



Cattle

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July 1 Cattle Inventory Down Slightly

All cattle and calves in the United States as of July 1, 2001, totaled 105.8 million head, slightly below the 106.3 million on July 1, 2000 and 1 percent below the 107.0 million two years ago.

All cows and heifers that have calved, at 43.0 million, were slightly below the 43.2 million on July 1, 2000 and 1 percent below the 43.3 million two years ago.

- **Beef cows**, at 33.9 million, were down slightly from July 1, 2000 and 1 percent below two years ago.
- **Milk cows**, at 9.15 million, were down 1 percent from July 1, 2000 but was unchanged from two years ago.

Other class estimates on July 1, 2001, and the changes from July 1 last year and two years ago, respectively, are as follows:

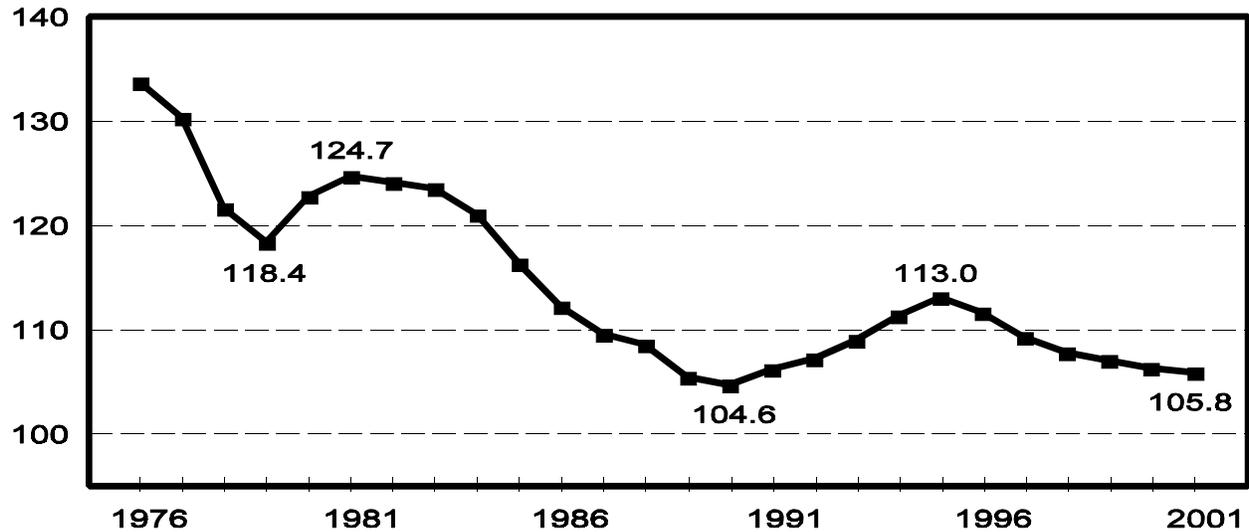
- **All heifers** 500 pounds and over, 16.4 million, down 1 percent from both years.
- **Beef replacement heifers**, 4.6 million, down 2 percent and down 4 percent.
- **Milk replacement heifers**, 3.6 million, down 3 percent from both years.
- **Other heifers**, 8.2 million, up 1 percent for both years.
- **Steers** weighing 500 pounds and over, 14.6 million, up 2 percent and up 1 percent.
- **Bulls** weighing 500 pounds and over, 2.1 million, unchanged and down 5 percent.
- **Calves under 500 pounds**, 29.7 million, down 2 percent and down 3 percent.
- **All cattle and calves on feed** for slaughter, 13.1 million, up 7 percent and up 14 percent.

Calf Crop Down 1 Percent

The 2001 calf crop is expected to be 38.4 million, down 1 percent from 2000 and 1999. Calves born during the first half of the year are estimated at 28.2 million, down 1 percent from both years.

United States Cattle Inventory July 1, 1976 - 2001

Million Head



This report was approved on July 20, 2001.

Bill Hawks

Acting Secretary of
Agriculture
Bill Hawks

Steven D. Wiyatt

Agricultural Statistics Board
Acting Chairperson
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**Cattle and Calves: Number by Class and Calf Crop,
United States, July 1, 1999-2001**

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	107,000	106,300	105,800	100
Cows and Heifers That Have Calved	43,300	43,200	43,000	100
Beef Cows	34,150	33,950	33,850	100
Milk Cows	9,150	9,250	9,150	99
Heifers 500 Pounds and Over	16,600	16,500	16,400	99
For Beef Cow Replacement	4,800	4,700	4,600	98
For Milk Cow Replacement	3,700	3,700	3,600	97
Other Heifers	8,100	8,100	8,200	101
Steers 500 Pounds and Over	14,400	14,300	14,600	102
Bulls 500 Pounds and Over	2,200	2,100	2,100	100
Calves Under 500 Pounds	30,500	30,200	29,700	98
Calf Crop	38,796	38,621	38,400	99
Cattle on Feed	11,500	12,300	13,100	107

**Calf Crop: Number and Percent of Total by Six-Month Period,
United States, 1999-2000 and Preliminary Calf Crop, 2001**

Period	1999		2000		2001	
	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	73.5	28,400	73.5	28,200	73.4
Jul 1 - Dec 31	10,296	26.5	10,221	26.5	10,200	26.6
Total	38,796	100.0	38,621	100.0	38,400	100.0

**Cattle and Calves: Balance Sheet, United States,
January 1 - June 30, 1999-2001¹**

Item	1999	2000	2001
	<i>Million Head</i>	<i>Million Head</i>	<i>Million Head</i>
January 1 Inventory	99.1	98.2	97.3
Calf Crop and Imports	29.5	29.5	29.6
Total Supply ²	128.6	127.7	126.9
Slaughter	18.6	18.9	18.1
Deaths and Exports	2.5	2.7	2.7
Total Disappearance ²	21.1	21.5	20.8
Residual ²	-0.4	0.1	-0.3
July 1 Inventory	107.0	106.3	105.8

¹ Preliminary.

² Totals may not add due to rounding.

**Cattle and Calves: Number by Class, State, and United States,
July 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>
CA	5,000	5,200	104	2,310	2,360	102
CO	3,500	3,300	94	960	930	97
IA	3,950	3,850	97	1,250	1,220	98
KS	6,950	6,900	99	1,740	1,730	99
MO	4,700	4,650	99	2,220	2,200	99
MT	3,750	3,500	93	1,630	1,570	96
NE	7,250	7,250	100	2,100	2,100	100
OK	5,500	5,400	98	2,100	2,050	98
SD	4,900	5,100	104	1,950	2,050	105
TX	14,900	15,000	101	6,100	6,000	98
WI	3,700	3,600	97	1,600	1,550	97
Oth Sts	42,200	42,050	100	19,240	19,240	100
US	106,300	105,800	100	43,200	43,000	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	785	770	98	1,525	1,590	104
CO	875	838	96	85	92	108
IA	1,035	1,010	98	215	210	98
KS	1,650	1,640	99	90	90	100
MO	2,066	2,053	99	154	147	95
MT	1,612	1,551	96	18	19	106
NE	2,025	2,027	100	75	73	97
OK	2,009	1,961	98	91	89	98
SD	1,847	1,951	106	103	99	96
TX	5,750	5,675	99	350	325	93
WI	255	260	102	1,345	1,290	96
Oth Sts	14,041	14,114	101	5,199	5,126	99
US	33,950	33,850	100	9,250	9,150	99

Calf Crop: Number by State and United States, 2000-2001

State	2000	2001 ¹	2001 as % 2000
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Percent</i>
CA	1,980	2,030	103
CO	880	840	95
IA	1,120	1,110	99
KS	1,480	1,450	98
MO	2,060	2,040	99
MT	1,620	1,550	96
NE	1,840	1,840	100
OK	1,850	1,800	97
SD	1,850	1,930	104
TX	5,100	5,100	100
WI	1,410	1,370	97
Oth Sts	17,431	17,340	99
US	38,621	38,400	99

¹ Preliminary.

Reliability of July 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. Data were collected during the first half of June from almost 40,000 small and medium sized operations. These operators were contacted by face-to-face personal interviews. About 9,500 large producers and feedlots were contacted during the first half of July by mail, telephone, and face-to-face personal interviews. Operators were asked to report inventories as of the first of the month and calf crop for the entire year of 2001.

Estimating Procedures: These cattle estimates were prepared by the Agricultural Statistics Board after reviewing National and State indications and analysis. 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 for the first six months, and subtracts estimates of slaughter, exports, and deaths for the first six months of the current year. 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 and when the January 1 cattle inventory 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 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 105.8 million head by more than 0.6 percent. Chances are 9 out of 10 that the difference will not exceed 1.1 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 274,000 head, ranging from 0 to 1,500,000 head. During this period the initial inventory estimate has been below the latest estimate 5 times, above the latest estimate 9 times, and unchanged 6 times. This does not imply that the July 1 estimate is likely to understate or overstate final inventory.

Reliability of July 1 Cattle Estimates ^{1 2}

Item	Root Mean Square Error	90 Percent Confidence Level		Difference Between First and Latest Estimates			Number of Years	
		Percent	Head	Average	Smallest	Largest	First Above Latest	First Below Latest
	<i>Percent</i>	<i>Percent</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>Number</i>	<i>Number</i>
All Cattle	0.6	1.1	1,164	274	0	1,500	9	5
All Cows	0.8	1.4	602	119	0	1,100	9	6
Calf Crop	1.7	2.9	1,114	224	23	1,236	13	7

¹ Based on data from July 1981 through July 2000.

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

The next "Cattle" report will be released at 3 p.m. ET on February 1, 2002.

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