



Denver Monthly Climate Summary June, 2024

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

Issued: 7/2/2024



Monthly Overview

Other than much above normal temperatures, June 2024 was an uneventful month for weather. An active jet stream stayed north of Colorado through much of the month with a series of upper level shortwaves tracking across the Northern Rockies and periods of upper level ridging over Colorado. This pattern resulted in much above normal temperatures during much of the month with very little precipitation. Due to the limited amount of available moisture, there were several days when high based convection produced sprinkles and gusty winds. One example of this was on June 7th when Denver International Airport recorded a wind gust of 56 mph and only measured a trace of precipitation.

As for severe weather, the month was somewhat quiet with less activity than would be expected for the month of June. There were 11 days in which severe weather occurred across the forecast area with the majority of the reports across the plains east Interstate 25. The most notable day across the Front Range Urban Corridor occurred on the 9th when severe storms with large hail and torrential rain moved across Southeast Aurora and Castle Rock where 2.50 to 3.00 inches of rain was measured and hail to the size of ping pong balls was observed near Foxfield and Arapahoe Park.

On the 27th, strong outflow winds from dissipating showers produced widespread wind gusts from 45 to 60 mph across portions of the Denver Metro area. Peak wind gusts up to 70 mph occurred near the base of the foothills.



Courtesy of National Weather Service, Pueblo, CO.





Monthly Temperature Data (June)

- Temperatures were above normal in Denver this month. Denver's mean temperature was 73.8°F, which is 5.6°F above normal.
- The highest temperature for the month was 100°F on the 25th, and the lowest temperature was 50°F which occurred on the 3rd and 19th.
- Two temperature records were broken during the month.

Temperature	Observed	Normal	Departure
Average High	90.1	83.4	+6.7
Average Low	57.5	53.0	+4.5
Average Mean	73.8	68.2	+5.6

Temperature Records set this Month:

Date	Type	Observed	Previous Record (Year)
6/12	High	97	1952
6/25	High Min	68	1990





Monthly Precipitation/Snowfall (June)

- Precipitation was 1.58" below normal in Denver this month
- No snow was observed, which is the normal June snowfall
- No precipitation records were observed this month

Precipitation	Observed	Normal	Departure
Total Precipitation	0.36"	1.94"	-1.58"
# of Days w/ Measurable	6	7	-1

Snowfall	Observed	Normal	Departure
Total Snowfall	0.0"	0.0"	0.0"

Precipitation Records set this Month:

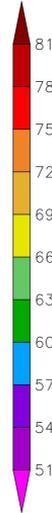
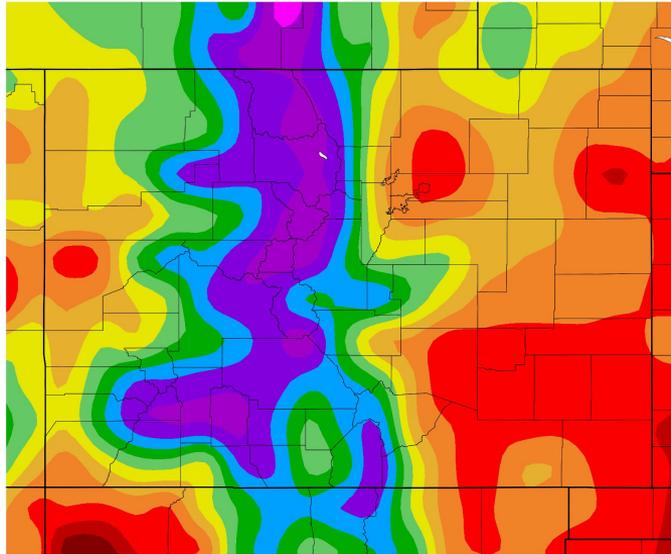
Date	Type	Observed	Previous Record (Year)
No Records Set this Month			



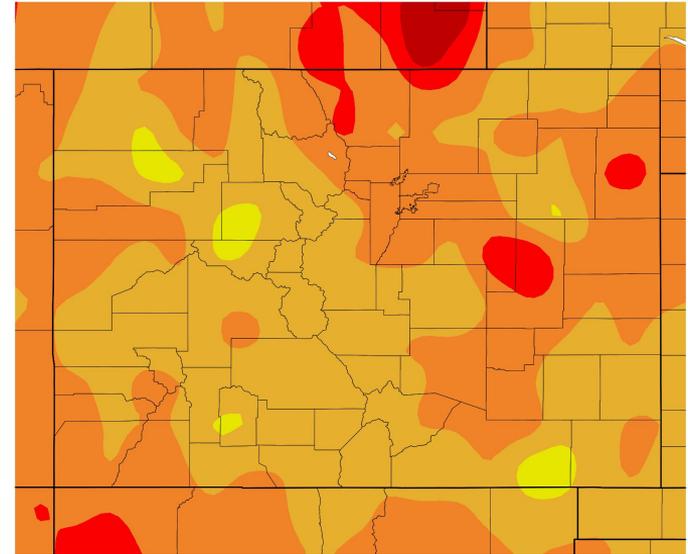


Statewide Temperature June 2024

Temperature (F)
6/1/2024 - 6/30/2024



Departure from Normal Temperature (F)
6/1/2024 - 6/30/2024



Generated 7/2/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Generated 7/2/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers





Top 10 Hi/Low Temperature Years

Average Temperatures for the Month of June (Records since 1872)

Top Ten Warmest

Rank	Temperature (°F)	Year(s)
1	75.0	2012
2	73.8	2024
3	73.5	1994
4	73.4	1956
5	72.8	2006
	72.8	1933
7	72.6	1990
8	72.4	2018
9	72.0	1952
	72.0	1881

Top Ten Coldest

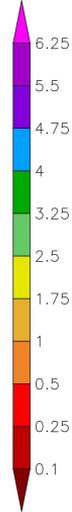
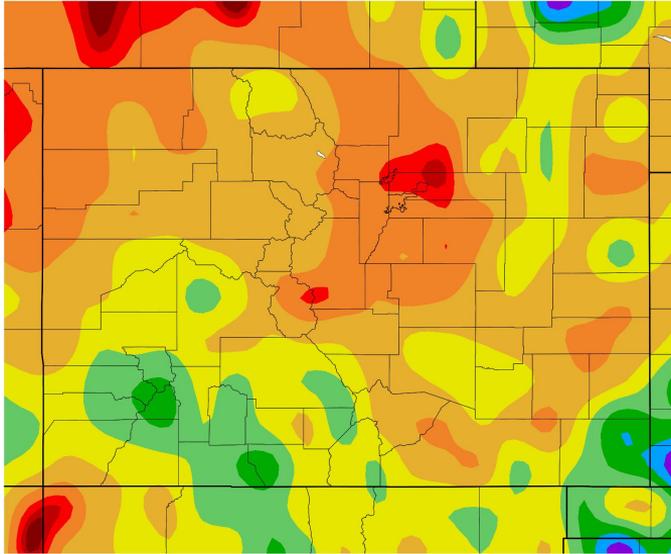
Rank	Temperature (°F)	Year(s)
1	60.6	1967
2	60.9	1951
3	61.0	1928
4	61.5	1969
	61.5	1904
6	61.7	1895
7	62.0	1945
8	62.1	2003
9	62.1	1915
10	62.2	1995



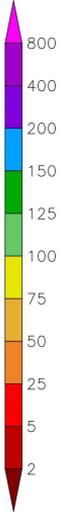
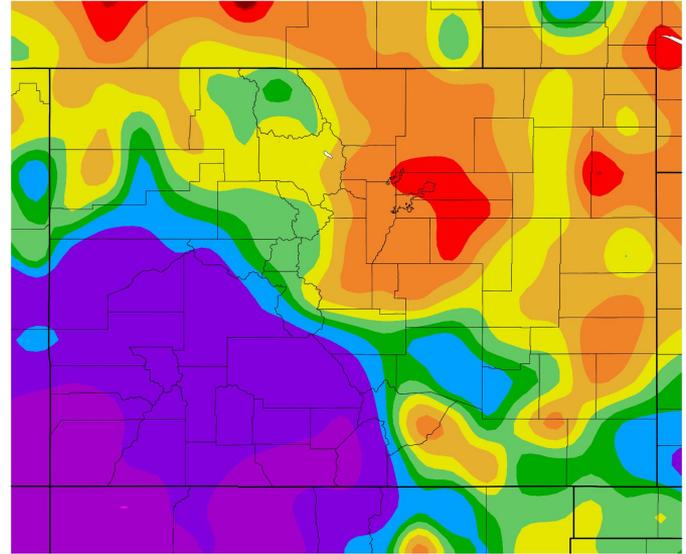


Statewide Precipitation June 2024

Precipitation (in)
6/1/2024 - 6/30/2024



Percent of Normal Precipitation (%)
6/1/2024 - 6/30/2024



Generated 7/2/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

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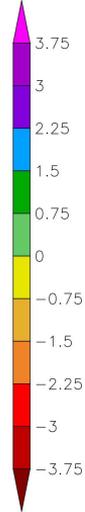
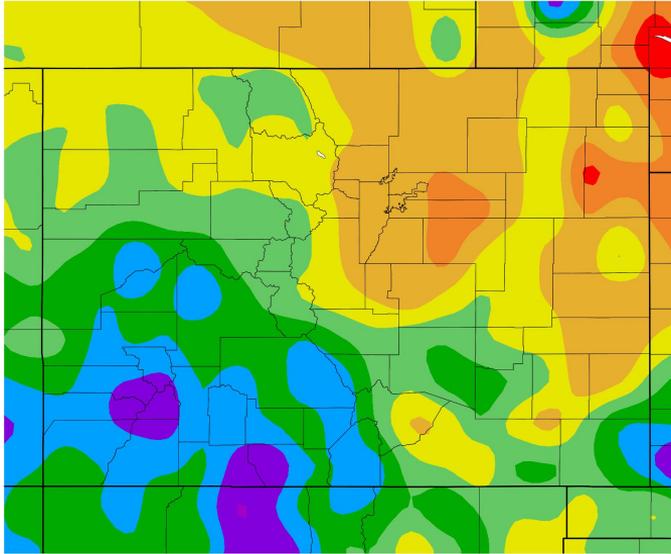
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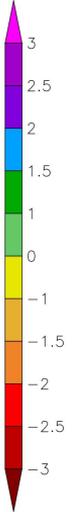
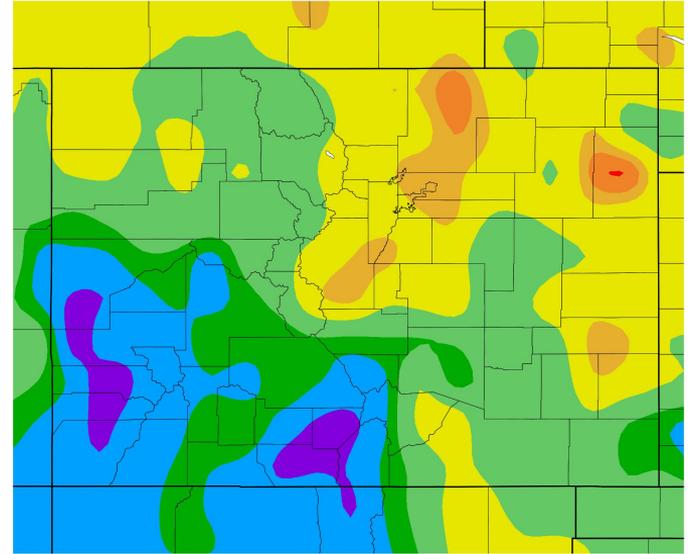


Statewide Precipitation June 2024

Departure from Normal Precipitation (in)
6/1/2024 – 6/30/2024



Monthly SPI
6/1/2024 – 6/30/2024



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Top 10 Hi/Low Precipitation Years

Precipitation during the month of June (Records since 1872)

Top Ten **Wettest**

Rank	Precipitation (in.)	Year(s)
1	6.10"	2023
2	4.96"	1882
3	4.86"	2009
4	4.69"	1967
5	4.14"	1965
6	3.99"	2005
7	3.95"	2003
	3.95"	1949
9	3.83"	1970
10	3.59"	1963

Top Ten **Driest**

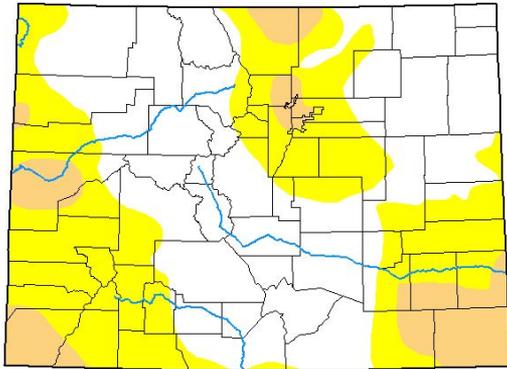
Rank	Precipitation (in.)	Year(s)
1	T	1890
2	0.08"	1916
3	0.09"	1980
	0.09"	1881
5	0.12"	2006
	0.12"	1952
7	0.13"	1893
8	0.16"	1933
9	0.17"	1930
10	0.19"	1922





Drought Conditions

U.S. Drought Monitor Colorado



June 25, 2024
(Released Thursday, Jun. 27, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	52.87	47.13	10.95	0.00	0.00	0.00
Last Week 06-18-2024	56.65	43.35	16.11	0.38	0.00	0.00
3 Months Ago 03-26-2024	65.91	34.09	7.61	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	34.65	65.35	29.59	8.85	2.05	0.00
Start of Water Year 09-26-2023	65.71	34.29	17.43	2.77	0.00	0.00
One Year Ago 06-27-2023	98.11	1.89	0.00	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme 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>

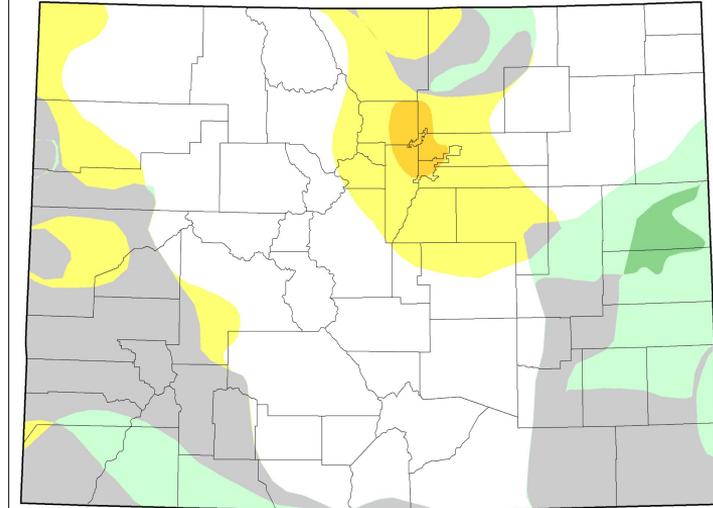
Author:

Adam Hartman
NOAA/NWS/NCEP/CPD



droughtmonitor.unl.edu

U.S. Drought Monitor Class Change - Colorado 4 Week



June 25, 2024
compared to
May 28, 2024

droughtmonitor.unl.edu



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Denver/Boulder, CO