</u>	128.7	129.4	130.8
Slaughter	17.0	17.1	17.1
Deaths and Exports	2.5	2.7	2.9
Total Disappearance <u>1/</u>	19.5	19.8	20.0
Residual <u>1/</u>	-0.2	-0.4	-0.2
July 1 Inventory	109.0	109.2	110.6

1/ Totals may not add due to rounding.

Cattle and Calves: Value Per Head and Total Value,
United States, January 1, 1992-94

Class	Value per Head			Total Value		
	1992	1993	1994	1992	1993	1994
	Dollars			1,000 Dollars		
Cattle and Calves:	629	648	658	62,656,390	65,286,884	66,968,048

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. About 75,000 operators were contacted during the first half of January by mail, telephone and face-to-face personal interviews and 85 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 Commerce's 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 below. 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 15 years is 0.6 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 101.7 million head by more than 0.6 percent, or about 610,000 head. Chances are 9 out of 10 that the difference will not exceed 1.1 percent, or about 1,119,000 head (the 90 percent confidence level).

The table below also shows a 15-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 15 years have averaged 471,000 head, ranging from 0 to 1,419,000 head. During this period the initial inventory estimate has been below the final estimate 3 times, above the final estimate 11 times, and unchanged 1 time. This does not imply that the January 1 estimate is likely to understate or overstate final inventory.

Reliability of January 1 Cattle Estimates ^{1/}

Item	Root Mean Square Error	90% Confidence Level		Difference Between First and Latest Estimates			Number of Years	
		Percent	Head	Average	Smallest	Largest	Above Latest	Below Latest
All Cattle	0.6	1.1	1,119	471	0	1,419	11	3
All Cows	0.6	1.0	445	187	9	550	11	4
Calf Crop	0.7	1.2	476	183	0	630	12	2

^{1/} Based on January 1 estimates for the past 10 years.

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