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United States Cattle on Feed Up 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 12.1 million head on April 1, 2022. The inventory was 2 percent above April 1, 2021. This is the highest April 1 inventory since the series began in 1996. The inventory included 7.54 million steers and steer calves, up 2 percent from the previous year. This group accounted for 62 percent of the total inventory. Heifers and heifer calves accounted for 4.57 million head, up 2 percent from 2021.

Placements in feedlots during March totaled 1.99 million head, slightly below 2021. Net placements were 1.94 million head. During March, placements of cattle and calves weighing less than 600 pounds were 375,000 head, 600-699 pounds were 330,000 head, 700-799 pounds were 530,000 head, 800-899 pounds were 515,000 head, 900-999 pounds were 180,000 head, and 1,000 pounds and greater were 60,000 head.

Marketings of fed cattle during March totaled 2.00 million head, 2 percent below 2021.

Other disappearance totaled 53,000 head during March, 12 percent below 2021.

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: April 1, 2021 and 2022

Item	2021	2022	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed March 1	12,000	12,168	101	
Placed on feed during March	1,998	1,990	100	
Fed cattle marketed during March	2,041	2,000	98	
Other disappearance during March	60	53	88	
On feed April 1	11,897	12,105	102	

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: March 1, 2021 and 2022

Item	2021	2022	Percent of previous year	
	(1,000 head)	(1,000 head)	(percent)	
On feed February 1	12,106	12,199	101	
Placed on feed during February	1,691	1,853	110	
Fed cattle marketed during February	1,739	1,825	105	
Other disappearance during February	58	59	102	
On feed March 1	12,000	12,168	101	

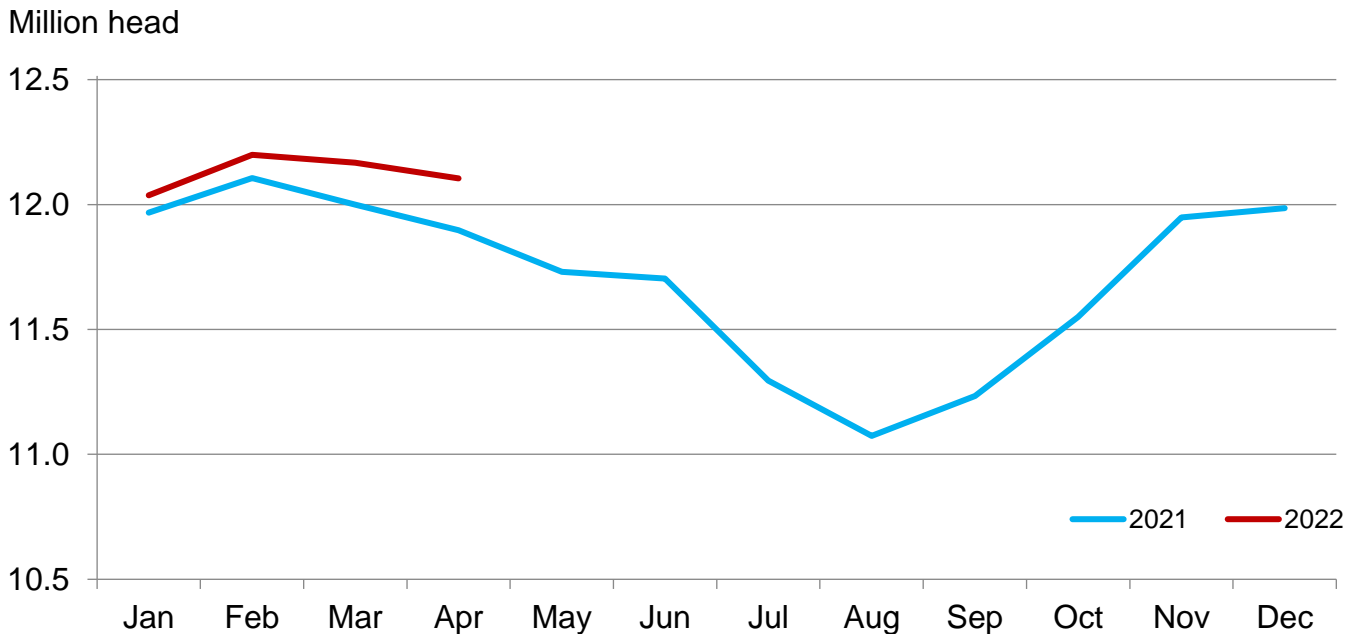
Cattle on Feed by Class on 1,000+ Capacity Feedlots – United States: April 1, 2021 and 2022

Item	2021	2022	Percent of	
			previous year	inventory
			(percent)	(percent)
Class on feed April 1	(1,000 head)	(1,000 head)	(percent)	(percent)
Steers and steer calves	7,407	7,540	102	62
Heifers and heifer calves	4,490	4,565	102	38

Cattle on Feed Inventory on 1,000+ Capacity Feedlots by Month – States and United States: 2021 and 2022

State	April 1, 2021	March 1, 2022	April 1, 2022		
			Inventory	Percent of previous year	Percent of previous month
	(1,000 head)	(1,000 head)	(1,000 head)	(percent)	(percent)
Arizona	272	283	285	105	101
California	555	560	565	102	101
Colorado	1,060	1,120	1,100	104	98
Idaho	290	310	305	105	98
Iowa	630	610	600	95	98
Kansas	2,480	2,510	2,510	101	100
Minnesota	115	100	100	87	100
Nebraska	2,580	2,690	2,660	103	99
Oklahoma	300	300	290	97	97
South Dakota	240	235	230	96	98
Texas	2,870	2,940	2,950	103	100
Washington	205	205	205	100	100
Other States	300	305	305	102	100
United States	11,897	12,168	12,105	102	99

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

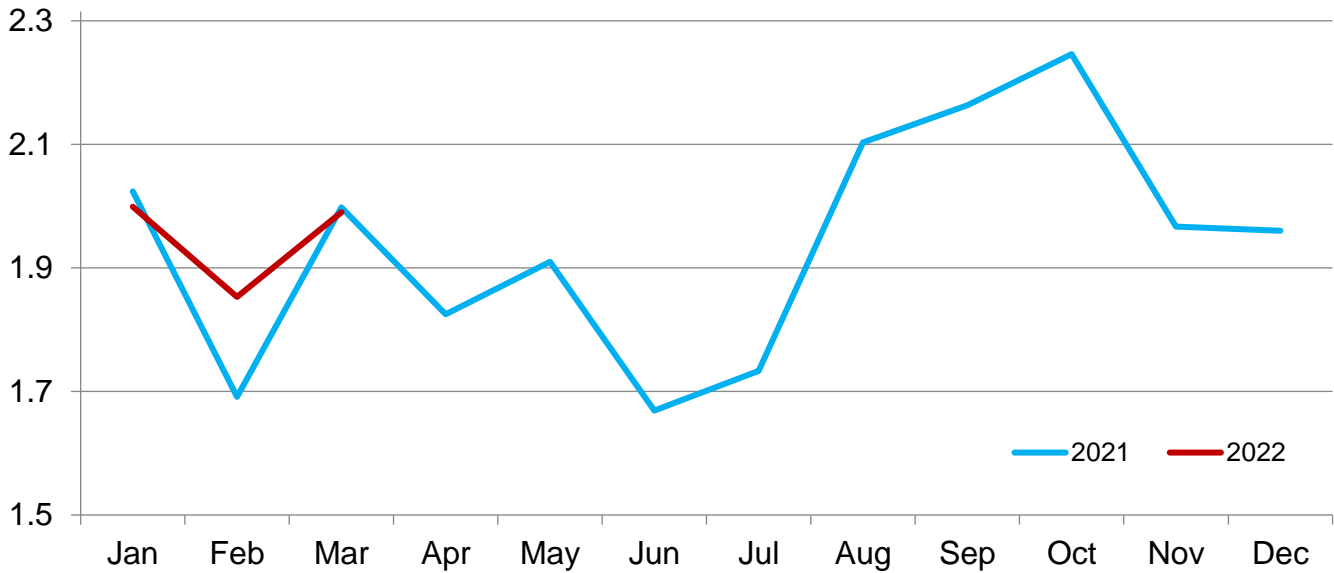


Cattle Placed on Feed on 1,000+ Capacity Feedlots by Month – States and United States: 2021 and 2022

State	During March 2021 (1,000 head)	During February 2022 (1,000 head)	During March 2022		
			Placements (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	30	30	31	103	103
California	63	61	69	110	113
Colorado	180	175	180	100	103
Idaho	35	42	37	106	88
Iowa	112	106	100	89	94
Kansas	490	430	490	100	114
Minnesota	16	15	15	94	100
Nebraska	440	495	470	107	95
Oklahoma	55	35	45	82	129
South Dakota	39	39	35	90	90
Texas	465	350	435	94	124
Washington	19	30	32	168	107
Other States	54	45	51	94	113
United States	1,998	1,853	1,990	100	107

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: 2021 and 2022

State	During March 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	35	30	45	45	25	(D)	(D)	180
Kansas	45	75	160	150	60	(D)	(D)	490
Nebraska	30	60	115	145	90	(D)	(D)	440
Texas	170	100	95	80	20	(D)	(D)	465
Other States ...	125	60	95	103	40	(D)	(D)	423
United States ..	405	325	510	523	(X)	175	60	1,998
State	During February 2022							
	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	35	45	45	20	(D)	(D)	175
Kansas	45	75	140	125	45	(D)	(D)	430
Nebraska	35	70	150	160	80	(D)	(D)	495
Texas	140	75	75	50	10	(D)	(D)	350
Other States ...	110	70	95	93	35	(D)	(D)	403
United States ..	360	325	505	473	(X)	135	55	1,853
State	During March 2022							
	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	35	30	45	45	25	(D)	(D)	180
Kansas	45	75	160	150	60	(D)	(D)	490
Nebraska	30	65	130	150	95	(D)	(D)	470
Texas	150	100	95	70	20	(D)	(D)	435
Other States ...	115	60	100	100	40	(D)	(D)	415
United States ..	375	330	530	515	(X)	180	60	1,990

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

(X) Not applicable.

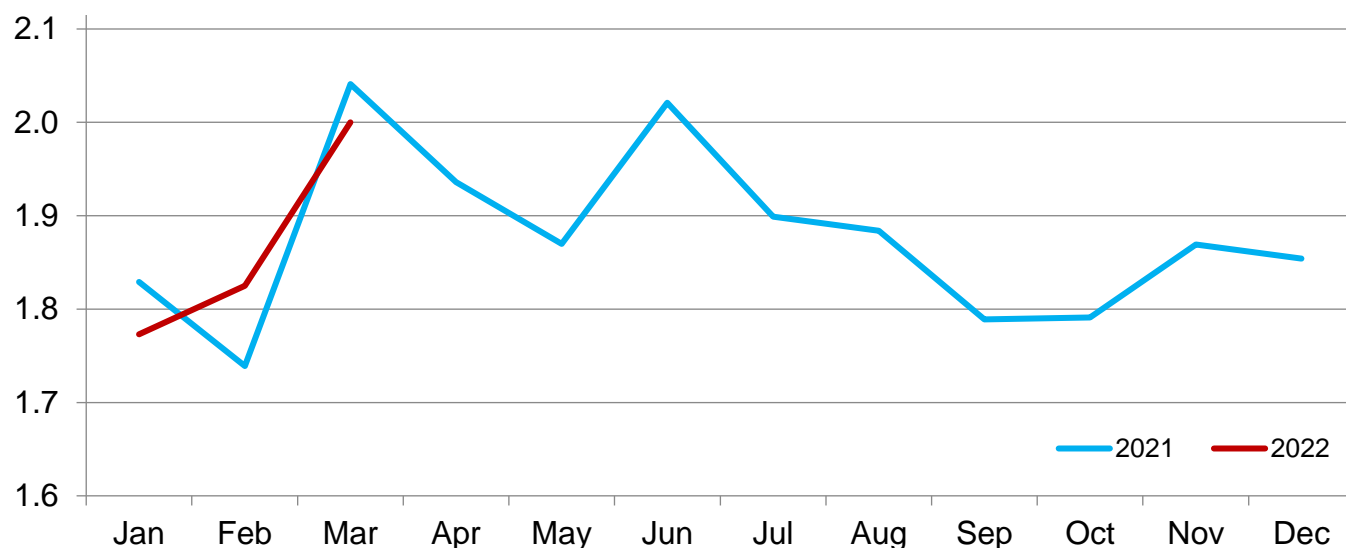
¹ The 900 pounds and greater weight group is the sum of 900-999 pounds and 1,000 pounds and greater weight groups.

Cattle Marketed on 1,000+ Capacity Feedlots by Month – States and United States: 2021 and 2022

State	During March 2021 (1,000 head)	During February 2022 (1,000 head)	During March 2022		
			Marketings (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	27	25	28	104	112
California	66	54	58	88	107
Colorado	215	190	195	91	103
Idaho	34	36	41	121	114
Iowa	109	103	108	99	105
Kansas	470	450	480	102	107
Minnesota	15	14	14	93	100
Nebraska	455	455	490	108	108
Oklahoma	69	44	54	78	123
South Dakota	41	37	37	90	100
Texas	455	335	415	91	124
Washington	38	34	31	82	91
Other States	47	48	49	104	102
United States	2,041	1,825	2,000	98	110

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: 2021 and 2022

State	During March 2021 (1,000 head)	During February 2022 (1,000 head)	During March 2022		
			Other disappearance (1,000 head)	Percent of previous year (percent)	Percent of previous month (percent)
Arizona	1	1	1	100	100
California	7	7	6	86	86
Colorado	5	5	5	100	100
Idaho	1	1	1	100	100
Iowa	3	3	2	67	67
Kansas	10	10	10	100	100
Minnesota	1	1	1	100	100
Nebraska	15	10	10	67	100
Oklahoma	1	1	1	100	100
South Dakota	3	2	3	100	150
Texas	10	15	10	100	67
Washington	1	1	1	100	100
Other States	2	2	2	100	100
United States	60	59	53	88	90

**Cattle on Feed by Class on 1,000+ Capacity Feedlots by Quarter – States and United States:
2021 and 2022**

State	Steers and steer calves			Heifers and heifer calves		
	Apr 1, 2021	Jan 1, 2022	Apr 1, 2022	Apr 1, 2021	Jan 1, 2022	Apr 1, 2022
	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)	(1,000 Head)
Arizona	267	267	280	5	5	5
California	465	470	470	90	85	95
Colorado	610	635	655	450	495	445
Idaho	155	160	170	135	150	135
Iowa	485	450	450	145	150	150
Kansas	1,360	1,340	1,370	1,120	1,150	1,140
Minnesota	95	85	85	20	15	15
Nebraska	1,590	1,590	1,680	990	1,010	980
Oklahoma	180	165	160	120	145	130
South Dakota	150	135	145	90	95	85
Texas	1,740	1,760	1,770	1,130	1,160	1,180
Washington	115	110	110	90	100	95
Other States	195	195	195	105	115	110
United States	7,407	7,362	7,540	4,490	4,675	4,565

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 12.1 million head by more than 0.0 percent. Chances are 9 out of 10 that the difference will not exceed 0.0 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 1,000 head, ranging from 0 to 6,000 head. During this period the initial estimate has been above the latest estimate 0 times and has been below the latest estimate 5 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	0.0	1	0	6	5	0
Placements	0.2	0.4	3	0	15	8	7
Marketings	0.2	0.4	2	0	15	5	7

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
Anthony Fischer – Hogs and Pigs	(202) 720-3106
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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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