



MONTANA AGRICULTURAL FACTS 2022



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

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Montana Facts and Figures

Montana's 2020 population, at 1,084,225, was up 9.6 percent from 2010. Population density, measured in people per square mile, was 7.4 in 2020, eighth lowest in the United States. Montana's 58.1 million acres of land in farms and ranches ranks second in the nation behind Texas.

Montana Population ¹		Land and Land Utilization	
Total, 2020 Census	1,084,225	Montana Total Land Area, Square Miles ¹	145,546
People Per Square Mile	7.4	Montana Total Land Area, Acres ¹	93,149,312
		All Land in Farms & Ranches, Acres ²	58,122,878
		Proportion of Land in Farms & Ranches ²	62.4%

¹ 2020 U.S. Population Census.

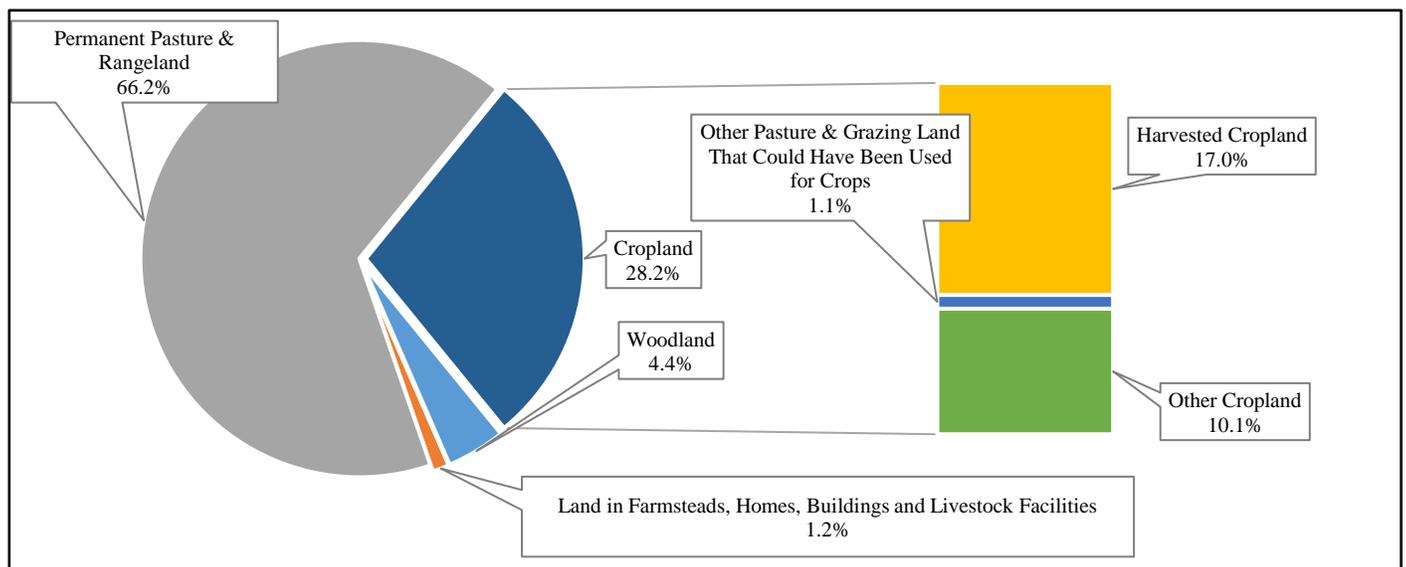
² 2017 U.S. Census of Agriculture.

Farm Financial Indicators ¹			(\$1,000)	
Number of Farms & Ranches	27,100		Value of Crop Production ²	\$1,495,094
Average Size of Farm or Ranch	2,137	acres	Value of Animals & Products Production ²	\$1,526,855
Gross Farm Income ²	\$5.27	billion	Farm-Related Income ²	\$1,279,127
Value of Agriculture Sector Production ²	\$4.30	billion	Net Farm Income ²	\$835,796

¹ Places with annual sales of agricultural products of \$1,000 or more.

² Source: USDA, Economic Research Service, Farm Financial Indicators State Rankings, September 1, 2022.

Land in Farms & Ranches: Utilization as a Percentage of Total



Source: 2017 Census of Agriculture

Montana Annual Crop Summary, 2021 & 2022

Crop	Planted Acres	Harvested Acres	Yield per Acre	Production	Season Average Price	Value of Production	U.S. Total Production
	(1,000)	(1,000)		(1,000)	(dollars)	(\$1,000)	(1,000)
Winter Wheat (bu).....2021	1,950.0	1,730.0	31.0	53,630	7.76	410,806	1,277,755
2022 ¹	2,050.0	1,800.0	33.0	59,400	9.05	537,570	1,103,707
Durum Wheat (bu).....2021	670.0	620.0	16.0	9,920	13.50	133,920	37,649
2022 ¹	710.0	675.0	28.0	18,900	11.90	224,910	63,981
Spring Wheat (bu).....2021	2,900.0	2,180.0	17.0	37,060	8.89	329,463	330,850
2022 ¹	2,700.0	2,440.0	25.0	61,000	9.30	567,300	482,190
All Wheat (bu).....2021	5,520.0	4,530.0	22.2	100,610	8.84	874,189	1,646,254
2022 ¹	5,460.0	4,915.0	28.3	139,300	9.50	1,329,780	1,649,878
Barley (bu) ²2021	970.0	650.0	38.0	24,700	6.27	154,869	120,090
2022 ¹	1,030.0	840.0	41.0	34,440	7.20	247,968	174,333
Oats (bu)2021	60.0	16.0	35.0	560	3.98	2,229	39,836
2022 ¹	85.0	24.0	38.0	912	7.75	7,068	57,655
Corn for Grain (bu) ³2021	120.00	60.0	100.0	6,000	6.90	41,400	15,073,820
2022 ¹	130.00	69.0	112.0	7,728	7.30	56,414	13,729,719
Corn for Silage (ton).....2021	--	47.0	18.0	846	--	--	129,429
2022 ¹	--	54.0	21.0	1,134	--	--	128,567
Flaxseed (bu)2021	135.0	99.0	5.0	495	23.30	11,534	2,718
2022 ¹	98.0	82.0	11.0	902	20.60	18,581	4,304
Sugar Beets (ton)2021 ¹	43.7	43.5	29.8	1,296	48.20	62,467	36,768
2022	33.6	33.5	30.5	1,022	--	--	32,574
Alfalfa Hay (ton) ²2021	--	1,550.0	1.70	2,635	228.00	600,780	49,245
2022 ¹	--	1,400.0	2.05	2,870	242.00	694,540	47,958
Other Hay (ton) ²2021	--	740.0	1.30	962	207.00	199,134	70,951
2022 ¹	--	890.0	1.40	1,246	226.00	281,596	64,843
All Hay (ton) ²2021	--	2,290.0	1.57	3,597	223.00	799,914	120,196
2022 ¹	--	2,290.0	1.80	4,116	239.00	976,136	112,801
Chickpeas (cwt).....2021	175.0	158.0	700.0	1,099	37.00	40,663	2,846
2022 ¹	187.0	177.0	770.0	1,357	33.40	45,324	3,658
Lentils (cwt)2021	530.0	400.0	530.0	2,120	35.00	74,200	3,417
2022 ¹	500.0	450.0	890.0	4,005	32.10	128,561	5,489
Dry Edible Peas (cwt).....2021	565.0	460.0	740.0	3,404	14.90	50,720	8,636
2022 ¹	535.0	495.0	1,440.0	7,128	13.20	94,090	15,092
Canola (lb).....2021	185.0	161.0	900.0	144,900	24.00	34,776	2,720,550
2022 ¹	180.0	168.0	1,030.0	173,040	25.90	44,817	3,821,810
Safflower (lb)2021	40.0	33.0	570.0	18,810	23.30	4,383	134,275
2022 ¹	44.0	35.0	590.0	20,650	28.70	5,927	164,054

-- Not Available

¹ Price and Value of Production are preliminary.

² Price of baled hay.

³ Planted for all purposes.

Selected Montana Livestock

Item	January 1, 2022	January 1, 2023	Percent of Previous Year
All Cattle & Calves..... (head)	2,210,000	2,160,000	98%
Cows & Heifers That Have Calved..... (head)	1,310,000	1,280,000	98%
Beef Cows..... (head)	1,299,000	1,270,000	98%
Milk Cows..... (head)	11,000	10,000	91%
Heifers 500 Pounds & Over			
For Beef Cow Replacement..... (head)	320,000	310,000	97%
For Milk Cow Replacement..... (head)	4,000	4,000	100%
Other Heifers..... (head)	186,000	186,000	100%
Steers 500 Pounds & Over..... (head)	210,000	215,000	102%
Bulls 500 Pounds & Over..... (head)	95,000	95,000	100%
Calves Less Than 500 Pounds..... (head)	85,000	70,000	82%
Cattle On Feed..... (head)	43,000	40,000	93%
Calf Crop ¹ (head)	1,310,000	1,270,000	97%

Item	January 1, 2022	January 1, 2023	Percent of Previous Year
All Sheep & Lambs..... (head)	190,000	190,000	100%
Breeding Sheep..... (head)	161,000	156,000	93%
Ewes..... (head)	122,000	118,000	97%
Rams..... (head)	5,000	5,000	100%
Replacement Lambs..... (head)	34,000	33,000	97%
Market Sheep & Lambs..... (head)	29,000	34,000	117%
Sheep..... (head)	1,000	2,000	200%
Lambs..... (head)	28,000	32,000	114%
Lamb Crop ¹ (head)	158,000	150,000	95%
Wool Production ¹ (lbs)	1,490,000	1,400,000	94%
Number of Sheep Shorn ¹ (head)	170,000	160,000	94%
Average Pounds per Fleece ¹ (lbs)	8.8	8.8	100%

Item	December 1, 2021	December 1, 2022	Percent of Previous Year
All Hogs & Pigs..... (head)	225,000	225,000	100%
Kept for Breeding..... (head)	47,000	50,000	106%
Market..... (head)	178,000	175,000	98%
Sows Farrowing Dec-Nov ¹ (head)	83,000	101,000	122%
Pig Crop Dec-Nov ¹ (head)	988,000	1,235,000	125%
Pigs per litter Dec-Nov ¹ (head)	11.90	12.23	103%

¹ Results are from one year previous to column header.

Market-Year-Average Prices Received by Montana Farmers ¹

Item	1995	2000	2005	2010	2019	2020	2021 ²	2022 ³
All Wheat..... (bu)	4.63	3.02	3.63	6.29	4.69	5.24	8.84	9.50
Winter Wheat..... (bu)	4.62	2.87	3.51	5.81	4.55	5.05	7.76	9.05
Spring Wheat..... (bu)	4.59	3.03	3.80	6.87	4.81	5.30	8.89	9.30
Durum Wheat..... (bu)	5.09	3.52	3.45	6.22	4.84	5.78	13.50	11.90
Barley..... (bu)	3.00	2.38	2.92	4.08	4.43	4.40	6.27	7.20
Oats..... (bu)	1.75	1.13	1.63	2.66	3.14	3.12	3.98	7.75
Alfalfa Hay..... (bu)	67.50	86.50	71.00	79.00	143.00	132.00	214.00	242.00
Milk, All..... (cwt)	13.30	12.80	15.30	16.90	18.60	18.60	18.10	--
Wool..... (lbs)	1.23	0.37	0.98	1.60	2.50	2.20	2.20	2.25

-- Not Available

¹ Crops are season average prices for each crop's respective marketing year. Other prices are averages weighted by monthly sales.

² Revised.

³ Preliminary.

Rank in Agriculture: Montana's Rank among States, 2022

Commodity	Unit	Montana		Leading State		United States
		Rank	Production	State	Production	
Field Crops						
Barley.....	(1,000 bu)	3	34,440	Idaho	59,940	174,333
Lentils.....	(1,000 cwt)	1	4,005	Montana	4,005	5,489
Dry Edible Peas	(1,000 cwt)	1	7,128	Montana	7,128	15,092
Chickpeas	(1,000 cwt)	1	1,357	Montana	1,357	3,658
Small Chickpeas	(1,000 cwt)	2	390	Washington	399	1,072
Large Chickpeas	(1,000 cwt)	1	967	Montana	967	2,586
Canola.....	(1,000 lbs)	3	173,040	North Dakota	3,248,700	3,821,810
Corn, Grain	(1,000 bu)	36	7,728	Iowa	2,480,000	13,729,719
Corn, Silage	(1,000 tons)	25	1,134	Wisconsin	19,800	128,567
Flaxseed	(1,000 bu)	2	902	North Dakota	3,402	4,304
Hay, All.....	(1,000 tons)	9	4,116	Texas	6,528	112,801
Hay, Alfalfa	(1,000 tons)	3	2,870	Idaho	4,558	47,958
Hay, Other	(1,000 tons)	18	1,246	Texas	6,150	64,843
Oats	(1,000 bu)	15	912	North Dakota	13,490	57,655
Safflower.....	(1,000 lbs)	2	20,650	California	110,250	164,054
Sugarbeets	(1,000 tons)	5	1,022	Minnesota	11,077	32,574
Wheat, All	(1,000 bu)	4	139,300	North Dakota	299,900	1,649,878
Wheat, Other Spring.....	(1,000 bu)	3	61,000	North Dakota	263,000	482,190
Wheat, Durum.....	(1,000 bu)	2	18,900	North Dakota	31,200	63,981
Wheat, Winter	(1,000 bu)	5	59,400	Kansas	244,200	1,103,707
Livestock ¹						
All Cattle & Calves	(1,000 head)	13	2,160	Texas	12,500	89,274
All Cows ²	(1,000 head)	9	1,280	Texas	4,950	38,320
Calf Crop	(1,000 head)	9	1,270	Texas	4,550	34,465
Beef Cows ²	(1,000 head)	7	1,270	Texas	4,300	28,918
Milk Cows ²	(1,000 head)	36	10	California	1,725	9,403
Milk Production	(mil lbs)	37	223	California	41,787	226,462
Cattle on Feed ³	(1,000 head)	23	40	Nebraska	2,780	14,157
All Chickens (Excl Broilers)	(1,000 head)	32	1,589	Texas	54,758	513,005
All Layers.....	(1,000 head)	32	1,203	Iowa	40,410	377,606
Egg Production ⁴	(mil eggs)	30	389	Iowa	12,198	109,514
All Hogs & Pigs	(1,000 head)	21	225	Iowa	23,600	73,119
Breeding Hogs & Pigs	(1,000 head)	18	50	Iowa	930	6,154
Pig Crop ⁴	(1,000 head)	18	1,235	Iowa	22,784	131,788
Market Hogs & Pigs.....	(1,000 head)	21	175	Iowa	22,670	66,966
Honey Production	(1,000 lbs)	7	6,669	Iowa	28,325	126,744
All Sheep & Lambs	(1,000 head)	8	190	Texas	675	5,020
Breeding Sheep & Lambs.....	(1000 lambs)	7	156	Texas	540	3,665
Lamb Crop	(1,000 head)	7	150	Texas	345	3,110
Market Sheep & Lambs	(1,000 head)	10	135	Texas	250	1,355
Wool Production	(1,000 lbs)	7	1,400	California	2,230	22,224
Miscellaneous						
Farms	(number)	30	27,100	Texas	246,000	2,002,700
Land in Farms.....	(1,000 acres)	2	57,900	Texas	126,000	893,400
Average Size of Farm	(acres)	2	2,137	Wyoming	2,395	446

¹ Inventory January 1, 2023 for cattle and sheep; December 1, 2022 for hogs and chickens.

² Cows and heifers that have calved.

³ Feedlots greater than 1,000 head.

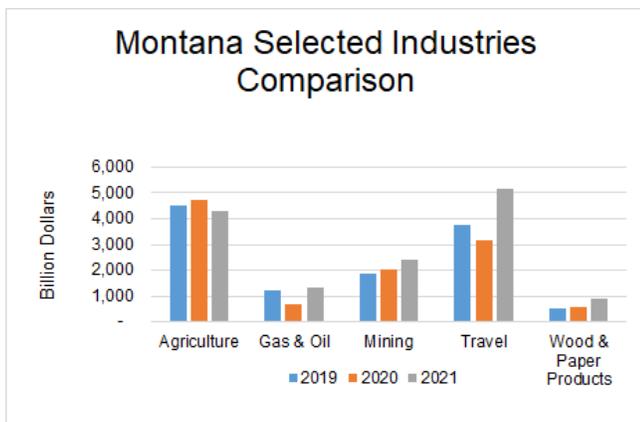
⁴ Pig crop & Egg production for the marketing Year December 1, 2021-November 30, 2022.

Agriculture in Montana

The data provided by Montana producers for NASS surveys lets us know what is produced in Montana - from corn and wheat to cattle and sheep. NASS data help expand access to resources for Montana farmers and ranchers to make business decisions and to diversify into new markets.

Agriculture is consistently Montana's leading industry with a \$4.3 billion impact in 2021.

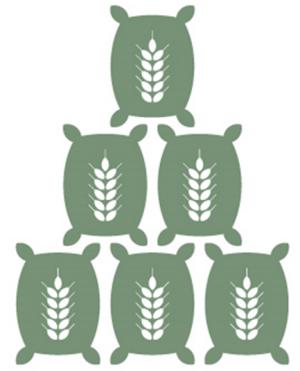
\$45.3 million greater than the next leading industry, travel.



2,331,927,000

The value of crop production in Montana in 2021.

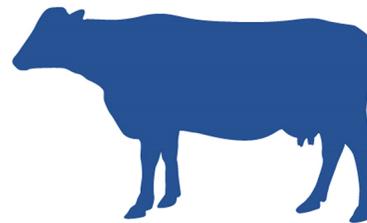
Up 4% from 2020.



Data Source: ers.usda.gov as of 2/7/23

\$1,844,927,000

The value of livestock production in Montana in 2021.



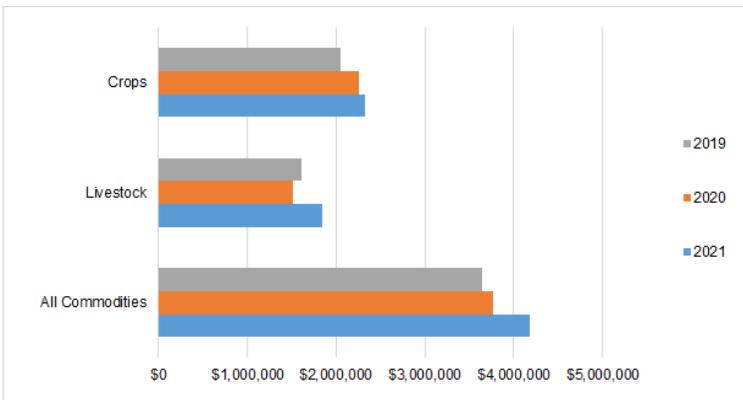
Up 22% from 2020.

Data Source: ers.usda.gov as of 2/7/23

Total cash receipts from the sale of principal products increased in 2021 to \$4.18 billion.

Cash receipts were 11% higher than 2020.

Montana Cash Receipts from Sales of Principal Products



Data Source: ers.usda.gov as of 2/7/23

Chouteau

The top ranking county in Montana for winter wheat production in 2022.

Chouteau county produced 11,358,000 bushels of winter wheat, that is 62 percent more than the next largest county, Hill.



Beaverhead

Remains the top ranking county in Montana for all cattle inventory on January 1, 2023.

With 105,000 head of cattle, Beaverhead had 5,000 more head of cattle than the next largest cattle county, Fergus.



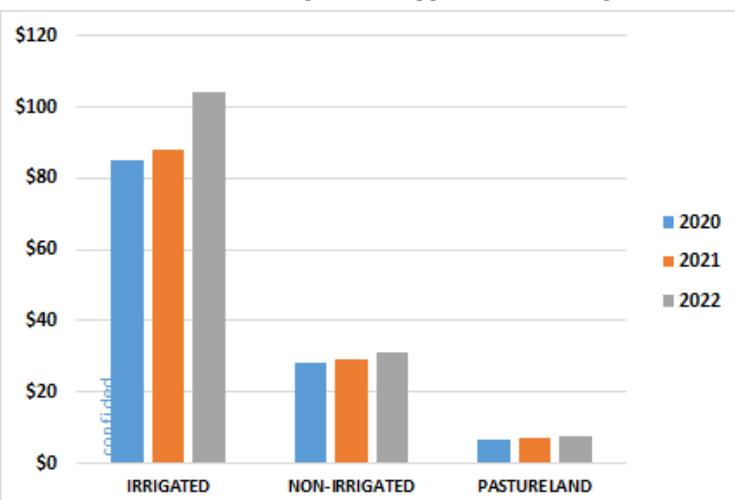
27,100

The number of Montana farms and ranches in 2022.



This includes all farms and ranches with \$1,000 or more in annual sales (or normally would) of agricultural products each year.

Montana Cash Rents by Land Type in Dollars per Acre



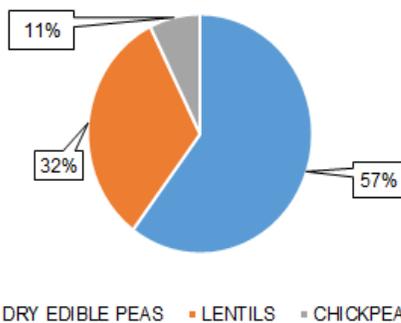
Pulse Production in Montana

The data provided by Montana producers for NASS surveys lets us know what is happening with pulse crop production in Montana - from dry beans and peas to lentils. NASS data help expand access to resources for Montana farmers to make business decisions and to diversify into these new and growing markets.

In 2022, Montana was a top producer in the U.S. of Dry Edible Peas, Chickpeas, and Lentils.

Montana produced 12.5 million hundredweight of these three crops in 2022.

Montana's 2022 Production of Selected Pulse Crops in Hundredweight



\$94,090,000

The value of dry edible pea production in Montana in 2022.

Up 86% from 2021.



Sheridan

The top ranking county in Montana for dry edible pea production in 2022 with 1,527,000 hundredweight produced.

Up 175% from 2021.



Sheridan

The top ranking county in Montana for chickpea production in 2022 with 148,000 hundredweight produced.

Down 21% from the top producing county in 2021, Choteau.



1,122,200

The number of harvested acres for pulse crops in Montana in 2022.

Up 10% from 2021.



Sheridan

The top ranking county in Montana for lentil production in 2022 with 1,098,000 hundredweight produced.

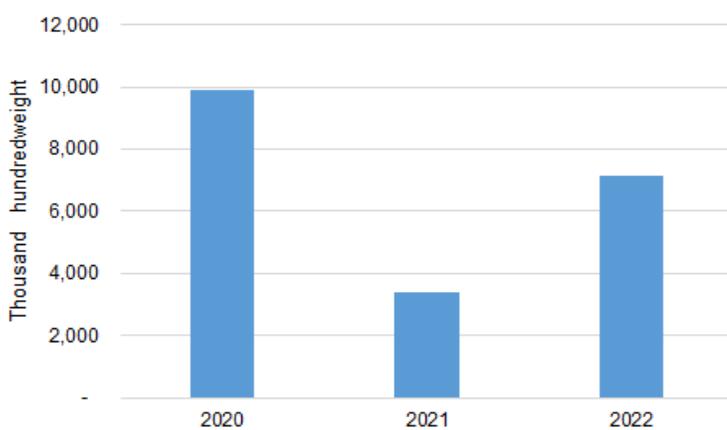
Up 95% from 2021.



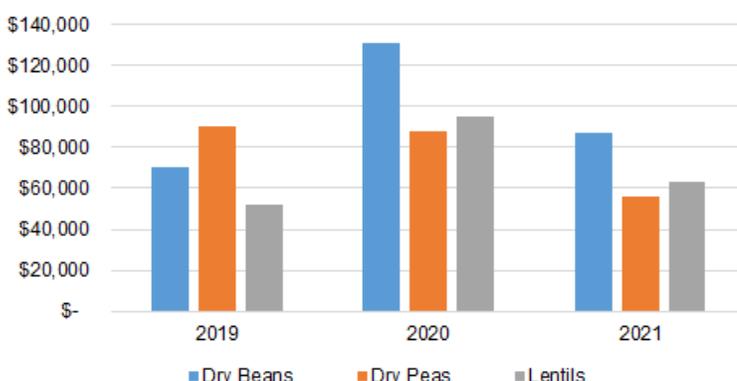
Dry Edible Pea production in 2022 at 7,128,000 hundredweight increased 109% from 2021.

Production in 2022 of Chickpeas is up 23% and Lentil production in 2022 is up 89% from the 2021 crop year.

Dry Edible Peas - Montana



Montana Pulse Crop Cash Receipts



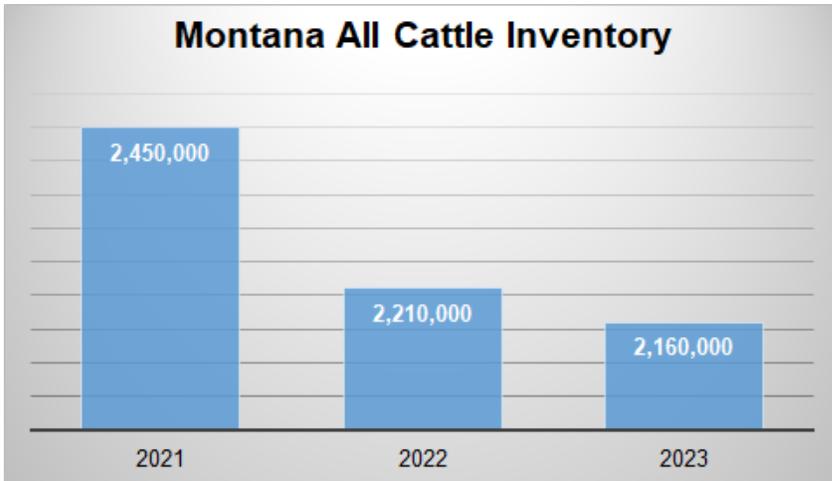
Data source ers.usda.gov as of 2/7/23.



Montana Cattle Production

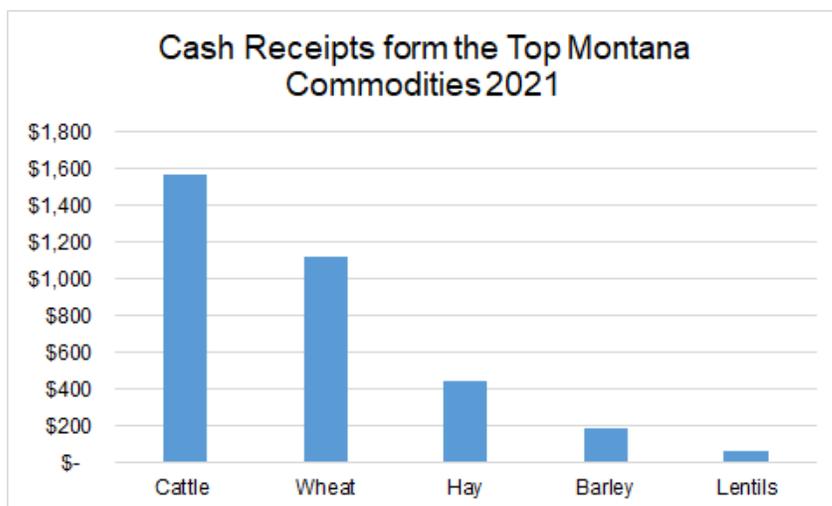
The data provided by Montana ranchers for NASS surveys lets us know what is happening in livestock production in Montana - from inventory and calf crop to feed and grazing fees. NASS data help expand access to resources for Montana producers to make business decisions and to diversify into new markets.

Montana's 2023 cattle inventory, at 2,160,000 head is down 50,000 head from 2022.



Death losses in 2022 for cattle, at 26,000 head, was unchanged from 2021, while the death loss for calves increased to 62,000 head in 2022 from 2021's 61,000 head.

Cattle ranked #1 in Montana's cash receipts by commodity in 2021.



Data Source: ers.usda.gov as of 2/7/23

Cattle receipts have been the highest ranking commodity in Montana since 2013.

In 2021, \$442,027 or 40% more than wheat receipts, the next highest commodity.

52,452,000

The number of pounds of commercially produced red meat in Montana in 2022.



2,000 cattle were slaughtered on farm in 2021.

Commercially slaughtered red meat was up 6% from 2021 while on-farm slaughter of cattle was unchanged from 2021.

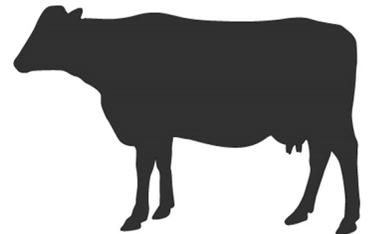
Beaverhead



The top cattle inventory county in Montana on January 1, 2023 with 105,000 head of cattle.

1,270,000

The number of calves born in 2022 in Montana.



Montana's calf crop decreased 40,000 head from a year ago.

Montana Alfalfa Hay production ranked #3 in the nation at 2,870,000 tons in 2022.



Texas is the top ranked state, at 6,528,000 tons.

Montana All Hay production ranked #9 in the nation at 4,116,000 tons in 2022.

The top ranked state is Texas at 6,150,000 tons.

\$26.50



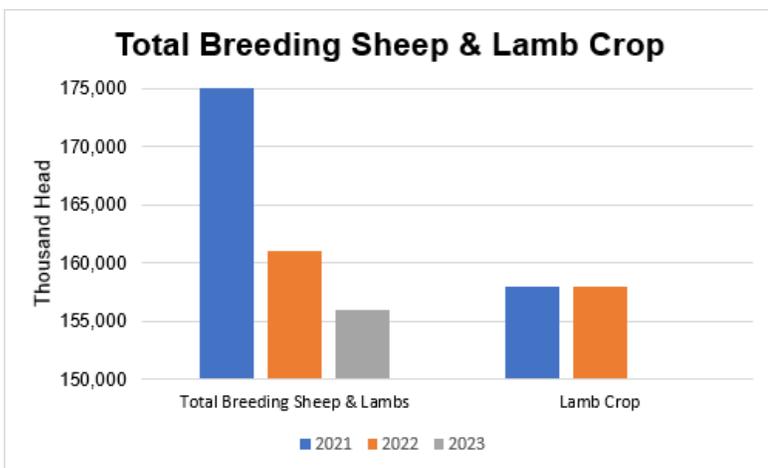
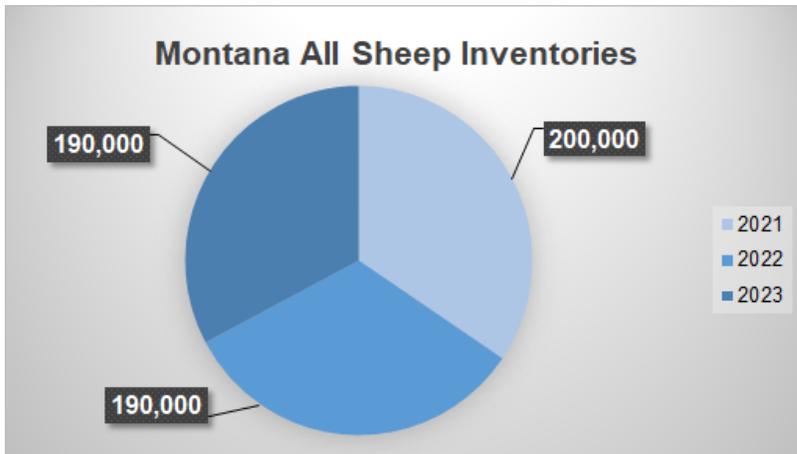
Montana Grazing fees annual average rate per animal unit.

Ranchers paid an average \$28.00 per cow-calf pair per month, unchanged from the previous year, and \$26.50 per head per month in 2022, up \$.50 from 2021.

Montana Sheep Production

The data provided by Montana ranchers for NASS surveys lets us know what is happening in livestock production in Montana - from inventory and lamb crop to feed and wool production. NASS data help expand access to resources for Montana producers to make business decisions and to diversify into new markets.

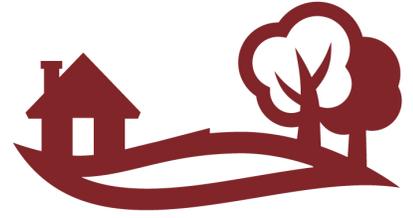
Montana's January 1, 2023 inventory was unchanged from the 2022 inventory of 190,000 total head.



2023 estimates for lamb crop will not be available until January of 2024.

1,383

The number of agricultural operations in Montana who reported an inventory of sheep and lambs in 2017.



There were 27,048 agricultural operations total in Montana, according to the 2017 Census of Agriculture.

Carter



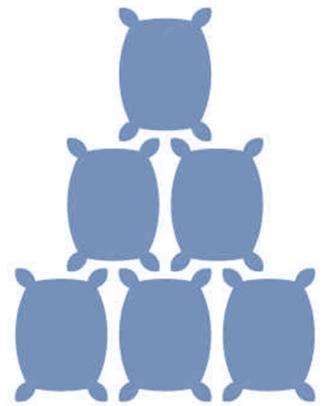
The top sheep inventory county in Montana on January 1, 2023 with 18,000 head of sheep.

Unchanged from January 1, 2022.

\$3,150,000

The value of wool production in Montana in 2022.

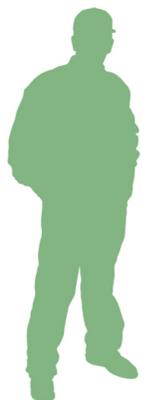
1,400,000 pounds of wool were produced in Montana in 2022. Value was down 4% and production was down 6%.



55 to 64 Age Group

The age group with the largest number of sheep producers in Montana according to the 2017 Census of Agriculture.

The next largest age group is 65-74.



\$7.80

The average annual cash rent for an acre of pasture in Montana in 2022.

The average annual cash rent rose \$0.60 over the 2021 average of \$7.20.