



Drought Information Statement for Southeast Arizona

Valid November, 20, 2023

Issued By: NWS Tucson, AZ

Contact Information: w-twc.webmaster@noaa.gov

- This product will be updated December 25, 2023 or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/twc/DroughtInformationStatement> for previous statements.



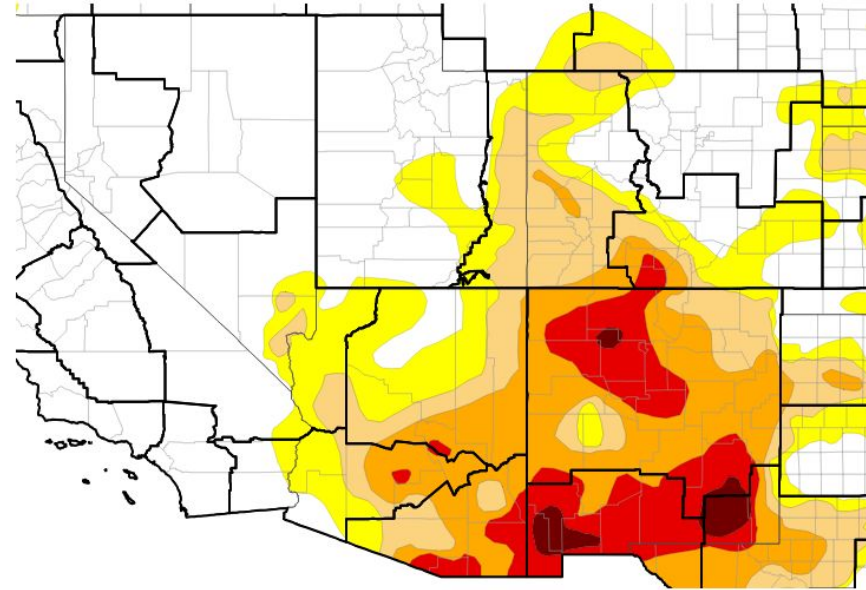


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for southeast Arizona

- DROUGHT CONDITIONS HEADLINE/KEY MESSAGE
- Drought intensity and Extent
 - D3 (Extreme Drought): Santa Cruz County, south central Pima, southwest and eastern Cochise, southeast Graham County and southern Greenlee County.
 - D2 (Severe Drought): Adjacent sections of southern and eastern Pima, Pinal and Graham counties, the remainder of Cochise and Greenlee counties.
 - D1 (Moderate Drought)/D0 Abnormally Dry: The rest of southeast Arizona not under D2 or D3.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC. NOAA. USDA: image courtesv of Drought.gov

Data Valid: 11/14/23

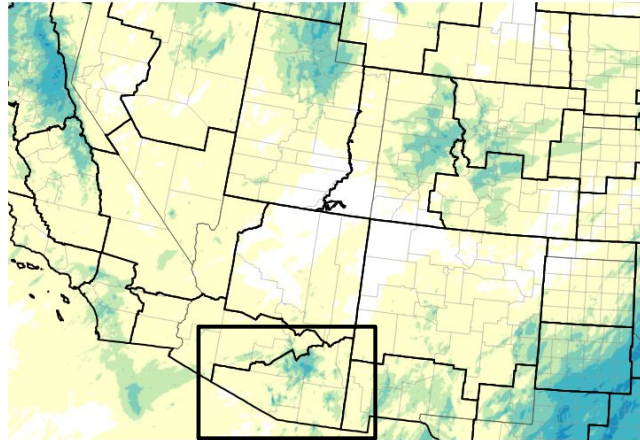




Precipitation

- Precipitation has been below normal for most of southeast Arizona over the past 30 days.
- The exception are portions of eastern Pinal county, eastern Pima, northeast Cochise and western Graham county.

30-Day Precipitation Accumulations (Inches)

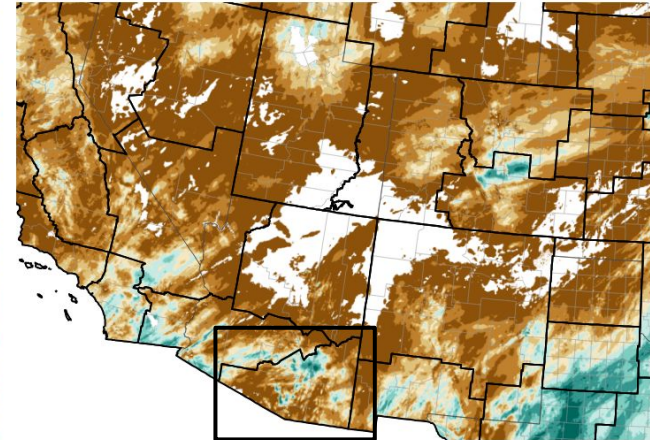


Inches of Precipitation

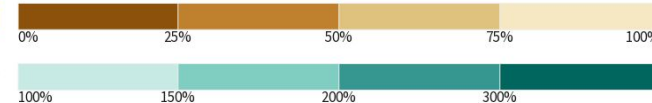


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/19/23
image courtesy of Drought.gov

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/19/23
image courtesy of Drought.gov

Data over the past 30 days ending November 19, 2023





Temperature

- Average temperatures over the past 30 days were 1° to 4° above normal for most of southeast Arizona.

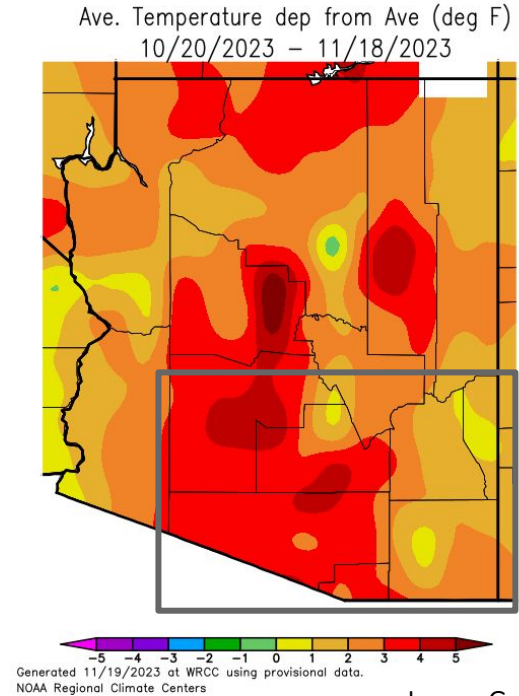
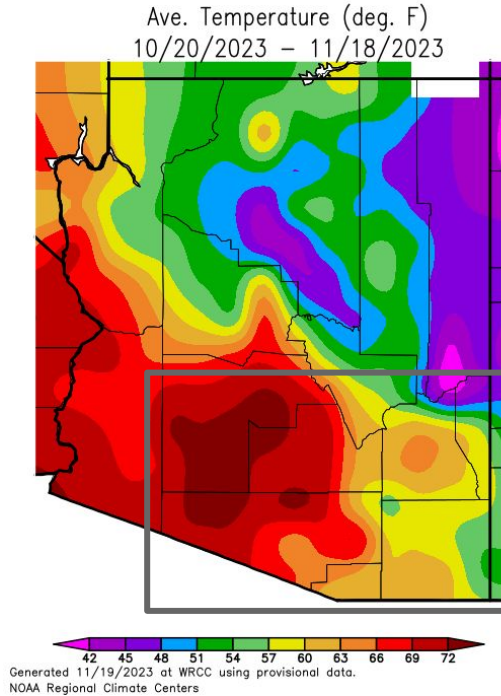


Image Captions:
 Left - [Average Temperature for Arizona w/southeast Arizona in highlighted gray box](#)
 Right - [Departure from Normal Temperature for Arizona w/southeast Arizona in highlighted gray box](#)

Data Courtesy Western Regional Climate Center.
 Data over the past 30 days ending November 18, 2023





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Streamflow in Southeastern Arizona continues to be below to much below normal for this time of the year. The San Pedro River Basin is below normal and the Upper Gila River Basin is at less than the 10th percentile for this time of the year.

Agricultural Impacts

- Soil moisture values are below the 5th percentile in most of southeast Arizona. Without additional rainfall, this could make some areas more susceptible to blowing dust.

Fire Hazard Impacts

- Record heat and below normal precipitation has resulted in fuel dryness levels that are much drier than normal. As a result, the threat of grass fires on windier days is higher than normal for this time of year until significant precipitation occurs.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.

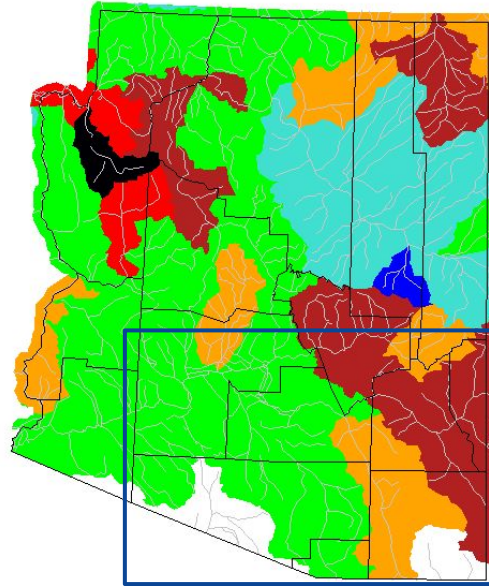




Hydrologic Conditions and Impacts

- Streamflow in Southeastern Arizona continues to be below to much below normal for this time of the year. The San Pedro River Basin is below normal and the Upper Gila River Basin is at less than the 10th percentile for this time of the year.

Sunday, November 19, 2023



USGS

Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Image Caption: USGS 7 day average streamflow HUC map valid November 19, 2023

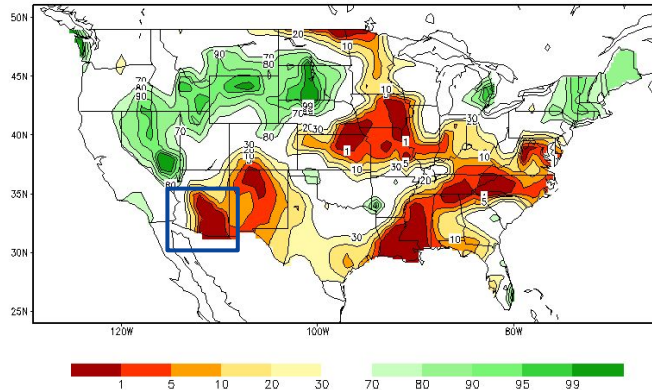




Agricultural Impacts

- Soil moisture values are below the 5th percentile across southeast Arizona. This could make some areas more susceptible to blowing dust.

Calculated Soil Moisture Ranking Percentile
NOV 18, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending NOV 11, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile

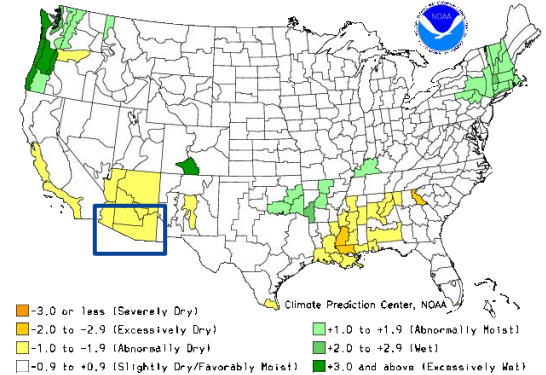


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid November 18, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending November 11, 2023





Seven Day Precipitation Forecast

- A weather system moving across the state Thursday and Friday will bring some light precipitation to portions of Graham and Greenlee counties. Otherwise the week ahead looks dry across the rest of southeast Arizona.

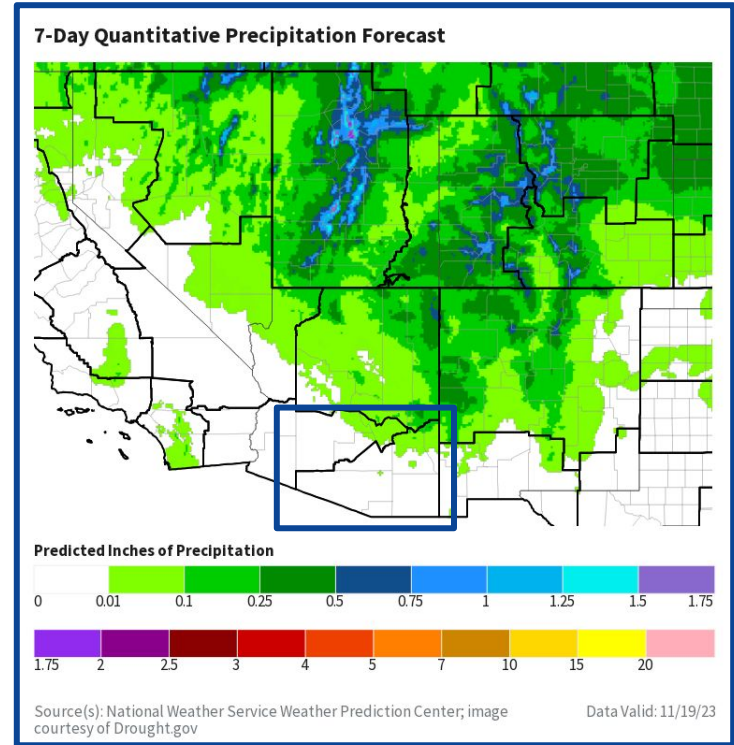


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Monday November 20 to Sunday November 26





Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The Climate Prediction center outlook for December through February for southeast Arizona shows equal odds for either above, near or below normal seasonal mean temperatures and seasonal total precipitation. The exception would be western Pima county where the outlook favors 34% to 37% chance for above normal seasonal total precipitation.

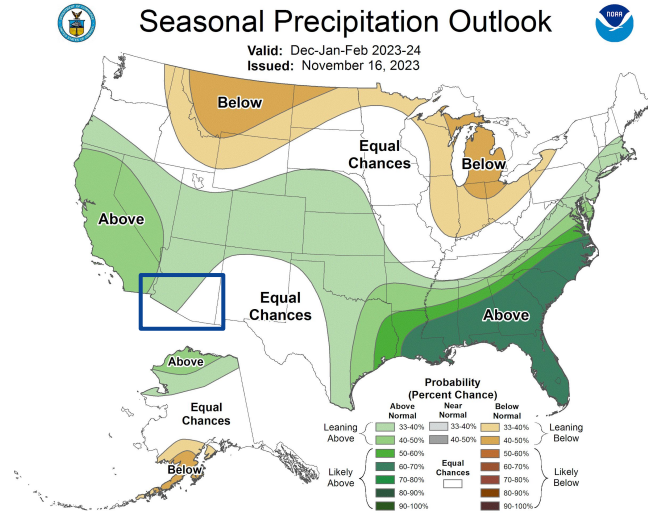
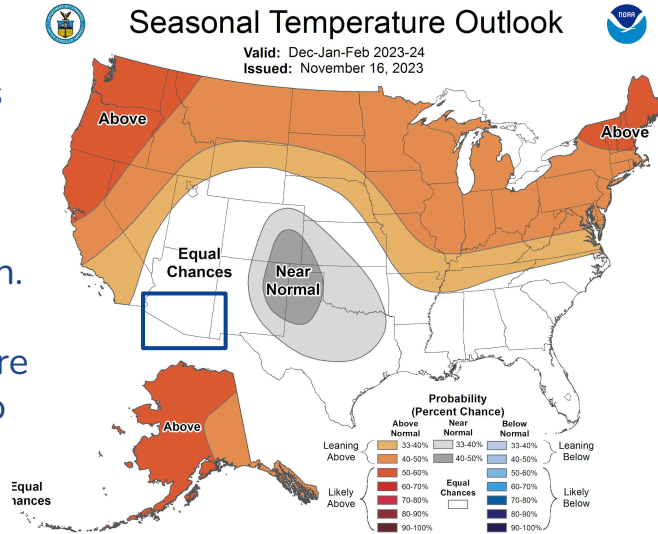


Image Captions:

Left - [Climate Prediction Center Seasonal Temperature Outlook](#).

Right - [Climate Prediction Center Seasonal Precipitation Outlook](#).

Valid December 2023 to February 2024



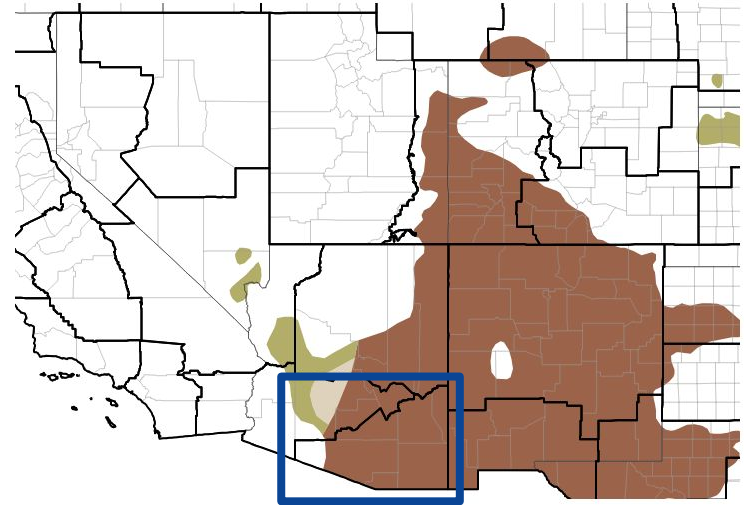


Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions are likely to persist into early 2024 across most of southeast Arizona.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 11/16/23

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Tucson, AZ

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released November 16, 2023 valid for December 2023 to February 2024