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## January 1 Cattle Inventory Up Slightly

**All cattle and calves** in the United States as of January 1, 2019 totaled 94.8 million head, slightly above the 94.3 million head on January 1, 2018.

**All cows and heifers that have calved**, at 41.1 million head, were 1 percent above the 40.9 million head on January 1, 2018. Beef cows, at 31.8 million head, were up 1 percent from a year ago. Milk cows, at 9.35 million head, were down 1 percent from the previous year.

**All heifers 500 pounds and over** as of January 1, 2019 totaled 20.2 million head, slightly above the 20.2 million head on January 1, 2018. Beef replacement heifers, at 5.92 million head, were down 3 percent from a year ago. Milk replacement heifers, at 4.70 million head, were down 1 percent from the previous year. Other heifers, at 9.60 million head, were 3 percent above a year earlier.

**Steers weighing 500 pounds and over** as of January 1, 2019 totaled 16.6 million head, up 1 percent from January 1, 2018.

**Bulls weighing 500 pounds and over** as of January 1, 2019 totaled 2.26 million head, up slightly from January 1, 2018.

**Calves under 500 pounds** as of January 1, 2019 totaled 14.5 million head, up 1 percent from January 1, 2018.

**Cattle and calves on feed** for the slaughter market in the United States for all feedlots totaled 14.4 million head on January 1, 2019. The inventory is up 2 percent from the January 1, 2018 total of 14.1 million head. Cattle on feed in feedlots with capacity of 1,000 or more head accounted for 81.3 percent of the total cattle on feed on January 1, 2019, up slightly from the previous year. The combined total of calves under 500 pounds and other heifers and steers over 500 pounds (outside of feedlots) is 26.4 million head. This is 1 percent above January 1, 2018.

## Calf Crop Up 2 Percent

**The 2018 calf crop** in the United States was estimated at 36.4 million head, up 2 percent from last year's calf crop. Calves born during the first half of 2018 were estimated at 26.6 million head, up 3 percent from the first half of 2017. Calves born during the second half of 2018 were estimated at 9.80 million head, 27 percent of the total 2018 calf crop.

## Revisions

All inventory and calf crop estimates for January 1, 2018, and July 1, 2018 were reviewed using calf crop, official slaughter, import and export data, and the relationship of new survey information to the prior surveys. January 1, 2018 all cattle and calves decreased by 0.1 percent and 2017 calf crop decreased by 0.1 percent. July 1, 2018 all cattle and calves were decreased by 0.2 percent, all cows and heifers that have calved decreased by 0.2 percent, and 2018 calf crop decreased by 0.3 percent.

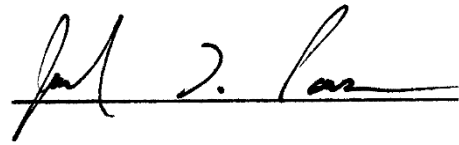
State level estimates were reviewed and changes were made to reallocate inventory estimates to the United States total.

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This report was approved on February 28, 2019.



Secretary of Agriculture  
Designate  
Robert Johansson



Agricultural Statistics Board  
Chairperson  
Joseph L. Parsons

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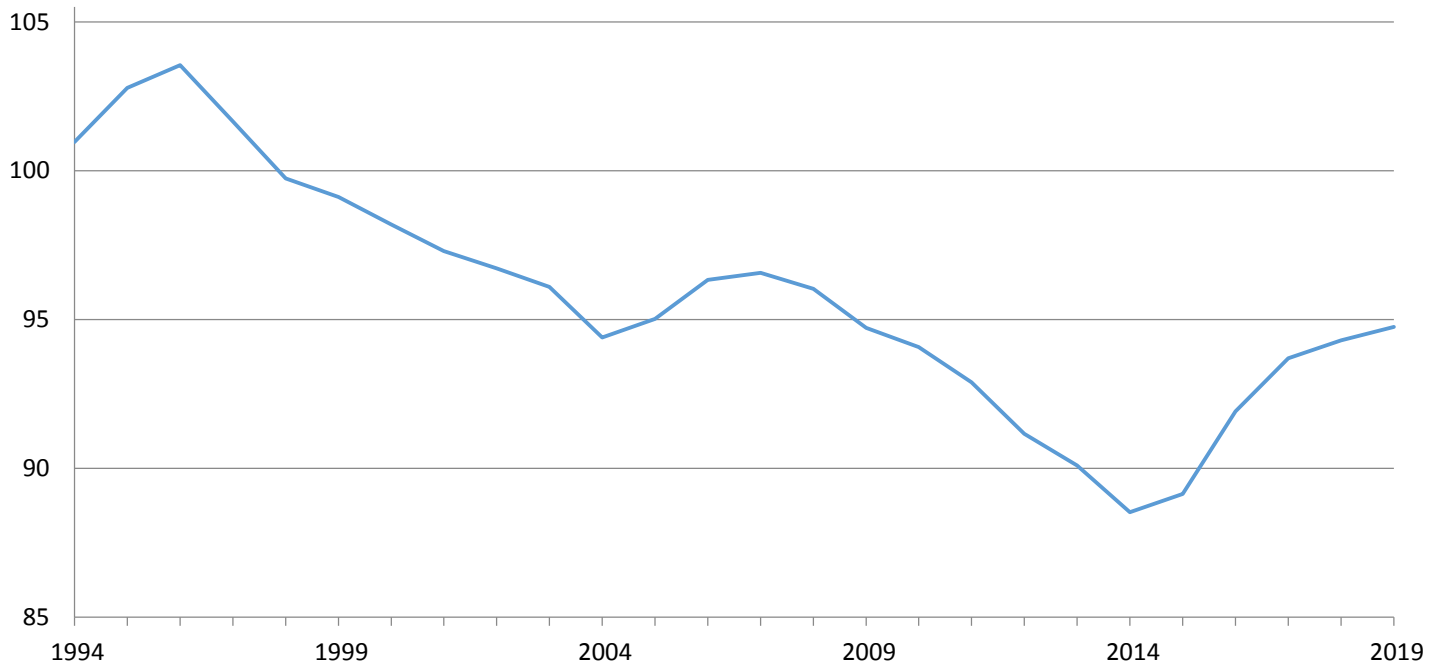
## Cattle Inventory by Class and Calf Crop – United States: January 1, 2018 and 2019

Class	2018	2019	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)
All cattle and calves .....	94,298.0	94,759.7	100
All cows and heifers that have calved .....	40,898.3	41,119.1	101
Beef cows .....	31,466.2	31,765.7	101
Milk cows .....	9,432.1	9,353.4	99
All heifers 500 pounds and over .....	20,217.8	20,230.0	100
For beef cow replacement .....	6,108.2	5,924.9	97
Expected to calve <sup>1</sup> .....	3,763.0	3,543.9	94
For milk cow replacement .....	4,768.3	4,701.5	99
Expected to calve <sup>1</sup> .....	3,036.4	3,005.7	99
Other heifers .....	9,341.3	9,603.6	103
Steers 500 pounds and over .....	16,528.2	16,632.7	101
Bulls 500 pounds and over .....	2,252.3	2,263.0	100
Calves under 500 pounds .....	14,401.4	14,514.9	101
All cattle on feed .....	14,146.0	14,370.9	102
	2017	2018	Percent of previous year
Calf crop .....	35,758.2	36,402.7	102

<sup>1</sup> Replacement heifers expected to calve during the year.

## All Cattle and Calves Inventory – United States: January 1

Million head



## Cattle Inventory by Class – States and United States: January 1, 2018 and 2019

State	All cattle and calves			All cows and heifers that have calved		
	2018	2019	Percent of previous year	2018	2019	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Alabama .....	1,340.0	1,300.0	97	720.0	710.0	99
Alaska .....	15.0	16.0	107	6.4	7.0	109
Arizona .....	1,020.0	1,020.0	100	410.0	420.0	102
Arkansas .....	1,760.0	1,780.0	101	930.0	940.0	101
California .....	5,200.0	5,150.0	99	2,410.0	2,380.0	99
Colorado .....	2,850.0	2,850.0	100	980.0	975.0	99
Connecticut .....	50.0	47.0	94	25.0	24.0	96
Delaware .....	17.0	15.0	88	7.5	6.5	87
Florida .....	1,630.0	1,680.0	103	1,010.0	1,030.0	102
Georgia .....	1,060.0	1,070.0	101	570.0	580.0	102
Hawaii .....	144.0	142.0	99	77.0	77.0	100
Idaho .....	2,420.0	2,500.0	103	1,110.0	1,120.0	101
Illinois .....	1,150.0	1,200.0	104	490.0	500.0	102
Indiana .....	860.0	880.0	102	395.0	390.0	99
Iowa .....	4,000.0	3,950.0	99	1,170.0	1,170.0	100
Kansas .....	6,300.0	6,350.0	101	1,660.0	1,690.0	102
Kentucky .....	2,160.0	2,130.0	99	1,090.0	1,070.0	98
Louisiana .....	820.0	800.0	98	485.0	470.0	97
Maine .....	81.0	78.0	96	40.0	40.0	100
Maryland .....	193.0	197.0	102	93.0	94.0	101
Massachusetts .....	38.0	37.0	97	18.0	17.5	97
Michigan .....	1,160.0	1,150.0	99	530.0	530.0	100
Minnesota .....	2,350.0	2,320.0	99	820.0	820.0	100
Mississippi .....	930.0	900.0	97	510.0	485.0	95
Missouri .....	4,350.0	4,250.0	98	2,170.0	2,140.0	99
Montana .....	2,550.0	2,500.0	98	1,510.0	1,460.0	97
Nebraska .....	6,800.0	6,800.0	100	1,970.0	2,000.0	102
Nevada .....	465.0	470.0	101	270.0	275.0	102
New Hampshire .....	36.0	33.0	92	17.0	16.0	94
New Jersey .....	29.0	30.0	103	15.0	15.0	100
New Mexico .....	1,510.0	1,480.0	98	815.0	805.0	99
New York .....	1,480.0	1,450.0	98	730.0	725.0	99
North Carolina .....	800.0	800.0	100	415.0	410.0	99
North Dakota .....	1,860.0	1,830.0	98	980.0	1,000.0	102
Ohio .....	1,300.0	1,310.0	101	560.0	560.0	100
Oklahoma .....	5,100.0	5,300.0	104	2,130.0	2,190.0	103
Oregon .....	1,270.0	1,320.0	104	660.0	670.0	102
Pennsylvania .....	1,620.0	1,600.0	99	740.0	730.0	99
Rhode Island .....	5.0	4.7	94	2.4	2.1	88
South Carolina .....	340.0	345.0	101	189.0	200.0	106
South Dakota .....	4,000.0	4,050.0	101	1,870.0	1,940.0	104
Tennessee .....	1,830.0	1,800.0	98	950.0	950.0	100
Texas .....	12,500.0	13,000.0	104	5,050.0	5,200.0	103
Utah .....	790.0	810.0	103	435.0	440.0	101
Vermont .....	260.0	255.0	98	143.0	140.0	98
Virginia .....	1,480.0	1,440.0	97	720.0	710.0	99
Washington .....	1,160.0	1,180.0	102	510.0	510.0	100
West Virginia .....	395.0	390.0	99	210.0	205.0	98
Wisconsin .....	3,500.0	3,450.0	99	1,560.0	1,560.0	100
Wyoming .....	1,320.0	1,300.0	98	720.0	720.0	100
United States .....	94,298.0	94,759.7	100	40,898.3	41,119.1	101

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**Cattle Inventory by Class – States and United States: January 1, 2018 and 2019 (continued)**

State	Beef cows that have calved			Milk cows that have calved		
	2018	2019	Percent of previous year	2018	2019	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Alabama .....	714.0	705.0	99	6.0	5.0	83
Alaska .....	6.1	6.8	111	0.3	0.2	67
Arizona .....	200.0	215.0	108	210.0	205.0	98
Arkansas .....	924.0	935.0	101	6.0	5.0	83
California .....	670.0	650.0	97	1,740.0	1,730.0	99
Colorado .....	812.0	797.0	98	168.0	178.0	106
Connecticut .....	5.0	4.5	90	20.0	19.5	98
Delaware .....	2.5	2.0	80	5.0	4.5	90
Florida .....	886.0	914.0	103	124.0	116.0	94
Georgia .....	485.0	499.0	103	85.0	81.0	95
Hawaii .....	75.0	75.5	101	2.0	1.5	75
Idaho .....	510.0	506.0	99	600.0	614.0	102
Illinois .....	397.0	415.0	105	93.0	85.0	91
Indiana .....	208.0	209.0	100	187.0	181.0	97
Iowa .....	950.0	950.0	100	220.0	220.0	100
Kansas .....	1,504.0	1,529.0	102	156.0	161.0	103
Kentucky .....	1,033.0	1,017.0	98	57.0	53.0	93
Louisiana .....	473.0	459.0	97	12.0	11.0	92
Maine .....	10.0	11.0	110	30.0	29.0	97
Maryland .....	46.0	50.0	109	47.0	44.0	94
Massachusetts .....	6.5	7.0	108	11.5	10.5	91
Michigan .....	102.0	108.0	106	428.0	422.0	99
Minnesota .....	365.0	370.0	101	455.0	450.0	99
Mississippi .....	501.0	477.0	95	9.0	8.0	89
Missouri .....	2,086.0	2,059.0	99	84.0	81.0	96
Montana .....	1,497.0	1,448.0	97	13.0	12.0	92
Nebraska .....	1,910.0	1,941.0	102	60.0	59.0	98
Nevada .....	238.0	242.0	102	32.0	33.0	103
New Hampshire .....	4.5	4.0	89	12.5	12.0	96
New Jersey .....	9.0	9.5	106	6.0	5.5	92
New Mexico .....	483.0	480.0	99	332.0	325.0	98
New York .....	105.0	100.0	95	625.0	625.0	100
North Carolina .....	370.0	367.0	99	45.0	43.0	96
North Dakota .....	964.0	985.0	102	16.0	15.0	94
Ohio .....	296.0	307.0	104	264.0	253.0	96
Oklahoma .....	2,088.0	2,150.0	103	42.0	40.0	95
Oregon .....	536.0	545.0	102	124.0	125.0	101
Pennsylvania .....	215.0	225.0	105	525.0	505.0	96
Rhode Island .....	1.6	1.4	88	0.8	0.7	88
South Carolina .....	174.0	186.0	107	15.0	14.0	93
South Dakota .....	1,751.0	1,818.0	104	119.0	122.0	103
Tennessee .....	910.0	914.0	100	40.0	36.0	90
Texas .....	4,520.0	4,655.0	103	530.0	545.0	103
Utah .....	338.0	340.0	101	97.0	100.0	103
Vermont .....	15.0	14.0	93	128.0	126.0	98
Virginia .....	633.0	631.0	100	87.0	79.0	91
Washington .....	235.0	230.0	98	275.0	280.0	102
West Virginia .....	203.0	198.0	98	7.0	7.0	100
Wisconsin .....	285.0	290.0	102	1,275.0	1,270.0	100
Wyoming .....	714.0	714.0	100	6.0	6.0	100
United States .....	31,466.2	31,765.7	101	9,432.1	9,353.4	99

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**Cattle Inventory by Class – States and United States: January 1, 2018 and 2019 (continued)**

State	All heifers 500 pounds and over					
	Beef cow replacement		Milk cow replacement		Other	
	2018	2019	2018	2019	2018	2019
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Alabama .....	125.0	121.0	3.0	2.0	37.0	32.0
Alaska .....	1.4	1.4	0.1	0.1	0.5	0.7
Arizona .....	36.0	35.0	105.0	115.0	29.0	20.0
Arkansas .....	160.0	156.0	4.0	4.0	71.0	75.0
California .....	125.0	125.0	780.0	760.0	175.0	205.0
Colorado .....	175.0	170.0	100.0	110.0	550.0	560.0
Connecticut .....	2.0	1.5	9.5	9.0	1.5	1.5
Delaware .....	0.7	0.6	2.0	1.6	0.4	0.3
Florida .....	115.0	130.0	40.0	35.0	30.0	25.0
Georgia .....	95.0	90.0	25.0	30.0	25.0	30.0
Hawaii .....	12.0	11.5	1.0	1.0	5.0	5.0
Idaho .....	120.0	110.0	310.0	340.0	210.0	220.0
Illinois .....	70.0	70.0	47.0	45.0	98.0	95.0
Indiana .....	50.0	45.0	75.0	80.0	45.0	50.0
Iowa .....	165.0	160.0	135.0	125.0	550.0	560.0
Kansas .....	280.0	280.0	140.0	170.0	1,490.0	1,420.0
Kentucky .....	145.0	130.0	45.0	45.0	115.0	130.0
Louisiana .....	90.0	83.0	4.0	4.0	20.0	23.0
Maine .....	4.0	3.0	15.0	14.0	3.0	3.0
Maryland .....	12.0	13.0	28.0	30.0	10.0	8.0
Massachusetts .....	2.0	2.0	7.0	6.5	1.0	1.0
Michigan .....	24.0	25.0	176.0	160.0	30.0	40.0
Minnesota .....	100.0	95.0	290.0	255.0	175.0	170.0
Mississippi .....	92.0	90.0	7.0	5.0	40.0	40.0
Missouri .....	355.0	345.0	40.0	40.0	205.0	205.0
Montana .....	390.0	380.0	7.0	8.0	223.0	232.0
Nebraska .....	375.0	365.0	15.0	15.0	1,520.0	1,530.0
Nevada .....	42.0	42.0	12.0	11.0	30.0	29.0
New Hampshire .....	1.5	1.3	7.0	6.5	0.5	0.7
New Jersey .....	2.1	2.5	3.2	3.3	1.2	0.7
New Mexico .....	105.0	95.0	130.0	125.0	95.0	85.0
New York .....	45.0	40.0	350.0	335.0	50.0	50.0
North Carolina .....	63.0	60.0	17.0	20.0	22.0	20.0
North Dakota .....	191.0	197.0	9.0	8.0	240.0	210.0
Ohio .....	70.0	70.0	121.0	125.0	59.0	55.0
Oklahoma .....	410.0	400.0	25.0	20.0	510.0	520.0
Oregon .....	95.0	110.0	70.0	65.0	100.0	115.0
Pennsylvania .....	60.0	65.0	310.0	290.0	60.0	55.0
Rhode Island .....	0.5	0.6	0.5	0.5	0.2	0.2
South Carolina .....	28.0	37.0	6.0	5.0	9.0	8.0
South Dakota .....	435.0	385.0	45.0	40.0	500.0	550.0
Tennessee .....	135.0	145.0	25.0	25.0	80.0	75.0
Texas .....	800.0	740.0	250.0	260.0	1,470.0	1,690.0
Utah .....	70.0	70.0	50.0	50.0	60.0	65.0
Vermont .....	5.0	4.5	57.0	55.0	6.0	6.5
Virginia .....	100.0	93.0	40.0	37.0	70.0	61.0
Washington .....	52.0	57.0	123.0	123.0	115.0	120.0
West Virginia .....	37.0	32.0	3.0	3.0	18.0	20.0
Wisconsin .....	80.0	80.0	700.0	680.0	50.0	60.0
Wyoming .....	160.0	160.0	4.0	4.0	136.0	126.0
United States .....	6,108.2	5,924.9	4,768.3	4,701.5	9,341.3	9,603.6

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**Cattle Inventory by Class – States and United States: January 1, 2018 and 2019 (continued)**

State	Steers 500 pounds and over		Bulls 500 pounds and over		Calves under 500 pounds	
	2018	2019	2018	2019	2018	2019
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Alabama .....	40.0	45.0	50.0	45.0	365.0	345.0
Alaska .....	0.5	0.7	2.4	3.0	3.7	3.1
Arizona .....	275.0	295.0	20.0	20.0	145.0	115.0
Arkansas .....	110.0	115.0	60.0	60.0	425.0	430.0
California .....	620.0	600.0	70.0	70.0	1,020.0	1,010.0
Colorado .....	810.0	830.0	55.0	55.0	180.0	150.0
Connecticut .....	2.0	1.5	0.5	0.5	9.5	9.0
Delaware .....	2.1	2.6	0.3	0.4	4.0	3.0
Florida .....	20.0	20.0	55.0	60.0	360.0	380.0
Georgia .....	35.0	37.0	35.0	33.0	275.0	270.0
Hawaii .....	11.0	10.5	4.0	4.0	34.0	33.0
Idaho .....	310.0	320.0	40.0	40.0	320.0	350.0
Illinois .....	195.0	245.0	25.0	25.0	225.0	220.0
Indiana .....	104.0	110.0	16.0	17.0	175.0	188.0
Iowa .....	1,390.0	1,360.0	70.0	70.0	520.0	505.0
Kansas .....	2,020.0	2,010.0	95.0	95.0	615.0	685.0
Kentucky .....	195.0	225.0	70.0	70.0	500.0	460.0
Louisiana .....	23.0	27.0	31.0	30.0	167.0	163.0
Maine .....	4.0	4.0	1.5	1.5	13.5	12.5
Maryland .....	17.0	14.0	4.0	5.0	29.0	33.0
Massachusetts .....	2.0	2.0	1.0	1.0	7.0	7.0
Michigan .....	180.0	170.0	15.0	15.0	205.0	210.0
Minnesota .....	475.0	485.0	35.0	35.0	455.0	460.0
Mississippi .....	48.0	52.0	38.0	38.0	195.0	190.0
Missouri .....	410.0	385.0	120.0	125.0	1,050.0	1,010.0
Montana .....	210.0	240.0	105.0	100.0	105.0	80.0
Nebraska .....	2,480.0	2,380.0	110.0	110.0	330.0	400.0
Nevada .....	40.0	39.0	15.0	15.0	56.0	59.0
New Hampshire .....	2.0	1.5	0.5	0.5	7.5	6.5
New Jersey .....	2.1	2.5	1.0	1.0	4.4	5.0
New Mexico .....	130.0	130.0	40.0	35.0	195.0	205.0
New York .....	47.0	47.0	18.0	18.0	240.0	235.0
North Carolina .....	33.0	35.0	30.0	30.0	220.0	225.0
North Dakota .....	260.0	245.0	70.0	65.0	110.0	105.0
Ohio .....	210.0	215.0	30.0	30.0	250.0	255.0
Oklahoma .....	990.0	1,050.0	155.0	180.0	880.0	940.0
Oregon .....	145.0	160.0	40.0	40.0	160.0	160.0
Pennsylvania .....	130.0	135.0	25.0	25.0	295.0	300.0
Rhode Island .....	0.5	0.4	0.1	0.1	0.8	0.8
South Carolina .....	10.0	10.0	16.0	14.0	82.0	71.0
South Dakota .....	730.0	730.0	110.0	105.0	310.0	300.0
Tennessee .....	150.0	130.0	60.0	65.0	430.0	410.0
Texas .....	2,620.0	2,720.0	340.0	340.0	1,970.0	2,050.0
Utah .....	80.0	85.0	25.0	25.0	70.0	75.0
Vermont .....	4.0	4.0	3.0	3.0	42.0	42.0
Virginia .....	160.0	155.0	40.0	39.0	350.0	345.0
Washington .....	200.0	200.0	20.0	20.0	140.0	150.0
West Virginia .....	41.0	42.0	15.0	14.0	71.0	74.0
Wisconsin .....	380.0	360.0	30.0	30.0	700.0	680.0
Wyoming .....	175.0	150.0	40.0	40.0	85.0	100.0
United States .....	16,528.2	16,632.7	2,252.3	2,263.0	14,401.4	14,514.9



## Calf Crop – States and United States: 2017 and 2018

State	2017	2018	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)
Alabama .....	630.0	620.0	98
Alaska .....	4.5	5.0	111
Arizona .....	310.0	320.0	103
Arkansas .....	790.0	800.0	101
California .....	1,880.0	1,860.0	99
Colorado .....	830.0	840.0	101
Connecticut .....	17.5	16.5	94
Delaware .....	7.0	6.0	86
Florida .....	790.0	820.0	104
Georgia .....	480.0	510.0	106
Hawaii .....	60.0	60.0	100
Idaho .....	960.0	960.0	100
Illinois .....	420.0	430.0	102
Indiana .....	340.0	360.0	106
Iowa .....	1,090.0	1,110.0	102
Kansas .....	1,430.0	1,500.0	105
Kentucky .....	990.0	970.0	98
Louisiana .....	370.0	360.0	97
Maine .....	30.0	29.0	97
Maryland .....	70.0	75.0	107
Massachusetts .....	17.0	16.0	94
Michigan .....	410.0	420.0	102
Minnesota .....	790.0	800.0	101
Mississippi .....	400.0	385.0	96
Missouri .....	1,960.0	1,940.0	99
Montana .....	1,480.0	1,450.0	98
Nebraska .....	1,700.0	1,750.0	103
Nevada .....	220.0	220.0	100
New Hampshire .....	13.5	12.0	89
New Jersey .....	9.5	10.0	105
New Mexico .....	630.0	610.0	97
New York .....	550.0	560.0	102
North Carolina .....	365.0	365.0	100
North Dakota .....	960.0	930.0	97
Ohio .....	490.0	490.0	100
Oklahoma .....	1,950.0	2,050.0	105
Oregon .....	630.0	620.0	98
Pennsylvania .....	600.0	610.0	102
Rhode Island .....	2.2	2.2	100
South Carolina .....	147.0	169.0	115
South Dakota .....	1,840.0	1,900.0	103
Tennessee .....	850.0	860.0	101
Texas .....	4,400.0	4,750.0	108
Utah .....	375.0	385.0	103
Vermont .....	105.0	102.0	97
Virginia .....	640.0	630.0	98
Washington .....	440.0	440.0	100
West Virginia .....	195.0	185.0	95
Wisconsin .....	1,430.0	1,420.0	99
Wyoming .....	660.0	670.0	102
United States .....	35,758.2	36,402.7	102

## All Cattle on Feed Inventory— States and United States: January 1, 2018 and 2019

[Cattle and calves 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. Cattle and calves on feed are included in the cattle inventory estimates by class]

State	2018	2019	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)
Arizona .....	274.0	300.0	109
California .....	490.0	535.0	109
Colorado .....	1,000.0	1,050.0	105
Idaho .....	265.0	295.0	111
Illinois .....	220.0	250.0	114
Indiana .....	90.0	100.0	111
Iowa .....	1,300.0	1,320.0	102
Kansas .....	2,450.0	2,430.0	99
Kentucky .....	17.0	16.0	94
Maryland .....	9.0	9.0	100
Michigan .....	140.0	150.0	107
Minnesota .....	430.0	410.0	95
Missouri .....	80.0	100.0	125
Montana .....	45.0	40.0	89
Nebraska .....	2,800.0	2,750.0	98
Nevada .....	3.0	4.0	133
New York .....	22.0	22.0	100
North Dakota .....	58.0	59.0	102
Ohio .....	140.0	150.0	107
Oklahoma .....	330.0	330.0	100
Oregon .....	90.0	90.0	100
Pennsylvania .....	85.0	100.0	118
South Dakota .....	470.0	425.0	90
Texas .....	2,650.0	2,750.0	104
Utah .....	20.0	23.0	115
Virginia .....	18.0	15.0	83
Washington .....	215.0	230.0	107
West Virginia .....	4.0	4.0	100
Wisconsin .....	280.0	280.0	100
Wyoming .....	70.0	65.0	93
Other States <sup>1</sup> .....	81.0	68.9	85
United States .....	14,146.0	14,370.9	102

<sup>1</sup> Individual state estimates not available for states not shown, but are included in Other States.

### Cattle Grazing on Small Grain Pasture – 3-State Total: January 1, 2018 and 2019

States	2018	2019	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)
Kansas, Oklahoma, and Texas .....	1,500.0	1,900.0	127

### Cattle Inventory by Class and Calf Crop – United States: July 1, 2017 and 2018

Class	2017	2018	Percent of previous year
	(1,000 head)	(1,000 head)	(percent)
Cattle and calves .....	102,100.0	103,000.0	101
Cows and heifers that have calved .....	41,500.0	41,800.0	101
Beef cows .....	32,100.0	32,400.0	101
Milk cows .....	9,400.0	9,400.0	100
Heifers 500 pounds and over .....	16,200.0	16,300.0	101
For beef cow replacement .....	4,700.0	4,600.0	98
For milk cow replacement .....	4,200.0	4,200.0	100
Other heifers .....	7,300.0	7,500.0	103
Steers 500 pounds and over .....	14,500.0	14,500.0	100
Bulls 500 pounds and over .....	2,000.0	2,100.0	105
Calves under 500 pounds .....	27,900.0	28,300.0	101
Calf crop .....	35,758.2	36,402.7	102
Cattle on feed .....	12,800.0	13,300.0	104

### Calf Crop and Percent of Total by Six Month Period – United States: 2017 and 2018

Period	2017		2018	
	Number	Percent of total	Number	Percent of total
	(1,000 head)	(percent)	(1,000 head)	(percent)
January 1 - June 30 .....	25,950.0	72.6	26,600.0	73.1
July 1 - December 31 .....	9,808.2	27.4	9,802.7	26.9
Total .....	35,758.2	100.0	36,402.7	100.0

## Statistical Methodology

**Survey Procedures:** A random sample of United States producers were surveyed to provide data for these estimates. Survey procedures ensured that all cattle 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 36,000 operators during the first half of January by mail, telephone, internet, and face-to-face personal interviews and 69 percent of the reports were usable. Regardless of when operators responded, they were asked to report inventories as of January 1.

**Estimating Procedures:** These cattle estimates were prepared by the Agricultural Statistics Board after reviewing recommendations and analysis submitted by Regional Field Offices. National and State survey data were reviewed for reasonableness with each other and with estimates from the previous year using a balance sheet. The balance sheet begins with the previous inventory estimate, adds estimates of births and imports, and subtracts estimates of slaughter, exports, and deaths. This indicated ending inventory level is compared to the Agricultural Statistics Board estimate for reasonableness.

**Revision Policy:** Revisions to previous estimates are made to improve year to year and item to item relationships. Estimates for the previous year are subject to revision when current estimates are made. The reviews are primarily based on livestock slaughter and additional foreign trade and survey data. Estimates will also be reviewed after data from the five-year *Census of Agriculture* are available. No revisions will be made after that date.

**Reliability:** Since all cattle 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 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 all cattle and calves inventory estimates over the past 10 years is 0.5 percent. This means that chances are 2 out of 3 that the final estimate will not be above or below the current estimate of 94.8 million head by more than 0.5 percent. Chances are 9 out of 10 that the difference will not exceed 0.9 percent.

The table on the following page shows a 10 year record of the range of differences between first and latest estimates for selected items. Using estimates of all cattle and calves as an example, changes between the first inventory estimate and the latest estimate during the past 10 years have averaged 385,000 head, ranging from 70,000 to 796,000 head. During this period the initial inventory estimate has been above the latest estimate 3 times and below the latest estimate 7 times. This does not imply that the January 1 estimate is likely to understate or overstate final inventory.

## Reliability of January 1 Cattle Estimates

[Based on data for the past ten years]

Item	Root mean square error	90 percent confidence level	Difference between first and latest estimate				
			Average	Smallest	Largest	Years	
						Below latest	Above latest
	(percent)	(percent)	(1,000 head)	(1,000 head)	(1,000 head)	(number)	(number)
All cattle and calves .....	0.5	0.9	385	70	796	7	3
All cows and heifers that have calved .....	0.6	1.1	182	0	405	6	3
Calf crop .....	0.5	0.9	131	10	378	6	4

## 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](mailto:nass@nass.usda.gov).

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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

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov)
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- 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](mailto: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](mailto:nass@nass.usda.gov).

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**USDA NASS Data Users' Meeting**  
**Tuesday, April 23, 2019**

University of Chicago – Gleacher Center  
450 North Cityfront Plaza Drive  
Chicago, IL 60611  
312-464-8787

USDA's National Agricultural Statistics Service will hold an open forum for users of U.S. domestic and international agriculture data. NASS is organizing the 2019 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website ([https://www.nass.usda.gov/Education\\_and\\_Outreach/Meeting/index.php](https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php)). Contact Vernita Murray (NASS) at 202-690-8141 or [vernita.murray@nass.usda.gov](mailto:vernita.murray@nass.usda.gov) or Patricia Snipe (NASS) at 202-720-2248 or [patricia.snipe@nass.usda.gov](mailto:patricia.snipe@nass.usda.gov) for information.

The Data Users' Meeting precedes the Industry Outlook Conference at the same location on Wednesday, April 24, 2019. The outlook meeting brings together analysts from various commodity sectors to discuss developments and trends. For registration details or additional information about the Industry Outlook Conference, see the conference page on the LMIC website (<http://lmic.info/page/meetings>). Or contact Laura Lahr at 303-716-9935 or [laura.lahr@lmic.info](mailto:laura.lahr@lmic.info).