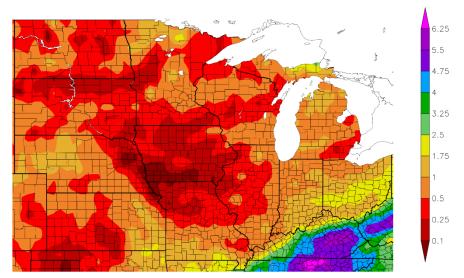
MAC-T Monthly Call

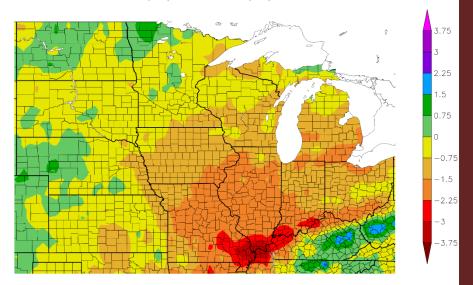
Midwest Agriculture and Climate Team



Precipitation (in) 2/4/2024 - 3/4/2024



Departure from Normal Precipitation (in) 2/4/2024 - 3/4/2024

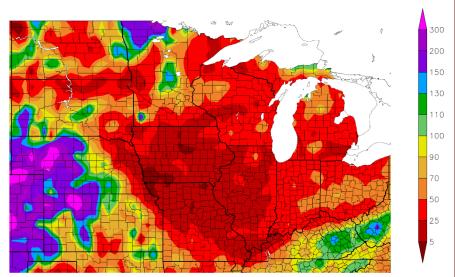


Generated 3/5/2024 at HPRCC using provisional data.

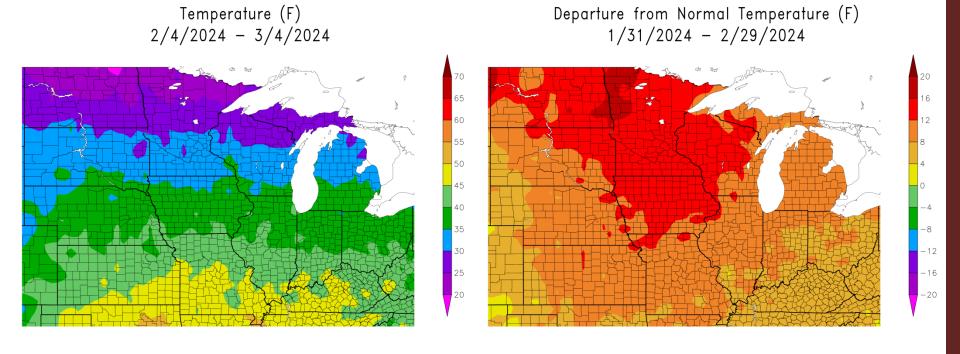
NOAA Regional Climate Centers Generated 3/5/2024 of HPRCC using provisional data.

NOAA Regional Climate Centers

Percent of Normal Precipitation (%) 1/31/2024 - 2/29/2024



- Mostly dry again last 30 days except for south of Ohio River, Plains and nrn MN.
- Some very significant dryness
- Shift after wetness mid-winter



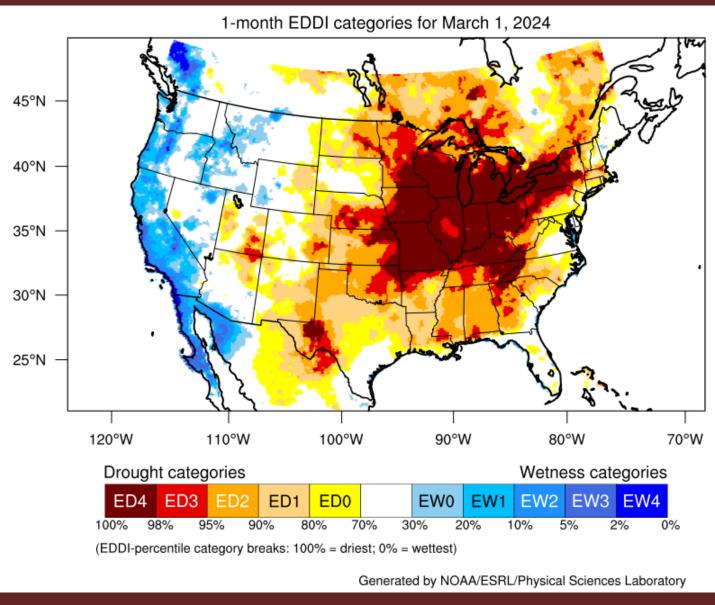
enerated 3/5/2024 at HPRCC using provisional data.

NOAA Regional Climate Centε Generated 3/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

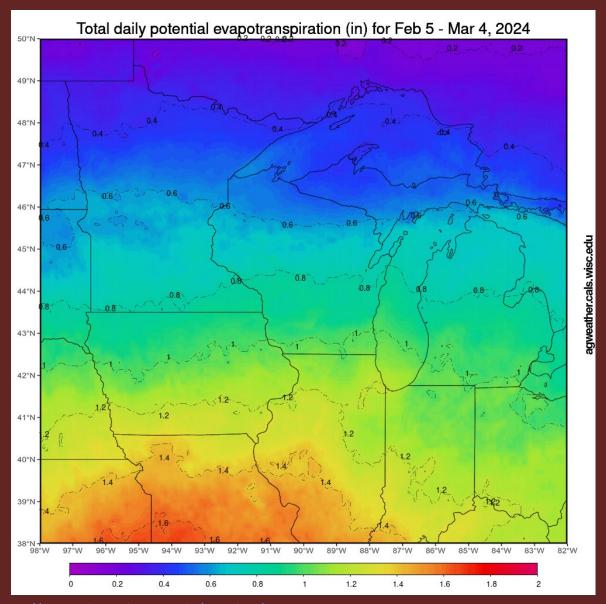
- Warmest in the southwest.
- Almost the entire region above average (1-8 F).
- North Central warmest deviation.

ET - 1



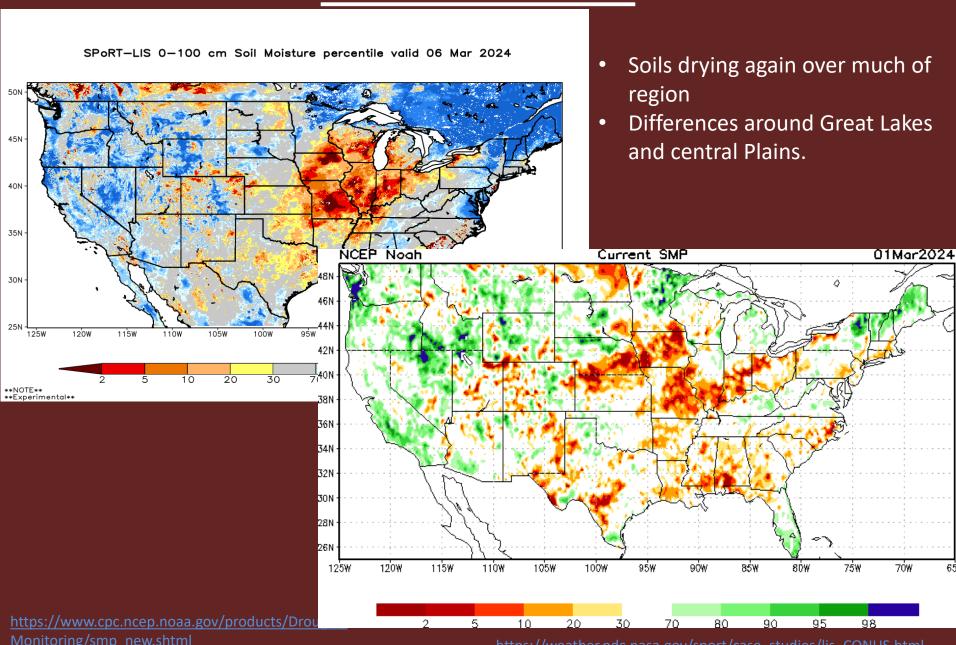
- ET EDDI
 product well
 into D4 category
 over the last
 month+
- Plains not quite as significant.

ET - 2



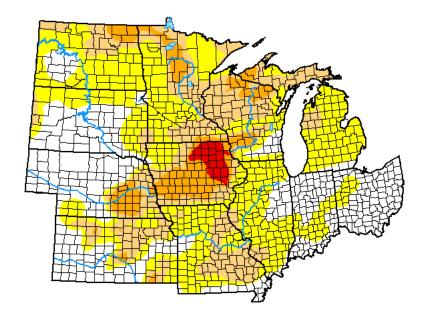
- New product not "new" but new to us.
- Does daily and accumulated estimates of PET.
- Southern half-ish of area an inch or more last 30 days.

Soil Moisture



US Drought Monitor

U.S. Drought Monitor **North Central States**



February 27, 2024

(Released Thursday, Feb. 29, 2024) Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	30.88	69.12	30.39	9.10	1.39	0.00
Last Week 02-20-2024	44.55	55.45	25.40	9.10	1.39	0.00
3 Month s Ago 11-28-2023	37.43	62.57	37.04	17.51	4.07	0.37
Start of Calendar Year 01-02-2024	37.52	62.48	38.54	16.91	3.77	0.02
Start of Water Year 09-26-2023	25.87	74.13	49.98	25.16	7.67	0.73
One Year Ago 02-28-2023	46.79	53.21	35.32	17.17	9.79	4.41

Intensity:

D0 Abnormally Dry

D2 Severe Drought D3 Extreme Drought D1 Moderate Drought D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Richard Heim NCEI/NOAA





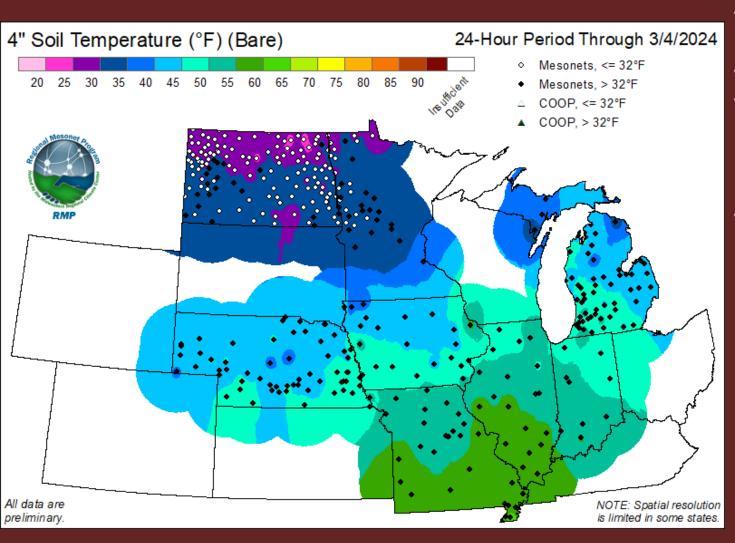




droughtmonitor.unl.edu

- Worse centered on IA with long term issues
- Redevelopment more widespread but not as serious yet.

Soil Temperature

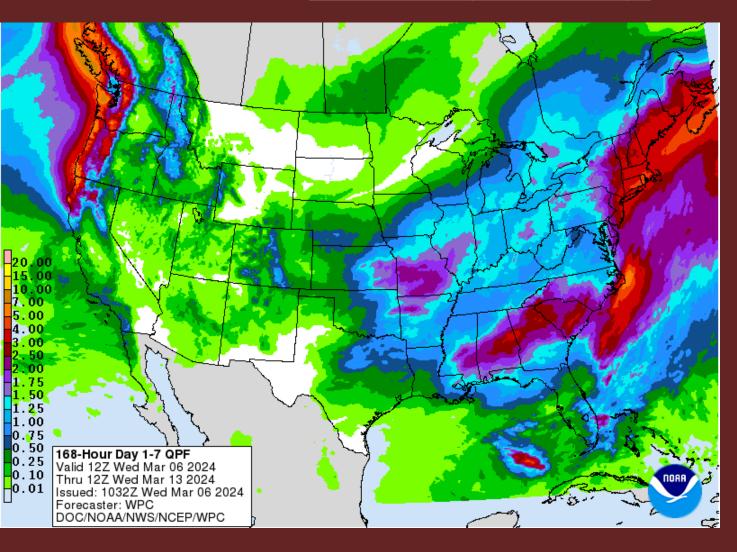


- Warming relatively quickly
- Already 50s south
- Frozen still in ND– a littlesurprising.
- Frost depths (not shown) only showing in parts nrn WI/MN

Assorted AG Issues

- Soils remain dry through much of the region
- Some winter recovery losing ground again
- Little frost depth
- Early field progress very likely
- Fire still a very legitimate concern
- Warmth pushing early perennial movement risk
- Some winder cold damage

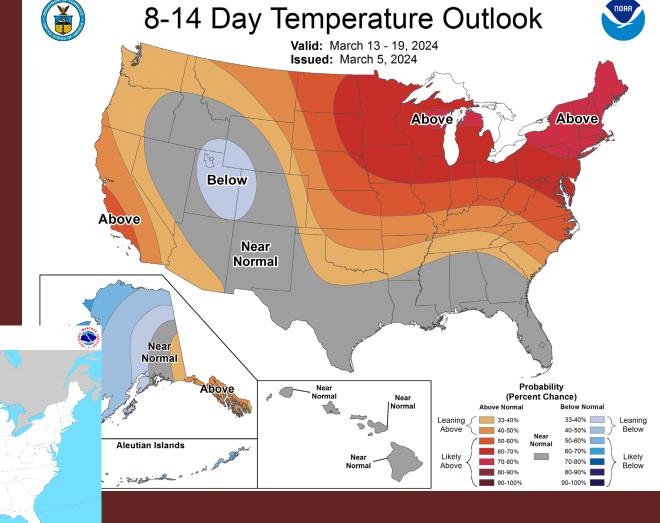
1-7 Day Precip



- Some good news– east
- Increasing rainfall possible next 7 days.

Temperature Outlook

- Temperatures still likely above average across the entire region.
- No risk of hazardous temperatures (human)
 not so much for perennials

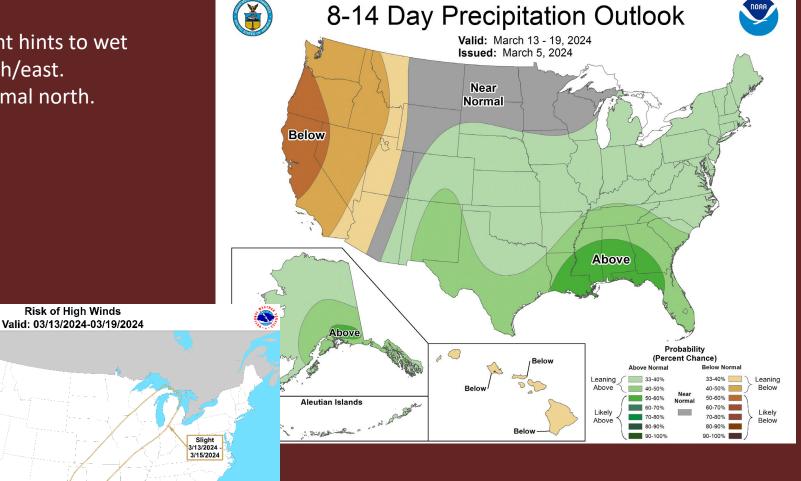


Risk of Hazardous Temperatures Valid: 03/13/2024-03/19/2024

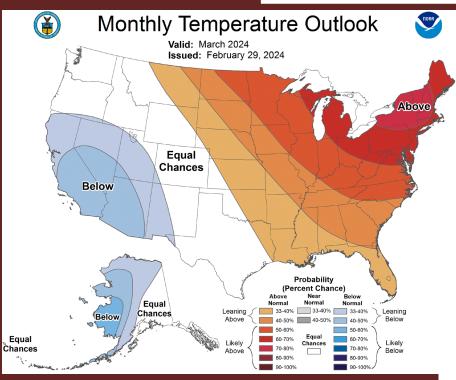
Precipitation Outlook

- Very slight hints to wet side south/east.
- Near normal north.

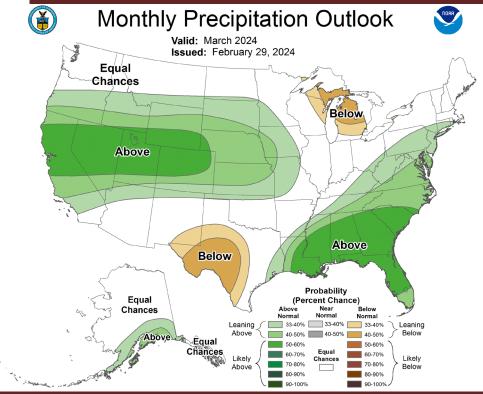
Experimental



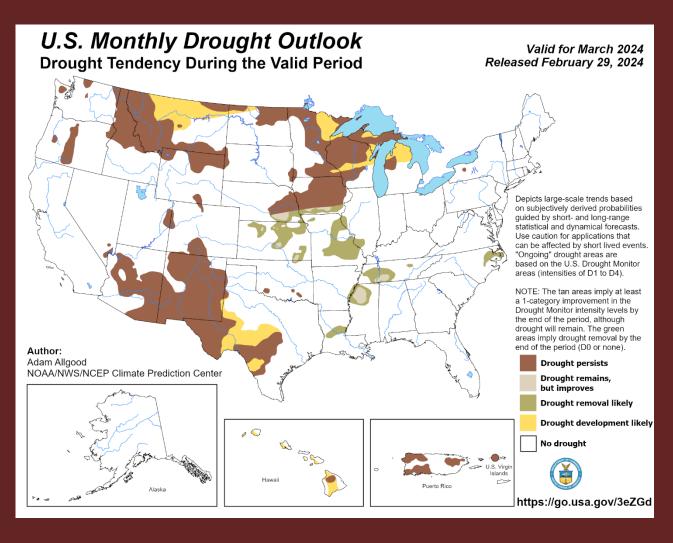
1-Month Outlook



- Likely warmer across the entire area, especially in the northeast portion of the region.
- Slightly higher precipitation chances Plains slightly below chances Great Lakes.

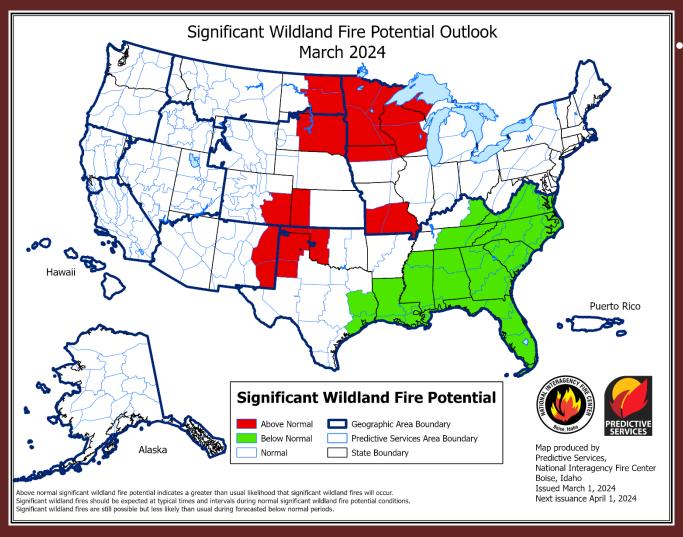


Drought in the Midwest/Plains



- Drought persistence or development north
- Some improvement possible south.

Fire in the Midwest/Plains



Fire risk increased over much of the region – not much surprise.

Summary

- Drought persists, some winter improvement but worsening.
- Early spring field work likely
- Fire an issue

 Summer? – El Niño transitioning out to La Niña. Increased risk of heat – rapid transition.

Next MAC-T Monthly Call

Next Call
April 3, 2024, 9-10am CT