

Cattle On Feed



**National
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Department of
Agriculture**

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Released July 24, 1992, by the Agricultural Statistics Board. Inventory estimates refer to July 1, 1992. Placement and marketing estimates refer to the month of June and the quarter of April through June.

Cattle on Feed Down 6 Percent in 13 Quarterly States

Cattle and calves on feed for slaughter market in the 13 States preparing quarterly estimates totaled 8.85 million head, down 6 percent from a year ago but 1 percent above July 1, 1990. The inventory included 5.74 million steers and steer calves, 7 percent below a year ago. This group accounts for 64.9 percent of the total inventory. Heifers and heifer calves accounted for 3.04 million head, 6 percent below a year ago.

Placements of cattle and calves on feed in the 13 States during the April-June 1992 quarter totaled 5.27 million, up 5 percent from both last year and April-June 1990. Net placements of 4.83 million for April-June were up 6 percent from last year and 4 percent above 1990.

Marketings of fed cattle during the April-June 1992 quarter totaled 5.68 million, down 2 percent from last year, and 5 percent below two years ago.

Other disappearance totaled 444,000 head compared to 464,000 in April-June 1991 and 400,000 in April-June 1990.

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Expected Marketings for July-September 1992 Down 4 Percent

Cattle feeders expect to market 5.72 million head during the July-September quarter of 1992. This would be down 4 percent from the third quarter marketings in 1991 and 1 percent below 1990.

Cattle on Feed in 7 Monthly States Down 7 Percent

Cattle on feed July 1, 1992, in the 7 monthly States totaled 7.34 million, down 7 percent from the previous year but fractionally above two years ago.

Placements in feedlots during June totaled 1.34 million, 22 percent above 1991 and 1 percent above 1990.

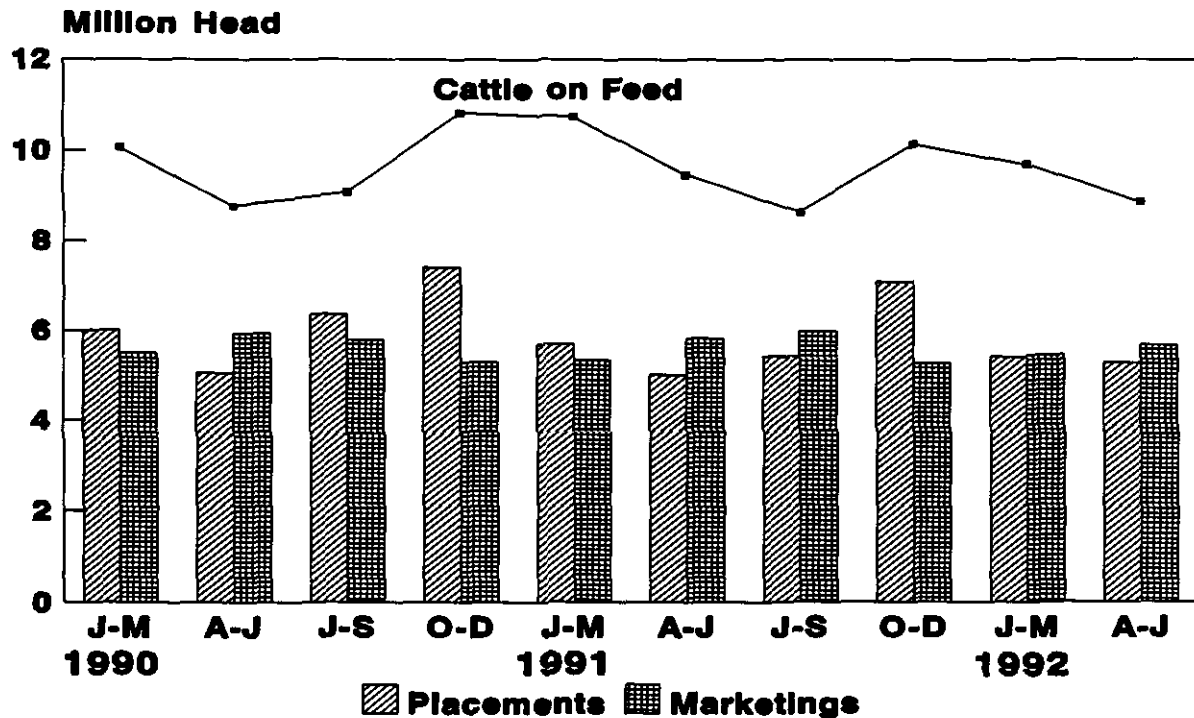
Marketings during June totaled 1.71 million, up 2 percent from a year ago but 5 percent below 1990.

Other disappearance during June was 116,000 head, 2 percent above last year and 59 percent above 1990.

April-June 1992 quarterly marketings for the 7 States, at 4.80 million, was down 4 percent from 1991 and 6 percent below 1990. Marketings for the 7 states during the April-June quarter accounted for 85 percent of the 13 state total.

Expected 7 State marketings for the July-September 1992 quarter are estimated at 4.84 million, down 4 percent from last year and 2 percent below 1990.

Cattle on Feed, Placements, Marketings by Quarters for 13 States



Cattle on Feed: Placed, Marketed, and Other Disappearance,
by Quarter and 13 State Total, 1990-92

Date	Inventory	Current Quarter		
		Placements	Marketings	Other Disappearance
1,000 Head				
Jan. 1, 1990	9,943	6,003	5,498	385
Apr. 1, 1990	10,063	5,041	5,943	400
Jul. 1, 1990	8,761	6,358	5,796	261
Oct. 1, 1990	9,062	7,401	5,289	347
Jan. 1, 1991	10,827	5,702	5,328	462
Apr. 1, 1991	10,739	5,006	5,820	464
Jul. 1, 1991	9,461	5,414	5,973	282
Oct. 1, 1991	8,620	7,086	5,262	309
Jan. 1, 1992	10,135	5,403	5,441	404
Apr. 1, 1992	9,693	5,273	5,675	444
Jul. 1, 1992	8,847			

Cattle on Feed: Number on Feed, Placements, Marketings and Other
Disappearance, 13 States, Apr 1-Jul 1, 1990-92

Item	Number			1992 as % of	
	1990	1991	1992	1990	1991
	----- 1,000 Head -----			- Percent -	
On Feed Apr 1	10,063	10,739	*9,693	96	90
Placed on Feed Apr 1 - Jun 30 <u>1/</u>	5,041	5,006	5,273	105	105
Fed Cattle Marketed Apr 1 - Jun 30 <u>1/</u>	5,943	5,820	5,675	95	98
Other Disappearance Apr 1 - Jun 30 <u>2/</u>	400	464	444	111	96
On Feed Jul 1	8,761	9,461	8,847	101	94
Kinds on Feed Jul 1					
Steers and Steer Calves	5,627	6,180	5,739	102	93
Heifers and Heifer Calves	3,092	3,238	3,038	98	94
Cows and Other	42	43	70	167	163
Number on Feed by Weight Groups Jul 1					
Steers and Steer Calves					
Less Than 500 Pounds	225	168	180	80	107
500-699 Pounds	478	459	530	111	115
700-899 Pounds	1,483	1,474	1,570	106	107
900-1,099 Pounds	2,476	2,738	2,325	94	85
1,100 Pounds and Over	965	1,341	1,134	118	85
Heifers and Heifer Calves					
Less Than 500 Pounds	39	51	53	136	104
500-699 Pounds	392	387	470	120	121
700-899 Pounds	1,295	1,186	1,161	90	98
900-1099 Pounds	1,251	1,392	1,173	94	84
1100 Pounds and Over	115	222	181	157	82
Marketings Jul - Sep <u>3/</u>	5,796	5,973	5,720	99	96

1/ Includes cattle placed on feed after beginning of quarter and marketed before end of quarter.

2/ Includes death losses, movement from feedlots to pastures and shipments to other feedlots for further feeding.

3/ Total marketings including those placed on feed after Jul 1 and marketed before Sep 30 for previous years, expected total marketings including an allowance for those placed on feed after Jul 1, and marketed before Sep 30 for current year.

* Revised.

Cattle on Feed: Number on Feed by Quarter, State, and 13 State Total,
Jul 1, 1991, Apr 1, and Jul 1, 1992 1/

State	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992 <u>1/</u>	
			Number	as % of 1991
	----- 1,000 Head -----		Percent	
AZ	147	203	167	114
CA	330	*315	340	103
CO	860	910	820	95
ID	260	260	260	100
IL	285	295	255	89
IA	860	840	720	84
KS	1,540	1,810	1,640	106
MN	290	320	285	98
NE	1,920	1,960	1,650	86
OK	320	355	305	95
SD	245	290	240	98
TX	2,220	1,970	2,000	90
WA	184	165	165	90
13 Sts	9,461	*9,693	8,847	94

1/ Cattle and calves on feed are animals for slaughter market being fed a ration of grain or other concentrates and are expected to produce a carcass that will grade select or better.

Cattle on Feed: Number Placed on Feed, by Quarter, State
and 13 State Total, Jan-Mar 1992 and Apr-Jun 1991-1992 1/

State	Apr - Jun 1991	Jan - Mar 1992	Apr - Jun 1992	
			Number	as % of 1991
	----- 1,000 Head -----		Percent	
AZ	61	63	98	161
CA	200	*175	250	125
CO	480	*600	455	95
ID	163	160	183	112
IL	85	95	110	129
IA	250	345	285	114
KS	885	1,135	990	112
MN	100	110	100	100
NE	1,030	1,250	1,080	105
OK	180	225	185	103
SD	70	145	100	143
TX	1,395	995	1,330	95
WA	107	105	107	100
13 Sts	5,006	*5,403	5,273	105

1/ Includes cattle placed on feed after beginning of quarter and marketed before end of quarter. * Revised.

Cattle on Feed: Fed Cattle Marketed, Other Disappearance, by Quarter, State, and 13 State Total, Jan-Mar 1992 and Apr-Jun 1991-92

State	Fed Cattle Marketed <u>1/</u>				Other Disappearance <u>2/</u>			
	Apr-Jun: 1991	Jan-Mar: 1992	Apr-Jun: 1992	1992 as % of 1991	Apr-Jun: 1991	Jan-Mar: 1992	Apr-Jun: 1992	1992 as % of 1991
	---- 1,000 Head	-----	Percent	----	1,000 Head	---	Percent	----
AZ	97	66	111	114	18	11	23	128
CA	180	180	165	92	70	60	60	86
CO	520	*590	520	100	30	30	25	83
ID	150	155	160	107	28	25	23	82
IL	135	130	140	104	10	10	10	100
IA	430	355	375	87	30	30	30	100
KS	1,060	1,095	1,120	106	45	50	40	89
MN	140	90	125	89	10	10	10	100
NE	1,340	1,190	1,250	93	140	90	140	100
OK	195	205	230	118	5	10	5	100
SD	120	135	120	100	25	10	30	120
TX	1,355	1,140	1,255	93	50	65	45	90
WA	98	110	104	106	3	3	3	100
13 Sts	5,820	*5,441	5,675	98	464	404	444	96

1/ Includes cattle placed on feed after beginning of quarter and marketed before end of quarter. 2/ Includes death losses, movement from feedlots to pastures, and shipments to other feedlots for further feeding. * Revised.

Cattle on Feed: Expected Total Marketings by State and 13 State Total, Jul 1-Sep 30, 1991-92

State	Total Marketings Jul-Sep, 1991 <u>1/</u>		Expected Total Marketings Jul-Sep, 1992 <u>2/</u>	
	Number	:	Number	as % of 1991
	----- 1,000 Head	-----	-----	Percent
AZ	73	:	85	116
CA	180	:	150	83
CO	565	:	580	103
ID	175	:	175	100
IL	125	:	130	104
IA	470	:	410	87
KS	1,150	:	1,160	101
MN	150	:	135	90
NE	1,310	:	1,200	92
OK	225	:	210	93
SD	130	:	135	104
TX	1,290	:	1,250	97
WA	130	:	100	77
13 Sts	5,973	:	5,720	96

1/ Total marketings of cattle including those placed on feed after Jul 1 and marketed before Sep 30. 2/ Expected total marketings including an allowance for those placed on feed after Jul 1 and marketed before Sep 30.

Cattle on Feed: Number on Feed by Class, by Quarter, State,
and 13 State Total, Jul 1, 1991, Apr 1, and Jul 1, 1992

	: Steers & Steer Calves			: Heifers & Heifer Calves:			Cows & Others		
State	: Jul 1, 1991	: Apr 1, 1992	: Jul 1, 1992	: Jul 1, 1991	: Apr 1, 1992	: Jul 1, 1992	: Jul 1, 1991	: Apr 1, 1992	: Jul 1, 1992
	1,000 Head								
AZ	140	194	164	7	9	3	0	0	0
CA	270	*249	280	59	*64	57	1	2	3
CO	495	560	495	360	335	295	5	15	30
ID	173	181	175	81	72	80	6	7	5
IL	164	150	115	121	145	140	0	0	0
IA	565	510	440	290	325	275	5	5	5
KS	1,030	1,210	1,130	510	600	510	0	0	0
MN	210	235	198	79	83	85	1	2	2
NE	1,150	1,190	960	750	750	670	20	20	20
OK	202	236	208	117	119	97	1	0	0
SD	154	171	134	89	117	102	2	2	4
TX	1,509	1,338	1,340	709	630	659	2	2	1
WA	118	102	100	66	63	65	0	0	0
13 Sts	6,180	*6,326	5,739	3,238	*3,312	3,038	43	55	70

* Revised.

Cattle on Feed: Steers and Steer Calves on Feed by Weight Group,
Quarter, State, and 13 State Total, Jul 1, 1991, Apr 1, and Jul 1, 1992

	Under 500 Pounds			500-699 Pounds			700-899 Pounds		
State	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992
	1,000 Head								
AZ	24	24	24	32	45	41	35	66	47
CA	49	*48	65	33	*96	70	51	*49	60
CO	2	10	10	35	55	15	115	320	235
ID	0	0	1	13	20	7	38	65	41
IL	8	10	4	19	26	20	38	50	31
IA	15	20	10	36	90	45	125	190	120
KS	10	10	6	51	96	95	197	427	255
MN	15	22	14	23	50	22	53	72	48
NE	10	10	10	40	80	40	240	390	210
OK	5	3	6	22	24	19	57	99	62
SD	0	4	1	3	27	6	32	63	41
TX	30	27	27	151	187	147	468	522	389
WA	0	1	2	1	1	3	25	28	31
13 Sts	168	*189	180	459	*797	530	1,474	*2,341	1,570
	900-1,099 Pounds			1,100 Pounds and Over					
	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992			
	1,000 Head								
AZ	39	52	48	10	7	4			
CA	100	*49	60	37	7	25			
CO	209	130	180	134	45	55			
ID	85	68	80	37	28	46			
IL	64	43	44	35	21	16			
IA	239	140	160	150	70	105			
KS	484	531	487	288	146	287			
MN	76	58	65	43	33	49			
NE	565	490	420	295	220	280			
OK	93	95	85	25	15	36			
SD	85	53	52	34	24	34			
TX	649	468	603	211	134	174			
WA	50	48	41	42	24	23			
13 Sts	2,738	*2,225	2,325	1,341	774	1,134			

* Revised.

Cattle on Feed: Heifers and Heifer Calves on Feed by Weight Group,
Quarter, State, and 13 State Total, Jul 1, 1991, Apr 1, and Jul 1, 1992

State	Under 500 Pounds			500-699 Pounds			700-899 Pounds		
	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992	Jul 1, 1991	Apr 1, 1992	Jul 1, 1992
1,000 Head									
AZ	1	1	0	1	3	1	3	3	1
CA	2	3	5	15	15	16	11	15	14
CO	1	2	2	25	53	20	146	220	175
ID	0	1	1	11	15	9	31	30	23
IL	1	6	2	17	27	48	50	58	45
IA	6	20	5	30	100	40	103	120	115
KS	5	8	3	42	89	72	204	295	182
MN	2	6	3	9	26	16	26	28	25
NE	10	10	10	50	110	60	265	290	220
OK	2	2	2	17	20	15	51	67	40
SD	0	2	0	5	29	6	30	48	32
TX	21	19	20	163	132	165	248	321	257
WA	0	0	0	2	1	2	18	29	32
13 Sts	51	80	53	387	620	470	1,186	1,524	1,161
900-1,099 Pounds : 1,100 Pounds and Over									
1,000 Head									
AZ	2	2	1	0	0	0	0	0	0
CA	22	*21	16	9	10	6	6	6	6
CO	176	55	83	12	5	15	15	15	15
ID	34	20	38	5	6	9	9	9	9
IL	48	46	42	5	8	3	3	3	3
IA	126	70	100	25	15	15	15	15	15
KS	234	183	225	25	25	28	28	28	28
MN	35	18	32	7	5	9	9	9	9
NE	355	240	330	70	100	50	50	50	50
OK	43	28	35	4	2	5	5	5	5
SD	44	30	56	10	8	8	8	8	8
TX	234	145	191	43	13	26	26	26	26
WA	39	26	24	7	7	7	7	7	7
13 Sts	1,392	*884	1,173	222	204	181	181	181	181

* Revised.

Cattle on Feed: Number on Feed, Placements, Marketings, and Other
Disappearance, 7 States Apr 1 - Jul 1, 1990, 1991 and 1992

Item	Number			1992 as % of	
	1990	1991	1992	1990	1991
	----- 1,000 Head -----			- Percent -	
On Feed Apr 1	8,483	8,941	8,008	94	90
Placed on Feed Apr 1 - Jun 30 <u>1/</u>	4,284	4,301	4,488	105	104
Fed Cattle Marketed Apr 1 - Jun 30 <u>1/</u>	5,109	4,982	4,796	94	96
Other Disappearance Apr 1 - Jun 30 <u>2/</u>	348	383	363	104	95
On Feed Jul 1	7,310	7,877	7,337	100	93
Kinds on Feed Jul 1					
Steers and Steer Calves	4,735	5,159	4,809	102	93
Heifers and Heifer Calves	2,542	2,685	2,469	97	92
Cows and Other	33	33	59	179	179
Number on Feed by Weight Groups Jul 1					
Steers and Steer Calves					
Less Than 500 Pounds	207	140	152	73	109
500-699 Pounds	416	378	453	109	120
700-899 Pounds	1,263	1,231	1,316	104	107
900-1,099 Pounds	2,104	2,285	1,958	93	86
1,100 Pounds and Over	745	1,125	930	125	83
Heifers and Heifer Calves					
Less Than 500 Pounds	33	46	45	136	98
500-699 Pounds	339	326	374	110	115
700-899 Pounds	1,070	980	964	90	98
900-1099 Pounds	1,026	1,149	946	92	82
1100 Pounds and Over	74	184	140	189	76
Marketings Jul - Sep <u>3/</u>	4,911	5,038	4,835	98	96

- 1/ Includes cattle placed on feed after beginning of quarter and marketed before end of quarter.
- 2/ Includes death losses, movement from feedlots to pastures and shipments to other feedlots for further feeding.
- 3/ Total marketings including those placed on feed after Jul 1 and marketed before Sep 30 for previous years, expected total marketings including an allowance for those placed on feed after Jul 1, and marketed before Sep 30 for current year.

Cattle on Feed: Number on Feed, Placements, Marketings, and Other
Disappearance, 7 States, Jun 1 - Jul 1, 1990-92

Item	Number			1992 as % of	
	1990	1991	1992	1990	1991
	----- 1,000 Head -----			- Percent -	
On Feed Jun 1 <u>1</u> /	7,867	8,570	7,826	99	91
Placed on Feed During Jun	1,325	1,102	1,339	101	122
Fed Cattle Marketed During Jun	1,809	1,681	1,712	95	102
Other Disappearance During Jun <u>2</u> /	73	114	116	159	102
On Feed Jul 1 <u>1</u> /	7,310	7,877	7,337	100	93

- 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/ Includes death losses, movement from feedlots to pastures and shipments to other feedlots for further feeding.

Cattle on Feed: Number on Feed, Placements, Marketings, and Other Disappearance, By State, and 7 State Total, Jan 1 - Jul 1, 1991-92

State:	Number on Feed			Placed			Marketed			Other Disappear.		
	1991	1992	:92/91:	1991	1992	:92/91:	1991	1992	:92/91:	1991	1992	:92/91:
	1,000 Head	Pct		1,000 Head	Pct		1,000 Head	Pct		1,000 Head	Pct	
	Jan 1			During Jan			During Jan			During Jan		
AZ	232	217	94	26	20	77	27	20	74	3	4	133
CA	420	380	90	85	75	88	70	65	93	15	10	67
CO	980	930	95	160	160	100	215	195	91	10	10	100
IA	1,030	880	85	155	130	84	110	125	114	15	10	67
KS	1,750	1,820	104	400	415	104	390	405	104	10	20	200
NE	2,250	1,990	88	510	460	90	430	470	109	50	30	60
TX	2,330	2,180	94	385	305	79	390	380	97	15	15	100
7 Sts:	8,992	8,397	93	1,721	1,565	91	1,632	1,660	102	118	99	84
	Feb 1			During Feb			During Feb			During Feb		
AZ	228	213	93	20	17	85	26	20	77	3	5	167
CA	420	380	90	80	55	69	65	55	85	15	20	133
CO	915	885	97	180	210	117	190	205	108	10	10	100
IA	1,060	875	83	105	115	110	95	100	105	10	10	100
KS	1,750	1,810	103	315	350	111	315	330	105	10	20	200
NE	2,280	1,950	86	440	450	102	350	370	106	50	30	60
TX	2,310	2,090	90	315	295	94	390	340	87	15	25	167
7 Sts:	8,963	8,203	92	1,455	1,492	103	1,431	1,420	99	113	120	106
	Mar 1			During Mar			During Mar			During Mar		
AZ	219	205	94	18	26	144	34	26	76	2	2	100
CA	420	360	86	60	45	75	65	60	92	35	30	86
CO	895	880	98	230	230	100	180	190	106	15	10	67
IA	1,060	880	83	125	100	80	105	130	124	10	10	100
KS	1,740	1,810	104	360	370	103	325	360	111	15	10	67
NE	2,320	2,000	86	440	340	77	350	350	100	40	30	75
TX	2,220	2,020	91	470	395	84	440	420	95	20	25	125
7 Sts:	8,874	8,155	92	1,703	1,506	88	1,499	1,536	102	137	117	85
	Apr 1			During Apr			During Apr			During Apr		
AZ	201	203	101	17	30	176	30	30	100	3	5	167
CA	380	315	83	65	70	108	60	55	92	25	30	120
CO	930	910	98	175	165	94	180	180	100	10	15	150
IA	1,070	840	79	115	95	83	125	115	92	10	10	100
KS	1,760	1,810	103	300	310	103	330	330	100	20	20	100
NE	2,370	1,960	83	380	380	100	430	380	88	40	30	75
TX	2,230	1,970	88	375	375	100	495	400	81	20	15	75
7 Sts:	8,941	8,008	90	1,427	1,425	100	1,650	1,490	90	128	125	98

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Cattle on Feed: Number on Feed, Placements, Marketings, and Other Disappearance, By State, and 7 State Total, Jan 1 - Jul 1, 1991-92

State:	Number on Feed			Placed			Marketed			Other Disappear.		
	1991	1992	:92/91:	1991	1992	:92/91:	1991	1992	:92/91:	1991	1992	:92/91:
	1,000 Head	Pct		1,000 Head	Pct		1,000 Head	Pct		1,000 Head	Pct	
	May 1			During May			During May			During May		
AZ	185	198	107	27	34	126	36	44	122	11	2	18
CA	360	300	83	80	100	125	55	55	100	30	15	50
CO	915	880	96	190	180	95	170	165	97	10	5	50
IA	1,050	810	77	80	85	106	125	115	92	10	10	100
KS	1,710	1,770	104	360	380	106	345	380	110	15	10	67
NE	2,280	1,930	85	390	370	95	470	410	87	50	60	120
TX	2,090	1,930	92	645	575	89	450	425	94	15	20	133
7 Sts:	8,590	7,818	91	1,772	1,724	97	1,651	1,594	97	141	122	87
	Jun 1			During Jun			During Jun			During Jun		
AZ	165	186	113	17	34	200	31	37	119	4	16	400
CA	355	330	93	55	80	145	65	55	85	15	15	100
CO	925	890	96	115	110	96	170	175	103	10	5	50
IA	995	770	77	55	105	191	180	145	81	10	10	100
KS	1,710	1,760	103	225	300	133	385	410	106	10	10	100
NE	2,150	1,830	85	260	330	127	440	460	105	50	50	100
TX	2,270	2,060	91	375	380	101	410	430	105	15	10	67
7 Sts:	8,570	7,826	91	1,102	1,339	122	1,681	1,712	102	114	116	102
	Jul 1											
AZ	147	167	114									
CA	330	340	103									
CO	860	820	95									
IA	860	720	84									
KS	1,540	1,640	106									
NE	1,920	1,650	86									
TX	2,220	2,000	90									
7 Sts:	7,877	7,337	93									

Reliability of July 1 Cattle on Feed Estimates

Terminology: Cattle on feed are animals being fed a ration of grain, silage, hay and/or protein supplement for slaughter market that are expected to produce a carcass that will grade select or better. It excludes cattle being "backgrounded only" for later sale as feeders or later placement in another feedlot.

Placements are cattle put into a feedlot, fed a ration which will produce a carcass that will grade select or better, and are intended for the slaughter market.

Marketings are cattle shipped out of feedlots to a slaughter market.

Other disappearance includes death losses, movement from feedlots to pastures, and shipments to other feedlots for further feeding.

Survey Procedures: A random sample of producers in the 13 major cattle on feed states were surveyed to provide data for these estimates. Survey procedures ensured that all cattle on feed 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 16,900 operators during the first half of July by mail, telephone, and face-to-face personal interviews. Regardless of when operators responded, they were asked to report inventories as of July 1.

Estimation Procedures: These cattle on feed estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by each State office. Regional and State survey data were reviewed for reasonableness with each other and with estimates from the previous month and/or quarter when setting the current estimates.

Revision Policy: Revisions to previous estimates are made to improve month to month and/or quarter to quarter relationships. Estimates for the previous month are subject to revision in the 7 monthly States when each current monthly estimate is made. Estimates for the previous quarter are subject to revision in all 13 States each quarter when current quarterly estimates are made. In January, all monthly and quarterly estimates are reviewed and subject to revisions. The reviews are primarily based on slaughter data, state check-off or brand data, and any other data that may have been received after the original estimate was made. 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 and estimates become final.

Reliability: Since all cattle on feed 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 the 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 on feed July 1 inventory estimates over the past 10 years is 2.0 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 8.85 million head by more than 2.0 percent, or about 177,000 head. Chances are 9 out of 10 that the difference will not exceed 3.6 percent, or about 318,000 head (the 90 percent confidence level). The table below also shows a 10 year record of the range of differences between first and latest estimates for selected items. Using estimates of all cattle on feed as an example, changes between the first inventory estimate and the latest estimate during the past 10 years have averaged 123,000 head, ranging from 0 to 315,000 head. During this period, the initial inventory estimate has been below the latest estimate 8 times and has not been above the final estimate. This does not imply that the July 1 estimate is likely to understate or overstate final inventory.

Reliability of July 1 Cattle on Feed Estimates 1/

Item	: Root : Mean : Square : Error	: 90% : Confidence : Level	: Average	: Difference Between			: Number of	
				: First and Final : Estimates	: Smallest	: Largest	: First : Above	: First : Below
	: Percent	: Head	: Head	: Head	: Head	: Head	: Final	: Final
Inventory	2.0	3.6	123	0	315	0	8	
Placements	1.0	1.9	22	8	116	2	8	
Marketings Expected	0.7	1.2	3	5	-70	4	6	
Marketings <u>2/</u>	2.6	4.7	-33	-29	-311	6	4	

1/ Based on July 1 estimates for the past 10 years.

2/ Expected marketings for the July-September period compared to actual marketings for the quarter.

The next "Cattle on Feed" report will be released at 3:00 p.m. ET. on August 21, 1992.

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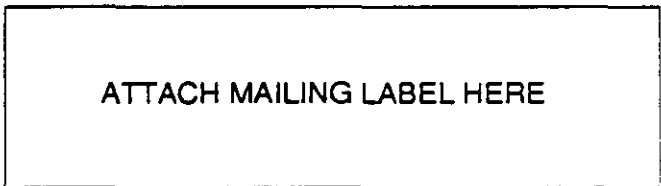
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