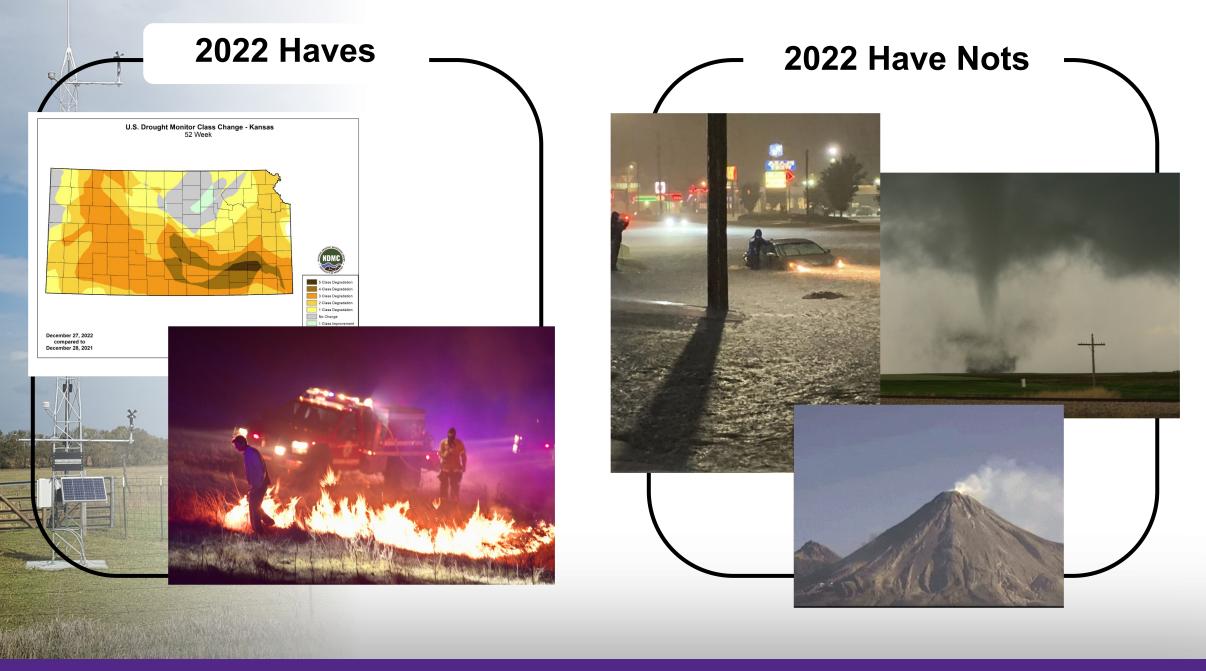
Using weather data for farm management

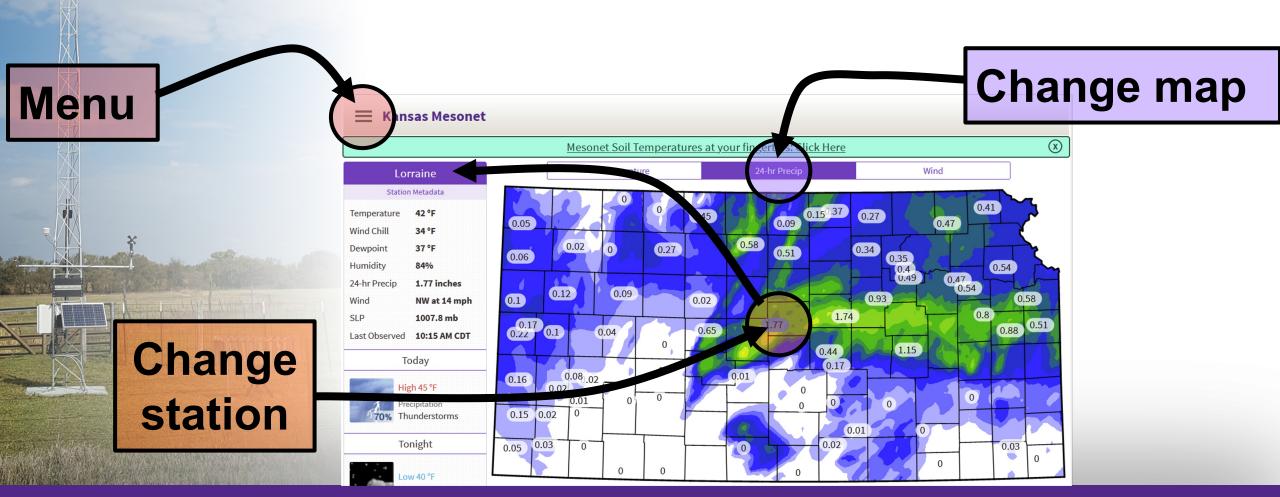
1/12/23

Chip Redmond - Assistant Meteorologist, Mesonet Manager

KANSAS STATE UNIVERSITY Kansas Mesonet



Data availability @ mesonet.ksu.edu

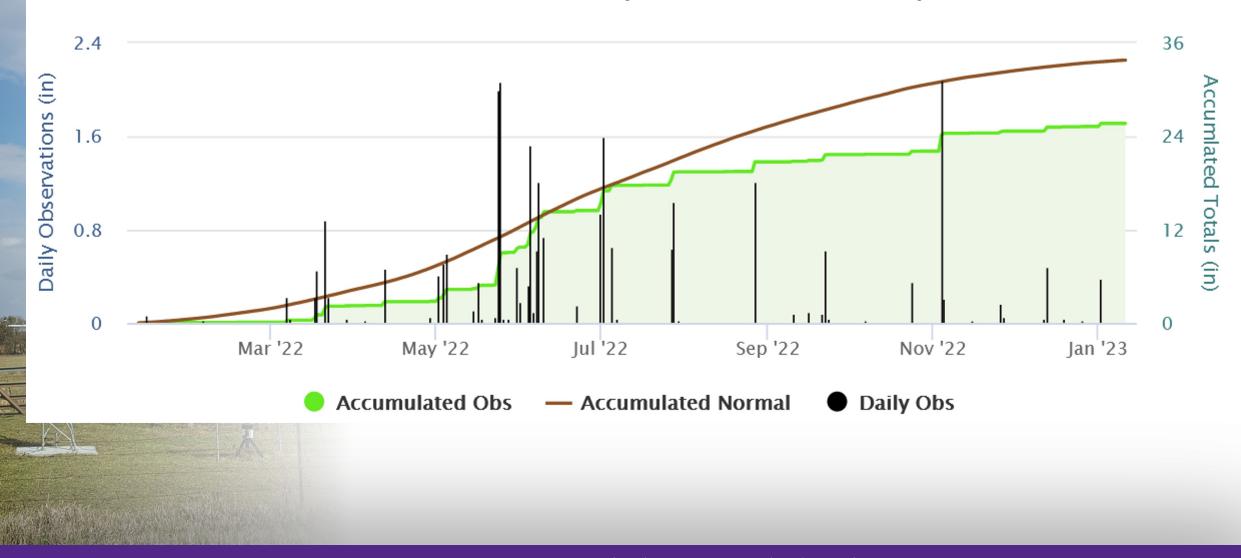




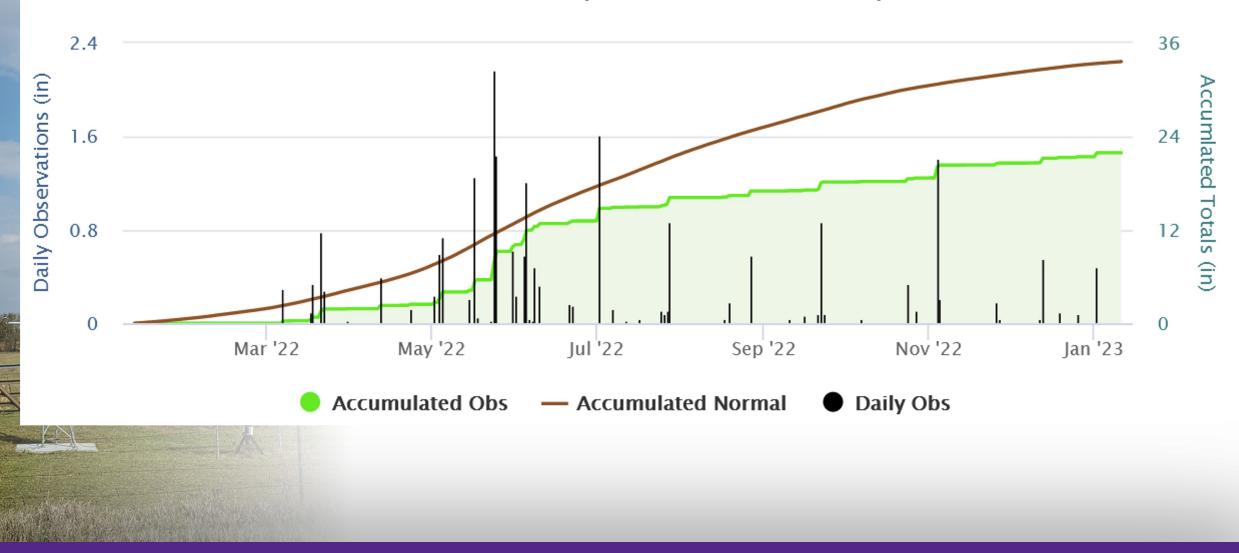


Mesonet Menu > Precipitation > Daily Totals

Flickner Tech Farm 365 Day Accumulated Precipitation



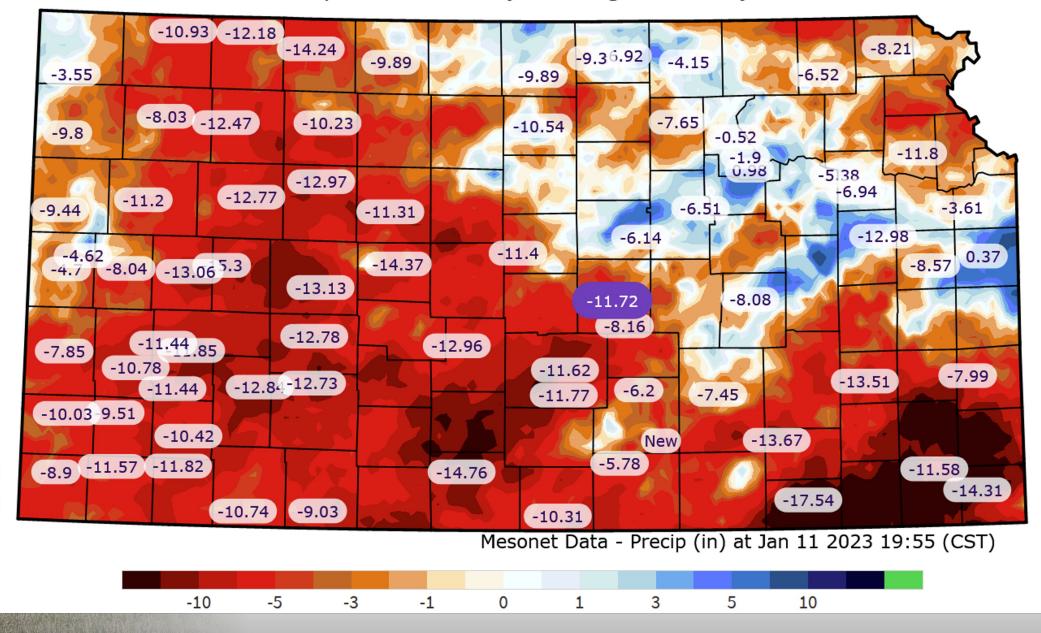
McPherson 1S 365 Day Accumulated Precipitation



Departure - 365 Days Through Yesterday

R

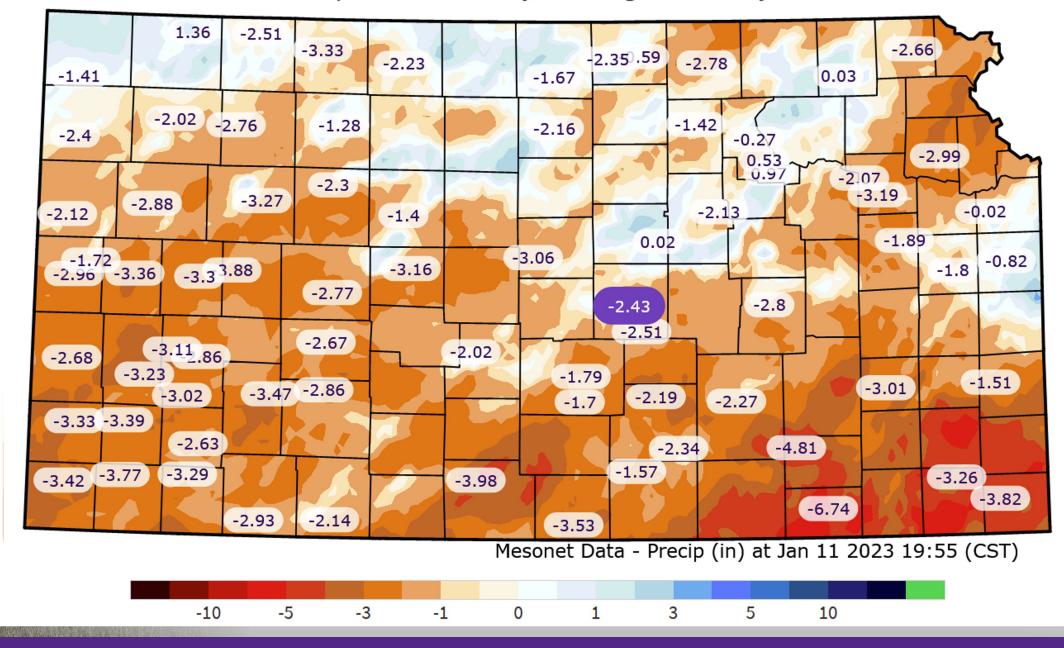
F



Departure - 120 Days Through Yesterday

2

F



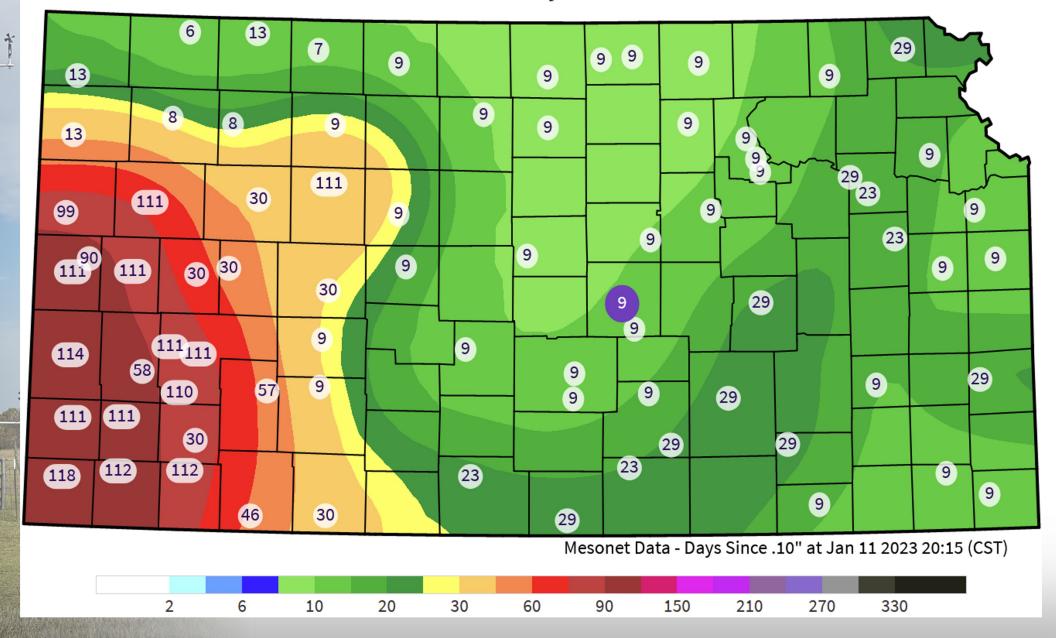
Kansas Mesonet - Kansas State University, Kansas Research and Extension

Consecutive Days Since .10"

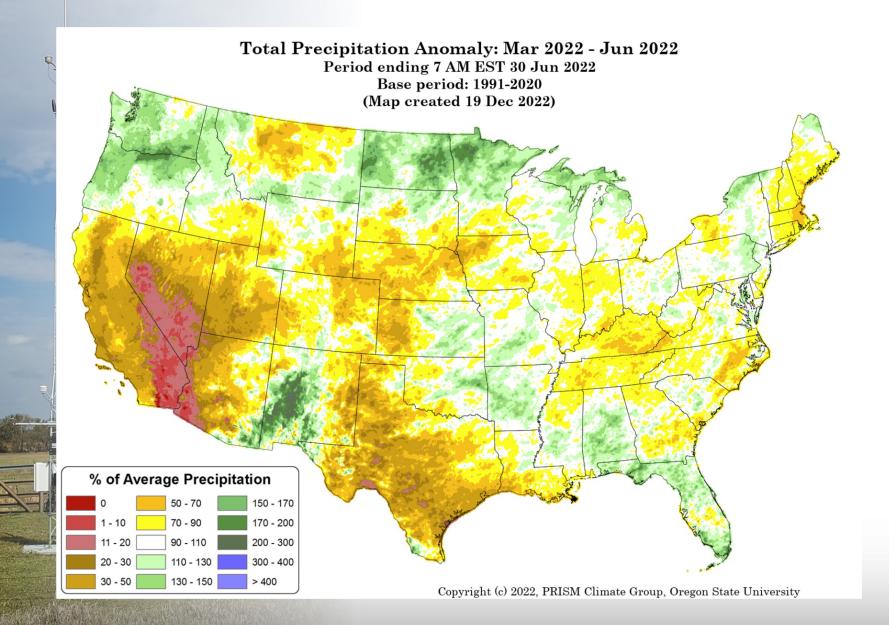
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 \checkmark

No.



Kansas Mesonet - Kansas State University, Kansas Research and Extension

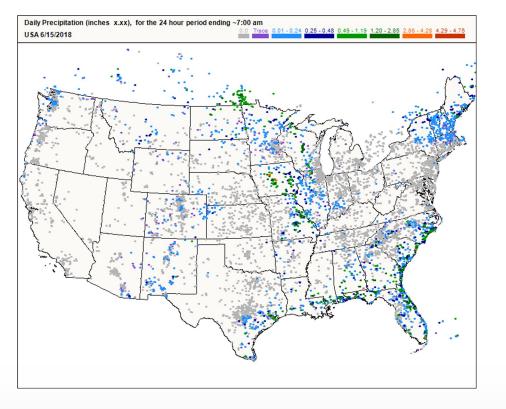


PRISM Drought Datasets









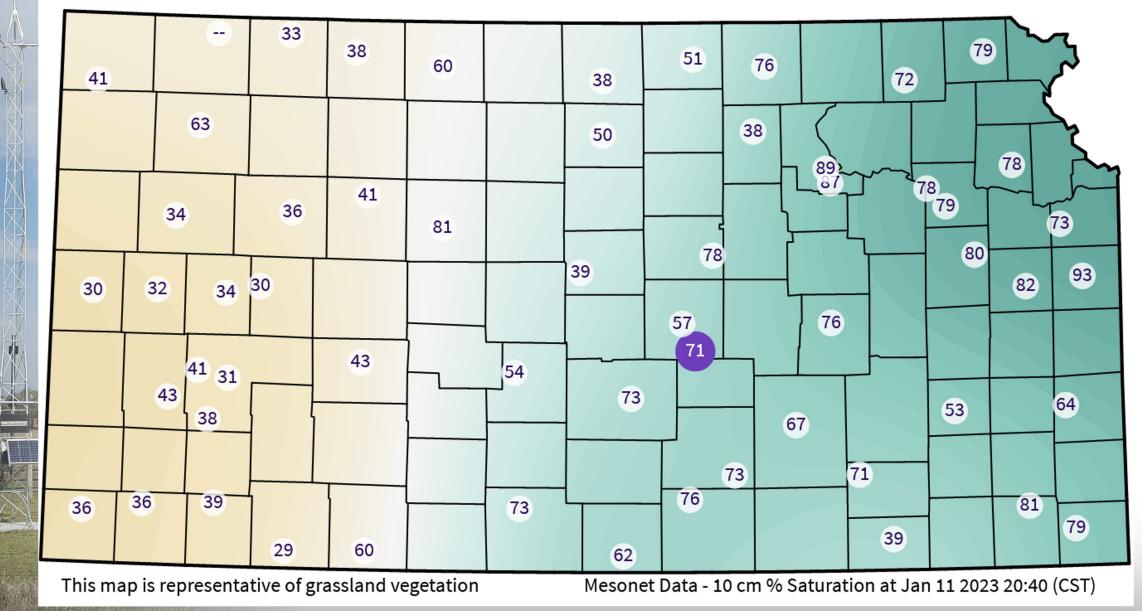






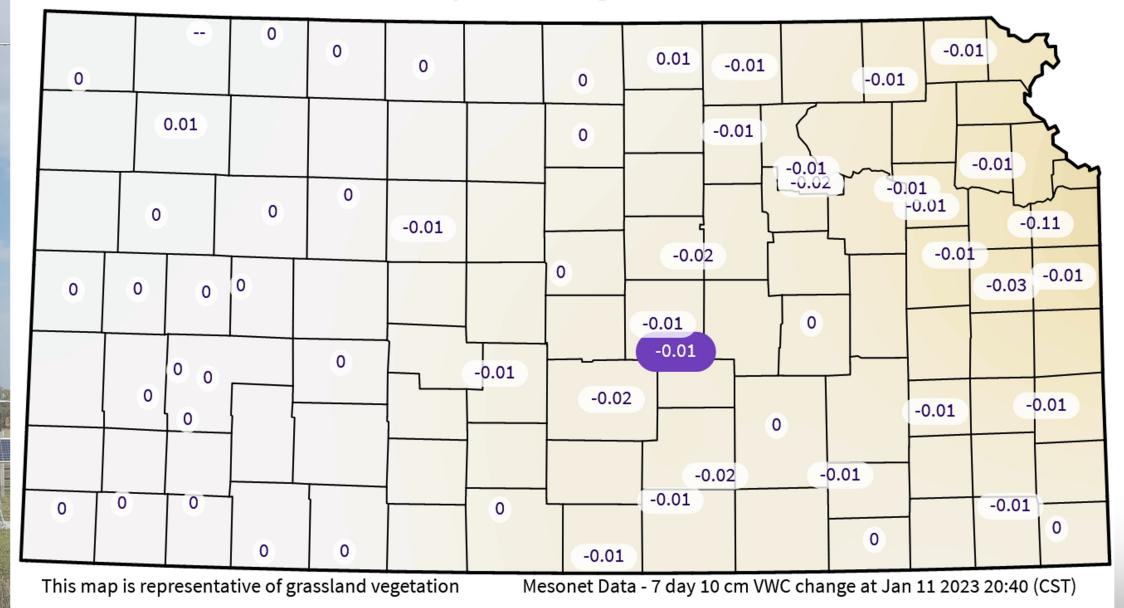
Percent of Saturation at 10 cm

-

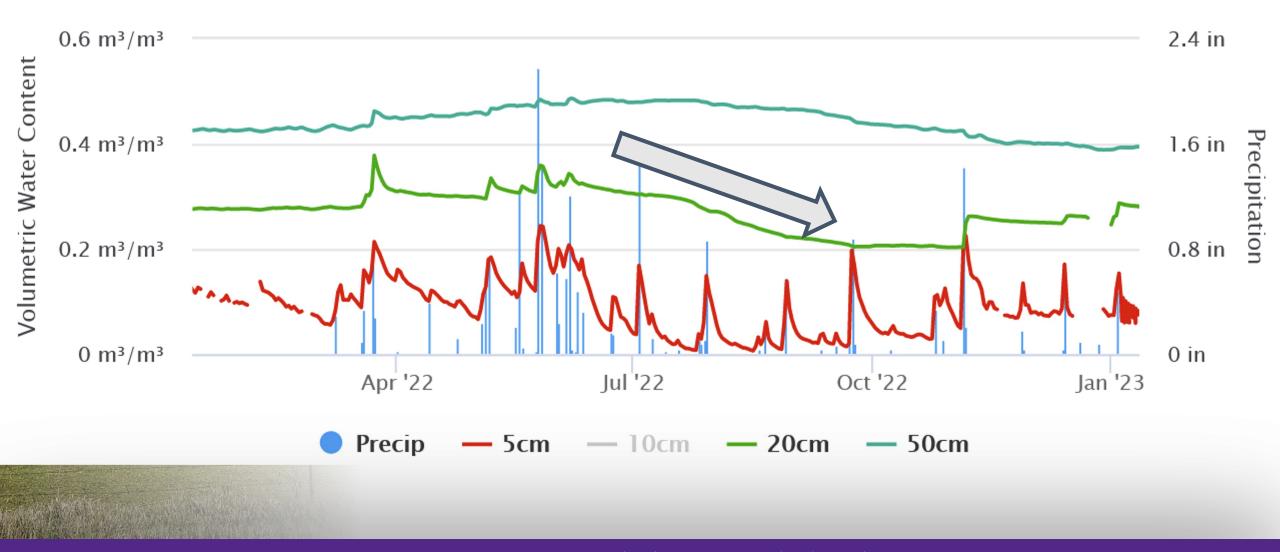


7 Day VWC Change at 10 cm

-



McPherson 1S 365 Day Soil Moisture



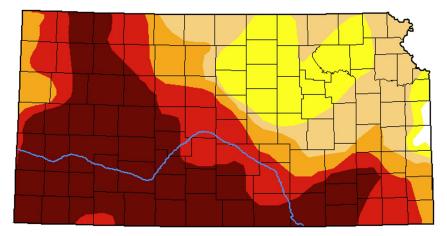
Flickner Tech Farm 365 Day Soil Moisture



U.S. Drought Monitor Kansas

January 10, 2023 (Released Thursday, Jan. 12, 2023) Valid 7 a.m. EST

Drought Monitor





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

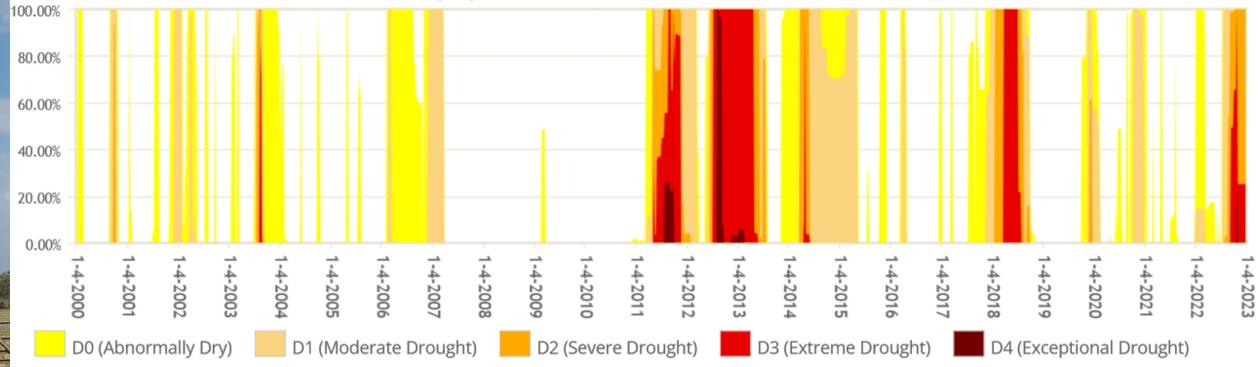
Author:

Richard Tinker CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

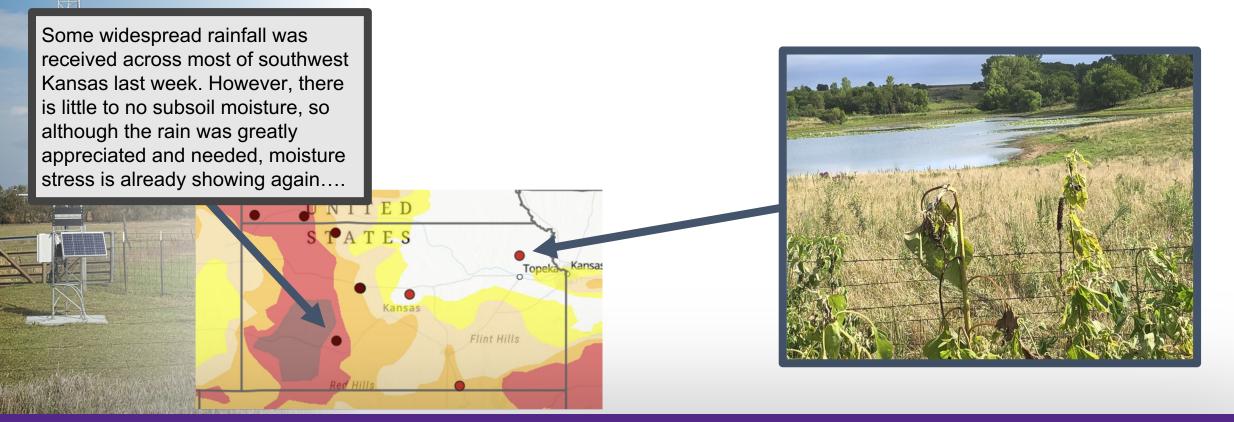


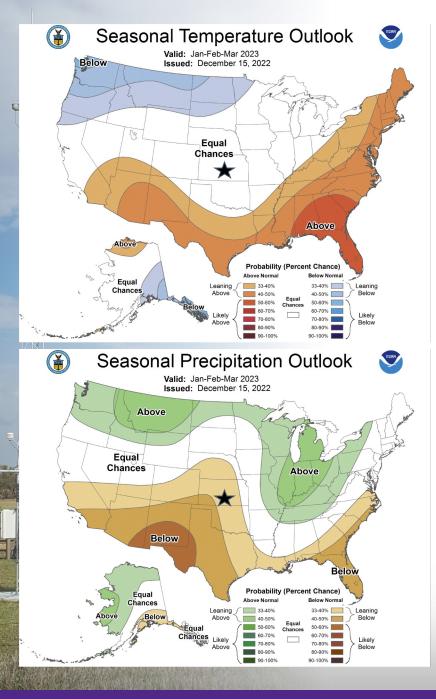


Harvey County (KS) Percent Area in U.S. Drought Monitor Categories

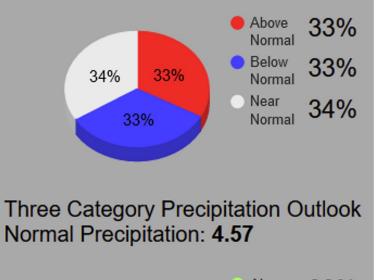
We need more drought reports! Make a CMOR Report: <u>go.unl.edu/CMOR</u>

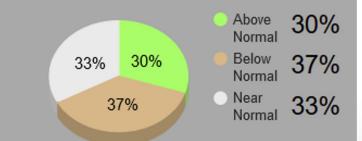






Three Category Temperature Outlook Normal Maximum Temperature: **49** Normal Minimum Temperature: **26**

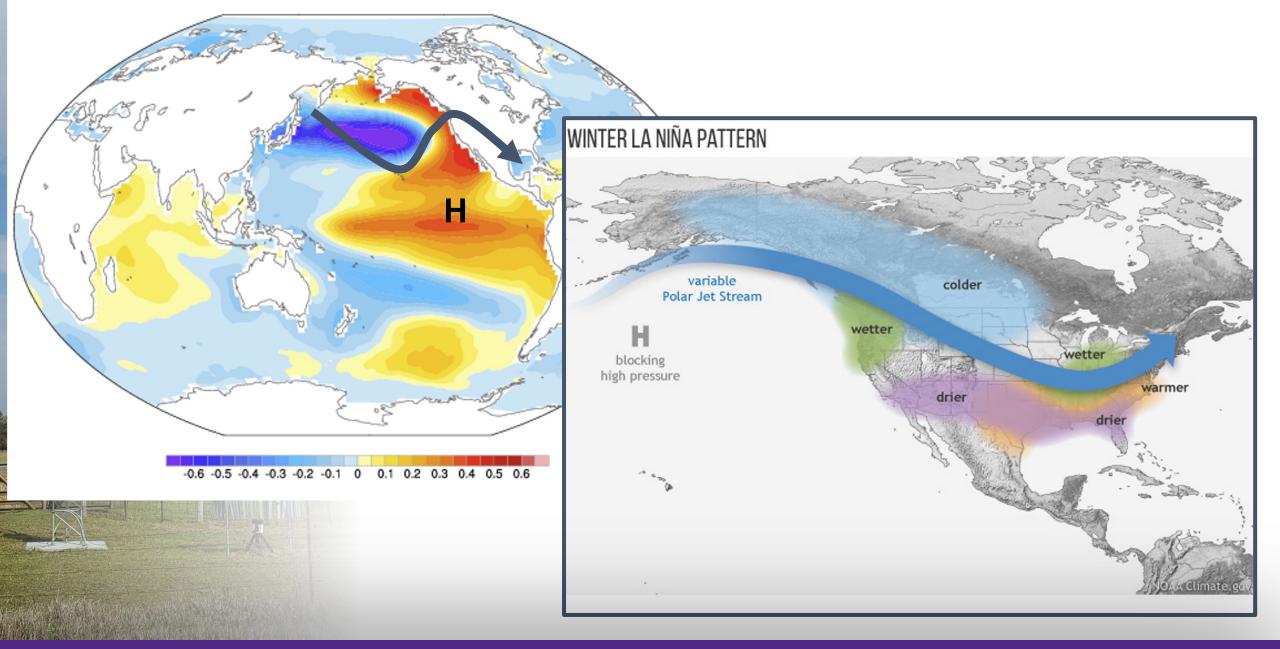


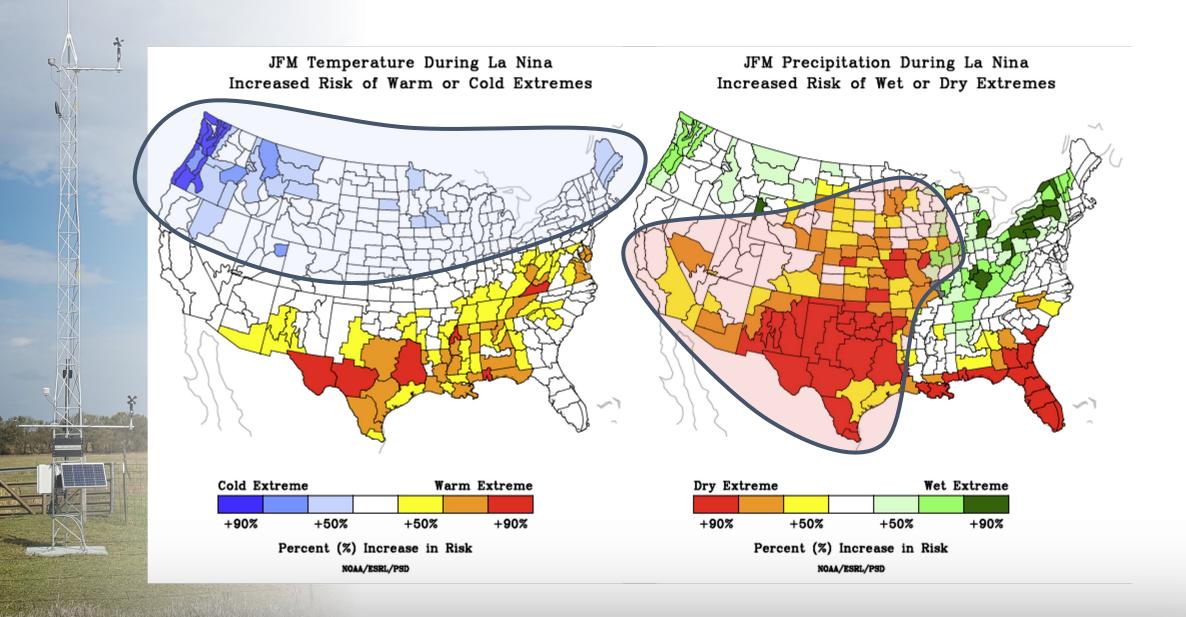


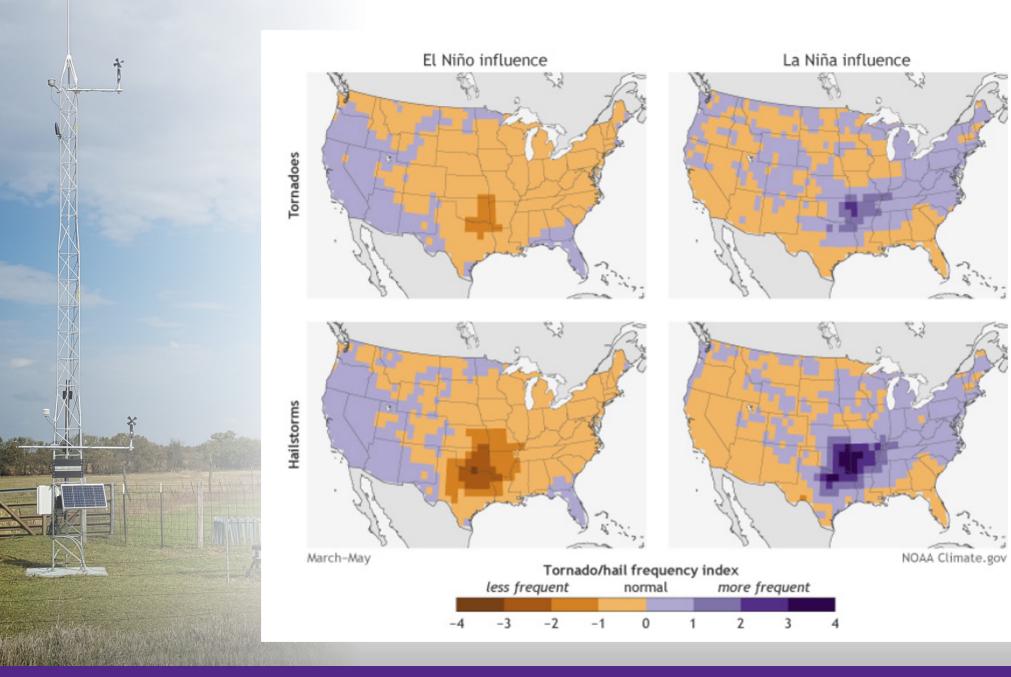
Climate Prediction Center Outlooks



PDO ERSST V5







Kansas Mesonet - Kansas State University, Kansas Research and Extension

Seasonal Forecast (Feb, Mar, Apr)

- Temperatures sneaking below normal again in Feb
- Drier after next week as La Nina impacts return
- Active storm track likely in spring severe, fire, eventually rain
- Capitalize on the drought (dig out ponds, terracing, etc)
- Long term drought will continue into 2023

mesonet.ksu.edu climate.ksu.edu Facebook: kansasmesonet Twitter: @ksmesonet



christopherredmond@k-state.edu @wx_chip

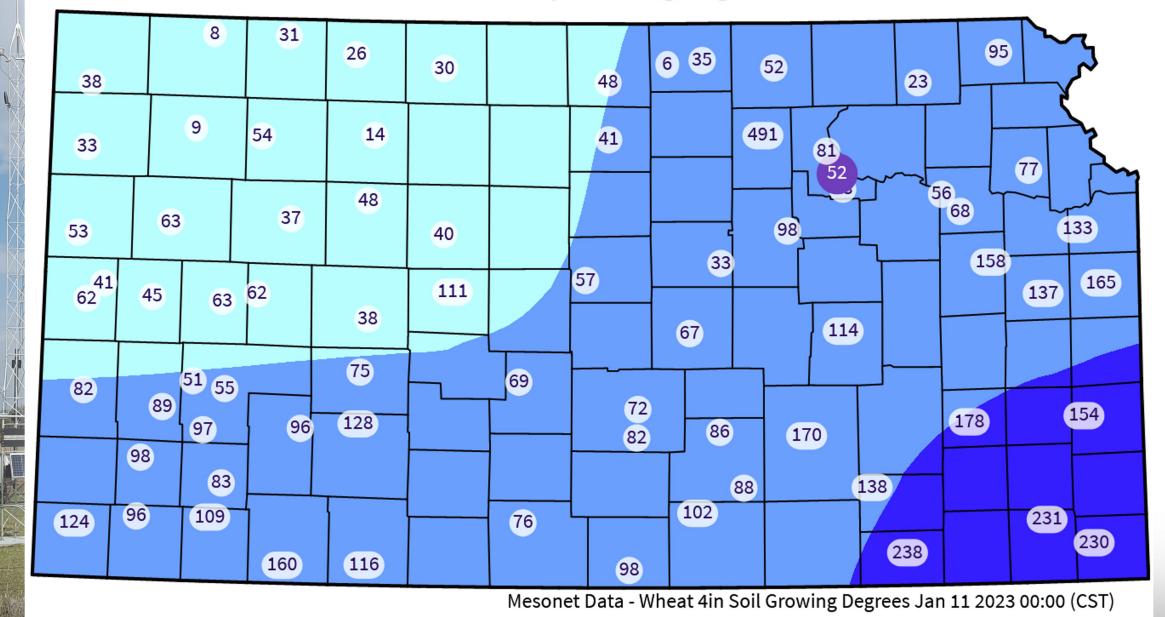




Mesonet Menu > Agriculture > Hollow Stem

4in Soil Temp Growing Degrees

5



McPherson 1S 4in Soil Growing Degrees

2000 GDD

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