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United States Cattle on Feed Down 2 Percent

Cattle and calves on feed for the slaughter market in the United States for feedlots with capacity of 1,000 or more head totaled 11.2 million head on July 1, 2023. The inventory was 2 percent below July 1, 2022. The inventory included 6.73 million steers and steer calves, down 3 percent from the previous year. This group accounted for 60 percent of the total inventory. Heifers and heifer calves accounted for 4.47 million head, unchanged from 2022.

Placements in feedlots during June totaled 1.68 million head, 3 percent above 2022. Net placements were 1.61 million head. During June, placements of cattle and calves weighing less than 600 pounds were 390,000 head, 600-699 pounds were 275,000 head, 700-799 pounds were 380,000 head, 800-899 pounds were 368,000 head, 900-999 pounds were 185,000 head, and 1,000 pounds and greater were 80,000 head.

Marketings of fed cattle during June totaled 1.96 million head, 5 percent below 2022.

Other disappearance totaled 69,000 head during June, unchanged from 2022.

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: July 1, 2022 and 2023

Item	2022	2023	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed June 1	11,901	11,552	97	
Placed on feed during June	1,634	1,678	103	
Fed cattle marketed during June	2,061	1,957	95	
Other disappearance during June	69	69	100	
On feed July 1	11,405	11,204	98	

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: June 1, 2022 and 2023

Item	2022	2023	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed May 1	12,022	11,617	97	
Placed on feed during May	1,869	1,955	105	
Fed cattle marketed during May	1,914	1,946	102	
Other disappearance during May	76	74	97	
On feed June 1	11,901	11,552	97	

Cattle on Feed by Class on 1,000+ Capacity Feedlots – United States: July 1, 2022 and 2023

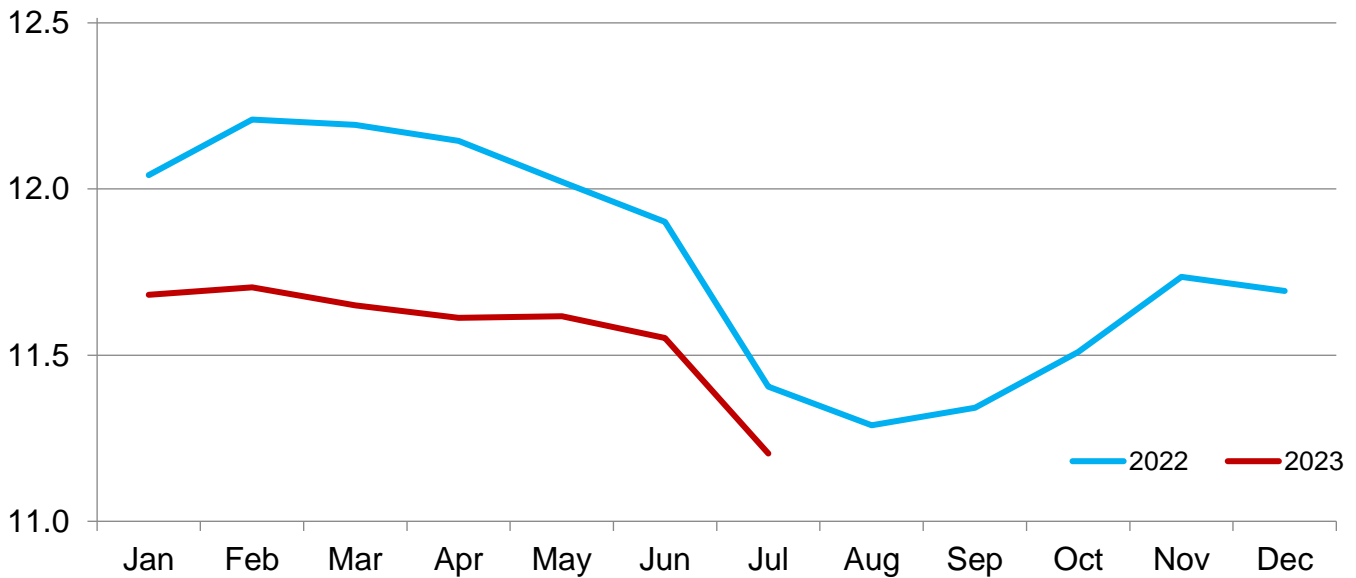
Item	2022	2023	Percent of	
			previous year	inventory
			(percent)	(percent)
Class on feed July 1	(1,000 head)	(1,000 head)	(percent)	(percent)
Steers and steer calves	6,935	6,734	97	60
Heifers and heifer calves	4,470	4,470	100	40

Cattle on Feed Inventory on 1,000+ Capacity Feedlots by Month – States and United States: 2022 and 2023

State	July 1, 2022	June 1, 2023	July 1, 2023		
			Inventory	Percent of previous year	Percent of previous month
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Arizona	280	252	249	89	99
California	560	545	540	96	99
Colorado	1,060	1,000	990	93	99
Idaho	280	305	295	105	97
Iowa	610	630	630	103	100
Kansas	2,350	2,470	2,400	102	97
Minnesota	90	100	100	111	100
Nebraska	2,370	2,450	2,330	98	95
Oklahoma	270	250	250	93	100
South Dakota	170	200	180	106	90
Texas	2,860	2,810	2,720	95	97
Washington	235	245	240	102	98
Other States	270	295	280	104	95
United States	11,405	11,552	11,204	98	97

Cattle on Feed Inventory on 1,000+ Capacity Feedlots – United States

Million head

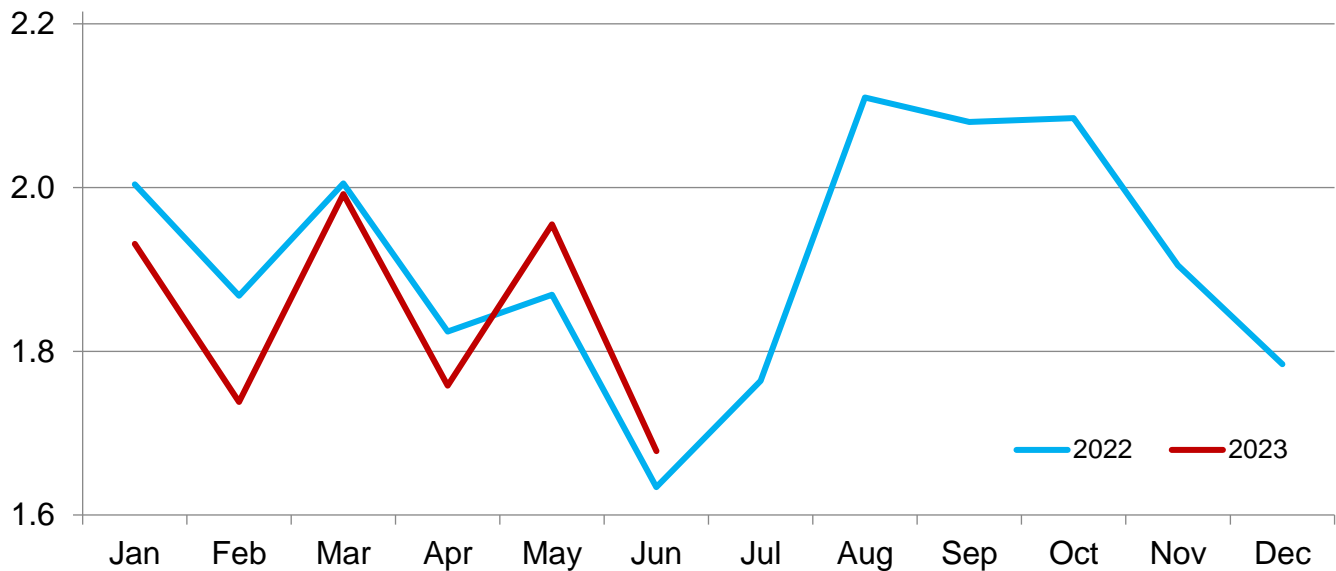


Cattle Placed on Feed on 1,000+ Capacity Feedlots by Month – States and United States: 2022 and 2023

State	During June 2022 (1,000 head)	During May 2023 (1,000 head)	During June 2023		
			Placements (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	21	23	25	119	109
California	59	74	67	114	91
Colorado	140	175	135	96	77
Idaho	29	39	33	114	85
Iowa	58	74	60	103	81
Kansas	380	495	400	105	81
Minnesota	10	11	13	130	118
Nebraska	405	450	425	105	94
Oklahoma	41	57	57	139	100
South Dakota	22	26	22	100	85
Texas	390	455	370	95	81
Washington	35	33	36	103	109
Other States	44	43	35	80	81
United States	1,634	1,955	1,678	103	86

Cattle Placed on 1,000+ Capacity Feedlots – United States

Million head



Cattle Placed on Feed by Weight Group on 1,000+ Capacity Feedlots and Month – States and United States: 2022 and 2023

State	During June 2022							
	Under 600 lbs	600-699 lbs	700-799 lbs	800-899 lbs	900+ lbs ¹	900-999 lbs	1,000+ lbs	Total
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	30	25	30	30	25	(D)	(D)	140
Kansas	55	70	120	90	45	(D)	(D)	380
Nebraska	30	50	85	125	115	(D)	(D)	405
Texas	160	80	80	50	20	(D)	(D)	390
Other States ...	90	45	55	74	55	(D)	(D)	319
United States ..	365	270	370	369	(X)	175	85	1,634
State	During May 2023							
	Under 600 lbs	600-699 lbs	700-799 lbs	800-899 lbs	900+ lbs ¹	900-999 lbs	1,000+ lbs	Total
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	30	30	40	45	30	(D)	(D)	175
Kansas	55	80	155	130	75	(D)	(D)	495
Nebraska	35	40	105	155	115	(D)	(D)	450
Texas	150	90	110	80	25	(D)	(D)	455
Other States ...	110	55	70	95	50	(D)	(D)	380
United States ..	380	295	480	505	(X)	215	80	1,955
State	During June 2023							
	Under 600 lbs	600-699 lbs	700-799 lbs	800-899 lbs	900+ lbs ¹	900-999 lbs	1,000+ lbs	Total
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Colorado	30	25	30	30	20	(D)	(D)	135
Kansas	65	75	120	90	50	(D)	(D)	400
Nebraska	35	50	95	125	120	(D)	(D)	425
Texas	155	75	75	45	20	(D)	(D)	370
Other States ...	105	50	60	78	55	(D)	(D)	348
United States ..	390	275	380	368	(X)	185	80	1,678

(D) Withheld to avoid disclosing data for individual operations.

(X) Not applicable.

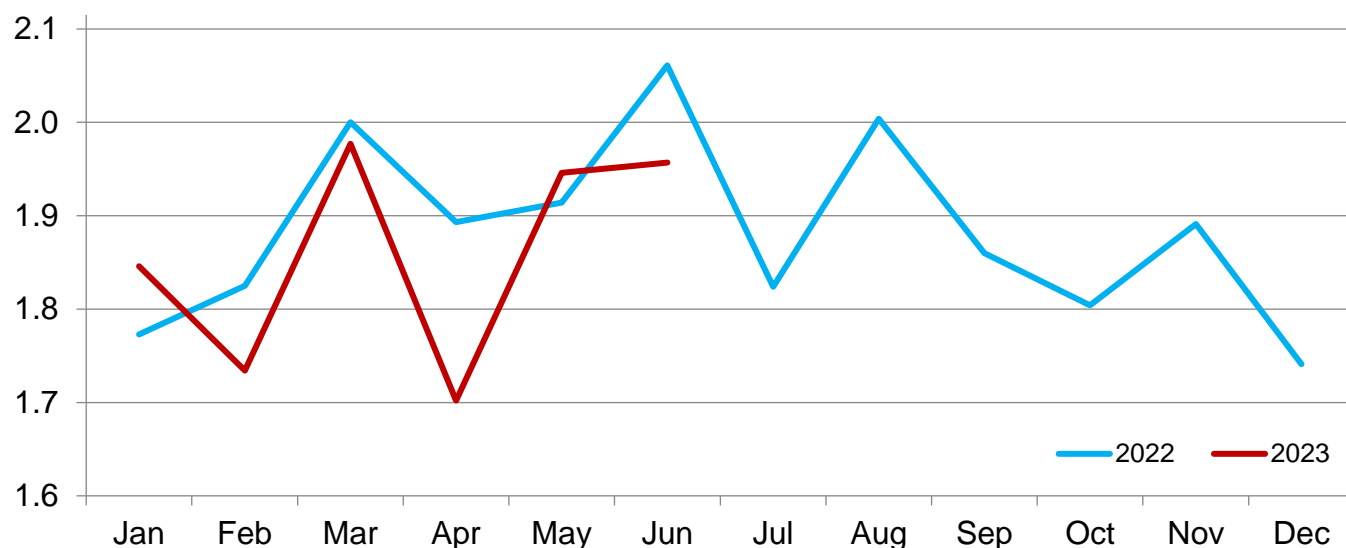
¹ The 900 pounds and greater weight group is the sum of 900-999 pounds and 1,000 pounds and greater weight groups.

Cattle Marketed on 1,000+ Capacity Feedlots by Month – States and United States: 2022 and 2023

State	During June 2022	During May 2023	During June 2023		
			Marketings	Percent of previous year	Percent of previous month
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Arizona	26	27	27	104	100
California	63	56	64	102	114
Colorado	165	145	140	85	97
Idaho	38	48	42	111	88
Iowa	66	72	58	88	81
Kansas	505	455	460	91	101
Minnesota	19	10	12	63	120
Nebraska	545	520	525	96	101
Oklahoma	45	56	56	124	100
South Dakota	43	40	40	93	100
Texas	460	425	445	97	105
Washington	34	42	40	118	95
Other States	52	50	48	92	96
United States	2,061	1,946	1,957	95	101

Cattle Marketed on 1,000+ Capacity Feedlots – United States

Million head



Cattle Other Disappearance on 1,000+ Capacity Feedlots by Month – States and United States: 2022 and 2023

State	During June 2022 (1,000 head)	During May 2023 (1,000 head)	During June 2023		
			Other disappearance (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	1	1	1	100	100
California	6	8	8	133	100
Colorado	5	10	5	100	50
Idaho	1	1	1	100	100
Iowa	2	2	2	100	100
Kansas	15	10	10	67	100
Minnesota	1	1	1	100	100
Nebraska	20	20	20	100	100
Oklahoma	1	1	1	100	100
South Dakota	4	6	2	50	33
Texas	10	10	15	150	150
Washington	1	1	1	100	100
Other States	2	3	2	100	67
United States	69	74	69	100	93

**Cattle on Feed by Class on 1,000+ Capacity Feedlots by Quarter – States and United States:
2022 and 2023**

State	Steers and steer calves			Heifers and heifer calves		
	Jul 1, 2022	Apr 1, 2023	Jul 1, 2023	Jul 1, 2022	Apr 1, 2023	Jul 1, 2023
	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)
Arizona	275	247	239	5	10	10
California	465	440	450	95	85	90
Colorado	570	545	550	490	435	440
Idaho	150	175	160	130	145	135
Iowa	465	475	480	145	145	150
Kansas	1,230	1,330	1,270	1,120	1,100	1,130
Minnesota	75	80	85	15	15	15
Nebraska	1,480	1,650	1,450	890	880	880
Oklahoma	145	145	135	125	115	115
South Dakota	105	135	110	65	85	70
Texas	1,680	1,560	1,500	1,180	1,250	1,220
Washington	120	140	125	115	115	115
Other States	175	195	180	95	115	100
United States	6,935	7,117	6,734	4,470	4,495	4,470

Terms and Definitions of Cattle on Feed Estimates

Cattle on feed are steers and heifers 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 steers and heifers 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 steers and heifers shipped out of feedlots to a slaughter market.

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

Statistical Methodology

Survey Procedures: During January and July all known feedlots in the United States with capacity of 1,000 or more head are surveyed to provide data for cattle on feed estimates. During the other months, all known feedlots from 16 States are surveyed. The 16 States account for approximately 98 percent of the cattle on feed in feedlots with capacity of 1,000 or more head. Individual State estimates are published monthly for 12 of the 16 States. Data collected from the remaining 4 States are used to establish the "Other States" estimates. These 4 States include Illinois, New Mexico, Oregon, and Wyoming. The "Other States" category represents all cattle on feed with a capacity of 1,000 or more head for the rest of the United States.

Estimating Procedures: These cattle on feed estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by Regional Field Offices. Regional and State survey data were reviewed for reasonableness with each other and with estimates from the previous month when establishing the current estimates.

Revision Policy: Revisions to previous estimates are made to improve month to month relationships. Estimates for the previous month are subject to revision in all States each month when current estimates are made. In February, all monthly estimates for the previous year, and the number of feedlots and annual marketings from two years ago 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 *Census of Agriculture* are available. No revisions will be made after that date and estimates become final.

Reliability: Since all 1,000+ capacity cattle on feed operators in every State are not included in the monthly survey, 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 on the following page. 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 inventory estimates over the past 24 months is 0.3 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 11.2 million head by more than 0.3 percent. Chances are 9 out of 10 that the difference will not exceed 0.5 percent.

The table on the following page shows a 24-month record of the range of differences between first and latest estimates for selected items. Using estimates of number on feed as an example, changes between the first estimate and the latest estimate during the past 24 months have averaged 22,000 head, ranging from 0 to 65,000 head. During this period the initial estimate has been above the latest estimate 0 times and has been below the latest estimate 15 times. This does not imply that the initial estimate is likely to understate or overstate final inventory.

Reliability of Monthly Cattle on Feed Estimates

[Based on data for the past 24 months]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Months	
						Below latest	Above latest
	(percent)	(percent)	(1,000)	(1,000)	(1,000)	(number)	(number)
On feed	0.3	0.5	22	0	65	15	0
Placements	0.5	0.9	7	0	23	9	10
Marketings	0.1	0.1	1	0	4	3	8

Information Contacts

Listed below are the commodity specialists in the Livestock Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov.

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Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Kim Dapra – Milk Production and Milk Cows	(512) 501-3266
Donnie Fike – Dairy Products	(202) 690-3347
Anthony Fischer – Hogs and Pigs	(202) 720-3106
Suzanne Richards – Sheep and Goats	(202) 720-4448

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For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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