Agricultural Markets Situation and Outlook

April 15, 2021



Use the Q&A tool to ask questions



North Dakota Land Values and Cash Rents for Pasture and Cropland

Bryon Parman

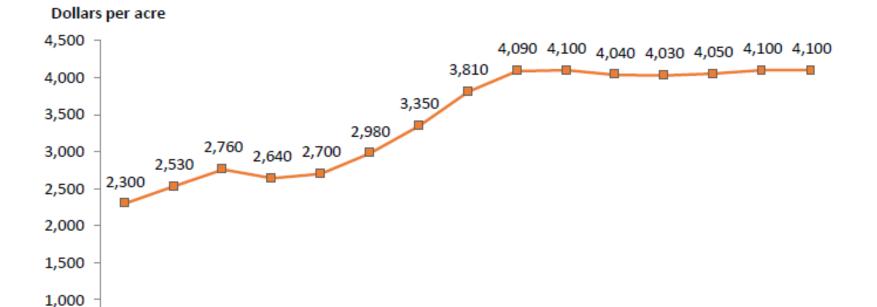
Cell – 701-261-5919

Bryon.Parman@ndsu.edu





Average Cropland Value – United States: 2006-2020



2011 2012 2013 2014 2015

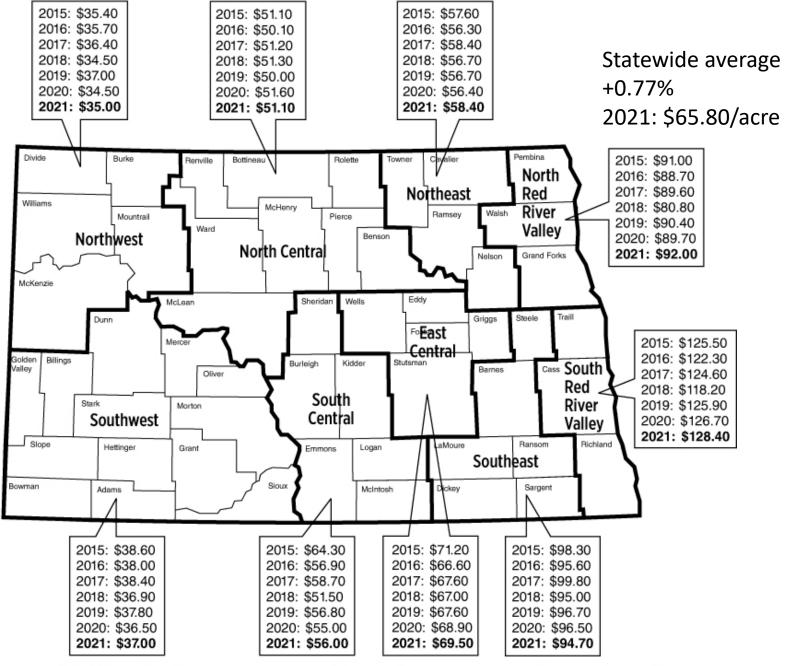
2016

2017

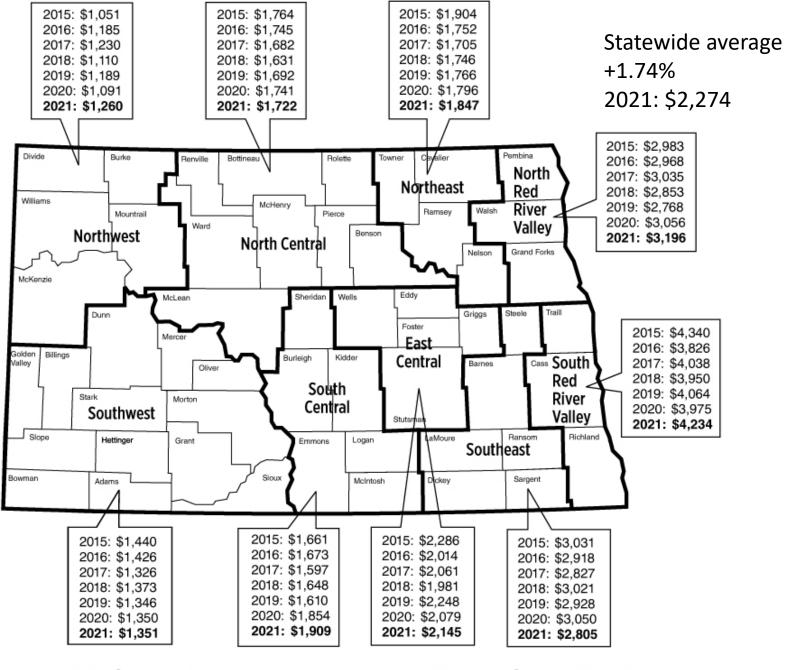
USDA - NASS August 6, 2020



500



Estimated average cash rent per acre of cropland in North Dakota from 2015 to 2021.



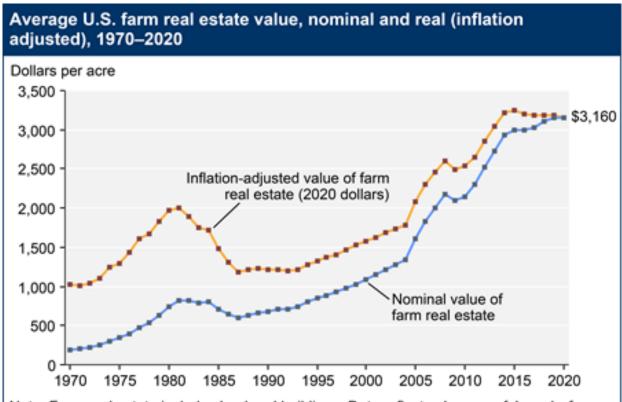
Estimated average per-acre values of cropland in North Dakota from 2015 to 2021.

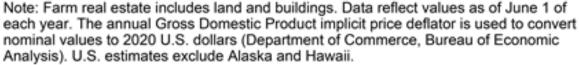
2021 North Dakota Land Values

	Rental Rate	Land Value	Percent Rent Change	Percent Land Value Change
Northwest	\$35.00	\$1,260	1.32%	15.50%
North-central	\$51.10	\$1,722	-1.00%	-1.06%
Northeast	\$58.40	\$1,847	3.56%	2.83%
North Valley	\$92.00	\$3,196	2.65%	4.59%
Southwest	\$37.00	\$1,351	1.36%	0.06%
South-central	\$56.00	\$1,909	1.95%	2.97%
Southeast	\$94.70	\$2,805	-1.88%	-8.03%
South Valley	\$128.40	\$4,234	1.40%	6.52%
East-central	\$69.50	\$2,145	0.81%	3.20%



August 2020 USDA Farm land Values



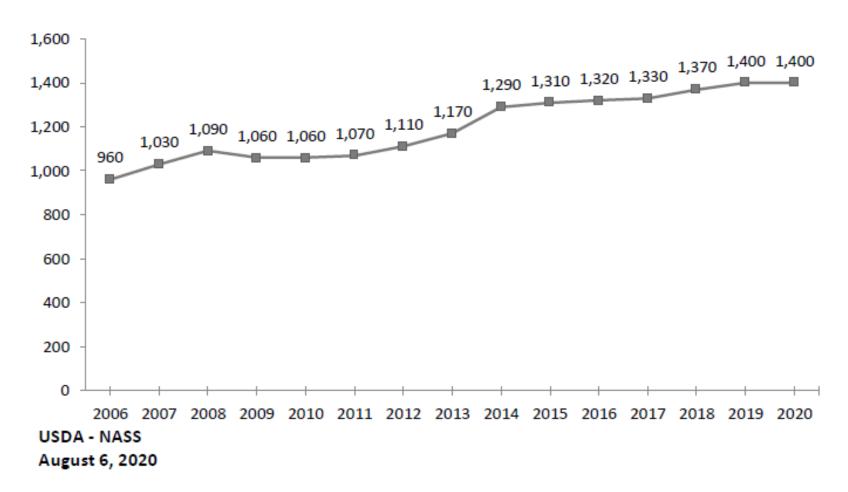


Source: USDA, Economic Research Service using annual national agricultural land value estimates from USDA, National Agricultural Statistics Service, QuickStats.

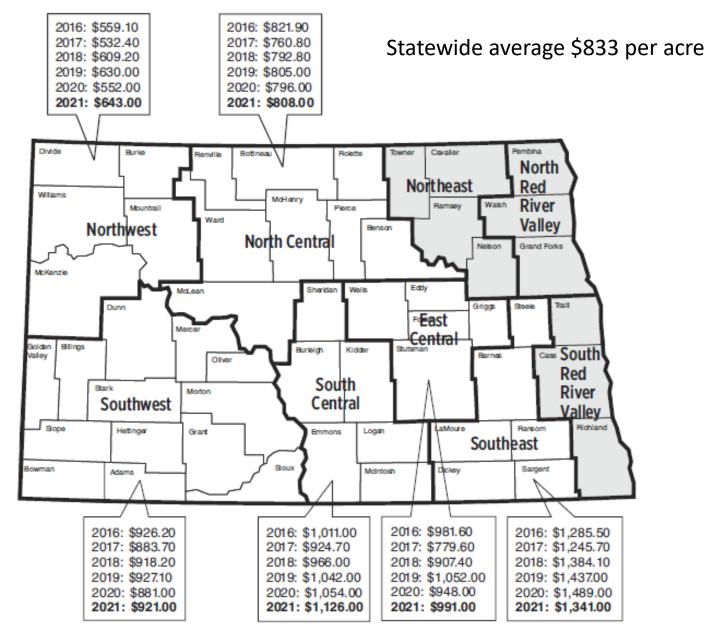


Average Pasture Value - United States: 2006-2020

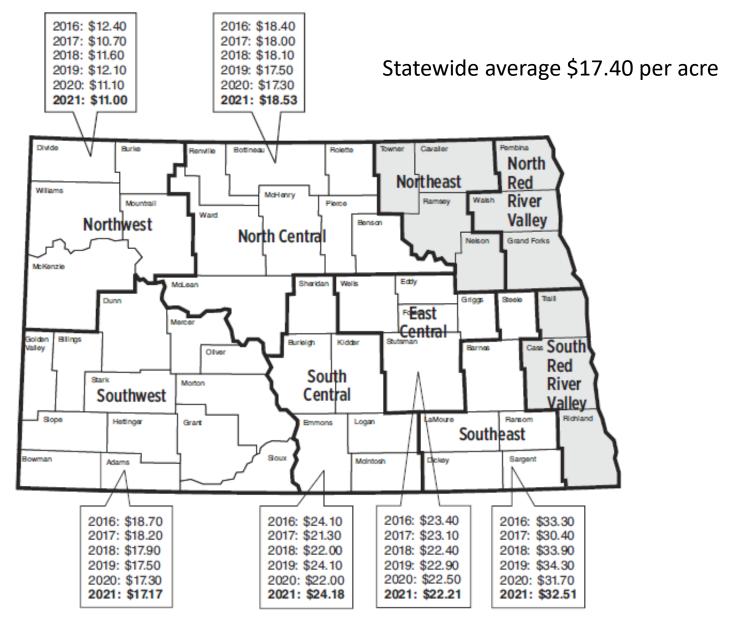
Dollars per acre





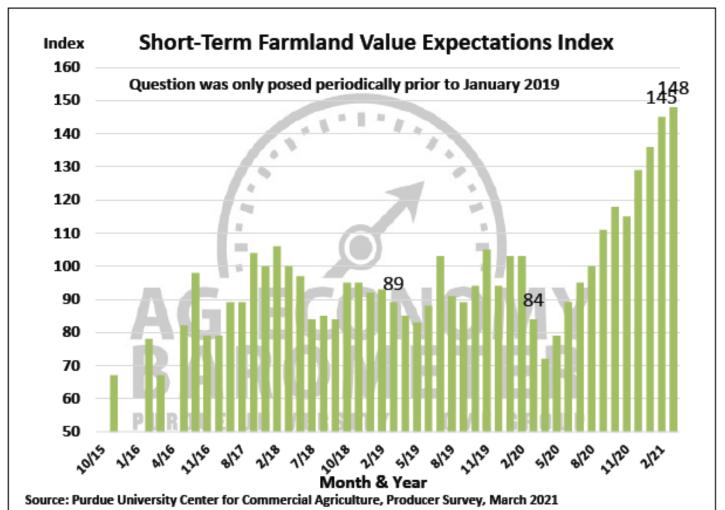


Estimated average per acre values of pasture in North Dakota from 2016 to 2021.



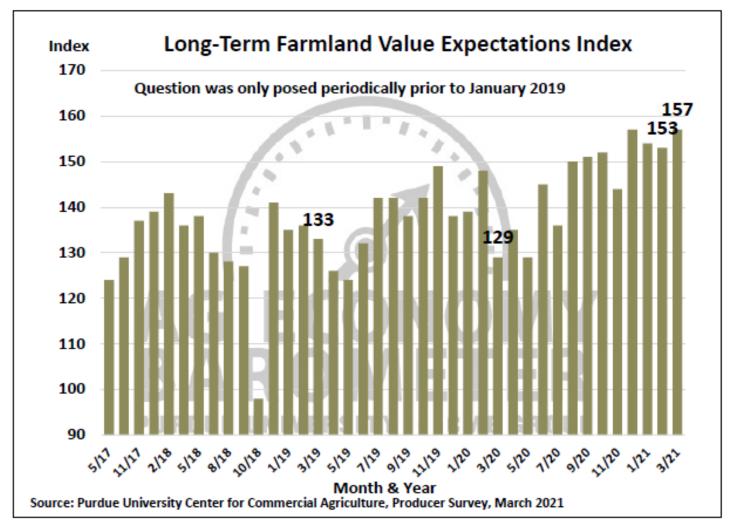
Estimated average cash rent per acre of pasture in North Dakota from 2016 to 2021.

Purdue Ag Economy Barometer – 12 Month





Purdue Ag Economy Barometer 5-Year

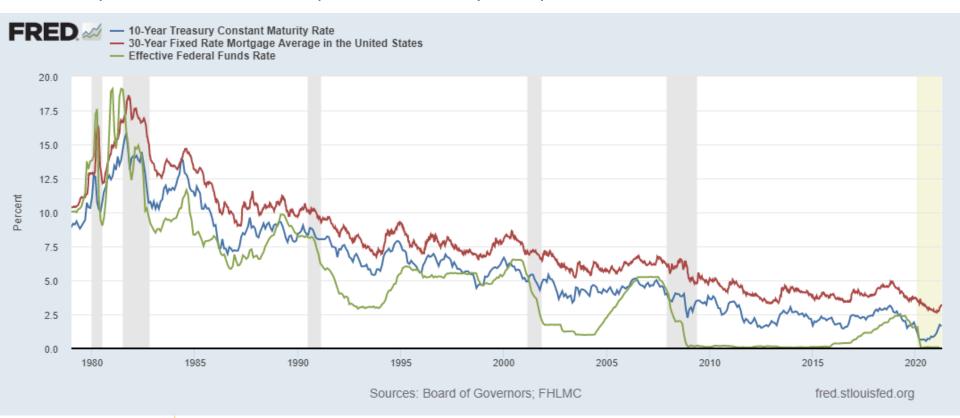




Interest Rates

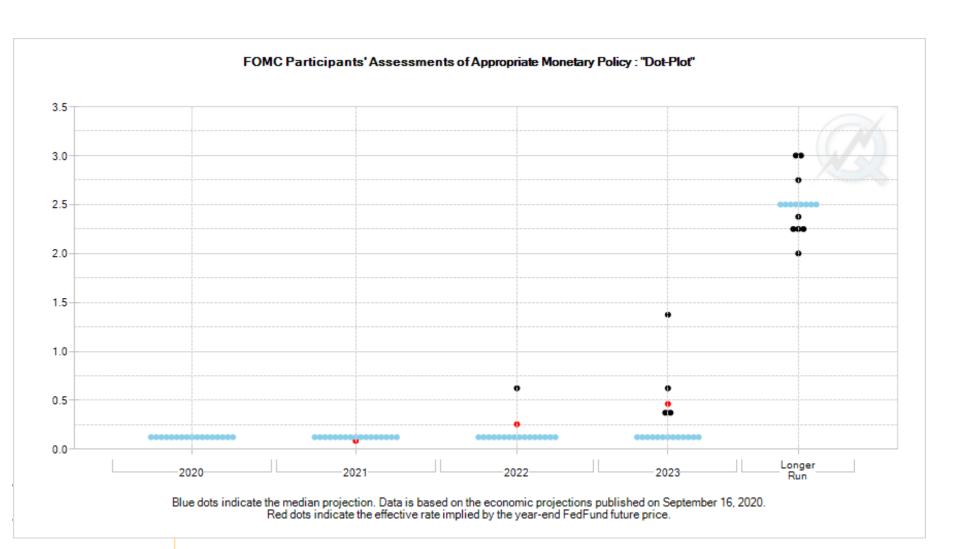
The 30 yr mortgage rate averages +150 to +170 basis points above the 10 yr T-bond

The 10 yr T-bond moves 37 points for every 100 point movement in the FFR





FOMC Projected Future FFR



General Comments

- Crop and Pasture land in ND has still not quite reached the high water mark set over 6 years ago.
- Inflation has eroded land values further than the nominal prices
- Few farmers in recent surveys say they intend to buy more land with the improvement in net farm incomes
- Corn belt farmers bullish on farmland values
- Rising interest rates put downward pressure on land values and upward pressure on cash rents



Tracking Crop Growing Conditions

Frayne Olson

Crop Economist/ Marketing Specialist

frayne.olson@ndsu.edu

701-231-7377 (o)

701-715-3673 (c)

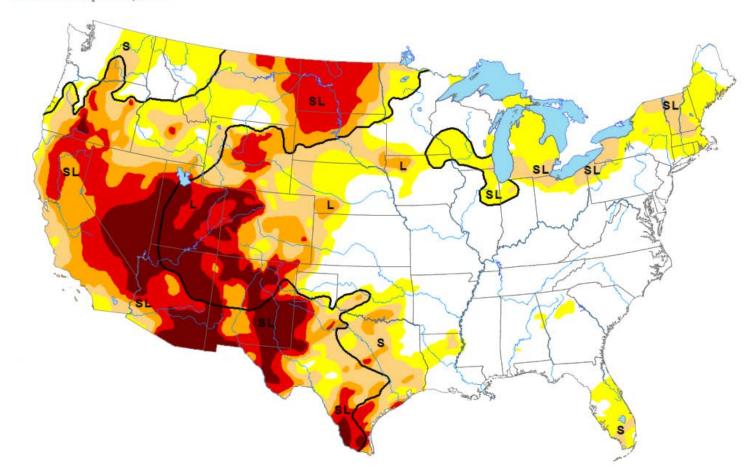




U.S. Drought Monitor

Map released: April 15, 2021

Data valid: April 13, 2021





U.S. Drought Monitor

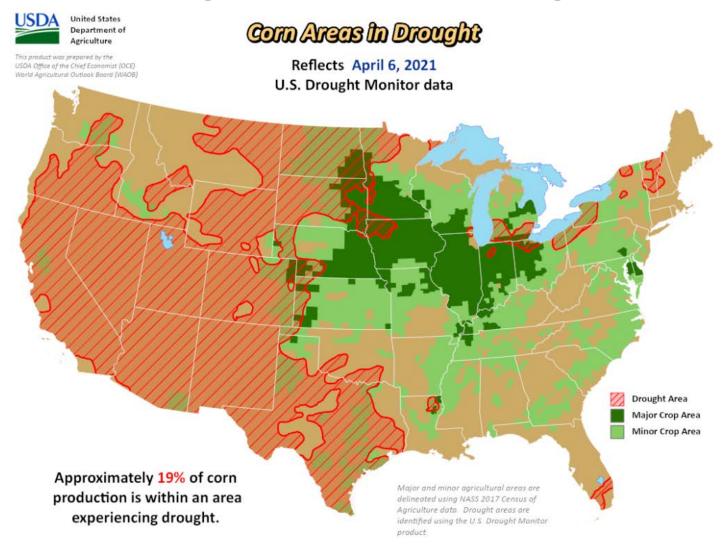
 Updated weekly and released every Thursday morning.

• Search Term – "US Drought Monitor".

• URL - https://droughtmonitor.unl.edu/



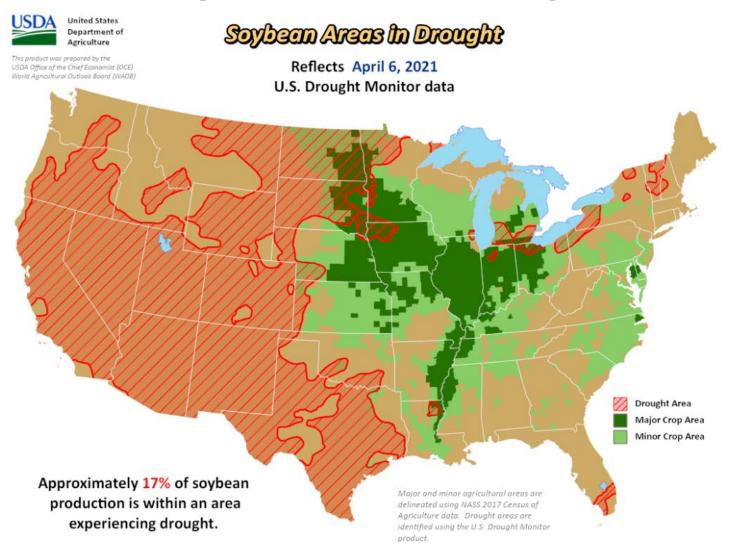
USDA – US Agriculture Drought Monitor





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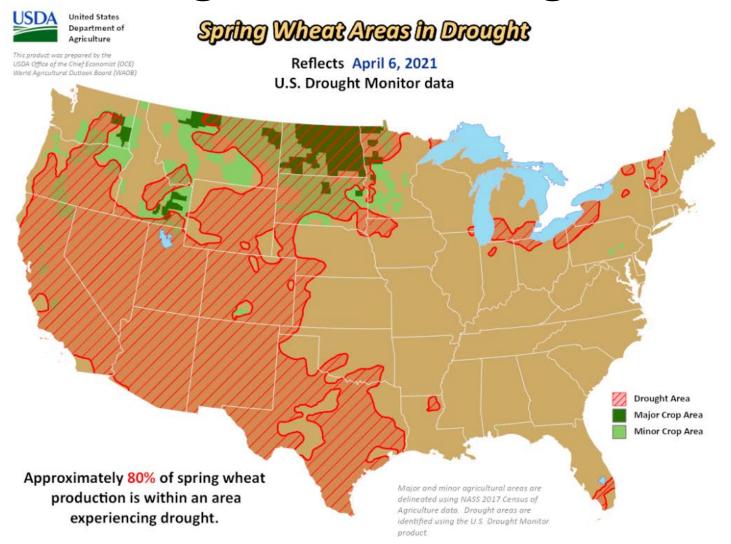
USDA – US Agriculture Drought Monitor





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USDA – US Agriculture Drought Monitor





U.S. Drought Monitor

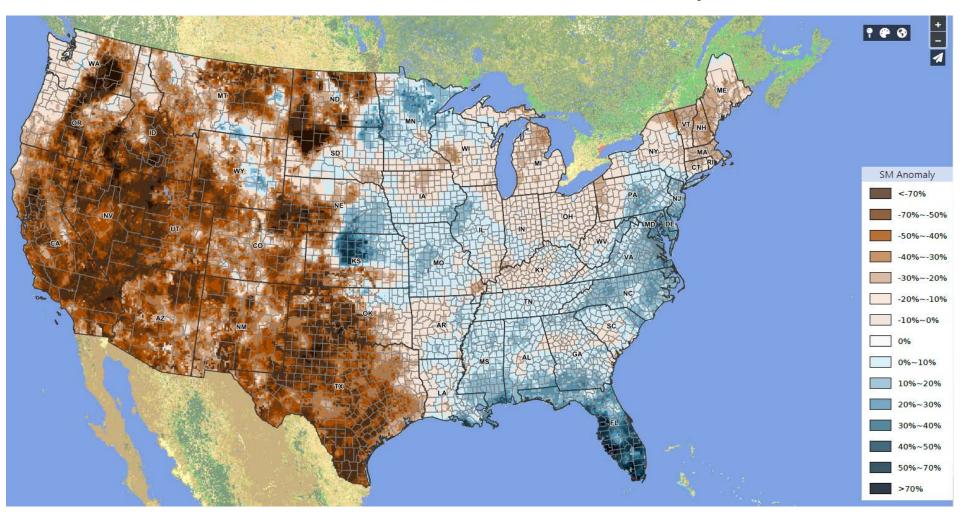
Updated weekly and released every Thursday afternoon.

Search Term – "USDA Agriculture in Drought".

 URL -<u>https://www.usda.gov/sites/default/files/documents/AgInDrought.pdf</u>

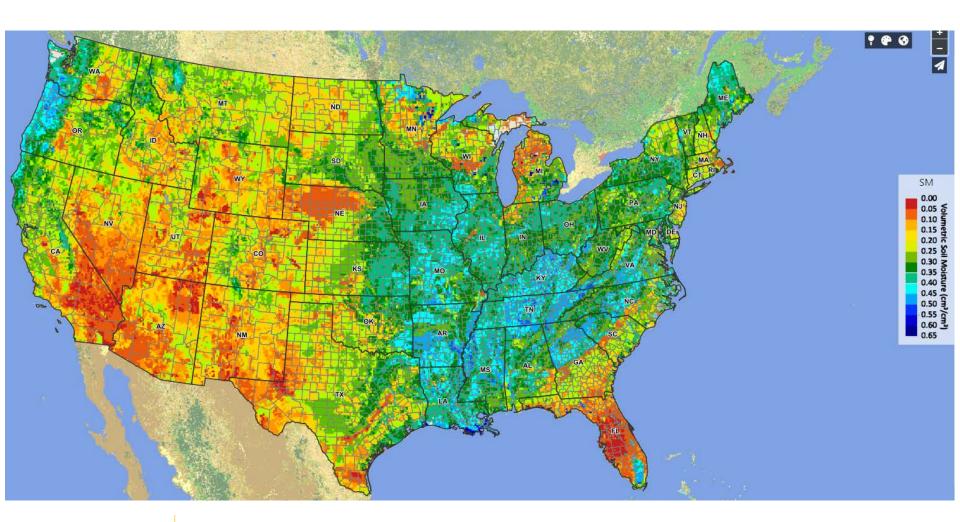


USDA – Crop –CASMA Soil Moisture Anomaly



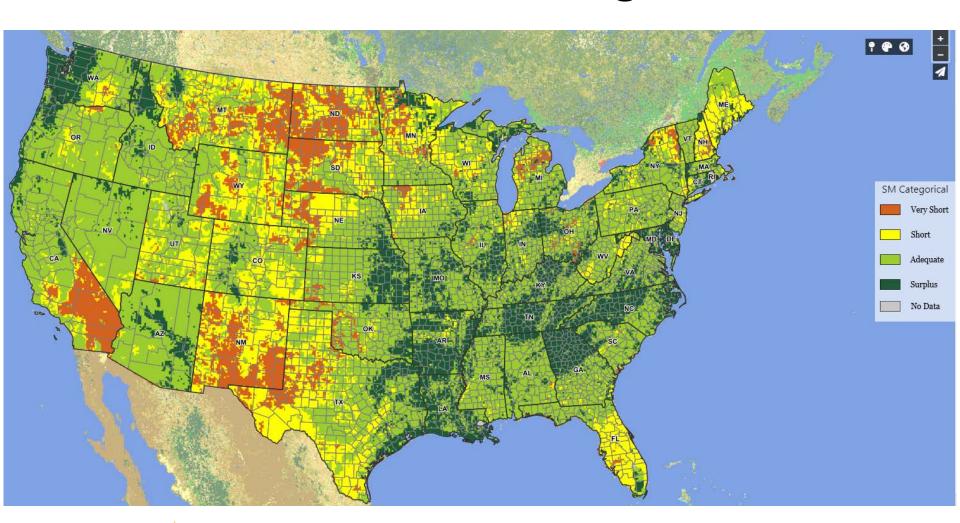


USDA – Crop –CASMA Soil Moisture



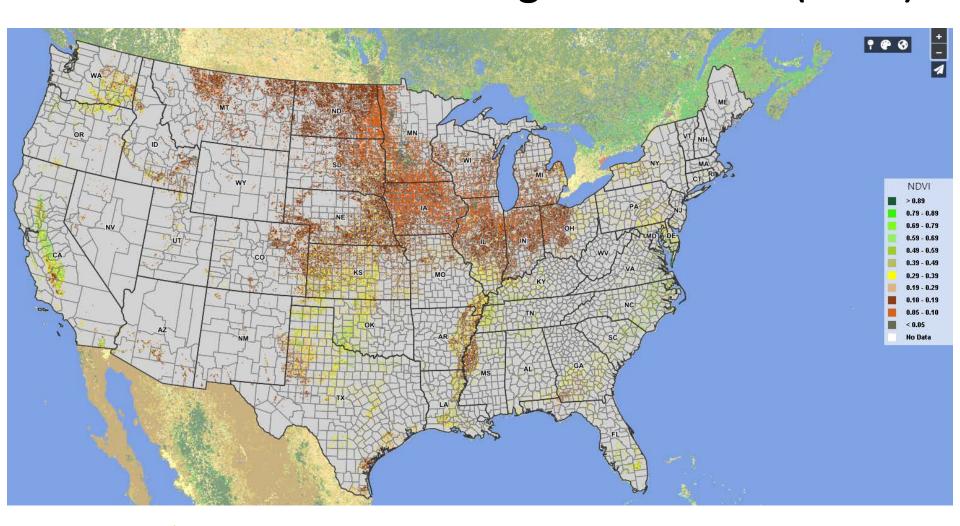


USDA – Crop –CASMA Soil Moisture - Categorical



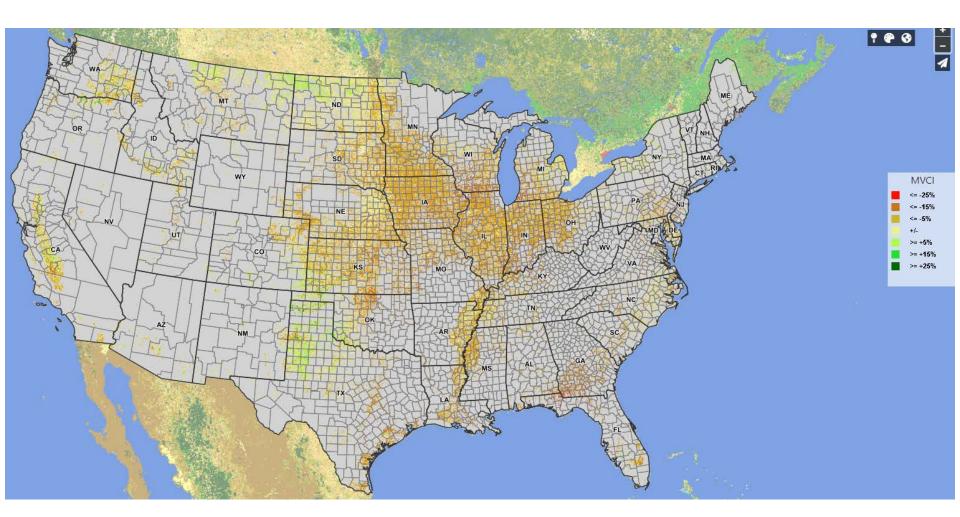


USDA — Crop —CASMA Normalized Difference Vegetative Index (NDVI)





USDA – Crop –CASMA Mean Vegetative Condition Index (MVCI)





USDA – Crop - CASMA

Updated daily or weekly (with a delay)

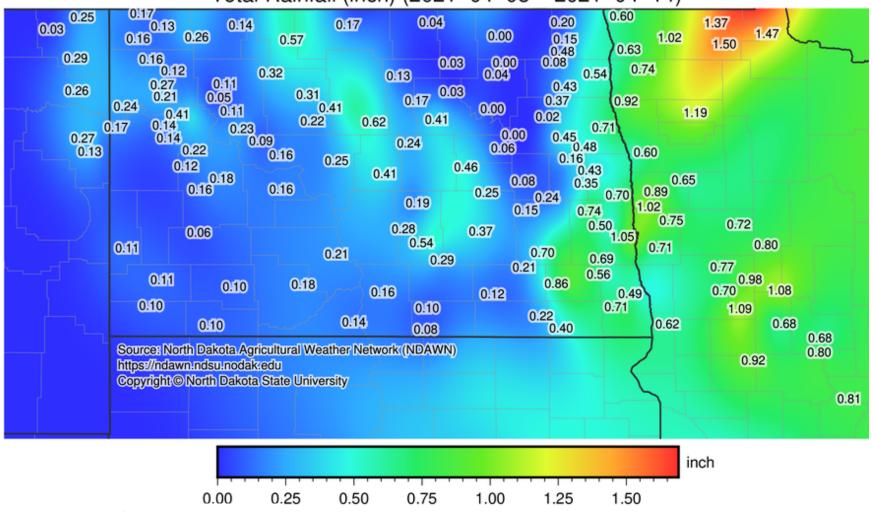
Search Term – "USDA Crop CASMA".

 URL https://www.nass.usda.gov/Research and Science/



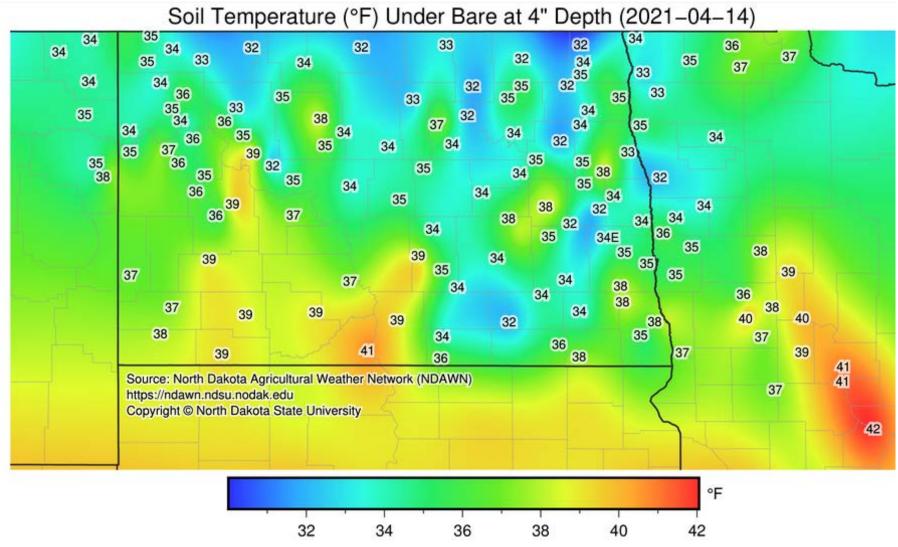
ND Agricultural Weather Network (NDAWN)







ND Agricultural Weather Network (NDAWN)





ND Agricultural Weather Network (NDAWN)

Updated hourly

• Search Term – "ND Agricultural Weather Network".

URL - https://ndawn.ndsu.nodak.edu/



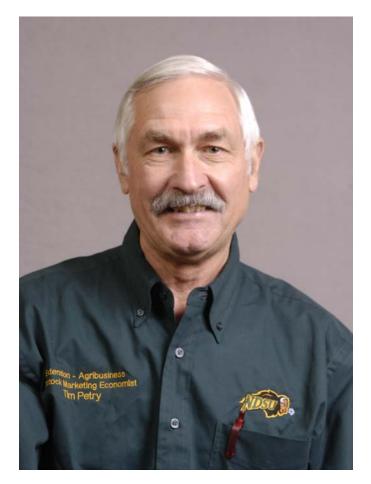
LIVESTOCK PRICE SITUATION AND OUTLOOK

Tim Petry

Extension Livestock Marketing Economist

Tim.Petry@ndsu.edu

www.ndsu.edu/livestockeconomics





MED. FRAME #1 STEER CALF PRICES 550-600 Pounds, N.D., Weekly

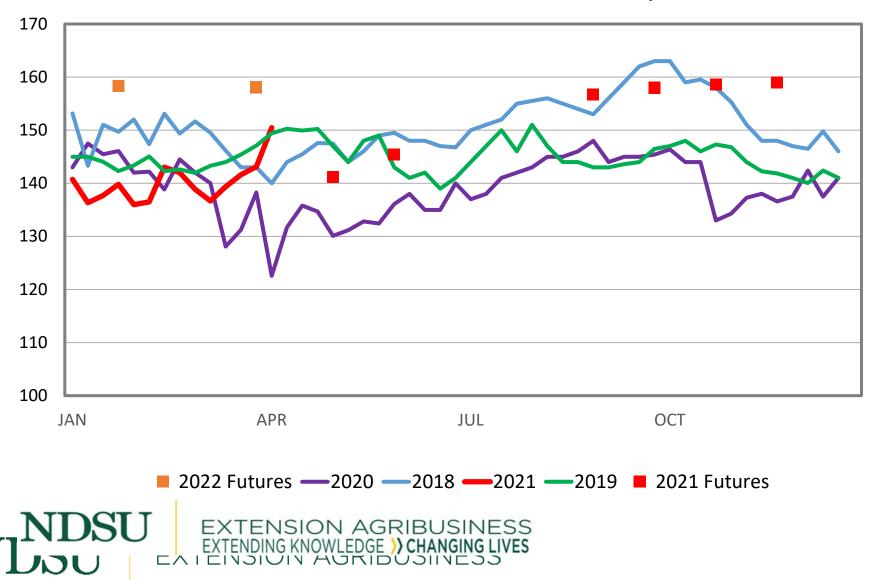




EXTENSION AGRIBUSINESS EXTENDING KNOWLEDGE) CHANGING LIVES

MED. & LRG. #1 FEEDER STEER PRICES

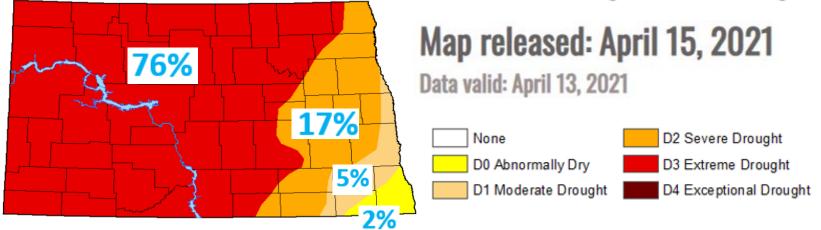
750-800 Pounds, N.D., Weekly



USDA Farm Service Agency U.S. DEPARTMENT OF AGRICULTURE

DISASTER ASSISTANCE

LFP - Livestock Forage Disaster Program



Monthly payments for a county if the following occurs during the normal grazing period in any part of the county:

ND: Apr 15-Oct 15

- 1 mo. D2 intensity in any area of the county for eight or more consecutive weeks
- 3 mo. D3 intensity in any area of the county for at least one week
- 4 mo. Either a D4 intensity for at least one week, or a D3 intensity for at least four weeks. The weeks do not have to be consecutive.
- 5 mo. D4 intensity for at least four weeks. The weeks do not have to be consecutive.

2020 Monthly Payments were \$18/cow Burleigh, Morton, Oliver counties 1 payment



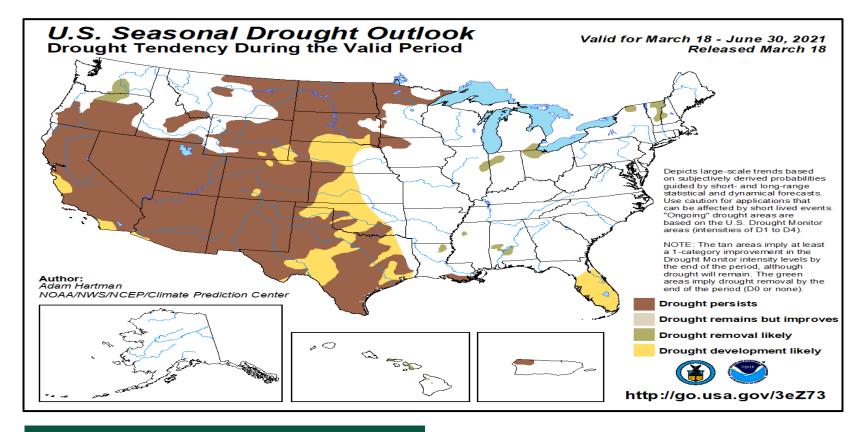
EXTENSION AGRIBUSINESS EXTENDING KNOWLEDGE)) CHANGING LIVES

https://droughtmonitor.unl.edu/fsa/FsaEligibilityState2014.aspx

FSA Livestock Forage Disaster Program Eligibility Tool

Number of counties affected: 43

State	County	McKenzie County
ND	Adams County	McLean County
ND	Benson County	Mercer County
ND	Billings County	Morton County
ND	Bottineau County	Mountrail County
ND	Bowman County	Nelson County
ND	Burke County	Oliver County
ND	Burleigh County	Pembina County
ND	Cavalier County	Pierce County
ND	Divide County	Ramsey County
ND	Dunn County	Renville County
ND	Eddy County	Rolette County
ND	Emmons County	Sheridan County
ND	Foster County	Sioux County
ND	Golden Valley County	Slope County
ND	Grant County	Stark County
ND	Hettinger County	Stutsman County
ND	Kidder County	Towner County
ND	LaMoure County	Walsh County
ND	Logan County	Ward County
ND	McHenry County	Wells County
ND	McIntosh County	Williams County



NDSU EXTENSION Navigating Drought Webinars

Join us the last Thursdays of the month

Apr 29, 2021 01:00 PM May 27, 2021 01:00 PM Jun 24, 2021 01:00 PM

Juli 24, 2021 01.00 FW

Jul 29, 2021 01:00 PM

Aug 26, 2021 01:00 PM

Sep 30, 2021 01:00 PM

www.ag.ndsu.edu/drought

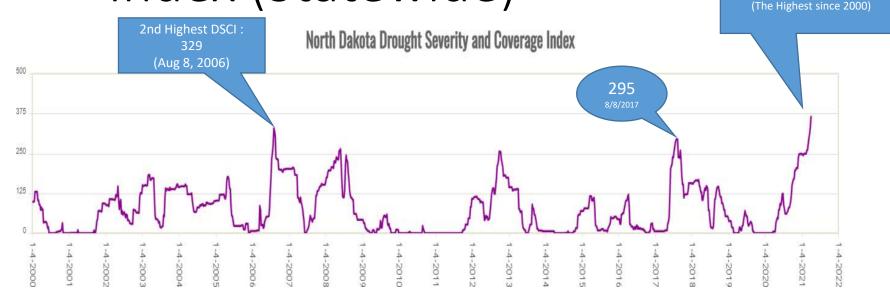


Adnan Akyuz, Ph.D.

NDSU, AES

State Climatologist

Drought Severity and Coverage Index (Statewide)

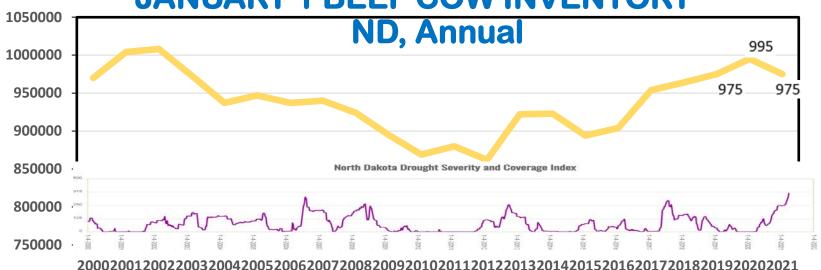


Drought Severity and Coverage Index = $A_{DO} + 2A_{D1} + 3A_{D2} + 4A_{D3} + 5A_{D4}$ (Akyüz, 2007)

Where: A is a % of the state covered under the corresponding D-severity

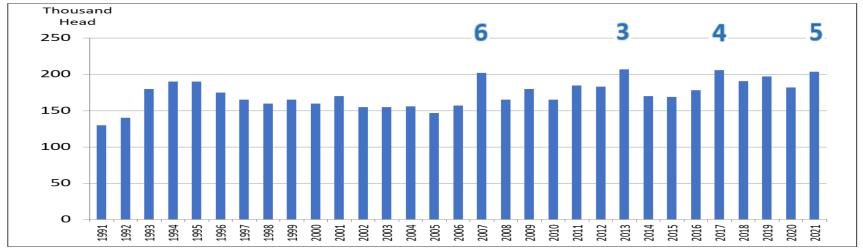


JANUARY 1 BEEF COW INVENTORY



HEIFERS HELD AS BEEF COW REPLACEMENTS

January 1, ND





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North Dakota Weekly Cattle Auction Summary AMS Livestock, Poultry, & Grain Market News North Dakota Dept of Ag Mrkt News

		or an Dano	Боргол 6		ı
HEIFERS -	Medium and La	irge 1 (Per Cv	vt / Actual Wt)		
Head	Wt Range	Avg Wt	Price Range	Avg Price	
10	360-382	380	175.00-184.00	183.15	
32	401-436	414	164.00-174.00	166.10	
137	463-494	480	155.00-170.00	165.36	
202	516-549	540	150.00-167.75	162.35	
365	551-598	575	143.00-165.10	156.87	
412	603-643	617	138.25-153.50	149.82	
486	652-699	672	133.00-148.00	142.98	
16	687	687	139.00	139.00	Replacement
373	700-748	727	129.50-141.00	137.10	
126	705-744	716	136.50-143.00	141.08	Replacement
270	754-799	770	123.00-134.75	130.99	
92	760-791	782	134.75-144.50	137.43	Replacement
278	800-848	830	119.00-132.25	128.88	
71	804-842	825	128.75-133.00	130.56	Replacement
268	853-886	876	119.00-128.75	128.06	
10	934	934	121.50	121.50	
8	945	945	119.50	119.50	Replacement
7	957	957	118.00	118.00	



Plus Bred Stock: (Selling at 11am)

25 Angus pairs 2-9yrs, January born Angus Calves(16hd are 2-4yrsold)
35 Herf&Bwf 7-9yrs, bred Angus Apr. 20
50 Black cows, bred Angus
2 Dairy Hfrs, bred Angus
6 Black 5-8yrs, bred Angus

Feeder&Replacement Heifers:

Kuhn, Jeff	200	blk&bwf hfrs	750	FS
Dennis, Brein & Brad	150	blk hfrs	800	BV,FS
Schmidt, Colin	150	blk hfrs	725	BV,FS
Froehlich, Travis	100	blk hfrs	750	BV,FS
Open A Angus	100	blk&bwf hfrs	6-700	BV,FS
Fridley, Mark	70	blk strs	750	FS
Schaper, Jim	70	blk hfrs	800	BV,FS
Schneider, Ty	70	blk hfrs	650	BV,FS
Steffan, Bob & Duane	70	blk hfrs	8-900	FS
Duppong, Ken	65	blk hfrs	700	BV,FS
Steffan & Fischer	65	blk&bwf hfrs	650-725	checked open,BV,FS
Nauman, Jarret	60	red&blk hfrs	750	PG open&breedable,BV,FS
Ulrich Ranch	57	blk&bwf hfrs	650	FS
Perdaems, Jim	55	blk hfrs	750	BV,FS
Jurgens, Bob	52	blk hfrs	850	BV,FS
Martin, Ron	50	red&blk	650	Natural, SS
Schroeder, Rocco	50	red angus hfrs	750	BV,FS
Norby, Don	45	red&blk	550	weaned,FS
Bloom, Jason	40	red hfrs	7-900	BV,FS
Dukart, Derek	40	red&blk hfrs	650	FS
Hauser, Mark	40	black	6-700	FS
Hewson, Myron	40	red	650	FS
Knudsig, Larry	40	blk hfrs	800	BV,FS
Perhus Bros.	40	black	650	FS
Rhode, John	40	35 blk & 5 bwf hfrs	750	BV,FS
Schettler, Joe	40	red hfrs	675	BV,FS
Fridley, Mark	35	blk hfrs	725	BV,FS
Nodland, Dave	35	blk hfrs	700	BV,FS
Teeters, Bill	35	blk hfrs	700	SS,BV
Juntnen, Tom	30	blk hfrs	700	BV,FS
Myran, Greg	30	blk&bwf hfrs	650	SS
Richard, Dave	30	blk&bwf hfrs	700	FS
Filkoski, Loren	25	blk strs	650	FS
Hueske, Dustin	25	blk hfrs	775	BV,FS
Braun, Jim	20	blk hfrs	750	BV,FS
Chinn, Brad	20	blk hfrs	650	BV,FS
Filkoski, Loren	20	blk hfrs	550	FS
Ottmar, Dion	20	blk hfrs	700	FS
Pojorlie, Gene	20	blk hfrs	550	FS
Wanner, Adam	20	blk hfrs	775	BV,FS
Kautzman, Tanner	18	blk hfrs	650	BV,FS
Erickson, Chris	15	blk hfrs	900	BV,FS
Sadowsky, Al	15	blk hfrs	750	BV,FS



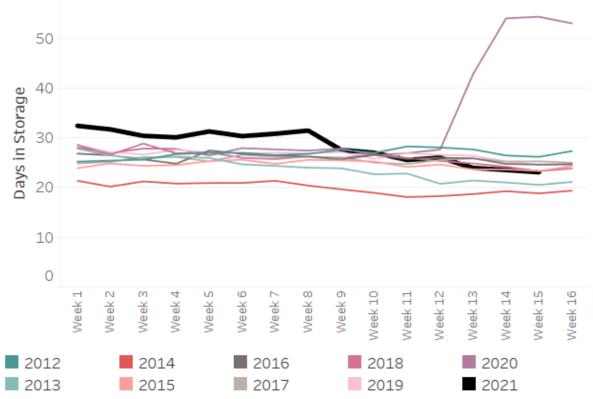
Corn-ethanol Outlook

David Ripplinger
Bioproducts/Bioenergy
Economics Specialist
701-231-5265
david.ripplinger@ndsu.edu





US Corn Ethanol Days in Storage, 2012-2021, Weeks 1 to 18



2013 2015 2017 2019 2021 Corn prid

Data: Energy Information Administration

Stocks continue to decline as production is not keeping up with use

Ethanol Prices

2013-\$2.48

2014-\$2.79

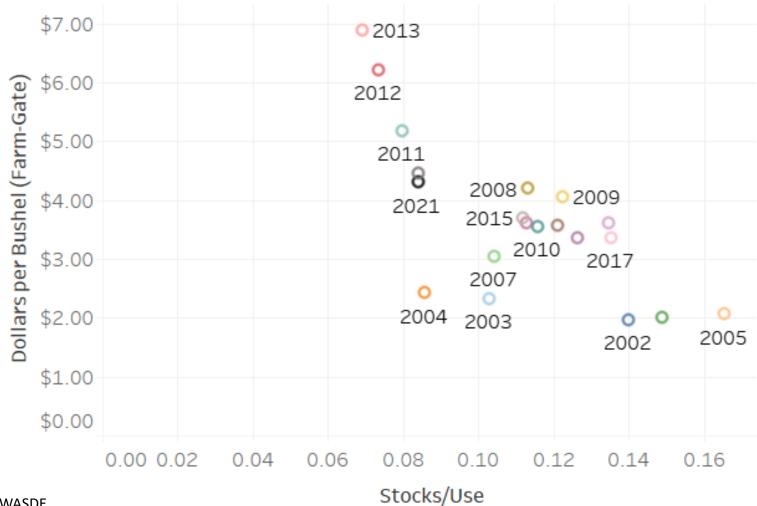
2021 - \$1.73

Corn prices are high Ethanol use continues to increase



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US Corn Price, Stocks-Use Ratio (2002-2021)

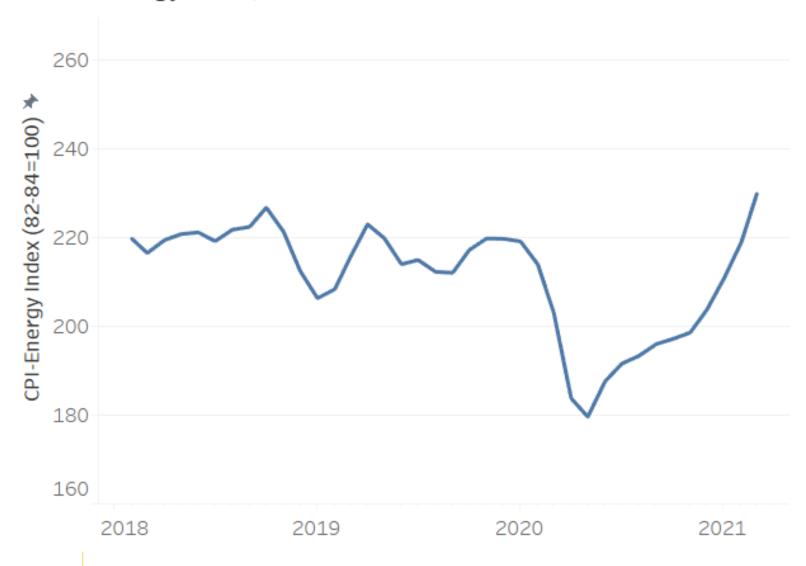


Data: USDA/ WASDE



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US CPI-Energy Index, 2018-March 2021





Data: BLS

US CPI-Energy Index, 2012-March 2021





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Please use the Q&A tool to ask questions

The next webinar is scheduled for 1 pm CT Thursday, May 13th

For the slides and recording of this webinar please visit ag.ndsu.edu/farmmanagement/outlook

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