



Denver Monthly Climate Summary October 2024

NWS Boulder



NATIONAL WEATHER SERVICE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

Issued: 11/1/2024



Monthly Overview

October 2024 2nd Warmest October on Record



Beautiful Fall Colors in Boulder October 22nd

Very dry weather and much above normal temperatures continued across North Central and Northeastern Colorado through much of October as upper level high pressure and a dry westerly flow aloft remained over the region. There were only two days with measurable precipitation during the month and twenty six days with above normal temperatures. We were on pace to be the warmest October on record; however, we slipped into second place as an upper level trough of low pressure and associated cold front brought much colder temperatures to the region the last two days of the month.



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

National Weather Service
Denver/Boulder, CO



Monthly Temperature Data (October)

- Temperatures were much above normal in Denver this month. Denver's mean temperature was 59.1°F, which is 8.0°F above normal. This makes October 2024 the 2nd warmest October on record
- The highest temperature for the month was 89°F on the 2nd, and the lowest temperature was 24°F which occurred on the 30th.

Temperature	Observed	Normal	Departure
Average High	75.1	65.3	+9.8°F
Average Low	43.2	37.0	+6.2°F
Average Mean	59.1	51.1	+8.0°F

Temperature Records set this Month:

Date	Type	Observed	Previous Record (Year)
10/02/2024	Max Temp	89°	88° (2005)
10/04/2024	Max Temp (Tie)	87°	87° (1997)
10/05/2024	Max Temp	87°	86° (1997, 1990, 1947)
10/28/2024	Max Temp (Tie)	82°	82° (2016)





Monthly Precipitation/Snowfall (October)

- Precipitation for October 2024 was only 0.11" which is 0.88 inches below normal of 0.99".
- No snow was observed, which is 3.9" below the normal October snowfall
- No precipitation records were observed this month

Precipitation	Observed	Normal	Departure
Total Precipitation	0.11"	0.99"	-0.88"
# of Days w/ Measurable	2	6	-4

Snowfall	Observed	Normal	Departure
Total Snowfall	0.0"	3.9"	-3.9"

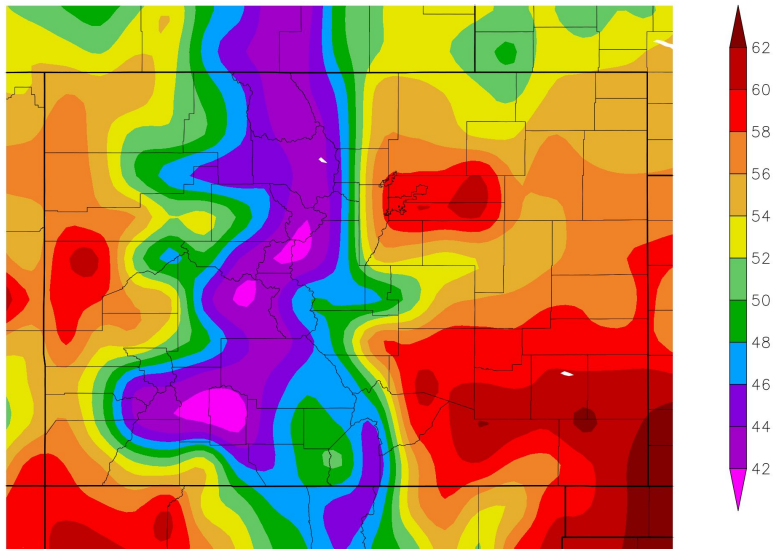
Precipitation Records set this Month:

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



Statewide Temperature October 2024

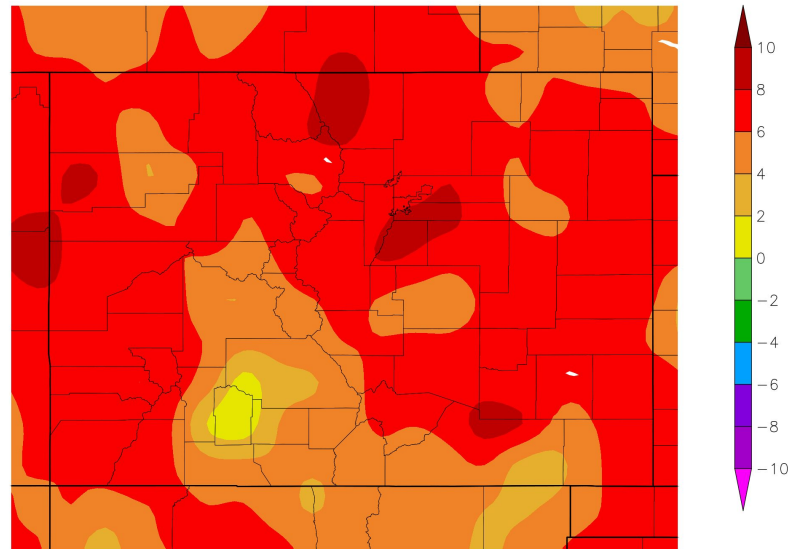
Temperature (F)
10/1/2024 – 10/31/2024



Generated 11/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Departure from Normal Temperature (F)
10/1/2024 – 10/31/2024



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Top 10 Hi/Low Temperature Years

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

Top Ten Warmest

Rank	Temperature (°F)	Year(s)
1	59.9	1950
2	59.1	2024
3	57.9	1963
	57.9	1934
5	57.8	2016
6	57.4	1933
7	57.0	1947
8	56.5	2015
9	56.3	1875
10	55.9	1956, 1940

Top Ten Coldest

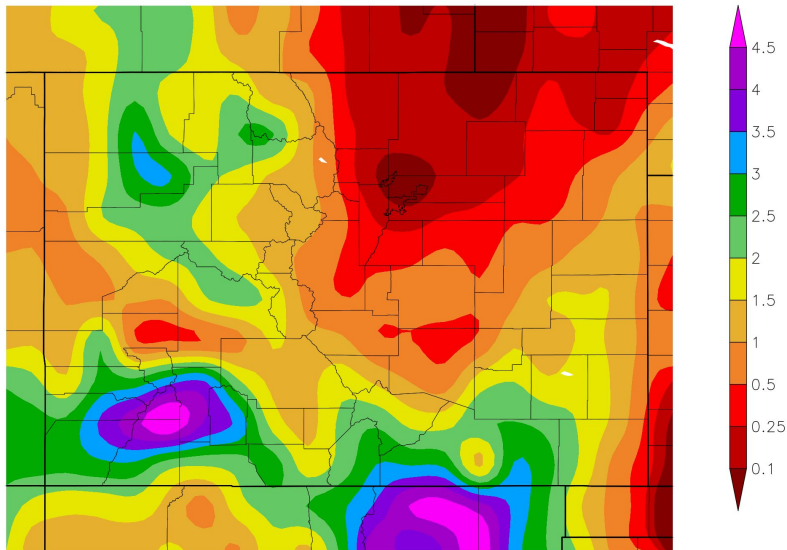
Rank	Temperature (°F)	Year(s)
1	38.9	1969
2	42.9	2009
3	43.3	1925
4	43.7	2019
5	43.9	2002
6	44.3	1923
7	44.7	1984
8	45.9	1970
9	46.3	1877
10	46.5	1919, 1913





Statewide Precipitation October 2024

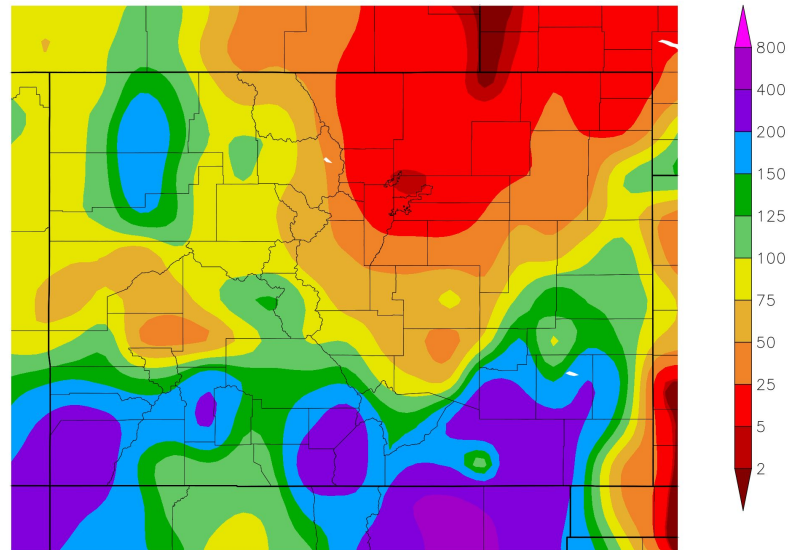
Precipitation (in)
10/1/2024 – 10/31/2024



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Percent of Normal Precipitation (%)
10/1/2024 – 10/31/2024



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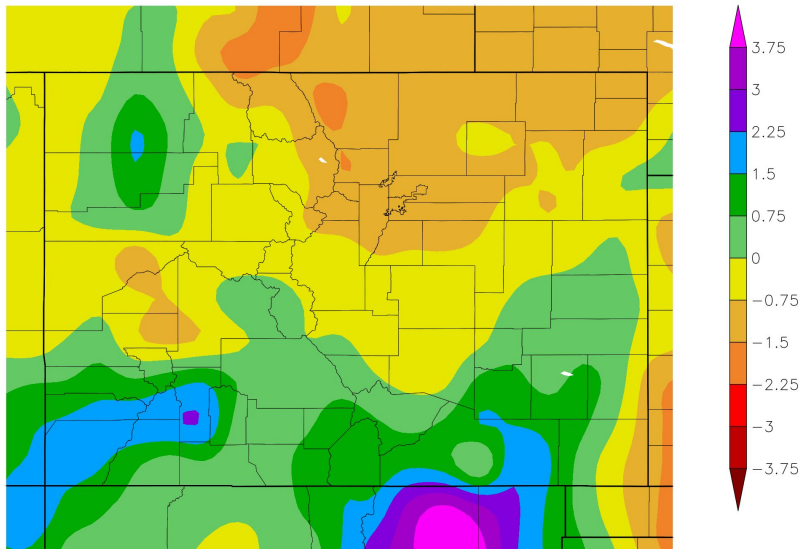
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Statewide Precipitation October 2024

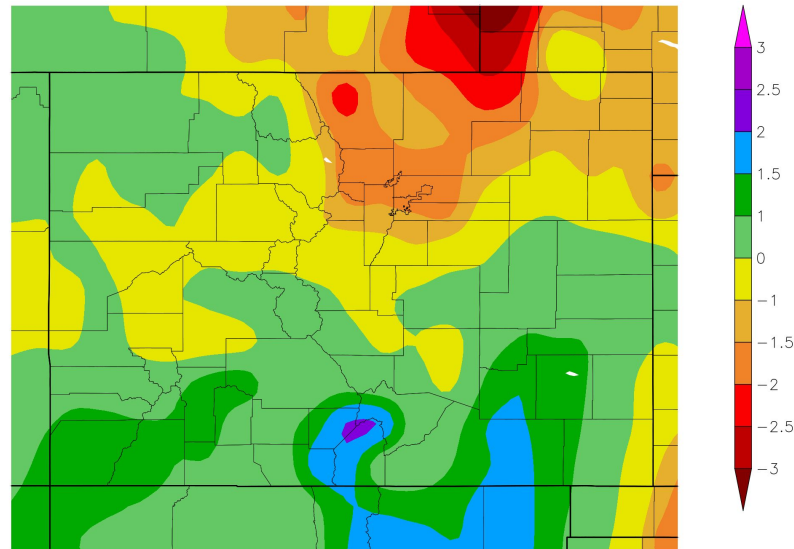
Departure from Normal Precipitation (in)
10/1/2024 – 10/31/2024



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Monthly SPI
10/1/2024 – 10/31/2024



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Top 10 Hi/Low Precipitation Years

Precipitation during the month of October (Records since 1872)

Top Ten Wettest

Rank	Precipitation (in.)	Year(s)
1	4.17"	1969
2	3.92"	1892
3	3.72"	1942
4	3.50"	1923
5	3.47"	1984
6	3.05"	1914
7	3.03"	2007
8	2.84"	1947
9	2.62"	1957
10	2.46"	1960, 1959

Top Ten Driest

Rank	Precipitation (in.)	Year(s)
1	T	1934
2	0.01	1933
3	0.05"	1962
	0.05"	1944
5	0.06"	1988
	0.06"	1954
	0.06"	1948
8	0.08"	2021
	0.08"	2003
	0.08"	2001





Top 10 Hi/Low Snowfall Years

Snowfall during the month of October (Records since 1882)

Top Ten Snowiest

Rank	Snowfall (in.)	Year(s)
1	31.2"	1969
2	22.7"	1906
3	22.1"	1997
4	17.8"	1923
5	17.2"	2009
6	16.4"	1897
7	16.2"	1929
8	14.0"	1889
9	13.8"	1905
10	13.6"	1908

Top Ten Least Snowiest

Rank	Precipitation (in.)	Year(s)
1	0.0	Several





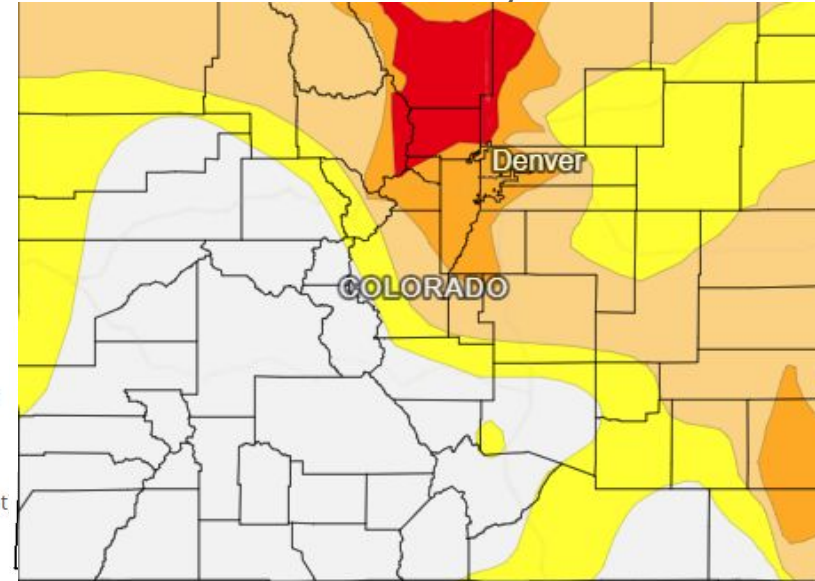
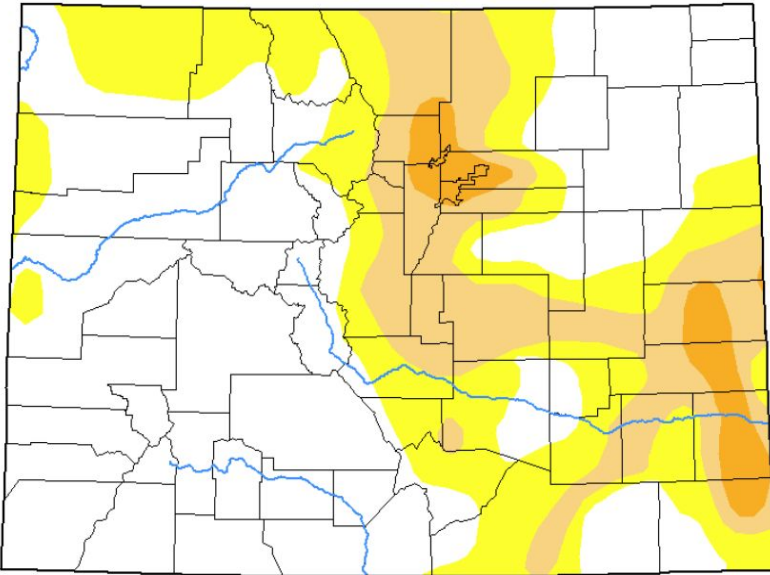
Drought Conditions Colorado

September 24, 2024

October 29, 2024

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)



With very dry conditions over the past month, drought conditions have worsened across portions of North Central and Northeastern Colorado. As of October 29th, the worst conditions stretched from the Northern Front Range Mountains across the Northern Foothills into the Northern Front Range Urban Corridor.

