



Released July 23, 2021, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

United States Cattle on Feed Down 1 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 11.3 million head on July 1, 2021. The inventory was 1 percent below July 1, 2020. The inventory included 6.98 million steers and steer calves, down 1 percent from the previous year. This group accounted for 62 percent of the total inventory. Heifers and heifer calves accounted for 4.32 million head, down 2 percent from 2020.

Placements in feedlots during June totaled 1.67 million head, 7 percent below 2020. Net placements were 1.61 million head. During June, placements of cattle and calves weighing less than 600 pounds were 345,000 head, 600-699 pounds were 260,000 head, 700-799 pounds were 375,000 head, 800-899 pounds were 405,000 head, 900-999 pounds were 195,000 head, and 1,000 pounds and greater were 90,000 head.

Marketings of fed cattle during June totaled 2.02 million head, 3 percent above 2020.

Other disappearance totaled 57,000 head during June, 8 percent below 2020.

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: July 1, 2020 and 2021

Item	2020	2021	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed June 1	11,671	11,699	100	
Placed on feed during June	1,798	1,670	93	
Fed cattle marketed during June	1,969	2,022	103	
Other disappearance during June	62	57	92	
On feed July 1	11,438	11,290	99	

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: June 1, 2020 and 2021

Item	2020	2021	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed May 1	11,200	11,725	105	
Placed on feed during May	2,052	1,911	93	
Fed cattle marketed during May	1,515	1,870	123	
Other disappearance during May	66	67	102	
On feed June 1	11,671	11,699	100	

Cattle on Feed by Class on 1,000+ Capacity Feedlots – United States: July 1, 2020 and 2021

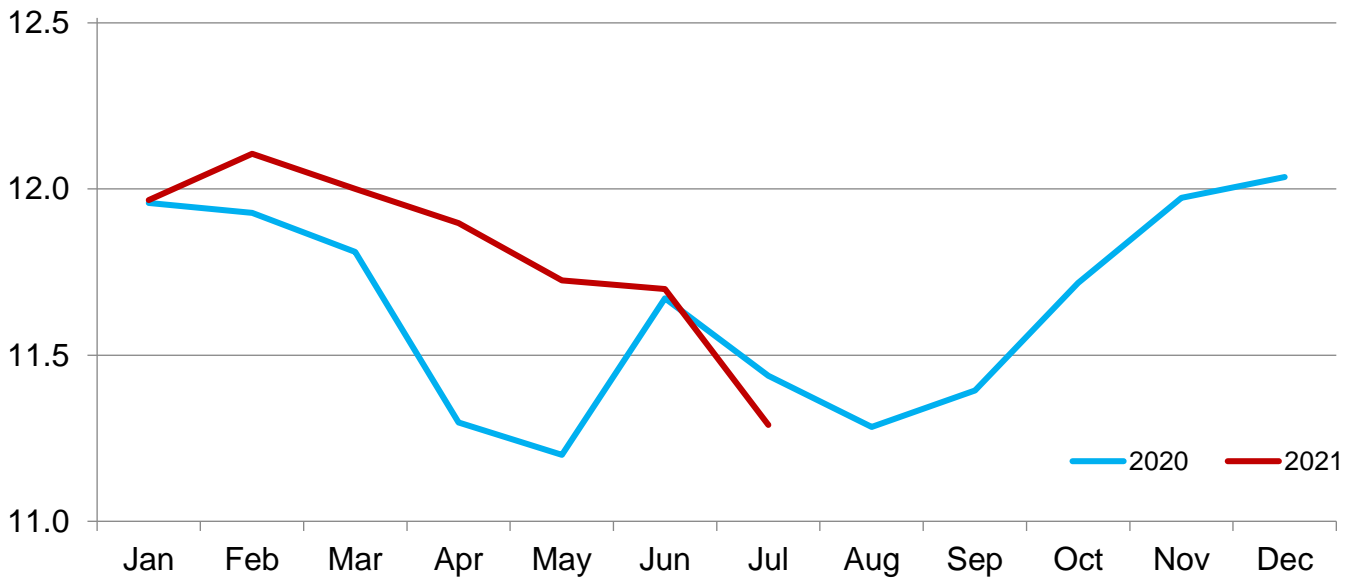
Item	2020	2021	Percent of	
			previous year	inventory
			(percent)	(percent)
Class on feed July 1	(1,000 head)	(1,000 head)	(percent)	(percent)
Steers and steer calves	7,033	6,975	99	62
Heifers and heifer calves	4,405	4,315	98	38

Cattle on Feed Inventory on 1,000+ Capacity Feedlots by Month – States and United States: 2020 and 2021

State	July 1, 2020	June 1, 2021	July 1, 2021		
			Inventory	Percent of previous year	Percent of previous month
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Arizona	273	279	275	101	99
California	545	545	540	99	99
Colorado	1,020	1,080	1,060	104	98
Idaho	280	290	280	100	97
Iowa	630	620	600	95	97
Kansas	2,390	2,520	2,450	103	97
Minnesota	125	105	100	80	95
Nebraska	2,260	2,440	2,290	101	94
Oklahoma	315	275	275	87	100
South Dakota	185	220	200	108	91
Texas	2,920	2,850	2,770	95	97
Washington	225	200	190	84	95
Other States	270	275	260	96	95
United States	11,438	11,699	11,290	99	97

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

Million head

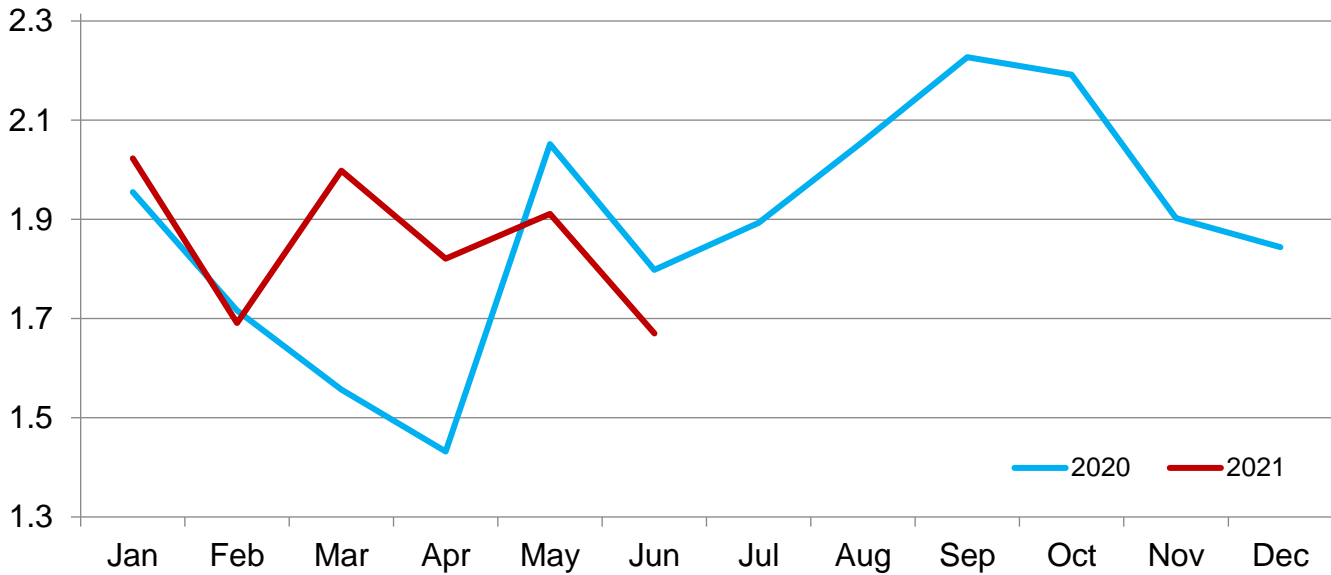


Cattle Placed on Feed on 1,000+ Capacity Feedlots by Month – States and United States: 2020 and 2021

State	During June 2020 (1,000 head)	During May 2021 (1,000 head)	During June 2021		
			Placements (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	22	26	22	100	85
California	60	70	62	103	89
Colorado	175	190	130	74	68
Idaho	38	31	36	95	116
Iowa	58	67	44	76	66
Kansas	425	505	430	101	85
Minnesota	14	11	12	86	109
Nebraska	420	390	415	99	106
Oklahoma	55	57	54	98	95
South Dakota	23	31	20	87	65
Texas	440	470	380	86	81
Washington	26	26	24	92	92
Other States	42	37	41	98	111
United States	1,798	1,911	1,670	93	87

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: 2020 and 2021

State	During June 2020							
	Under 600 lbs (1,000 head)	600-699 lbs (1,000 head)	700-799 lbs (1,000 head)	800-899 lbs (1,000 head)	900+ lbs ¹ (1,000 head)	900-999 lbs (1,000 head)	1,000+ lbs (1,000 head)	Total (1,000 head)
Colorado	45	35	30	35	30	(D)	(D)	175
Kansas	60	80	110	115	60	(D)	(D)	425
Nebraska	40	55	75	130	120	(D)	(D)	420
Texas	185	90	90	55	20	(D)	(D)	440
Other States ...	100	50	55	78	55	(D)	(D)	338
United States ..	430	310	360	413	(X)	200	85	1,798
State	During May 2021							
	Under 600 lbs (1,000 head)	600-699 lbs (1,000 head)	700-799 lbs (1,000 head)	800-899 lbs (1,000 head)	900+ lbs ¹ (1,000 head)	900-999 lbs (1,000 head)	1,000+ lbs (1,000 head)	Total (1,000 head)
Colorado	30	25	45	50	40	(D)	(D)	190
Kansas	55	70	150	145	85	(D)	(D)	505
Nebraska	30	30	85	130	115	(D)	(D)	390
Texas	135	85	120	90	40	(D)	(D)	470
Other States ...	105	45	70	86	50	(D)	(D)	356
United States ..	355	255	470	501	(X)	235	95	1,911
State	During June 2021							
	Under 600 lbs (1,000 head)	600-699 lbs (1,000 head)	700-799 lbs (1,000 head)	800-899 lbs (1,000 head)	900+ lbs ¹ (1,000 head)	900-999 lbs (1,000 head)	1,000+ lbs (1,000 head)	Total (1,000 head)
Colorado	30	25	25	30	20	(D)	(D)	130
Kansas	55	70	125	115	65	(D)	(D)	430
Nebraska	30	50	85	130	120	(D)	(D)	415
Texas	145	70	85	55	25	(D)	(D)	380
Other States ...	85	45	55	75	55	(D)	(D)	315
United States ..	345	260	375	405	(X)	195	90	1,670

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

(X) Not applicable.

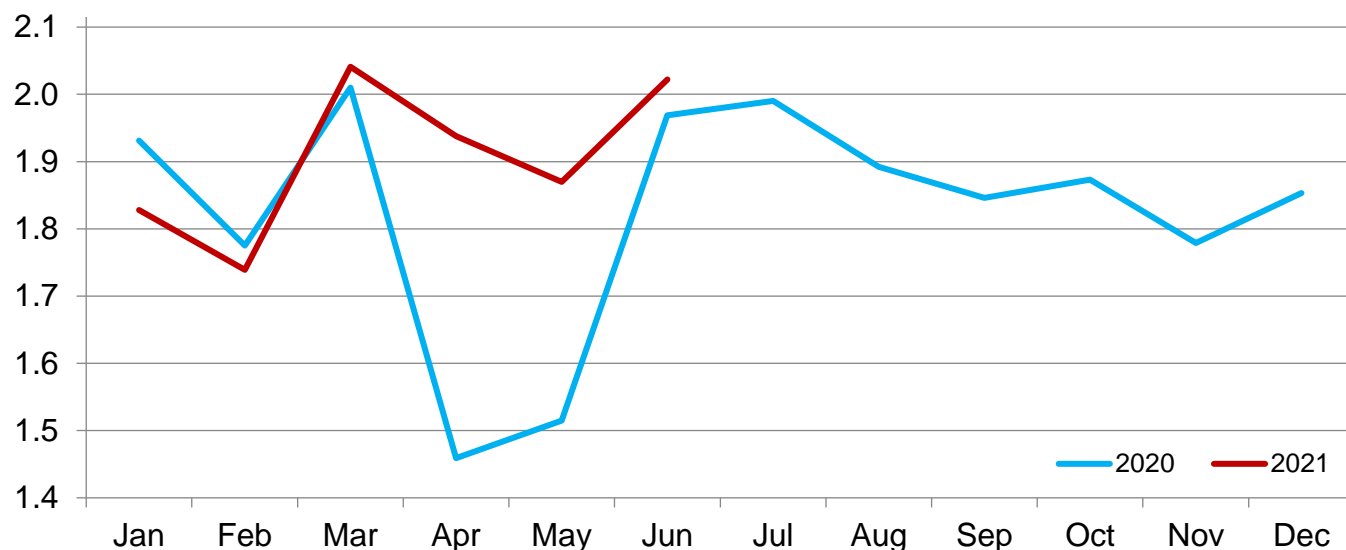
¹ The 900 pounds and greater weight group is the sum of 900-999 pounds and 1,000 pounds and greater weight groups.

Cattle Marketed on 1,000+ Capacity Feedlots by Month – States and United States: 2020 and 2021

State	During June 2020 (1,000 head)	During May 2021 (1,000 head)	During June 2021		
			Marketings (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	19	21	25	132	119
California	53	63	60	113	95
Colorado	160	140	145	91	104
Idaho	37	35	44	119	126
Iowa	66	74	62	94	84
Kansas	455	445	490	108	110
Minnesota	18	15	16	89	107
Nebraska	555	465	555	100	119
Oklahoma	54	56	53	98	95
South Dakota	32	42	36	113	86
Texas	440	430	450	102	105
Washington	30	25	32	107	128
Other States	50	59	54	108	92
United States	1,969	1,870	2,022	103	108

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: 2020 and 2021

State	During June 2020 (1,000 head)	During May 2021 (1,000 head)	During June 2021		
			Other disappearance (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	1	1	1	100	100
California	7	7	7	100	100
Colorado	5	10	5	100	50
Idaho	1	1	2	200	200
Iowa	2	3	2	100	67
Kansas	10	10	10	100	100
Minnesota	1	1	1	100	100
Nebraska	15	15	10	67	67
Oklahoma	1	1	1	100	100
South Dakota	6	4	4	67	100
Texas	10	10	10	100	100
Washington	1	1	2	200	200
Other States	2	3	2	100	67
United States	62	67	57	92	85

**Cattle on Feed by Class on 1,000+ Capacity Feedlots by Quarter – States and United States:
2020 and 2021**

State	Steers and steer calves			Heifers and heifer calves		
	Jul 1, 2020	Apr 1, 2021	Jul 1, 2021	Jul 1, 2020	Apr 1, 2021	Jul 1, 2021
	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)
Arizona	268	267	270	5	5	5
California	465	465	455	80	90	85
Colorado	560	610	595	460	450	465
Idaho	170	155	155	110	135	125
Iowa	465	485	470	165	145	130
Kansas	1,280	1,360	1,300	1,110	1,120	1,150
Minnesota	105	95	85	20	20	15
Nebraska	1,380	1,590	1,440	880	990	850
Oklahoma	160	180	155	155	120	120
South Dakota	115	150	125	70	90	75
Texas	1,750	1,740	1,650	1,170	1,130	1,120
Washington	135	115	105	90	90	85
Other States	180	195	170	90	105	90
United States	7,033	7,407	6,975	4,405	4,490	4,315

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 0.0 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 11.3 million head by more than 0.0 percent. Chances are 9 out of 10 that the difference will not exceed 0.1 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 2,000 head, ranging from 0 to 15,000 head. During this period the initial estimate has been above the latest estimate 2 times and has been below the latest estimate 3 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	0.0	0.1	2	0	15	3	2
Placements	0.3	0.4	3	0	15	8	2
Marketings	0.2	0.4	1	0	15	4	2

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.

Travis Averill, Chief, Livestock Branch	(202) 692-0069
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Sherry Bertramsen – Livestock Slaughter	(202) 690-8632
Ryan Cowen – Cattle, Cattle on Feed	(202) 720-3040
Anthony Fischer – Hogs and Pigs	(202) 720-3106
Logan Hartley-Sanguinett – Sheep and Goats	(202) 690-3236
Mike Miller – Milk Production and Milk Cows	(202) 720-3278
Suzanne Richards – Dairy Products	(202) 720-4448

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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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