



Released February 22, 2019, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

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 11.7 million head on January 1, 2019. The inventory was 2 percent above January 1, 2018. The inventory included 7.28 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 4.41 million head, up 6 percent from 2018.

Placements in feedlots during December totaled 1.77 million head, 2 percent below 2018. Net placements were 1.69 million head. During December, placements of cattle and calves weighing less than 600 pounds were 445,000 head, 600-699 pounds were 460,000 head, 700-799 pounds were 402,000 head, 800-899 pounds were 285,000 head, 900-999 pounds were 90,000 head, and 1,000 pounds and greater were 85,000 head.

Marketings of fed cattle during December totaled 1.74 million head, 1 percent below 2017.

Other disappearance totaled 75,000 head during December, 1 percent above 2017.

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: January 1, 2018 and 2019

| Item | Number | | Percent of previous year |
|---|--------------|--------------|--------------------------|
| | 2018 | 2019 | |
| | (1,000 head) | (1,000 head) | (percent) |
| On feed December 1 | 11,516 | 11,739 | 102 |
| Placed on feed during December | 1,799 | 1,767 | 98 |
| Fed cattle marketed during December | 1,752 | 1,741 | 99 |
| Other disappearance during December | 74 | 75 | 101 |
| On feed January 1 | 11,489 | 11,690 | 102 |

Cattle on Feed Inventory, Placements, Marketings, and Other Disappearance on 1,000+ Capacity Feedlots – United States: December 1, 2017 and 2018

| Item | Number | | Percent of previous year |
|---|--------------|--------------|--------------------------|
| | 2017 | 2018 | |
| | (1,000 head) | (1,000 head) | (percent) |
| On feed November 1 | 11,332 | 11,692 | 103 |
| Placed on feed during November | 2,099 | 1,996 | 95 |
| Fed cattle marketed during November | 1,844 | 1,869 | 101 |
| Other disappearance during November | 71 | 80 | 113 |
| On feed December 1 | 11,516 | 11,739 | 102 |

Cattle on Feed by Class on 1,000+ Capacity Feedlots – United States: January 1, 2018 and 2019

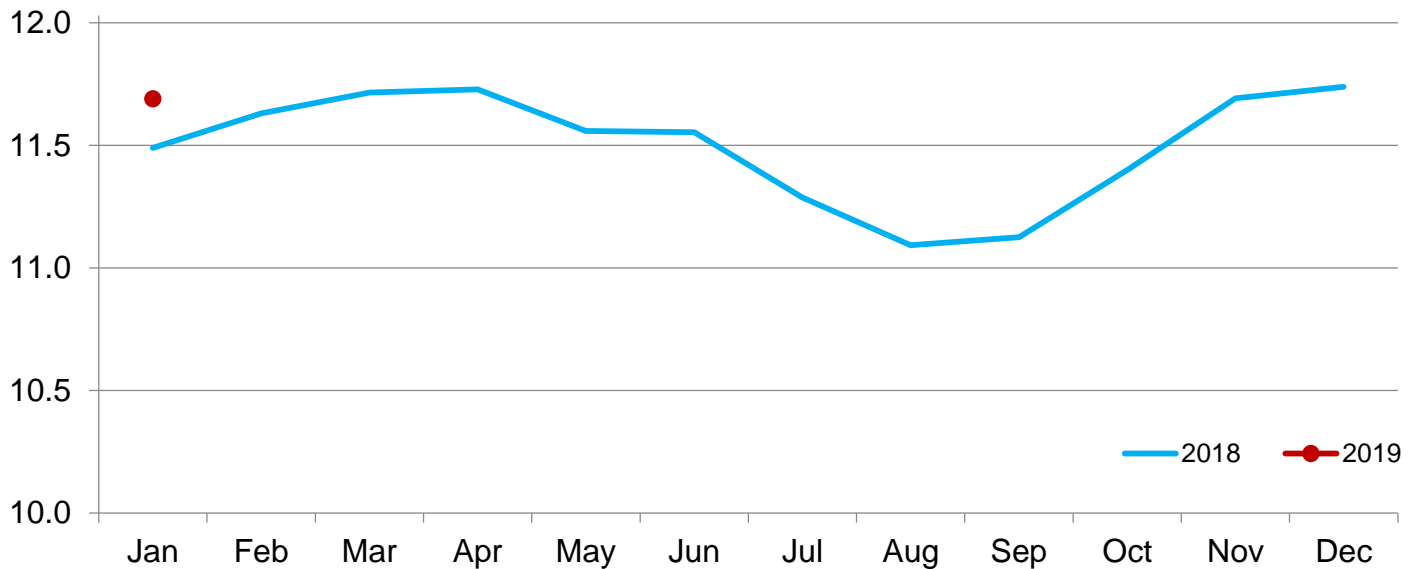
| Item | Number | | Percent of | |
|---------------------------------|--------------|--------------|---------------|-----------|
| | 2018 | 2019 | previous year | inventory |
| | (1,000 Head) | (1,000 Head) | (percent) | (percent) |
| Class on feed January 1 | | | | |
| Steers and steer calves | 7,335 | 7,280 | 99 | 62 |
| Heifers and heifer calves | 4,154 | 4,410 | 106 | 38 |

Cattle on Feed Inventory on 1,000+ Capacity Feedlots by Month – States and United States: 2018 and 2019

| State | January 1, 2018 | December 1, 2018 | January 1, 2019 | | |
|---------------------|-----------------|------------------|-----------------|--------------------------|---------------------------|
| | | | Number | Percent of previous year | Percent of previous month |
| | (1,000 head) | (1,000 head) | (1,000 head) | (percent) | (percent) |
| Arizona | 269 | 289 | 295 | 110 | 102 |
| California | 490 | 535 | 535 | 109 | 100 |
| Colorado | 970 | 1,010 | 1,010 | 104 | 100 |
| Idaho | 255 | 285 | 280 | 110 | 98 |
| Iowa | 700 | 700 | 690 | 99 | 99 |
| Kansas | 2,290 | 2,360 | 2,330 | 102 | 99 |
| Minnesota | 160 | 160 | 155 | 97 | 97 |
| Nebraska | 2,610 | 2,600 | 2,560 | 98 | 98 |
| Oklahoma | 315 | 325 | 315 | 100 | 97 |
| South Dakota | 250 | 240 | 245 | 98 | 102 |
| Texas | 2,640 | 2,680 | 2,730 | 103 | 102 |
| Washington | 210 | 235 | 225 | 107 | 96 |
| Other States | 330 | 320 | 320 | 97 | 100 |
| United States | 11,489 | 11,739 | 11,690 | 102 | 100 |

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

Million head

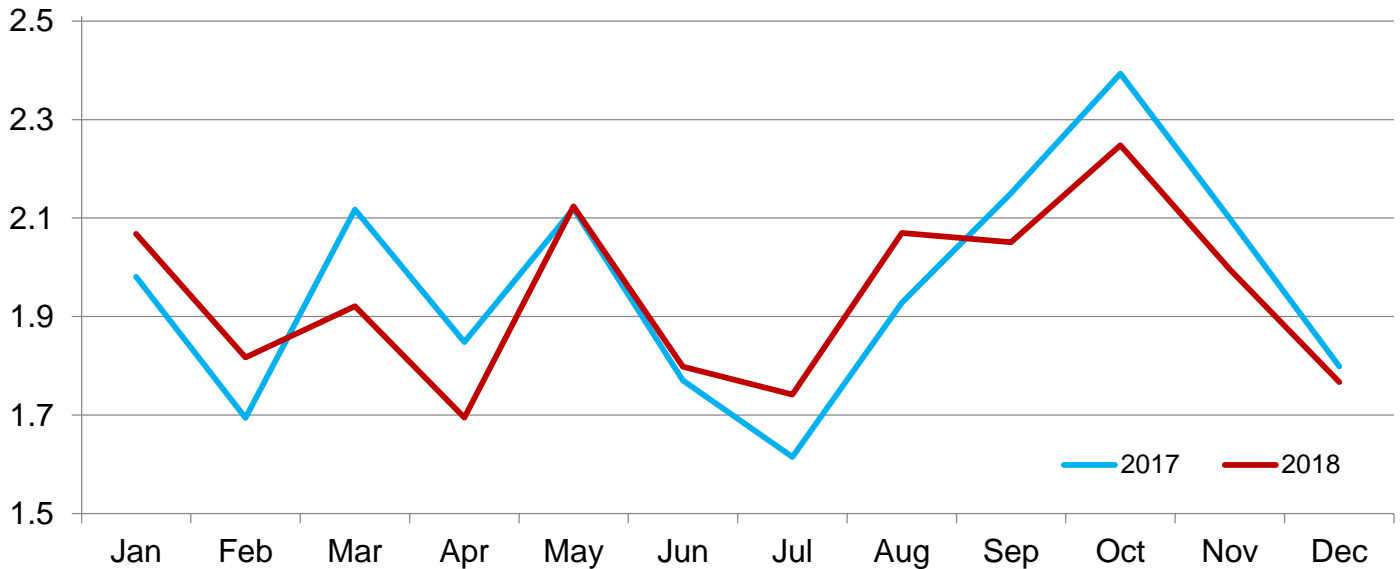


Cattle Placed on Feed on 1,000+ Capacity Feedlots by Month – States and United States: 2017 and 2018

| State | During December 2017 (1,000 head) | During November 2018 (1,000 head) | During December 2018 | | |
|---------------------|--------------------------------------|--------------------------------------|------------------------|---------------------------------------|--|
| | | | Number (1,000 head) | Percent of previous year (percent) | Percent of previous month (percent) |
| Arizona | 29 | 30 | 31 | 107 | 103 |
| California | 83 | 72 | 73 | 88 | 101 |
| Colorado | 120 | 140 | 145 | 121 | 104 |
| Idaho | 35 | 59 | 33 | 94 | 56 |
| Iowa | 100 | 106 | 85 | 85 | 80 |
| Kansas | 400 | 400 | 395 | 99 | 99 |
| Minnesota | 21 | 25 | 12 | 57 | 48 |
| Nebraska | 460 | 520 | 410 | 89 | 79 |
| Oklahoma | 54 | 52 | 36 | 67 | 69 |
| South Dakota | 32 | 47 | 50 | 156 | 106 |
| Texas | 385 | 450 | 410 | 106 | 91 |
| Washington | 27 | 40 | 27 | 100 | 68 |
| Other States | 53 | 55 | 60 | 113 | 109 |
| United States | 1,799 | 1,996 | 1,767 | 98 | 89 |

Number of 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: 2017 and 2018

| State | During December 2017 | | | | | | | |
|------------------|----------------------|--------------|--------------|--------------|-----------------------|--------------|--------------|--------------|
| | 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 | 25 | 20 | 15 | (D) | (D) | 120 |
| Kansas | 55 | 95 | 135 | 75 | 40 | (D) | (D) | 400 |
| Nebraska | 55 | 105 | 120 | 95 | 85 | (D) | (D) | 460 |
| Texas | 165 | 85 | 85 | 35 | 15 | (D) | (D) | 385 |
| Other States ... | 165 | 95 | 80 | 54 | 40 | (D) | (D) | 434 |
| United States .. | 470 | 410 | 445 | 279 | (X) | 100 | 95 | 1,799 |

| State | During November 2018 | | | | | | | |
|------------------|----------------------|--------------|--------------|--------------|-----------------------|--------------|--------------|--------------|
| | 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 | 45 | 40 | 25 | 20 | 10 | (D) | (D) | 140 |
| Kansas | 55 | 100 | 120 | 80 | 45 | (D) | (D) | 400 |
| Nebraska | 100 | 125 | 95 | 90 | 110 | (D) | (D) | 520 |
| Texas | 170 | 110 | 105 | 55 | 10 | (D) | (D) | 450 |
| Other States ... | 180 | 120 | 71 | 70 | 45 | (D) | (D) | 486 |
| United States .. | 550 | 495 | 416 | 315 | (X) | 115 | 105 | 1,996 |

| State | During December 2018 | | | | | | | |
|------------------|----------------------|--------------|--------------|--------------|-----------------------|--------------|--------------|--------------|
| | 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 | 35 | 40 | 30 | 25 | 15 | (D) | (D) | 145 |
| Kansas | 55 | 95 | 130 | 75 | 40 | (D) | (D) | 395 |
| Nebraska | 50 | 110 | 90 | 80 | 80 | (D) | (D) | 410 |
| Texas | 155 | 105 | 85 | 50 | 15 | (D) | (D) | 410 |
| Other States ... | 150 | 110 | 67 | 55 | 25 | (D) | (D) | 407 |
| United States .. | 445 | 460 | 402 | 285 | (X) | 90 | 85 | 1,767 |

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

(X) Not applicable.

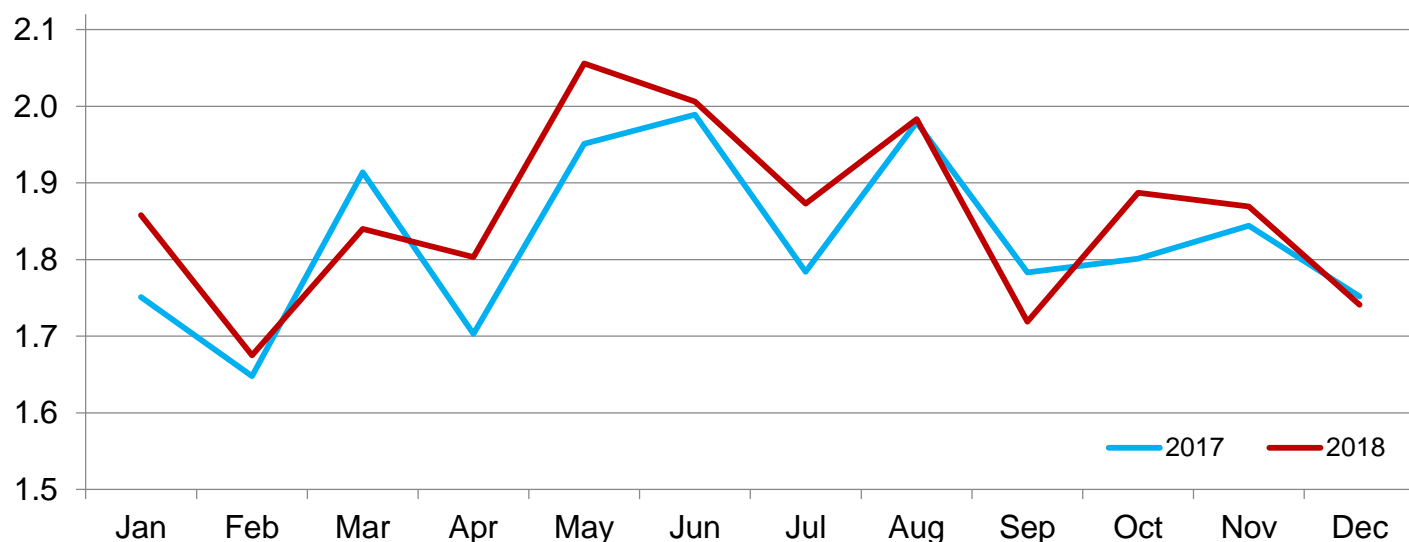
¹ The 900 pounds and greater weight group is the sum of 900-999 pounds and 1,000 pounds and greater weight groups.

Cattle Marketed on 1,000+ Capacity Feedlots by Month – States and United States: 2017 and 2018

| State | During December 2017 | During November 2018 | During December 2018 | | |
|---------------------|----------------------|----------------------|----------------------|--------------------------|---------------------------|
| | | | Number | Percent of previous year | Percent of previous month |
| | | | (1,000 head) | (percent) | (percent) |
| Arizona | 20 | 27 | 24 | 120 | 89 |
| California | 60 | 54 | 70 | 117 | 130 |
| Colorado | 135 | 145 | 140 | 104 | 97 |
| Idaho | 38 | 41 | 36 | 95 | 88 |
| Iowa | 98 | 104 | 92 | 94 | 88 |
| Kansas | 405 | 385 | 410 | 101 | 106 |
| Minnesota | 15 | 14 | 16 | 107 | 114 |
| Nebraska | 425 | 490 | 430 | 101 | 88 |
| Oklahoma | 52 | 50 | 45 | 87 | 90 |
| South Dakota | 39 | 44 | 40 | 103 | 91 |
| Texas | 385 | 430 | 345 | 90 | 80 |
| Washington | 30 | 34 | 36 | 120 | 106 |
| Other States | 50 | 51 | 57 | 114 | 112 |
| United States | 1,752 | 1,869 | 1,741 | 99 | 93 |

Number of 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: 2017 and 2018

| State | During December 2017 (1,000 head) | During November 2018 (1,000 head) | During December 2018 | | |
|---------------------|--------------------------------------|--------------------------------------|------------------------|---------------------------------------|--|
| | | | Number (1,000 head) | Percent of previous year (percent) | Percent of previous month (percent) |
| Arizona | 1 | 1 | 1 | 100 | 100 |
| California | 3 | 3 | 3 | 100 | 100 |
| Colorado | 5 | 5 | 5 | 100 | 100 |
| Idaho | 2 | 3 | 2 | 100 | 67 |
| Iowa | 2 | 2 | 3 | 150 | 150 |
| Kansas | 15 | 15 | 15 | 100 | 100 |
| Minnesota | 1 | 1 | 1 | 100 | 100 |
| Nebraska | 15 | 20 | 20 | 133 | 100 |
| Oklahoma | 2 | 2 | 1 | 50 | 50 |
| South Dakota | 3 | 3 | 5 | 167 | 167 |
| Texas | 20 | 20 | 15 | 75 | 75 |
| Washington | 2 | 1 | 1 | 50 | 100 |
| Other States | 3 | 4 | 3 | 100 | 75 |
| United States | 74 | 80 | 75 | 101 | 94 |

Cattle on Feed by Class on 1,000+ Capacity Feedlots by Quarter – States and United States: 2018 and 2019

| State | Steers and steer calves | | | Heifers and heifer calves | | |
|---------------------|-------------------------|--------------|--------------|---------------------------|--------------|--------------|
| | Jan 1, 2018 | Oct 1, 2018 | Jan 1, 2019 | Jan 1, 2018 | Oct 1, 2018 | Jan 1, 2019 |
| | (1,000 Head) | (1,000 Head) | (1,000 Head) | (1,000 Head) | (1,000 Head) | (1,000 Head) |
| Arizona | 258 | 288 | 285 | 11 | 7 | 10 |
| California | 440 | 465 | 465 | 50 | 55 | 70 |
| Colorado | 565 | 550 | 570 | 405 | 430 | 440 |
| Idaho | 175 | 175 | 185 | 80 | 85 | 95 |
| Iowa | 530 | 500 | 510 | 170 | 190 | 180 |
| Kansas | 1,190 | 1,220 | 1,270 | 1,100 | 1,150 | 1,060 |
| Minnesota | 127 | 105 | 130 | 33 | 25 | 25 |
| Nebraska | 1,640 | 1,510 | 1,570 | 970 | 920 | 990 |
| Oklahoma | 185 | 185 | 180 | 130 | 140 | 135 |
| South Dakota | 145 | 115 | 135 | 105 | 100 | 110 |
| Texas | 1,730 | 1,650 | 1,640 | 910 | 1,010 | 1,090 |
| Washington | 140 | 140 | 140 | 70 | 80 | 85 |
| Other States | 210 | 190 | 200 | 120 | 115 | 120 |
| United States | 7,335 | 7,093 | 7,280 | 4,154 | 4,307 | 4,410 |

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 11.7 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 1,000 head, ranging from 0 to 15,000 head. During this period the initial estimate has been above the latest estimate 0 times and has been below the latest estimate 2 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) |
| Number on feed | 0.0 | 0.1 | 1 | 0 | 15 | 2 | 0 |
| Placements | 0.2 | 0.3 | 1 | 0 | 15 | 2 | 1 |
| Marketings | 0.1 | 0.2 | 0 | 0 | 10 | 0 | 1 |

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@nass.usda.gov.

| | |
|---|----------------|
| Travis Averill, Chief, Livestock Branch | (202) 720-3570 |
| Scott Hollis, Head, Livestock Section | (202) 690-2424 |
| Sherry Bertramsen – Livestock Slaughter | (202) 690-8632 |
| Holly Brenize – Sheep and Goats | (202) 720-0585 |
| Donnie Fike – Dairy Products | (202) 720-4448 |
| Heidi Gleich – Cattle, Cattle on Feed | (202) 720-3040 |
| Mike Miller – Milk Production and Milk Cows | (202) 720-3278 |
| Seth Riggins – Hogs and Pigs | (202) 720-3106 |

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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@nass.usda.gov.

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