

Cattle



**United States
Department of
Agriculture**

Washington, D.C.

Released February 5, 1993, by the Agricultural Statistics Board. Inventory estimates refer to January 1, 1993. Calf crop and number of operation estimates are for the 1991 and 1992 calendar years.

January 1 Cattle Inventory Up 1 Percent

All cattle and calves in the United States as of January 1, 1993, totaled 100.9 million head, 1 percent above the revised 99.6 million on January 1, 1992, and 2 percent above the 98.9 million two years ago.

All cows and heifers that have calved, at 43.8 million, were up fractionally from a year ago and up 1 percent from two years ago.

- Beef cows, at 34.0 million, were up 1 percent from January 1, 1992, and 2 percent above two years ago.
- Milk cows, at 9.84 million, were 1 percent below January 1, 1992, and 3 percent below 1991.

Other class estimates on January 1, 1993, and the changes from January 1 last year and two years ago, respectively, are as follows:

- All heifers 500 pounds and over, 19.0 million, up 5 percent both years.
- Beef replacement heifers, 6.18 million, up 7 percent and up 10 percent.
- Milk replacement heifers, 4.22 million, up 1 percent and virtually unchanged.
- Other heifers, 8.64 million, up 6 percent and up 3 percent.

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

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- **Steers** weighing 500 pounds and over, 17.1 million, up 2 percent and up 5 percent.
- **Bulls** weighing 500 pounds and over, 2.31 million, up 1 percent and up 4 percent.
- **Calves** under 500 pounds, 18.5 million, down 1 percent both years.
- **All cattle and calves on feed** for slaughter, 12.7 million, up 6 percent and up 1 percent.

Calf Crop Up 1 Percent

The 1992 calf crop was 39.3 million, up 1 percent from 1991 and up fractionally from 1990. The calf crop was down slightly from the expected number published last July. Calves born during the first half of the year are estimated at 28.8 million, up slightly from both 1991 and 1990.

This report was approved on February 5, 1993, by the Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.



Secretary of
Agriculture
Mike Espy



Agricultural Statistics Board
Chairperson
Rich Allen

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

Class	1991	1992	1993	: 1993 as :% of 1992
	----- 1,000 Head -----			Percent
Cattle and Calves	98,896	99,559	100,892	101
Cows and Heifers That Have Calved	43,427	43,688	43,845	100
Beef Cows	33,271	33,775	34,001	101
Milk Cows	10,156	9,913	9,844	99
Heifers 500 Pounds and Over	18,182	18,105	19,046	105
For Beef Cow Replacement	5,605	5,761	6,183	107
For Milk Cow Replacement	4,220	4,202	4,224	101
Other Heifers	8,357	8,142	8,639	106
Steers 500 Pounds and Over	16,369	16,755	17,149	102
Bulls 500 Pounds and Over	2,228	2,279	2,307	101
Calves Under 500 Pounds	18,691	18,733	18,546	99
	1990	1991	1992	: 1992 as :% of 1991
Calf Crop	39,249	39,026	39,335	101

Cattle and Calves: Balance Sheet,
United States, 1990-92 1/

Item	1990	1991	1992
	Million Head		
January 1 Inventory (Beginning of year)	98.2	98.9	99.6
Calf Crop and Imports	41.4	41.0	41.6
Total Supply <u>2/</u>	139.6	139.9	141.1
Slaughter	35.3	34.4	34.5
Deaths and Exports	4.5	4.7	4.8
Total Disappearance <u>2/</u>	39.8	39.1	39.3
Residual <u>2/</u>	-.9	-1.3	-.9
January 1 Inventory (End of year)	98.9	99.6	100.9

1/ Final 1991 and preliminary 1992 estimates will be published in the "Meat Animals: Production, Disposition and Income" report, published on April 14, 1993.

2/ Totals may not add due to rounding.

Cattle and Calves: Number by Class, State,
and United States, January 1, 1992-93

State	All Cattle and Calves			All Cows That Have Calved		
	1992	1993	1993 as % of 92	1992	1993	1993 as % of 92
	-- 1,000 Head --		Percent	-- 1,000 Head --		Percent
AL	1,800	1,770	98	910	910	100
AK	8.0	7.9	99	3.3	3.2	97
AZ	900	890	99	375	380	101
AR	1,710	1,710	100	941	923	98
CA	4,500	4,500	100	2,010	1,990	99
CO	2,900	2,850	98	900	880	98
CT	73	77	105	39	39	100
DE	31	33	106	13	14	108
FL	1,940	1,950	101	1,255	1,250	100
GA	1,470	1,500	102	790	810	103
HI	200	178	89	87	89	102
ID	1,760	1,680	95	730	695	95
IL	1,980	2,000	101	760	770	101
IN	1,220	1,220	100	510	500	98
IA	4,400	4,400	100	1,450	1,415	98
KS	5,650	5,890	104	1,445	1,435	99
KY	2,580	2,600	101	1,300	1,300	100
LA	950	1,000	105	600	630	105
ME	114	116	102	58	55	95
MD	315	325	103	157	163	104
MA	70	71	101	41	42	102
MI	1,200	1,225	102	444	455	102
MN	2,800	2,850	102	1,050	1,070	102
MS	1,350	1,415	105	760	798	105
MO	4,500	4,600	102	2,270	2,300	101
MT	2,500	2,450	98	1,460	1,483	102
NE	5,800	5,900	102	1,850	1,880	102
NV	520	480	92	290	250	86
NH	46	52	113	24	24	100
NJ	70	75	107	37	38	103
NM	1,400	1,370	98	640	680	106
NY	1,560	1,560	100	825	825	100
NC	1,000	1,050	105	515	540	105
ND	1,800	1,800	100	960	960	100
OH	1,600	1,610	101	700	670	96
OK	5,400	5,400	100	2,020	1,990	99
OR	1,420	1,350	95	690	665	96
PA	1,870	1,850	99	880	860	98
RI	7.0	7.0	100	3.5	3.8	109
SC	600	630	105	320	340	106
SD	3,550	3,750	106	1,640	1,670	102
TN	2,290	2,300	100	1,170	1,170	100
TX	13,600	14,300	105	5,850	5,950	102
UT	800	850	106	400	426	107
VT	275	300	109	175	179	102
VA	1,750	1,780	102	860	870	101
WA	1,450	1,350	93	640	620	97
WV	540	520	96	290	285	98
WI	4,000	3,950	99	1,850	1,820	98
WY	1,290	1,350	105	700	730	104
US	99,559	100,892	101	43,688	43,845	100

Cattle and Calves: Number by Class, State,
and United States, January 1, 1992-93

State	Beef Cows That Have Calved			Milk Cows That Have Calved		
	1992	1993	1993 as % of 92	1992	1993	1993 as % of 92
	-- 1,000 Head --		Percent	-- 1,000 Head --		Percent
AL	867	870	100	43	40	93
AK	2.5	2.5	100	.8	.7	88
AZ	279	284	102	96	96	100
AR	872	857	98	69	66	96
CA	850	820	96	1,160	1,170	101
CO	823	800	97	77	80	104
CT	6	4	67	33	35	106
DE	4	4	100	9	10	111
FL	1,076	1,070	99	179	180	101
GA	685	708	103	105	102	97
HI	77	78	101	10	11	110
ID	552	510	92	178	185	104
IL	571	584	102	189	186	98
IN	365	357	98	145	143	99
IA	1,147	1,110	97	303	305	101
KS	1,350	1,350	100	95	85	89
KY	1,110	1,115	100	190	185	97
LA	521	550	106	79	80	101
ME	17	15	88	41	40	98
MD	55	63	115	102	100	98
MA	11	12	109	30	30	100
MI	106	115	108	338	340	101
MN	375	410	109	675	660	98
MS	700	738	105	60	60	100
MO	2,050	2,070	101	220	230	105
MT	1,436	1,460	102	24	23	96
NE	1,750	1,783	102	100	97	97
NV	271	230	85	19	20	105
NH	3	4	133	21	20	95
NJ	12	13	108	25	25	100
NM	539	557	103	101	123	122
NY	70	70	100	755	755	100
NC	417	444	106	98	96	98
ND	880	885	101	80	75	94
OH	370	355	96	330	315	95
OK	1,921	1,895	99	99	95	96
OR	590	564	96	100	101	101
PA	207	201	97	673	659	98
RI	1.3	1.5	115	2.2	2.3	105
SC	287	311	108	33	29	88
SD	1,508	1,542	102	132	128	97
TN	975	980	101	195	190	97
TX	5,475	5,570	102	375	380	101
UT	324	343	106	76	83	109
VT	12	12	100	163	167	102
VA	720	735	102	140	135	96
WA	402	369	92	238	251	105
WV	267	262	98	23	23	100
WI	175	195	111	1,675	1,625	97
WY	691	723	105	9	7	78
US	33,775	34,001	101	9,913	9,844	99

Cattle and Calves: Number by Class, State,
and United States, January 1, 1992-93

State	Heifers 500 Pounds and Over					
	Beef Cow Replacement		Milk Cow Replacement		Other	
	1992	1993	1992	1993	1992	1993
	1,000 Head					
AL	158	160	16	17	66	53
AK	0.7	0.6	0.3	0.2	0.1	0.1
AZ	46	44	20	20	15	16
AR	140	168	22	22	48	50
CA	140	140	540	560	190	170
CO	150	140	35	40	585	570
CT	2	1	13	14	1	
DE	1	2	4	4	2	2
FL	145	160	30	35	10	20
GA	104	125	44	36	46	39
HI	15	12	5	4	15	12
ID	95	95	90	100	190	165
IL	72	74	78	76	270	285
IN	45	50	65	70	85	90
IA	160	170	140	135	675	730
KS	225	225	40	40	975	1,100
KY	200	205	70	70	100	95
LA	89	81	21	23	14	16
ME	4	6	18	22	2	2
MD	13	15	41	42	12	12
MA	3	3	9	9	1	1
MI	30	31	159	163	45	43
MN	70	85	315	325	220	240
MS	128	133	23	23	24	25
MO	315	360	110	100	190	200
MT	350	345	8	8	182	152
NE	230	240	35	35	1,045	1,155
NV	40	41	6	6	31	31
NH	2	1	8	11		1
NJ	3	4	11	11	2	2
NM	90	105	22	26	77	69
NY	25	25	312	324	44	55
NC	98	98	38	43	19	25
ND	150	180	30	25	170	165
OH	67	72	163	159	85	83
OK	290	320	35	35	445	485
OR	115	110	42	40	93	110
PA	45	44	295	293	48	46
RI	0.3	0.3	1.2	1.0		
SC	52	55	15	13	19	20
SD	235	275	35	35	420	480
TN	190	215	50	55	65	60
TX	930	1,040	80	100	1,140	1,310
UT	58	62	48	50	39	44
VT	3	3	47	61	1	1
VA	120	122	80	78	77	79
WA	75	85	125	110	130	125
WV	57	50	10	9	21	16
WI	35	40	795	745	80	70
WY	150	165	2	1	128	119
US	5,761	6,183	4,202	4,224	8,142	8,639

Cattle and Calves: Number by Class, State,
and United States, January 1, 1992-93

State	Steers		Bulls		Calves	
	500 Pounds and Over		500 Pounds and Over		Under 500 Lbs.	
	1992	1993	1992	1993	1992	1993
	1,000 Head					
AL	112	108	63	62	475	460
AK	0.4	0.5	1.6	1.9	1.6	1.4
AZ	217	230	27	27	200	173
AR	84	77	50	51	425	419
CA	630	640	70	70	920	930
CO	930	930	50	50	250	240
CT	2	2	1	1	15	20
DE	4.7	4.7	0.3	0.4	6	5.9
FL	20	20	65	70	415	395
GA	69	50	47	48	370	392
HI	20	12	5	5	53	44
ID	365	370	40	40	250	215
IL	390	390	35	35	375	370
IN	175	175	25	25	315	310
IA	1,120	1,100	80	75	775	775
KS	2,060	2,200	75	75	830	815
KY	225	225	73	75	612	630
LA	14	16	32	34	180	200
ME	4	3	2	2	26	26
MD	30	31	4	5	58	57
MA	2	2	2	2	12	12
MI	252	257	18	19	252	257
MN	485	500	35	35	625	595
MS	45	50	50	52	320	334
MO	405	420	110	120	1,100	1,100
MT	220	187	85	85	195	190
NE	1,780	1,790	90	90	770	710
NV	45	50	15	14	93	88
NH	2	2	1	1	9	12
NJ	4	5	2	2	11	13
NM	244	190	37	40	290	260
NY	48	39	19	19	287	273
NC	45	44	30	31	255	269
ND	250	250	50	55	190	165
OH	220	229	35	30	330	367
OK	1,320	1,270	120	120	1,170	1,180
OR	173	195	42	40	265	190
PA	205	210	30	31	367	366
RI	0.4	0.4	0.1	0.3	1.5	1.2
SC	32	31	21	22	141	149
SD	640	760	78	80	502	450
TN	110	120	65	65	640	615
TX	2,750	2,900	410	410	2,440	2,590
UT	107	111	20	21	128	136
VT	3	2	3	3	43	51
VA	155	163	43	43	415	425
WA	251	223	29	27	200	160
WV	54	54	18	17	90	89
WI	285	350	35	35	920	890
WY	150	160	40	45	120	130
US	16,755	17,149	2,279	2,307	18,733	18,546

Calf Crop: Number by State and United States, 1991-92

State	1991	1992	1992 as % of 91
	----- 1,000 Head -----		Percent
AL	830	800	96
AK	2.7	2.5	93
AZ	290	300	103
AR	770	760	99
CA	1,700	1,680	99
CO	840	830	99
CT	34	37	109
DE	11	12	109
FL	980	1,000	102
GA	670	710	106
HI	68	71	104
ID	670	660	99
IL	610	600	98
IN	450	430	96
IA	1,340	1,280	96
KS	1,330	1,320	99
KY	1,210	1,200	99
LA	480	490	102
ME	50	50	100
MD	125	128	102
MA	33	35	106
MI	380	420	111
MN	1,030	1,040	101
MS	680	710	104
MO	2,040	2,100	103
MT	1,400	1,430	102
NE	1,680	1,700	101
NV	260	230	88
NH	22	23	105
NJ	32	33	103
NM	480	560	117
NY	770	760	99
NC	450	490	109
ND	940	940	100
OH	600	580	97
OK	1,830	1,790	98
OR	645	620	96
PA	770	780	101
RI	3.5	3.5	100
SC	245	260	106
SD	1,610	1,650	102
TN	1,070	1,070	100
TX	5,100	5,150	101
UT	330	370	112
VT	160	165	103
VA	805	815	101
WA	540	550	102
WV	260	250	96
WI	1,730	1,740	101
WY	670	710	106
US	39,026	39,335	101

Cattle and Calves: Number on Feed by State
and United States, January 1, 1992-93

State	1992	1993	1993 as % of 1992
	----- 1,000 Head -----		Percent
AZ	217	233	107
CA	380	440	116
CO	930	1,000	108
ID	280	280	100
IL	340	330	97
IA	880	890	101
KS	1,820	1,920	105
MN	310	330	106
NE	1,990	2,130	107
OK	345	345	100
SD	290	340	117
TX	2,180	2,460	113
WA	173	186	108
13 Sts	10,135	10,884	107
AL	25	17	68
AR	16	17	106
GA	18	17	94
HA	9	2	22
IN	210	210	100
KY	35	35	100
LA	9	5	56
MD	15	17	113
MI	210	220	105
MS	9	10	111
MO	90	105	117
MT	90	75	83
NV	45	40	89
NJ	2	6	300
NM	120	130	108
NY	30	35	117
NC	20	15	75
ND	65	70	108
OH	225	215	96
OR	85	100	118
PA	80	85	106
SC	18	14	78
TN	25	25	100
UT	50	58	116
VA	35	40	114
WV	14	10	71
WI	140	140	100
WY	105	90	86
Oth Sts ^{2/}	15	12	80
US	11,945	12,701	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.

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

Cattle and Beef Cows: Number of Operations by State
and United States, 1991-92 1/

State	Operations With Cattle		Operations With Beef Cows 2/	
	1991	1992	1991	1992
	Number			
AL	35,000	33,000	34,000	32,000
AK	140	130	70	60
AZ	4,600	4,700	2,600	2,700
AR	34,000	33,000	29,000	28,000
CA	28,000	26,000	17,000	15,000
CO	14,500	14,000	10,500	10,000
CT	1,600	1,700	1,000	1,000
DE	660	670	220	240
FL	20,000	20,000	18,000	18,000
GA	30,000	29,000	27,000	26,000
HI	900	900	850	850
ID	14,000	14,000	8,000	8,000
IL	33,000	32,000	22,000	23,000
IN	33,000	31,000	19,000	19,000
IA	45,000	45,000	29,000	29,000
KS	35,000	35,000	29,000	29,000
KY	55,000	52,000	45,000	44,000
LA	20,000	19,500	18,500	18,000
ME	2,900	2,800	1,800	1,700
MD	7,000	6,900	3,500	3,600
MA	2,200	2,200	1,300	1,200
MI	20,000	20,000	8,000	8,000
MN	37,000	39,000	16,000	16,000
MS	29,000	29,000	27,000	27,000
MO	80,000	74,000	65,000	61,000
MT	13,400	12,800	11,900	11,700
NE	30,000	29,000	23,000	23,000
NV	1,700	1,700	1,400	1,400
NH	1,100	1,100	600	600
NJ	2,000	2,100	1,100	1,100
NM	9,000	9,000	7,000	7,000
NY	21,000	21,000	7,600	8,000
NC	28,000	28,000	24,000	24,000
ND	16,300	16,300	14,500	14,500
OH	42,000	41,000	23,000	20,000
OK	62,000	64,000	51,000	53,000
OR	23,000	23,000	17,000	17,000
PA	35,000	37,000	14,000	15,000
RI	270	270	180	180
SC	15,000	15,000	13,500	13,000
SD	23,000	22,000	18,500	18,000
TN	67,000	67,000	57,000	58,000
TX	135,000	140,000	119,000	125,000
UT	7,600	7,800	4,800	5,000
VT	4,200	4,000	1,400	1,300
VA	32,000	30,000	26,000	25,000
WA	21,000	20,000	15,000	14,000
WV	16,000	17,000	14,000	15,000
WI	54,000	52,000	10,000	9,600
WY	5,400	5,800	4,800	4,900
US	1,247,470	1,232,370	913,620	907,630

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

2/ Included in operations with cattle.

Milk Cows: Number of Operations by State
and United States, 1991-92 1/

State	Operations With Milk Cows <u>2/</u>	
	1991	1992
	Number	
AL	1,100	900
AK	30	30
AZ	500	500
AR	2,000	1,900
CA	4,200	4,200
CO	1,600	1,500
CT	500	500
DE	160	150
FL	1,000	1,000
GA	1,400	1,200
HI	80	80
ID	1,900	1,900
IL	3,000	3,000
IN	4,700	4,500
IA	7,000	6,600
KS	2,300	2,300
KY	5,500	4,800
LA	1,800	1,700
ME	900	900
MD	1,600	1,400
MA	700	700
MI	6,000	5,500
MN	15,000	14,000
MS	1,300	1,100
MO	7,500	7,500
MT	1,800	1,600
NE	3,200	3,000
NV	300	300
NH	400	400
NJ	450	450
NM	1,300	1,300
NY	12,200	11,800
NC	1,500	1,200
ND	2,100	2,000
OH	8,900	8,600
OK	3,000	2,800
OR	1,900	1,500
PA	14,500	14,000
RI	50	50
SC	800	500
SD	3,300	3,000
TN	4,000	3,400
TX	5,300	5,300
UT	1,500	1,500
VT	2,600	2,500
VA	2,800	2,500
WA	3,000	3,000
WV	2,000	1,500
WI	32,000	31,000
WY	600	500
US	181,270	171,560

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

2/ Included in operations with cattle.

All Cattle and Calves: Number, Value per Head, and Total Value
by State and United States, January 1, 1992-93

State	Number		Value per Head		Total Value	
	1992	1993	1992	1993	1992	1993
	-- 1,000 Head --		--- Dollars ---		--- 1,000 Dollars ---	
AL	1,800	1,770	530	505	954,000	893,850
AK	8.0	7.9	615	615	4,920	4,859
AZ	900	890	595	610	535,500	542,900
AR	1,710	1,710	565	570	966,150	974,700
CA	4,500	4,500	735	760	3,307,500	3,420,000
CO	2,900	2,850	640	690	1,856,000	1,966,500
CT	73	77	725	770	52,925	59,290
DE	31	33	710	745	22,010	24,585
FL	1,940	1,950	615	605	1,193,100	1,179,750
GA	1,470	1,500	540	530	793,800	795,000
HI	200	178	435	485	87,000	86,330
ID	1,760	1,680	645	670	1,135,200	1,125,600
IL	1,980	2,000	625	645	1,237,500	1,290,000
IN	1,220	1,220	605	595	738,100	725,900
IA	4,400	4,400	620	655	2,728,000	2,882,000
KS	5,650	5,890	600	615	3,390,000	3,622,350
KY	2,580	2,600	565	560	1,457,700	1,456,000
LA	950	1,000	600	615	570,000	615,000
ME	114	116	675	680	76,950	78,880
MD	315	325	740	765	233,100	248,625
MA	70	71	725	770	50,750	54,670
MI	1,200	1,225	735	760	882,000	931,000
MN	2,800	2,850	655	695	1,834,000	1,980,750
MS	1,350	1,415	550	540	742,500	764,100
MO	4,500	4,600	575	600	2,587,500	2,760,000
MT	2,500	2,450	720	755	1,800,000	1,849,750
NE	5,800	5,900	635	670	3,683,000	3,953,000
NV	520	480	615	630	319,800	302,400
NH	46	52	730	745	33,580	38,740
NJ	70	75	845	805	59,150	60,375
NM	1,400	1,370	625	650	875,000	890,500
NY	1,560	1,560	795	820	1,240,200	1,279,200
NC	1,000	1,050	515	535	515,000	561,750
ND	1,800	1,800	690	735	1,242,000	1,323,000
OH	1,600	1,610	650	655	1,040,000	1,054,550
OK	5,400	5,400	560	565	3,024,000	3,051,000
OR	1,420	1,350	595	670	844,900	904,500
PA	1,870	1,850	765	790	1,430,550	1,461,500
RI	7.0	7.0	665	690	4,655	4,830
SC	600	630	530	555	318,000	349,650
SD	3,550	3,750	655	705	2,325,250	2,643,750
TN	2,290	2,300	530	545	1,213,700	1,253,500
TX	13,600	14,300	600	615	8,160,000	8,794,500
UT	800	850	660	695	528,000	590,750
VT	275	300	840	845	231,000	253,500
VA	1,750	1,780	580	565	1,015,000	1,005,700
WA	1,450	1,350	705	760	1,022,250	1,026,000
WV	540	520	590	565	318,600	293,800
WI	4,000	3,950	770	780	3,080,000	3,081,000
WY	1,290	1,350	695	720	896,550	972,000
US	99,559	100,892	629	649	62,656,390	65,481,884

Cattle and Calves: Number by Class and Calf Crop,
United States, July 1, 1990-92

Class	1990	1991	1992	1992 as % of 1991
	1,000 Head			Percent
Cattle and Calves	107,400	109,000	109,200	100
Cows and Heifers That Have Calved	44,000	44,400	44,400	100
Beef Cows	33,900	34,400	34,550	100
Milk Cows	10,100	10,000	9,850	99
Heifers 500 Pounds and Over	16,400	16,900	17,000	101
For Beef Replacement	5,100	5,300	5,700	108
For Milk Replacement	4,200	4,200	4,200	100
Other Heifers	7,100	7,400	7,100	96
Steers 500 Pounds and Over	14,500	15,100	15,100	100
Bulls 500 Pounds and Over	2,200	2,200	2,200	100
Calves Under 500 Pounds	30,300	30,400	30,500	100
Calf Crop	39,249	39,026	39,335	101

Calf Crop: Number and Percent of Total, by Six Month Period,
United States, 1990-92

Period	1990		1991		1992	
	Number (000)	% of Total	Number (000)	% of Total	Number (000)	% of Total
Jan 1 - Jun 30	28,700	73.1	28,700	73.5	28,800	73.2
Jul 1 - Dec 31	10,549	26.9	10,326	26.5	10,535	26.8
Total	39,249	100.0	39,026	100.0	39,335	100.0

Cattle and Calves: Balance Sheet, United States
January 1 - June 30, 1990-92

Item	:	1990	:	1991	:	1992
	:	Million Head				
January 1 Inventory	:	98.2	:	98.9	:	99.6
Calf Crop and Imports	:	29.8	:	29.9	:	29.9
Total Supply <u>1/</u>	:	128.0	:	128.7	:	129.4
Slaughter	:	17.7	:	17.0	:	17.1
Deaths and Exports	:	2.5	:	2.5	:	2.7
Total Disappearance <u>1/</u>	:	20.2	:	19.5	:	19.8
Residual <u>1/</u>	:	-0.4	:	-0.2	:	-0.5
July 1 Inventory	:	107.4	:	109.0	:	109.2

1/ Totals may not add due to rounding.

Cattle and Calves: Value per Head and Total Value,
United States, January 1, 1991-93

Class	Value per Head			Total Value			
	:	:	:	:	:	:	
	:	1991	:	1992	:	1993	
	:	:	:	:	:	:	
	:	----- Dollars -----			----- 1,000 Dollars -----		
Cattle and Calves:	:	654	:	629	:	649	
	:	64,661,865	:	62,656,390	:	65,481,884	

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 76,000 operators during the first half of January by mail, telephone, and face-to-face personal interviews. 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 100.9 million head by more than 0.6 percent, or about 605,000 head. Chances are 9 out of 10 that the difference will not exceed 1.1 percent, or about 1,110,000 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 312,000 head, ranging from 0 to 1,419,000 head. During this period the initial inventory estimate has been below the final estimate 4 times, above the final estimate 10 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

Item	Root	90%	Difference Between			Number of	
	Mean	Confidence	First and Latest			Years	
	Square	Level	Estimates <u>2/</u>				
	Error		Average	Smallest	Largest	First	First
	<u>1/</u>	Percent	Head			Above	Below
		Head				:Latest	:Latest
	- Percent -		----- 1,000 Head -----			-- Number --	
All Cattle	0.6	1.1	-312	0	-1419	10	4
All Cows	0.6	1.0	-133	9	-550	11	4
Calf Crop	0.7	1.2	-164	0	-630	12	2

1/ Based on data from January 1978 through January 1992.

2/ Based on records for the past 15 years.

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