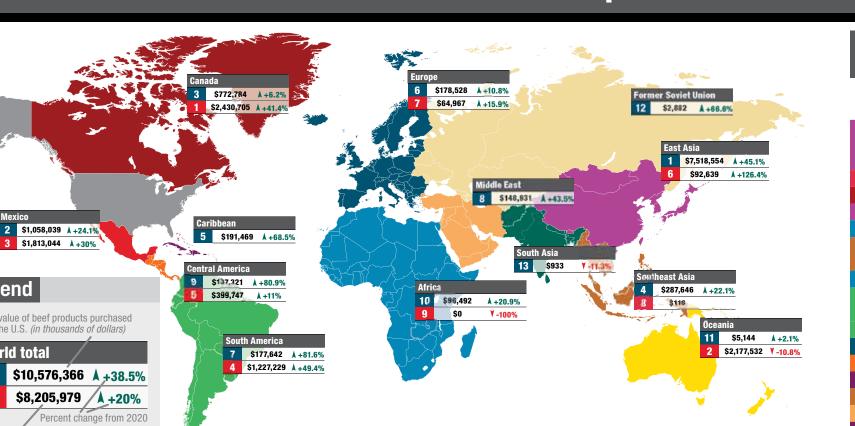
## Global production and trade



Dercen	itage of world	гапк	oountry	10113)	2020	production	Tallin	(1,000 11000)	20
				2021				2021	
beet pi	roduction	1	United States	12,730	+2.8%	21.9%	4	93,790	0.
		2	Brazil	9,500	-5.9%	16.3%	2	252,700	+3
21 9%	United States	3	China	6,980	+3.9%	12.0%	3	95,009	+4
21.070	oniced ocaces	4	European Union	6,855	-0.4%	11.8%	5	76,494	-0
		5	India	4,195	+11.6%	7.2%	1	305,500	+0
16.3%	Brazil	6	Argenting	3.000	-5.4%	5.2%	6	53.540	-1.

**Beef production for selected countries** 

<b>16.3%</b> Brazil	6
	7
<b>12.0%</b> China	8
11.8% European Union	9
<b>7.2%</b> India	10
2.22	11
<b>5.2%</b> Argentina	12

**21.9%** Other

## Top 20 countries buying U.S. beef products (exports

		2021			2021	
Rank	Country	Beef and variety meat (in metric tons)	Percent change from 2020	Rank	Beef and variety meat value (in thousands of dollars)	Percent change from 2020
- 1	Japan	320,737	+5%	2	\$2,376,085	+22%
2	South Korea	280,143	+14%	1	\$2,382,754	+38%
3	Hong Kong/China(*)	240,827	+87%	3	\$2,091,665	+114%
4	Mexico	200,628	+4%	4	\$1,058,039	+24%
5	Canada	104,277	-4%	5	\$772,784	+6%
6	Taiwan	63,095	-1%	6	\$668,045	+21%
7	Egypt	49,768	+1%	12	\$73,590	+30%
8	Indonesia	27,010	+42%	8	\$118,408	+65%
9	Philippines	13,454	+6%	11	\$73,736	+19%
10	South Africa	12,506	-22%	23	\$14,339	+21%
11	Chile	11,088	+27%	9	\$94,760	+87%
12	Peru	9,694	+7%	17	\$33,034	+69%
13	Colombia	9,359	+106%	16	\$40,718	+105%
14	Netherlands	9,135	-6%	7	\$124,415	+4%
15	Guatemala	8,244	+40%	13	\$62,467	+69%
16	Dominican Republic	7,926	+85%	10	\$78,683	+133%
17	Vietnam	6,461	-42%	15	\$44,863	-24%
18	United Arab Emirates	5,915	+41%	14	\$60,345	+45%
19	Jamaica	4,790	+21%	22	\$16,530	+111%
20	Kuwait	3,453	+45%	18	\$31,903	+66%
	World total	1,439,814	+15%		\$10,576,366	+38%

Rank	Country	Beef and veal imported (in metric tons)	Percent change from 2020	Rank	2021 Beef and veal imported (in thousands of dollars)	Percent chan from 2020
1	Canada	331,031	+14%	1	\$2,430,705	+41%
2	Mexico	247,676	+3%	2	\$1,813,044	+30%
3	New Zealand(*)	166,352	-2%	4	\$1,169,652	+7%
4	Australia(*)	137,557	-38%	3	\$1,007,880	-22%
5	Brazil	105,182	+78%	5	\$805,365	+94%
6	Nicaragua	65,408	+2%	6	\$360,935	+17%
7	Uruguay	41,547	-10%	7	\$282,332	-4%
8	Argentina	20,175	-5%	8	\$137,484	+24%
9	Costa Rica	7,612	-21%	10	\$38,721	-13%
10	Ireland	6,279	-24%	11	\$36,074	-10%
	World total	1,133,680	NC		\$8,205,979	+20%
_		1100			0	

## Market prices and indexes

**12,500** \$7.00 **170** | **2019** 

12,100 \$6.20 160

**10,900** \$3.80 **130** 

2019-22 - Monthly cattle on feed, corn price and feeder calf prices

— Cattle on feed\* (thousands of head) Corn price (per bushel) ----- Feeder calf prices (weighted dollars per cwt)

5-area weekly weighted average

2020



## CATTLE 2022 beef statistics

## Herd reduction hits third year for beef supply

Numbers for cattle and beef cows in the U.S. declined yet again on Jan. 1, 2022, setting a third straight year that the cattle and calf inventory dropped from the previous year.

Herd liquidation brought total numbers down 2% to 91.9 million cattle and calves, as the sell-off continued due to rising fears of drought and inflation.

Beef cow herd numbers also went down for the third straight year, dipping 2.3% to 30.1 million head, lowest total since 2016.

The culling led to yet another record year for overall beef production in the U.S., yielding 27.9 billion pounds – a jump of 2.8%. Liquidation 2022, with corn and hay prices soaring through the inflation spikes starting the year. Corn hit \$6.32 in August range again in early 2022.

Liquidation was seen across most of the southern and northern Plain cowcalf states through 2021 with Texas (-3.5%), Oklahoma (-1.3%), Missouri (-4.6%) and Nebraska (-2.6%) all curbing into their female inventory.

a hefty 7.6% jump in beef cow numbers, The East Asia export market with 65,000 more brood cows back in 3% in its beef cow herd, as did Idaho with a 7.3% increase thanks to 34,000

calf sales, leading to 15.5% more cash receipts for the industry to the total of \$72.8 billion for 2021. With prices for feed, feeder calves and boxed beef cutouts all jumping in the year, it left several economists worried about the overall impact on the consumer going

The calf crop in three of four regions declined through 2021, most heavily in the West region affected by drought through much of spring and

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the inventory. California saw a jump of U.S. beef in 2021, a year marked by the coronavirus pandemic. And while Japan (up 5%) and South Korea (up 14%) remained the top two partners nicely with a 4.2% increase in cattle and both in volume and dollars spent, the rising trade to the Chinese continues to fulfill high expectations. China/Hong million. Kong purchases of U.S. beef and variety meat were up 87% on the year and up an remained steady in 2021, with North Chinese market the third largest among tons of beef and veal into the U.S., a all nations in 2021, and it's slated to surpass South Korea in 2022 if trends

> Overall export volume and value of to be strong exporters to the U.S. U.S. beef set new records in 2021, rising but saw reductions of 2% and 38% 12.6% in volume to 185,058 metric tons respectively.

(MT) over 2020, and 38.3% or by \$2.9 billion dollars in overall value to \$10.6 billion – far outpacing the previous mark of \$8.3 billion in 2018. Other key trading partners also

continued to spend more on U.S. beef in 2021, with Mexico spending 24% more to just over \$1 billion, Canada jumping 6% more to \$772 million, and Taiwan

astounding 114% in value – to the tune American partners providing the bulk of of \$2.1 billion. Those increases made the the supply. Canada sent 289,196 metric 240,839 MT, a 3% increase in 2021.

## 100-year history: U.S. cattle & calves inventory & beef produced





## aspen (

Weekly Choice cutout

# Takes One.

Cattle price indexes and spreads

CME feeder cattle index

Quellaxcin® 100 (enrofloxacin) is a broad-spectrum antimicrobial solution that can be used as a singledose or multi-day treatment for bovine respiratory disease (BRD). Now available in three sizes.



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U.S. beef exports

U.S. beef and veal

olume and value

Japan
 Mexico
 South Korea
 Canada
 China/Hong Kong

Animal Health

"Quality Liquid Feeds has provided us with technical expertise we needed to support our feeding strategy and even offered resources to help us succeed outside of the feedbunk. We are competitive in the marketplace because of the support we receive from QLF.

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## 2022 U.S. beef statistics

Top 50 beef cow counties



9 North Dakota
945 Y -2.1%

15 1,850 34 8,777

23 39 8 211

14 1,077 15 \$1,148,877

5 South Dakota
1,610 Y -10.5%
8 3,800 23 13,928
7 445 4 273
7 2,419 8 \$2,932,605

26 Minnesota 360 A +7.5% 12 2,200 15 20

23 New Mexico
453 Y -2.2%
22 1,300 32 10,880
NA NA 15 119
16 982.6 16 \$1,066,700



2 Oklahoma
2,131 V -1.3%
5 5,200 3 52,048
10 315 20 100
5 2,662 6 \$3,409,676

1 Texas
4,475 Y -3.5%
1 12,700 1 152,882
1 2,930 25 83
2 6,435 2 \$10,053,767











18,587,000 7,632,500 2,790,000 11,783,900 Cattle sales

1-99 head (operations) 100-499 head (operations)



### North Region Cattle/calves

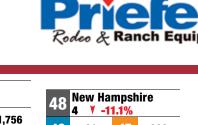
30,004,600

## **South Central Region**

Cattle on feed Cattle sales

500+ head (operations)

500+ head (operations) **3,705** 



44 Massachusetts
8 A +14.3%
45 38 43 1,267
NA NA 48 30
45 12.9 47 \$7,249



















11 Arkansas 905 V -2.2% 17 1,690 8 25,372 NA NA 28 67 18 921 27 \$523,936







39 Michigan 96 Y -4.0% 28 1,120 28

32 418 25 \$572,358













19 1,420

24 22 17 111 28 490.7 34 \$298,007











aspen (

13 Tennessee
893 Y -0.8%
16 1,750 5 37,288
NA NA 40 47
19 869.5 24 \$582,781

16 Alabama 677 Y -2.9% 24 1,260 12 22,046 NA NA 34 57 23 613 29 \$447,468

21 Georgia
487 Y -2.4%
29 1,050 18 17,387
NA NA 31 60
27 567.5 31 \$400,991

12 Florida 895 Y -3.7% 18 1,630 14 21,469 NA NA 26 76 20 837.5 26 \$546,157



Cattle/calves # of head Calf crop Cattle on feed

> 5,957,000 Beef cows 99,077 Cattle/calves operations

## 500+ head (operations)

## Cattle/calves # of head

Calf crop 10,647,900 5,853,000 Cattle on feed Cattle sales 18,176,200 7,470,100 Beef cows

## Cattle/calves operations

1-99 head (operations) 100-499 head (operations) 49,741 500+ head (operations)

## Cattle/calves # of head

25,700,000 8,500,000 5,855,000 15,897,600

### 8,481,000 Beef cows Cattle/calves operations 242,550

1-99 head (operations) 100-499 head (operations) **31,876** 

### Cattle/calves # of head

17,610,000 8,305,000 Calf crop Cattle on feed 115,000 8,794,000 Cattle sales 8,217,000 Beef cows

Cattle/calves operations

1-99 head (operations) 100-499 head (operations) **39,735** 

 
 14
 Wyoming 681
 Y -3.0%

 26
 1,250
 38
 5,762

 21
 69
 7
 217

 17
 941.5
 17
 \$1,006,907
 33 Pennsylvania 190 Y -11.6% 21 1,340 11 22,729 20 70 32 59 25 589.4 22 \$646,634 4 Nebraska
1,832 Y -2.6%
2 6,800 16 20,430
2 2,820 2 333
1 6,459 1 \$11,354,400 23 1,300 10 25,224 16 150 37 52 30 462 23 \$606,540 50 Rhode Island 1.1 A +10.0% 50 3.6 49 214 NA NA 50 17 50 1.2 50 \$522 31 Nevada 244 Y -0.4%
37 445 42 1,621
30 3 3 275
36 347 33 \$366,501 28 Utah
331 Y -4.1%
34 790 35 8,026
25 21 22 98
33 409 28 \$499,641 30 1,000 20 16,269 14 210 30 61 29 469 21 \$680,692 17 Colorado 638 Y -3.2% 10 2,650 22 14,914 5 1,160 10 178 4 2,689.5 4 \$4,219,877 **United States 30,125.1 Y -2.3**% 47 Connecticut
4.5 Y -10.0%

44 47 46 1,158

NA NA 43 41

44 16.2 44 \$14,452 882,692\* **91,901.6 ₹ -2.0%** 18 Virginia 599 Å +2.4% 20 1,390 13 21,880 27 17 29 64 26 572.5 32 \$381,428 14,692.6 A +0.2% 104\* ¥ -1.9% 6 Kansas 1,422 Y -2.4% 3 6,500 7 26,740 3 2,610 6 243 3 5,818 3 \$9,854,965 8 Kentucky 966 Y -0.7% 14 2,020 4 38,657 26 18 36 52 15 1,028 18 \$878,552 36 Arizona 171 Y -10.9% 31 960 37 7,057 11 274 13 136 24 601 20 \$753,933 3 Missouri
1,941 Y -4.6%
6 4,040 2 53,497
19 80 27 76
9 2,158 9 \$2,228,518 **54,651.7 \( \bigsim +4.2\) \( \bigsim \) \$72,873,644 \( \bigsim +15.5\)** 

48 18 50 118 NA NA 11 153 49 2.6 49 \$2,902

7 Montana 1,299 Y -6.5% 13 2,200 30 11,400 22 43 9 193 10 1,601 13 \$1,566,396

and operations by size

**U.S.** cattle

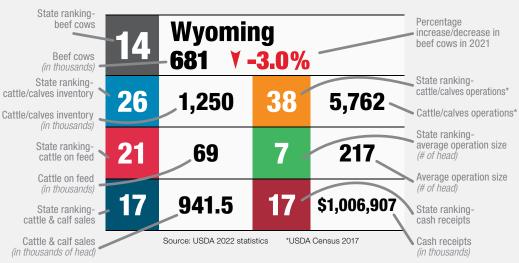
operations

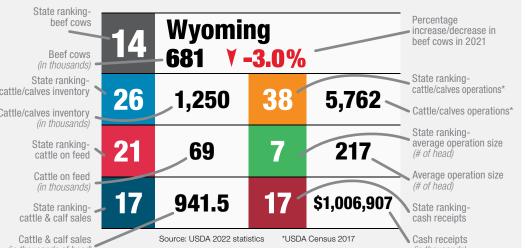
TOP TO					
Rank in growth	State	Change of head	2022	2017	Percent change
1	Oklahoma	+38,000	2,131,000	2,093,000	+1.8%
2	California	+25,000	680,000	655,000	+3.8%
2	Texas	+25,000	4,475,000	4,450,000	+0.6%
4	Nevada	+24,000	244,000	220,000	+10.9%
4	Ohio	+24,000	312,000	288,000	+8.3%
6	New Mexico	+8,000	453,000	445,000	+1.8%
7	Hawaii	+5,600	79,200	73,600	+7.6%
8	Pennsylvania	+5,000	190,000	185,000	+2.7%
8	Wisconsin	+5,000	295,000	290,000	+1.7%

Bottom 5	
Dank in	

Bottom 5							
Rank in growth	State	Change of head	2022	2017	Percent change		
46	Nebraska	-88,000	1,832,000	1,920,000	-4.6%	2022	
47	Missouri	-94,000	1,941,000	2,035,000	-4.6%	NASS	
48	Kansas	-148,000	1,422,000	1,570,000	-9.4%	USDA	
49	Colorado	-165,000	638,000	803,000	-20.5%		
50	Montana	-187,000	1,299,000	1,486,000	-12.6%	Source:	







# +3,100 7,800 4,700 +66.0%

19 Oregon 505 Y -3.8%
25 1,250 24 13,880
17 130 24 90
22 742 19 \$839,671

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