

# Milk Production

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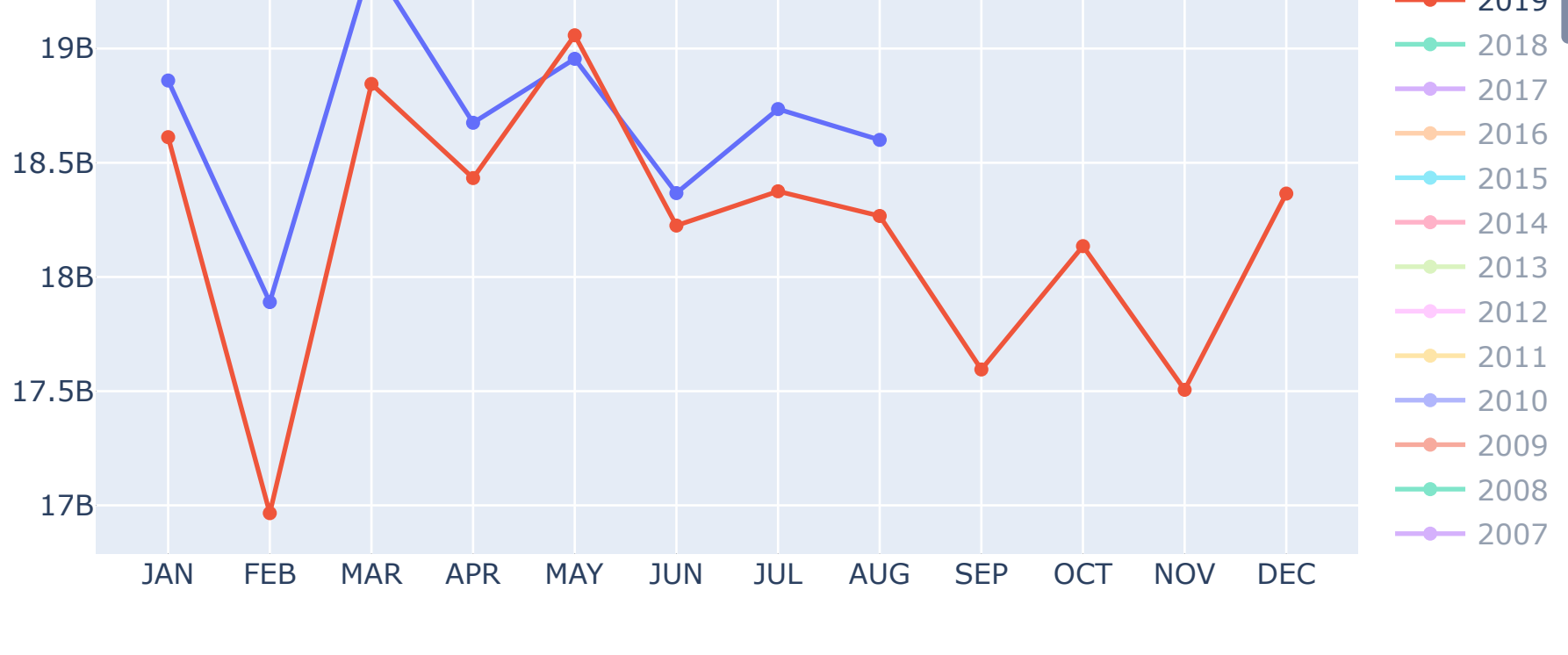
## [Month] Milk Production [up/down] [#.#] Percent.

Milk production in the United States during [MONTH] totaled [##.# order of magnitude] pounds, [up/down] [#.#] percent from [MONTH] [LAST YEAR].

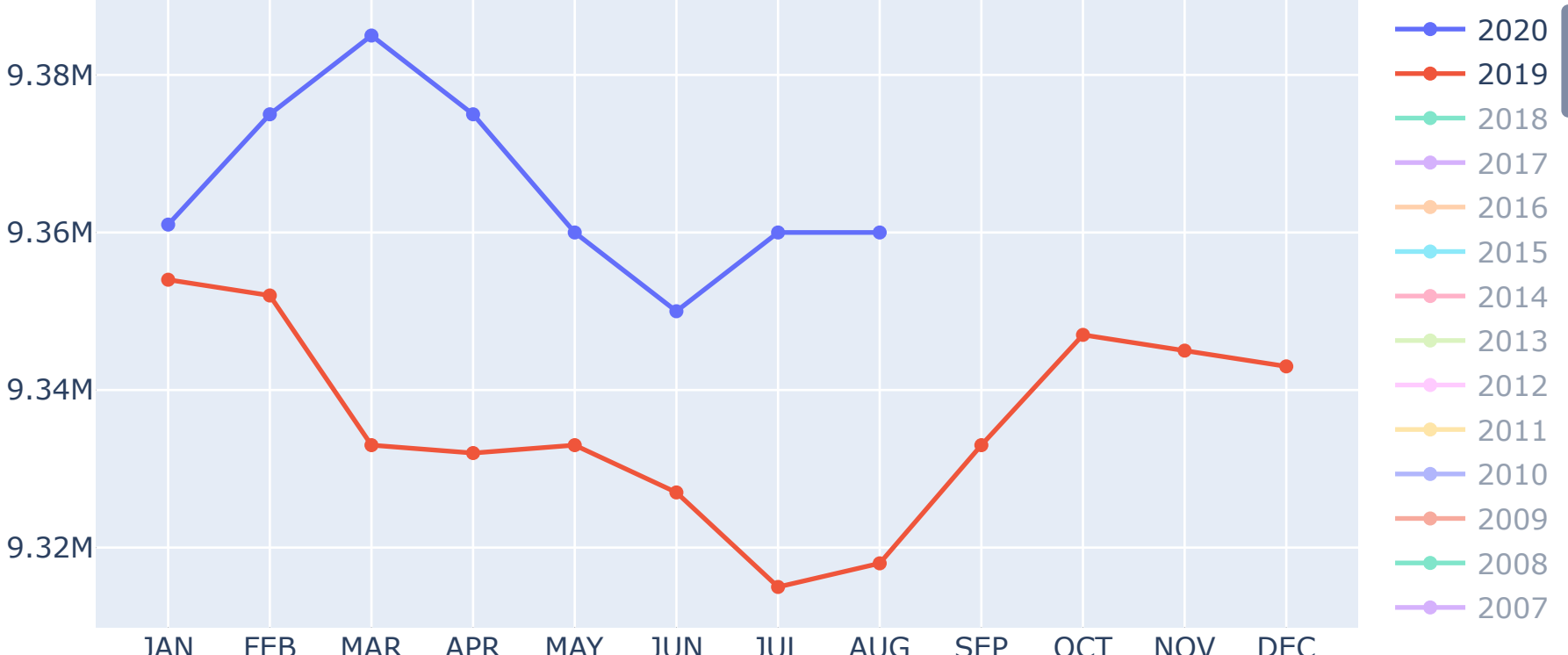
Production per cow in the United States averaged [#.###] pounds for [MONTH], [##] pounds [above/below] [MONTH LAST YEAR].

The number of milk cows on farms in the United States was [#.## order of magnitude] head, [##.###] head more than [MONTH LAST YEAR], but [unchanged from/above/below] [LAST MONTH]

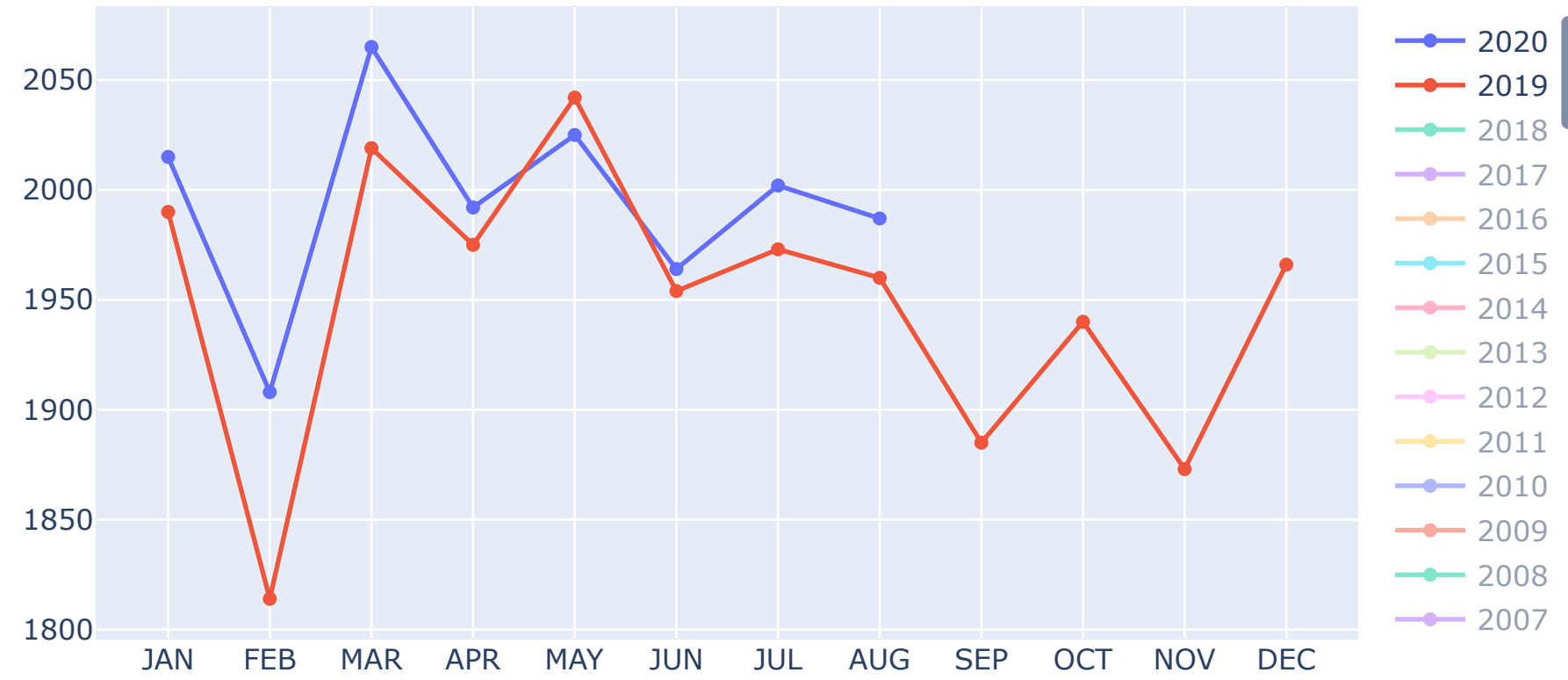
## Monthly Milk Production Lbs - National



## Monthly Milk Cows - National



## Monthly Milk Per Cow - National



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Values in tables may not add due to rounding. Blank cells indicate estimation period has not yet begin

## Milk Cows and Production by Quarter -- United States: 2019-2020

Quarter	2019 Milk Cows	2020 Milk Cows	2019 Milk Per Cow	2020 Milk Per Cow	2019 Milk Production (lbs)	2020 Milk Production (lbs)	2020 Milk Production (lbs) Percent Change from 2019
1	8,805,000	8,834,000	2,010	2,033	17,699,000,000	17,956,000,000	0.015
2	8,803,000	8,848,000	1,833	1,925	16,132,000,000	17,031,000,000	0.056
3	8,789,000		2,038		17,916,000,000	18,455,000,000	
4	8,788,000		1,996		17,544,000,000	17,778,000,000	

Agg	Sum 2019 Milk Cows	Sum 2020 Milk Cows	Sum 2019 Milk Per Cow	Sum 2020 Milk Per Cow	Sum 2019 Milk Production (lbs)	Sum 2020 Milk Production (lbs)	Avg 2020 Milk Production (lbs) Percent Change from 2019
Annual	35,185,000	17,682,000	7,877	3,958	69,291,000,000	71,220,000,000	0.04

## Milk Cows and Production by Month -- States: 2019-2020

Month	2019 Milk Cows	2020 Milk Cows	2019 Milk Per Cow	2020 Milk Per Cow	2019 Milk Production (lbs)	2020 Milk Production (lbs)	2020 Milk Production (lbs) Percent Change from 2019
1	8,805,000	8,834,000	2,010	2,033	17,699,000,000	17,956,000,000	0.015
2	8,803,000	8,848,000	1,833	1,925	16,132,000,000	17,031,000,000	0.056
3	8,789,000	8,857,000	2,038	2,084	17,916,000,000	18,455,000,000	0.03
4	8,788,000	8,852,000	1,996	2,008	17,544,000,000	17,778,000,000	0.013
5	8,790,000	8,836,000	2,063	2,043	18,137,000,000	18,049,000,000	-0.005
6	8,784,000	8,827,000	1,974	1,981	17,342,000,000	17,486,000,000	0.008
7	8,785,000	8,829,000	1,997	2,016	17,542,000,000	17,800,000,000	0.015
8	8,789,000		1,984		17,439,000,000		
9	8,805,000		1,908		16,796,000,000		
10	8,819,000		1,962		17,299,000,000		
11	8,817,000		1,894		16,699,000,000		
12	8,816,000		1,987		17,517,000,000		

Annual	Sum Month	Sum 2019 Milk Cows	Sum 2020 Milk Cows	Sum 2019 Milk Per Cow	Sum 2020 Milk Per Cow	Sum 2019 Milk Production (lbs)	Sum 2020 Milk Production (lbs)	Avg 2020 Milk Production (lbs) Percent Change from 2019
Aggregate	78	105,590,000	61,883,000	23,646	14,090	208,062,000,000	124,555,000,000	0.02

## Estimated Milk Cows and Production by Month -- United States: 2019-2020

Month	2019 Milk Cows	2020 Milk Cows	2019 Milk Per Cow	2020 Milk Per Cow	2019 Milk Production (lbs)	2020 Milk Production (lbs)	2020 Milk Production (lbs) Percent Change from 2019
1	8,805,000	8,834,000	2,010	2,033	17,699,000,000	17,956,000,000	0.015
2	8,803,000	8,848,000	1,833	1,925	16,132,000,000	17,031,000,000	0.056
3	8,789,000	8,857,000	2,038	2,084	17,916,000,000	18,455,000,000	0.03
4	8,788,000	8,852,000	1,996	2,008	17,544,000,000	17,778,000,000	0.013
5	8,790,000	8,836,000	2,063	2,043	18,137,000,000	18,049,000,000	-0.005
6	8,784,000	8,827,000	1,974	1,981	17,342,000,000	17,486,000,000	0.008
7	8,785,000	8,829,000	1,997	2,016	17,542,000,000	17,800,000,000	0.015
8	8,789,000		1,984		17,439,000,000		
9	8,805,000		1,908		16,796,000,000		
10	8,819,000		1,962		17,299,000,000		
11	8,817,000		1,894		16,699,000,000		
12	8,816,000		1,987		17,517,000,000		

Annual	Sum Month	Sum 2019 Milk Cows	Sum 2020 Milk Cows	Sum 2019 Milk Per Cow	Sum 2020 Milk Per Cow	Sum 2019 Milk Production (lbs)	Sum 2020 Milk Production (lbs)	Avg 2020 Milk Production (lbs) Percent Change from 2019
Aggregate	78	105,590,000	61,883,000	23,646	14,090	208,062,000,000	124,555,000,000	0.02

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## Tidy Data - Long Format

Long format makes it very easy to automatically generate correlation analyses (scatter plots showing change of one variable as a function of another)

## Monthly National Tidy Data - Long Format

Milk Cows	Milk Production Lbs	Milk Per Cow	Period	Year	Month
9,361,000	18,860,000,000	2,015	JAN	2020	1
9,375,000	17,890,000,000	1,908	FEB	2020	2
9,385,000	19,380,000,000	2,065	MAR	2020	3
9,375,000	18,675,000,000	1,992	APR	2020	4
9,360,000	18,955,000,000	2,025	MAY	2020	5
9,350,000	18,367,000,000	1,964	JUN	2020	6
9,360,000	18,735,000,000	2,002	JUL	2020	7
9,360,000	18,600,000,000	1,987	AUG	2020	8
9,354,000	18,612,000,000	1,990	JAN	2019	1
9,352,000	16,966,000,000	1,814	FEB	2019	2
9,333,000	18,845,000,000	2,019	MAR	2019	3
9,332,000	18,433,000,000	1,975	APR	2019	4
9,333,000	19,058,000,000	2,042	MAY	2019	5
9,327,000	18,225,000,000	1,954	JUN	2019	6
9,315,000	18,375,000,000	1,973	JUL	2019	7
9,318,000	18,267,000,000	1,960	AUG	2019	8
9,333,000	17,595,000,000	1,885	SEP	2019	9
9,347,000	18,135,000,000	1,940	OCT	2019	10
9,345,000	17,506,000,000	1,873	NOV	2019	11
9,343,000	18,365,000,000	1,966	DEC	2019	12