

Burn Ban Point System Process:

1. Last Precipitation, Average Temp, and Average Wind Speed:

- a. Go to the Climate and Past Weather information on the National Weather Service website @ <http://w2.weather.gov/climate/index.php?wfo=fsd>
- b. Go to the **Observed Weather** tab, click on:
 - i. Preliminary Monthly Climate Data (CF6)
 - ii. **Mitchell, SD**

1. Choose a Product

- Daily Climate Report (CLI)
- Preliminary Monthly Climate Data (CF6)
- Record Event Report (RER)
- Monthly Weather Summary (CLM)
- Routine Temperature/Precip (RTP)

2. Choose a Location

- Sioux Falls, SD
- Sioux City, IA
- Huron, SD
- Mitchell, SD**

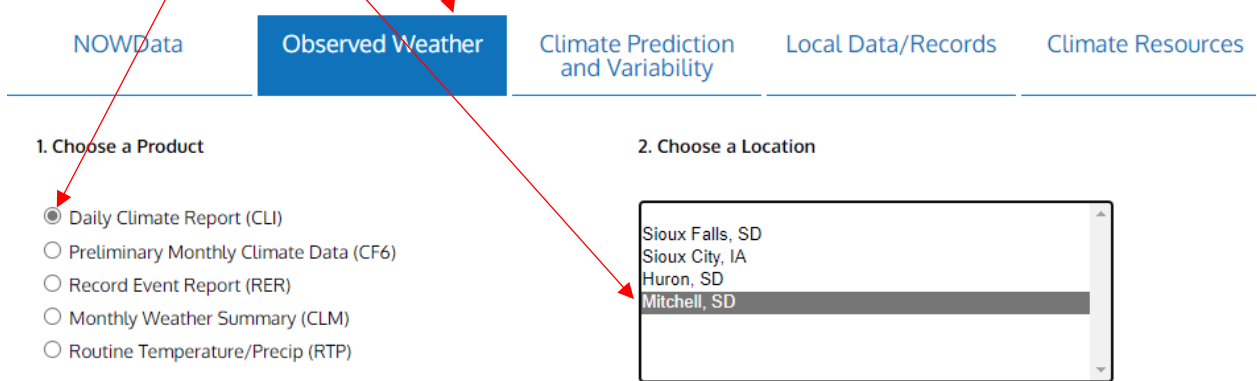
- c. This will bring up a chart, where you can see the last precipitation total recorded at the airport (Burn Ban Criteria Step 1). You can also pull the average temperature for the last 7 days (Burn Ban Criteria Step 2). You can also pull the average wind speed for the last 7 days (Burn Ban Criteria Step 3).

TEMPERATURE IN F:					:PCPN:		SNOW:		WIND			:SUNSHINE:		SKY		:PK WND		
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DAY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	47	19	33	-8	32	0	T	0.0	0	4.0	10	340	M	M	5	1	13	10
2	59	26	43	1	22	0	0.00	0.0	0	8.4	20	340	M	M	1	1	27	330
3	57	30	44	2	21	0	T	0.0	0	19.0	38	300	M	M	4		51	300
4	61	31	46	4	19	0	0.00	0.0	0	18.0	35	160	M	M	5		50	160
5	58	42	50	7	15	0	0.03	0.0	0	21.3	39	300	M	M	7	1	53	310
6	53	36	45	2	20	0	T	0.0	0	29.8	45	320	M	M	10		60	330
7	45	31	38	-6	27	0	T	0.0	0	31.3	43	340	M	M	9	1	57	330
8	53	28	41	-3	24	0	0.00	0.0	0	16.6	30	330	M	M	0		42	350
9	66	21	44	0	21	0	0.00	0.0	0	16.1	29	150	M	M	0		39	160
10	51	29	40	-5	25	0	T	0.0	0	13.8	29	140	M	M	5		35	140
11	62	30	46	1	19	0	0.00	0.0	0	8.7	21	200	M	M	0		30	210
SM	612	323			245	0	0.03	0.0		185.0			M		46			
AV	55.6	29.4								16.8	FASTST		M	M	4		MAX (MPH)	
										MISC	---->	45 320					60 330	

2. Departure From Normal

a. Go back to the **Observed Weather** tab, click on:

- i. Daily Climate Report (CLI)
- ii. **Mitchell, SD**

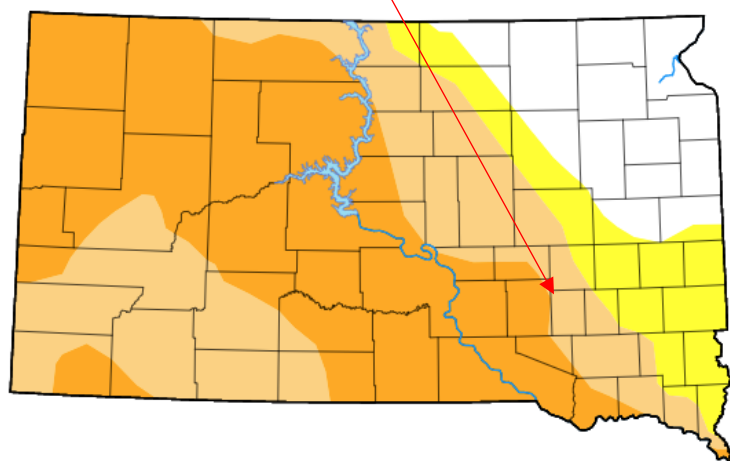


b. Under the precipitation data, under the departure from normal column, is data for two time periods; the departure from normal (DFN) rainfall since the last month and since JAN 1. Scroll over to see the numbers.

WEATHER ITEM	OBSERVED VALUE	TIME (LST)	RECORD VALUE	YEAR	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
PRECIPITATION (IN)							
YESTERDAY	0.00		1.45	2019	0.06	-0.06	T
MONTH TO DATE	0.03				0.58	-0.55	1.26
SINCE MAR 1	0.56				1.51	-0.95	4.34
SINCE JAN 1	0.85				2.28	-1.43	5.03

3. Drought Level. Go to <https://droughtmonitor.unl.edu/>.

a. Zoom into Davison County and enter the drought level from the Intensity table next to the map.



Map released: Thurs. April 7, 2022

Data valid: April 5, 2022 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

4. Unaccounted for fires.

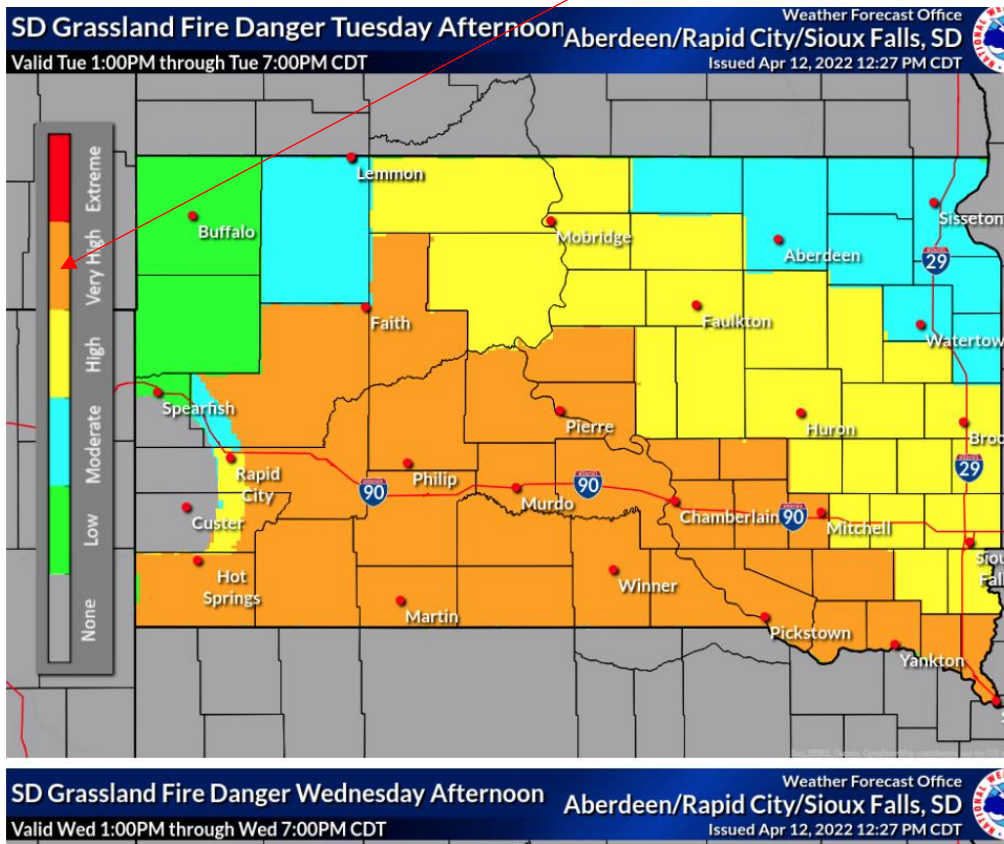
b. Request the three Fire Departments let us know when they have any fires. Only fires that could have been prevented if a ban were in place would be considered for a ban.

5. Surrounding Burn Bans. Tracked by the NWS.

a. Surrounding Counties to consider: Jerauld, Aurora, Douglas, Hutchinson, Hanson, Miner, Sanborn.

6. Fire Danger Map

- c. Go to the National Weather Service Page @ <https://www.weather.gov/unr/rfd>
 - i. Enter the correlating level of danger.



7. Burn Ban Summary {Date}

- d. Email out to PD, FD x 3, Sheriff's Office, Commissioners, and any others
 - i. Mike, Marius, Shannon, Dawn, Gregg (Ethan), Dave/Mike (Mt. Vernon), Steve/Tim, Commissioners, Susan.