

# Summer!



Summer starts June 20 at 7:42PM AZ time



Daylight starts decreasing, heading to December Solstice

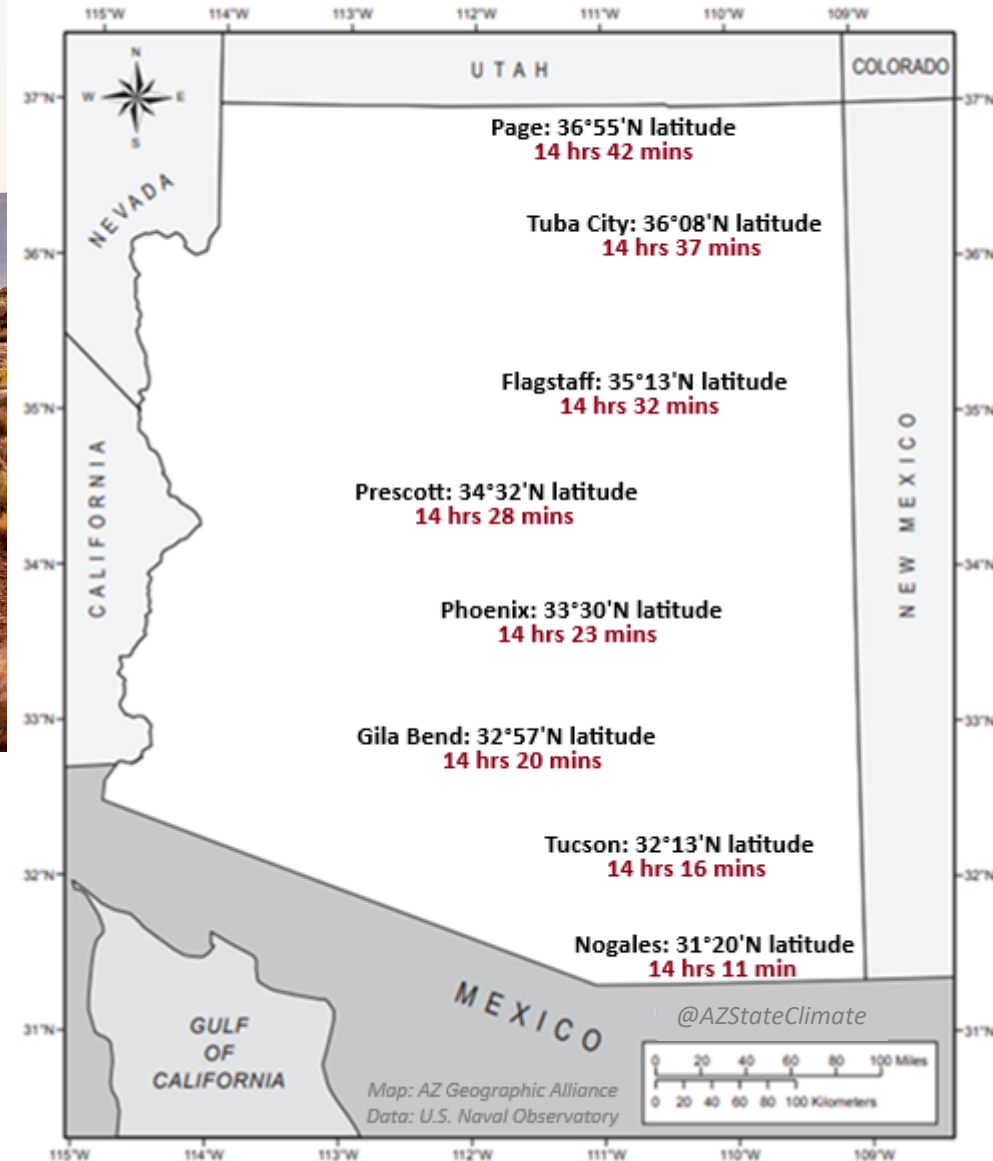


Northern hemisphere is tilted toward the sun



The earth is farthest from the sun (aphelion July 3 12:55PM AZ time)

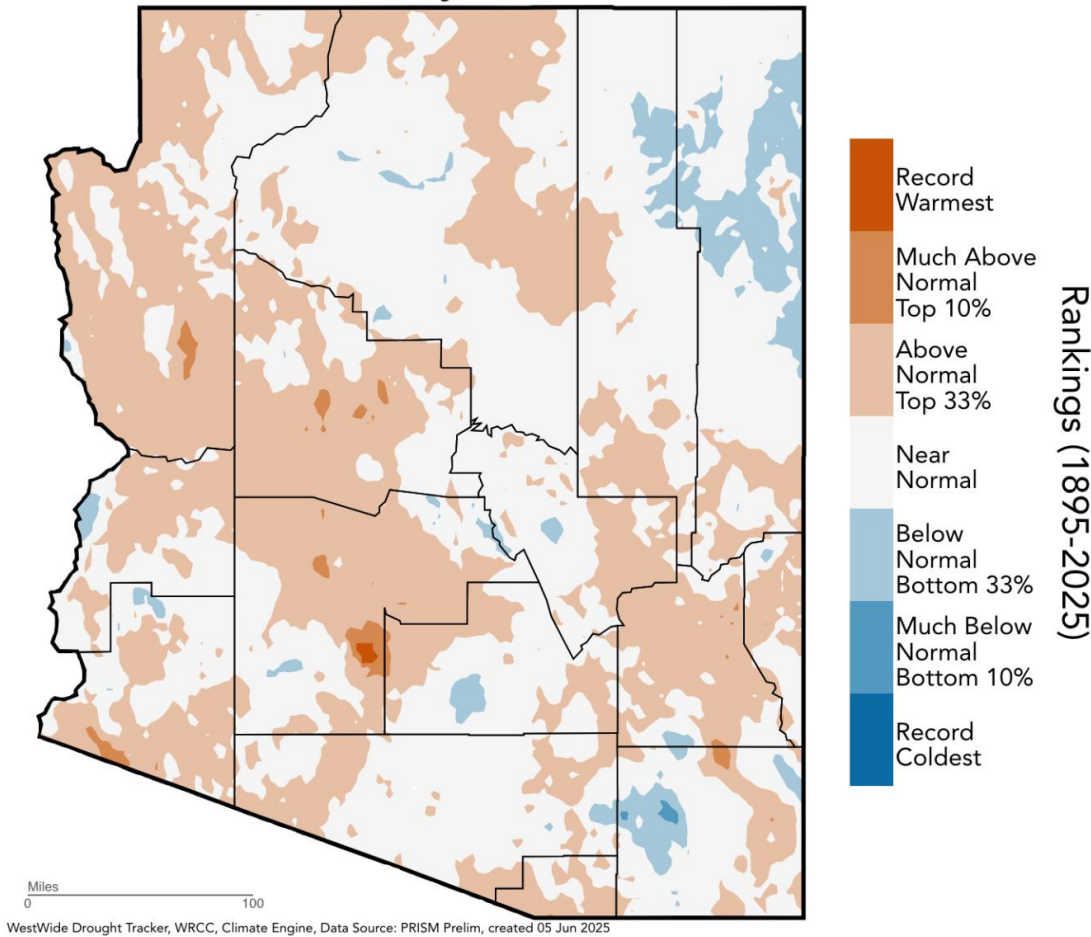
## June Solstice Daylight Hours



# May 2025: warmer

Temp: 67.4°F Rank: 30<sup>th</sup> hottest (tie) Anomaly: 2.0°F

Arizona - Mean Temperature  
May 2025, Percentile



WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Jun 2025

## Monthly County Average Temperature May 2025

Preliminary data from NOAA/NCEI as of 6/14/25

Arizona Counties	Temp	Depart	Rank
Apache	56.9°	0.5°	51 <sup>st</sup> hottest (tie)
Cochise	68.0°	1.4°	37 <sup>th</sup> hottest (tie)
Coconino	60.4°	2.1°	33 <sup>rd</sup> hottest
Gila	66.1°	2.0°	30 <sup>th</sup> hottest
Graham	68.0°	1.5°	35 <sup>th</sup> hottest (tie)
Greenlee	62.6°	0.9°	43 <sup>rd</sup> hottest (tie)
La Paz	78.8°	2.5°	29 <sup>th</sup> hottest (tie)
Maricopa	77.5°	2.5°	26 <sup>th</sup> hottest (tie)
Mohave	70.1°	2.7°	23 <sup>rd</sup> hottest (tie)
Navajo	59.3°	1.3°	39 <sup>th</sup> hottest (tie)
Pima	74.0°	2.0°	31 <sup>st</sup> hottest
Pinal	76.2°	2.4°	30 <sup>th</sup> hottest
Santa Cruz	66.8°	1.8°	32 <sup>nd</sup> hottest
Yavapai	65.5°	2.1°	30 <sup>th</sup> hottest (tie)
Yuma	78.5°	2.4°	25 <sup>th</sup> hottest (tie)

Record coldest

Top 10% coldest

Top 33% coldest

Normal

Top 33% hottest

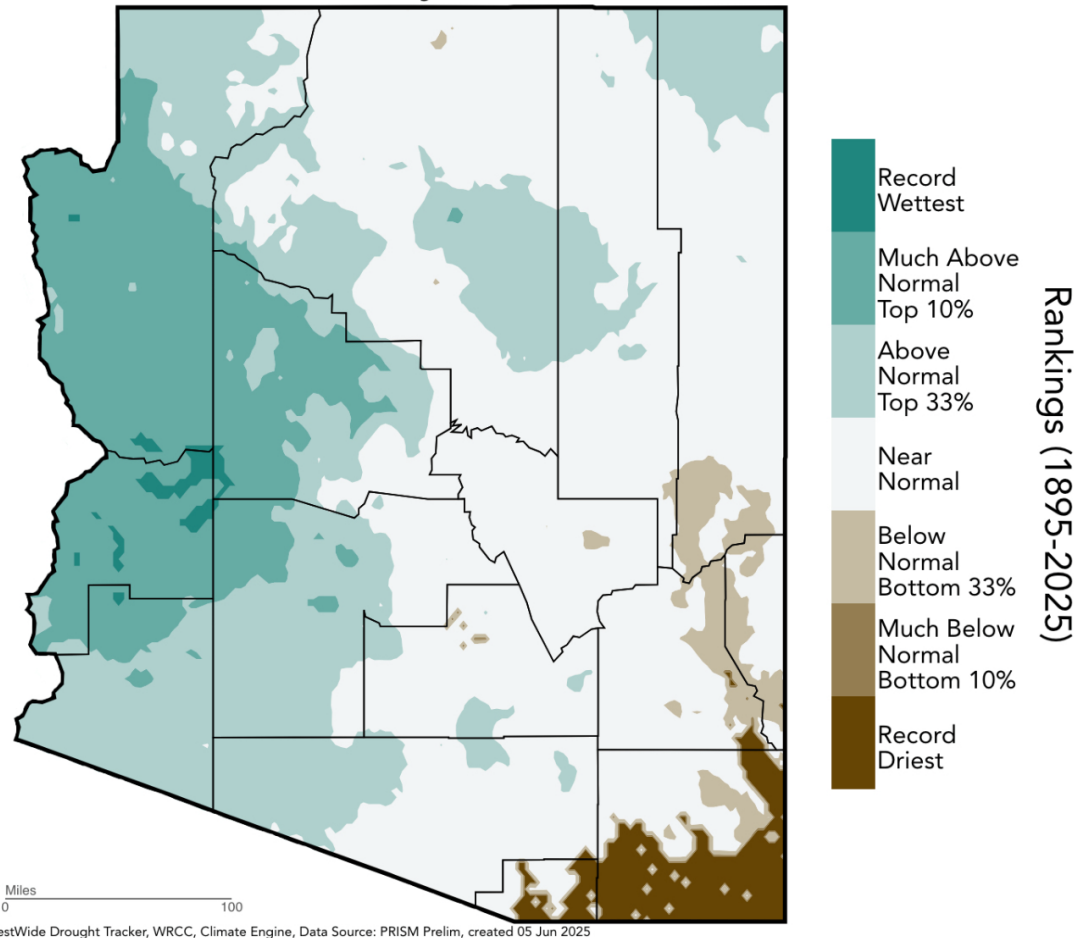
Top 10% hottest

Record hottest

# May 2025: wetter

Total: 0.45" Rank: 33<sup>rd</sup> wettest (tie) Anomaly: 0.13"

Arizona - Precipitation  
May 2025, Percentile



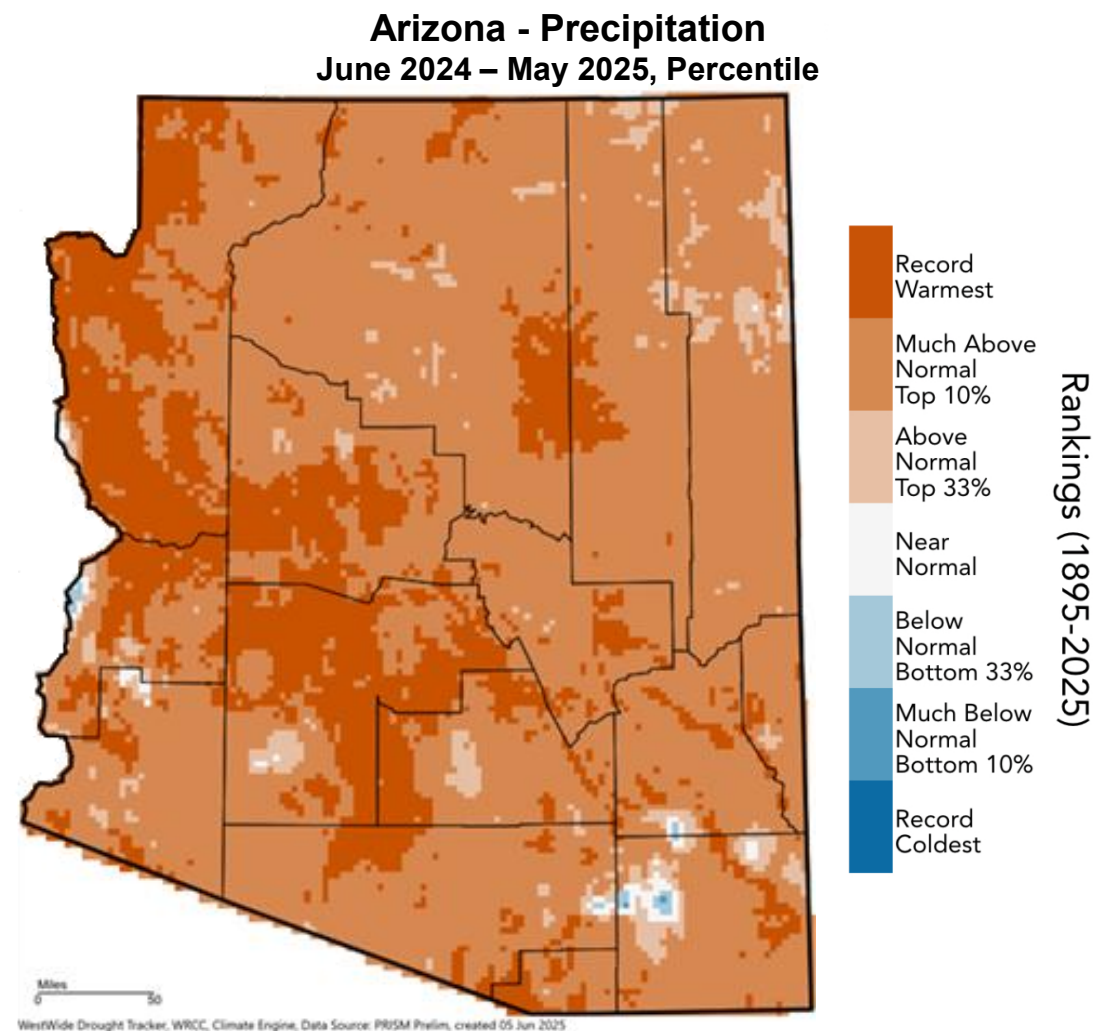
WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Jun 2025

Monthly County Precipitation						
May 2025						
Preliminary data from NOAA/NCEI as of 6/14/25						
Arizona Counties		Total	Depart	Rank		
Apache		0.44"	-0.06"	63 <sup>rd</sup> wettest		
Cochise		0.02"	-0.19"	33 <sup>rd</sup> driest (tie)		
Coconino		0.53"	0.03"	50 <sup>th</sup> wettest (tie)		
Gila		0.29"	-0.17"	63 <sup>rd</sup> driest (tie)		
Graham		0.08"	-0.22"	52 <sup>nd</sup> driest (tie)		
Greenlee		0.16"	-0.24"	50 <sup>th</sup> driest (tie)		
La Paz		0.41"	0.34"	4 <sup>th</sup> wettest (tie)		
Maricopa		0.28"	0.15"	21 <sup>st</sup> wettest		
Mohave		1.19"	0.86"	2 <sup>nd</sup> wettest		
Navajo		0.36"	-0.07"	59 <sup>th</sup> wettest (tie)		
Pima		0.13"	-0.02"	46 <sup>th</sup> wettest (tie)		
Pinal		0.23"	0.02"	42 <sup>nd</sup> wettest		
Santa Cruz		0.01"	-0.20"	36 <sup>th</sup> driest (tie)		
Yavapai		1.00"	0.62"	11 <sup>th</sup> wettest		
Yuma		0.05"	0.02"	23 <sup>rd</sup> wettest (tie)		
Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest



# Last 12 months: very warm

Temp: 63.0°F   Rank: 2<sup>nd</sup> warmest   Anomaly: 3.6°F



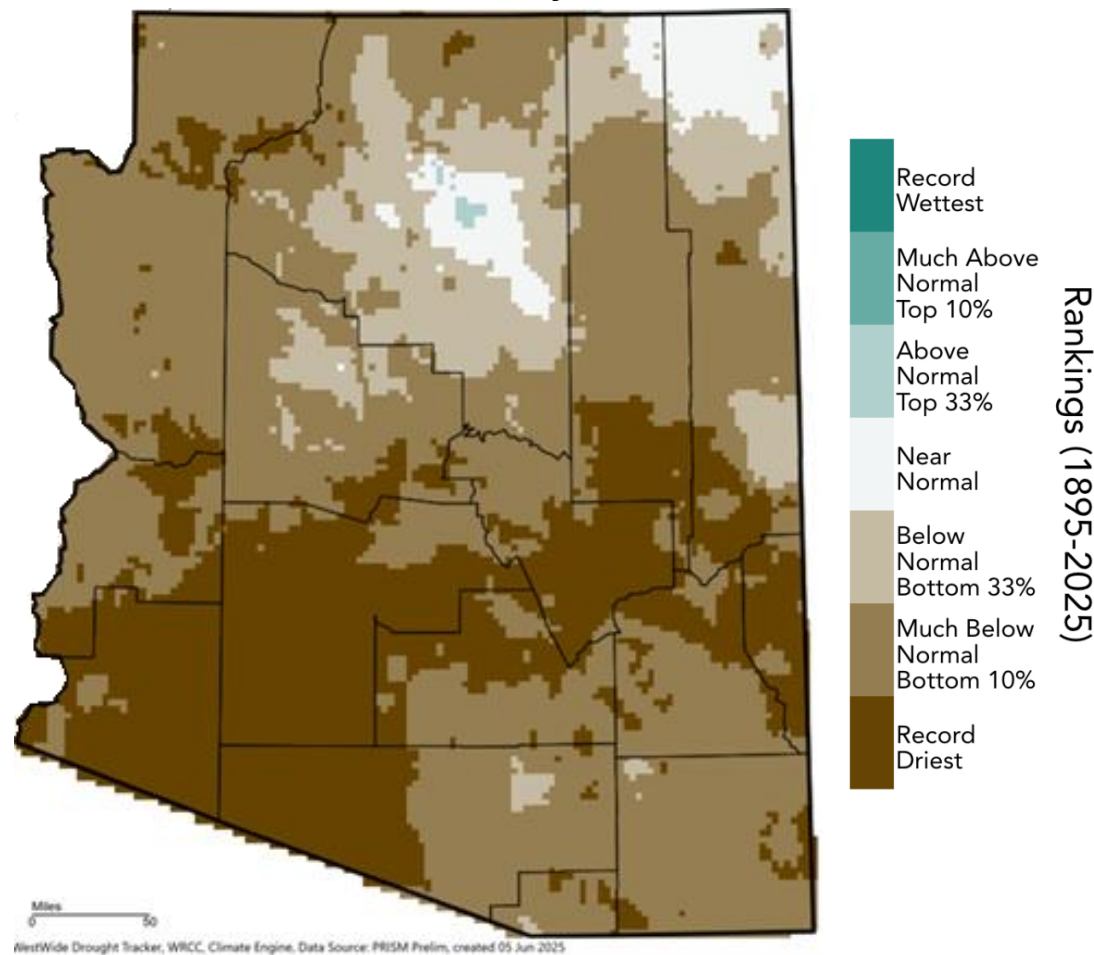
Monthly Average Temperature June 2024 – May 2025	
<small>Preliminary data from NOAA/NCEI as of 6/14/25</small>	
Month	Rank
June 2024	2 <sup>nd</sup> hottest (tie)
July 2024	2 <sup>nd</sup> hottest
August 2024	4 <sup>th</sup> hottest (tie)
September 2024	Hottest
October 2024	Hottest
November 2024	44 <sup>th</sup> coldest (tie)
December 2024	Hottest
January 2025	43 <sup>rd</sup> coldest (tie)
February 2025	2 <sup>nd</sup> hottest
March 2025	31 <sup>st</sup> hottest (tie)
April 2025	39 <sup>th</sup> hottest (tie)
May 2025	30 <sup>th</sup> hottest (tie)

Record coldest	Top 10% coldest	Top 33% coldest	Normal	Top 33% hottest	Top 10% hottest	Record hottest
----------------	-----------------	-----------------	--------	-----------------	-----------------	----------------

# Last 12 months: very dry

Total: 6.66”    Rank: 3<sup>rd</sup> driest    Anomaly: -5.93”

Arizona - Mean Temperature  
June 2024 – May 2025, Percentile



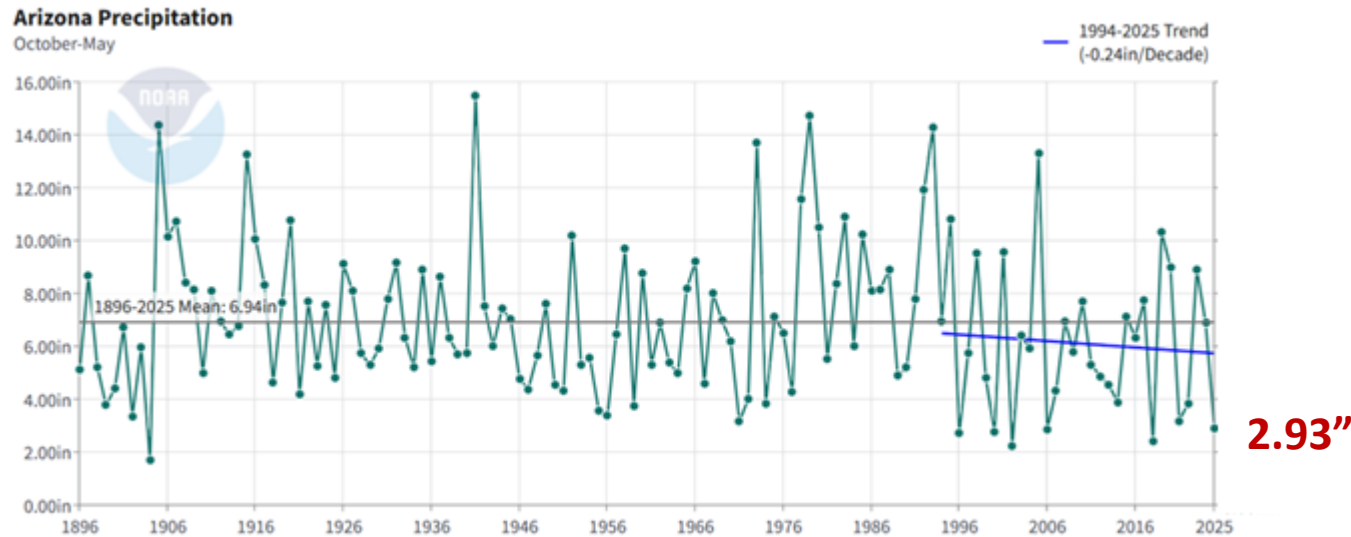
Monthly Precipitation June 2024 – May 2025	
<small>Preliminary data from NOAA/NCEI as of 6/14/25</small>	
Month	Rank
June 2024	19 <sup>th</sup> wettest
July 2024	35 <sup>th</sup> driest
August 2024	40 <sup>th</sup> driest
September 2024	15 <sup>th</sup> driest
October 2024	43 <sup>rd</sup> driest (tie)
November 2024	39 <sup>th</sup> driest (tie)
December 2024	2 <sup>nd</sup> driest
January 2025	5 <sup>th</sup> driest
February 2025	20 <sup>th</sup> driest
March 2025	57 <sup>th</sup> wettest
April 2025	57 <sup>th</sup> driest
May 2025	33 <sup>rd</sup> wettest (tie)

Record driest	Top 10% driest	Top 33% driest	Normal	Top 33% wettest	Top 10% wettest	Record wettest
---------------	----------------	----------------	--------	-----------------	-----------------	----------------

# WY2025 to date: 42% of long-term precipitation

WY2025 Oct-May:  
Total: 2.93" Rank: 7<sup>th</sup> driest Anomaly: -4.01"

*Total Precipitation Ranking (preliminary)*  
*October 1, 2024 to May 31, 2025*

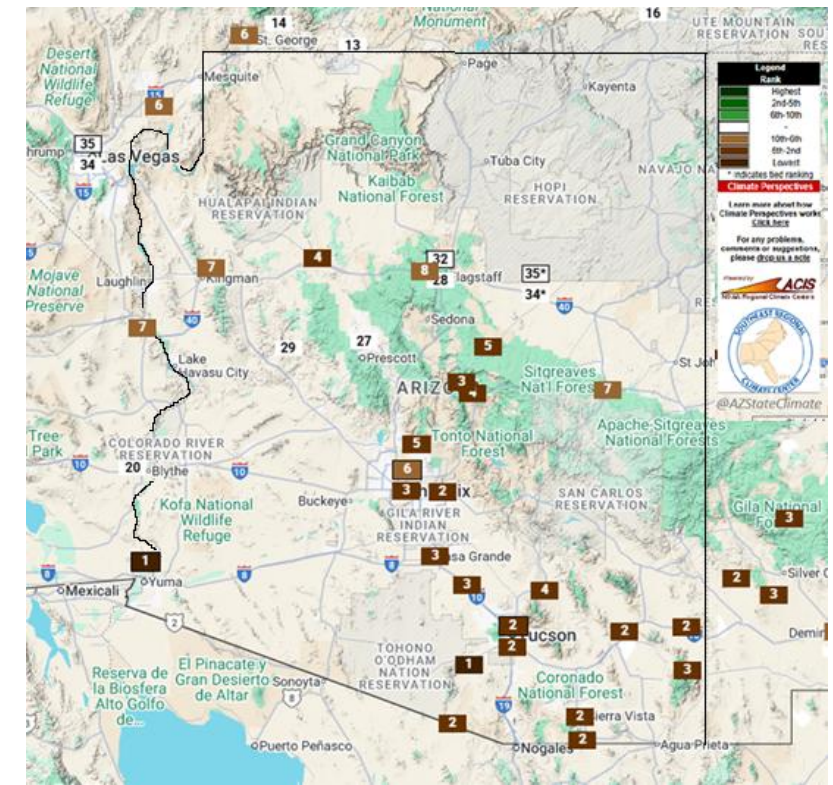


*Statewide % of long-term precipitation*  
*Oct2024-May2025 NOAA*

Oct: 49%	Feb: 25%
Nov: 43%	Mar: 94%
Dec: 0%	Apr: 66%
Jan: 8%	May: 141%

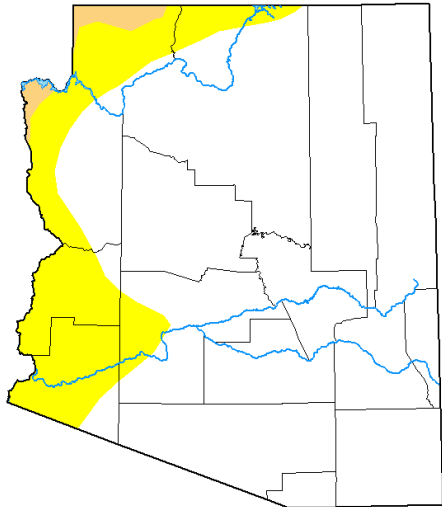
*Impacts from long-term drought*  
*Long-term average Oct-May: 6.94"*  
*1994-2025 average Oct-May: 6.13"*

*Preliminary data from NOAA/NCEI as of 6/14/25*



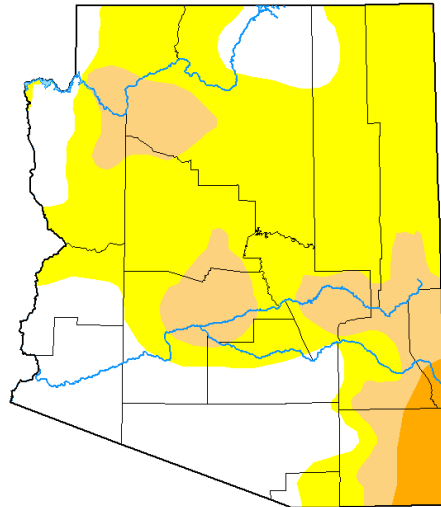
# Short-term drought advanced after dry Fall, Winter May, early June precipitation slightly improved

U.S. Drought Monitor  
Arizona



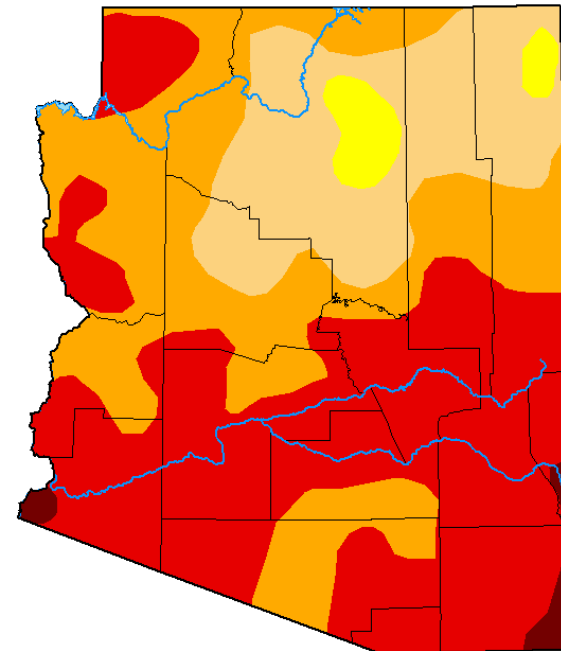
June 13, 2023  
Very wet winter 2023

U.S. Drought Monitor  
Arizona



June 11, 2024  
Wet winter 2024

U.S. Drought Monitor  
Arizona



Dry 2024 Summer, Fall, 2025 Winter  
May, early June precipitation helped slightly improve

June 17, 2025  
(Released Thursday, Jun. 19, 2025)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0	D1	D2	D3	D4
Current	0.00	2.67	19.49	31.05	45.09	1.70
Last Week 06-10-2025	0.00	2.67	19.49	30.77	45.37	1.70
3 Months Ago 03-18-2025	0.00	0.87	11.11	33.37	47.45	7.21
Start of Calendar Year 01-07-2025	3.74	19.63	31.09	31.50	14.03	0.00
Start of Water Year 10-01-2024	27.62	32.48	35.29	4.61	0.00	0.00
One Year Ago 06-18-2024	28.69	51.33	16.86	3.12	0.00	0.00

Intensity:



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:

Brad Rippey  
U.S. Department of Agriculture



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



# Arizona has fun weather communities... Join us!



The banner features a dark, stormy sky with lightning over a city at night. The University of Arizona logo and 'Arizona Institute for Resilience' are in the top left. The title 'Southwest Monsoon Fantasy Forecasts' is in large white text. A white arrow points down towards the website URL.

THE UNIVERSITY OF ARIZONA  
Arizona Institute  
for Resilience

## Southwest Monsoon Fantasy Forecasts

[monsoonfantasy.arizona.edu/](https://monsoonfantasy.arizona.edu/)



The poster has a background of weather icons. It includes the Arizona state flag, AMS Local Chapter, and National Weather Association logos. A photo of Sean Benedict is on the right. Text on the left describes the event, and text on the right provides the location and parking info. Social media and partner logos are at the bottom.

**CENTRAL ARIZONA CHAPTER**  
American Meteorological Society  
National Weather Association

**National Weather  
Service Weather  
Forecast Office  
Operations,  
Opportunities, &  
the Monsoon**  
*Sean Benedict,  
NWS Phoenix Lead  
Meteorologist*

**Wednesday,  
June 25th  
6:00pm - 8:00pm**

**Salt River Project  
1500 N Mill Ave, Tempe  
\*FREE PARKING\***

Central AZ AMS | @CentralAZAMS | nwas.org | ametsoc.org  
centralazams@gmail.com

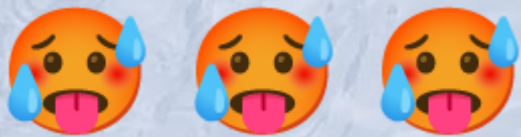
MAXICOPA COUNTY ARIZONA STATE CLIMATE OFFICE ASU

**CentralAZAMS@gmail.com**

ARIZONA STATE CLIMATE OFFICE



# Monsoon Bingo!



We can all tag the  
**Hot and Dry Day**  
"FREE space"

B	I	N	G	O
☔ Caught in the rain without an umbrella	⚡ Woken up by thunder	💬 Sent a storm pic or video to a groupchat	🚫 Your outdoor plans got canceled	📺 Watched a monsoon story on the local news
🚗 Washed your car BEFORE a storm	🌈 Saw a rainbow	📍 Took a road detour from flooding or debris	💡 Your power went out	🚗 Dust covered your car AFTER a storm
📱 Checked the weather forecast	💧 Hail ...any size!	🥵 Hot and dry day	🌧️ Walked in the rain ...on purpose!	🌧️ Record rain for the day!
🌧️ It rained at night	🧑 No rain for you during a storm	📱 Received NWS alert or warning	💧 Got splashed by a passing car	🔊 You could hear the wind howling
🗑️ Your trash cans got tipped from a storm	💧 Saw a dust storm	🚗 Windshield wipers were at max!	🌊 Your yard was flooded from a storm	🏠 Stayed in a store to take shelter from a storm



# July 17 AZ Weather Webinar



Elisabeth Haugen

Neil Large





# Dr. Michael Crimmins

Professor and Climate  
Science Extension  
Specialist

Department of Soil, Water  
and Environmental Science



COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

School of Geography,  
Development &  
Environment

