

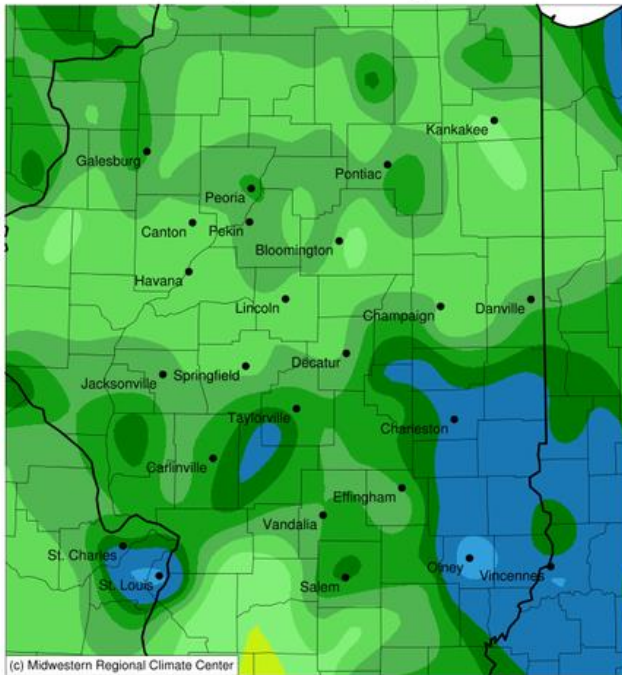


June 2023 Climate Summary

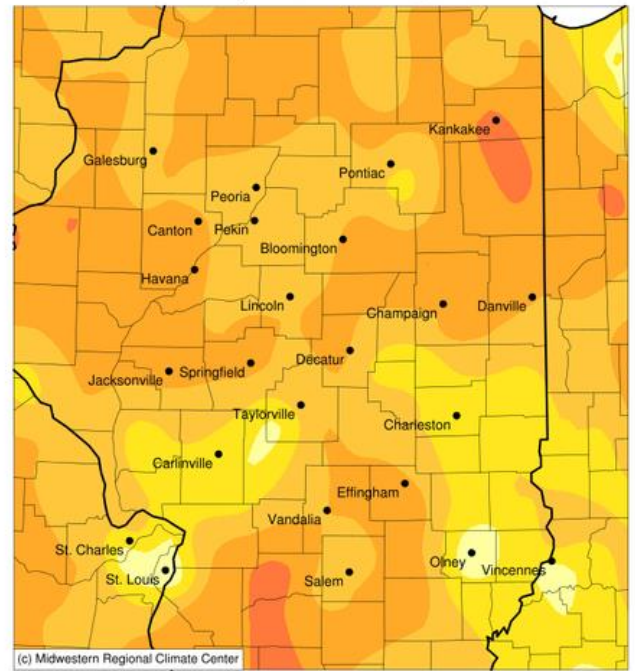
June 2023 Precipitation Highlights:

- Below normal precipitation was observed during the month of June, with much of the area experiencing rainfall deficits of 1.5 to 3.5 inches during the month. Drought conditions worsened and expanded across the state, with much of central Illinois in Severe Drought (D2) by late June.
- Several rounds of thunderstorms, including an intense derecho, occurred during the final days of the month, producing widespread rainfall totals in excess of one inch. If not for these storms, it would have been one of the driest June's on record across much of central Illinois.
- A review of the June 29th derecho can be found at this link: weather.gov/ilx/june29_derecho

Accumulated Precipitation (in)
June 01, 2023 to June 30, 2023



Accumulated Precipitation (in): Departure from 1991-2020 Normals
June 01, 2023 to June 30, 2023



0.01 0.1 0.25 0.5 1 1.5 2 2.5 3 4 5 6 8
Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Missouri FSA, Missouri Mesonet, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 7/1/2023 12:56:21 AM CDT



-4 -3 -2 -1 0 1 2 3
Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 7/1/2023 12:56:59 AM CDT



June 2023 Drought Update:

- The following contains information on the drought conditions across central Illinois as of late June. Note: This update largely does NOT factor in the thunderstorm rains that occurred on June 29-30th.
- **Intensity:** Severe (D2) drought expanded southward throughout most of central Illinois. Moderate (D1) drought expanded into adjacent portions of southeastern Illinois, covering Effingham, Jasper, Crawford, Clay, Richland, and Lawrence counties. This is the largest amount of severe drought in the Lincoln NWS coverage area since August 2012.
- **Hydrologic Conditions:** Streamflow across most of central and southeast Illinois is well below normal for this time of year (less than 24th percentile of average 7-day streamflow), with the worst conditions from west-east across the central third of the state. However, larger bodies of water such as Lake Springfield, Lake Decatur, and Lake Shelbyville are currently near their typical summer levels.
- **Agriculture Impacts:** Farmers are reporting that corn leaves are curling from the heat and dry weather, and specialty crop growers have had to irrigate regularly. Most lawns are dormant, and trees have begun to drop leaves.
- **Fire Hazards:** Burn bans were in place (as of June 29) in Mapleton (Peoria County), Danville and Hoopeston (Vermilion County), several communities in Marshall County, Homer Fire District (Champaign County).
- Please continue to report drought conditions (including improvements) in your area via: [Condition Monitoring Reports](#)

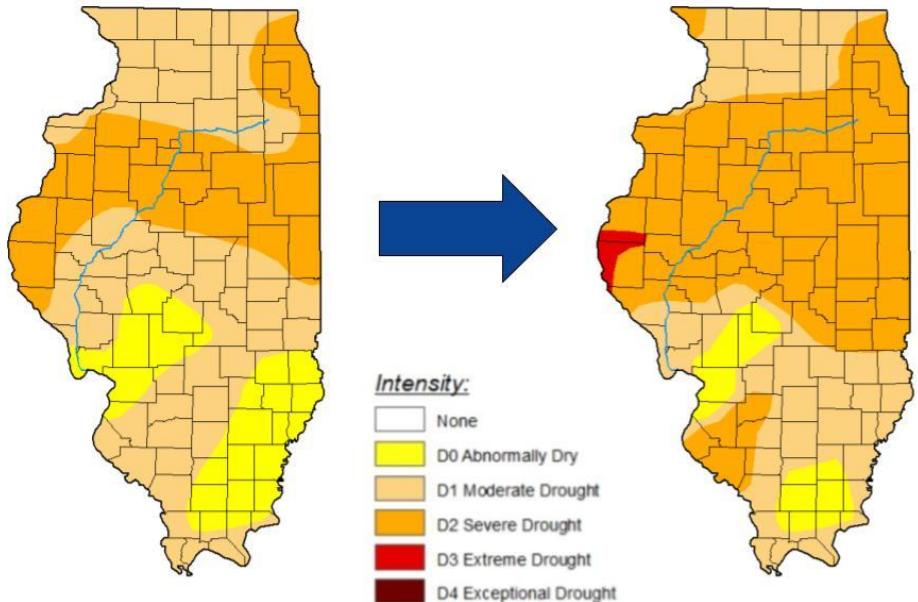
Drought Monitor (June 29th)

Moderate drought, abnormal dryness continue to expand

June 29, 2023
8:51 AM

June 22

June 29



Key Messages

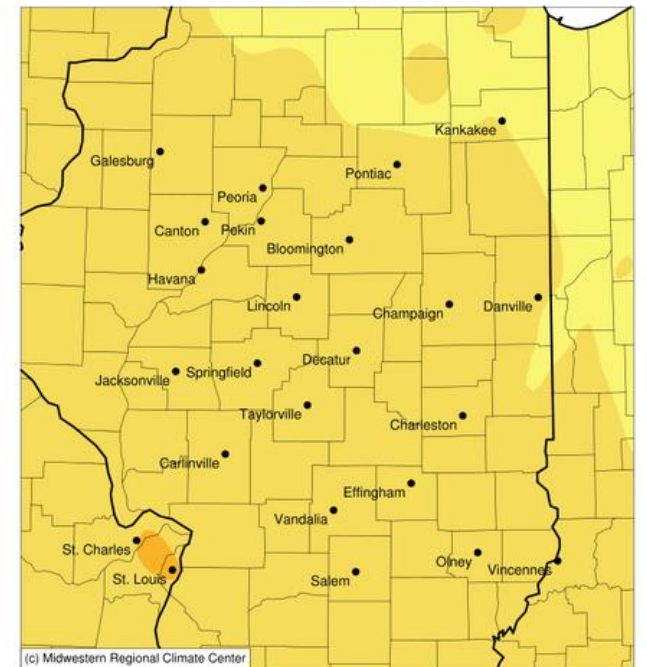
- Drought conditions continue to expand/worsen across Illinois
- Severe drought (D2) has expanded
- Extreme drought (D3) has developed in far-west central Illinois
- An active pattern is forecast over the next 3-4 days, with beneficial rains expected



June 2023 Temperature Highlights:

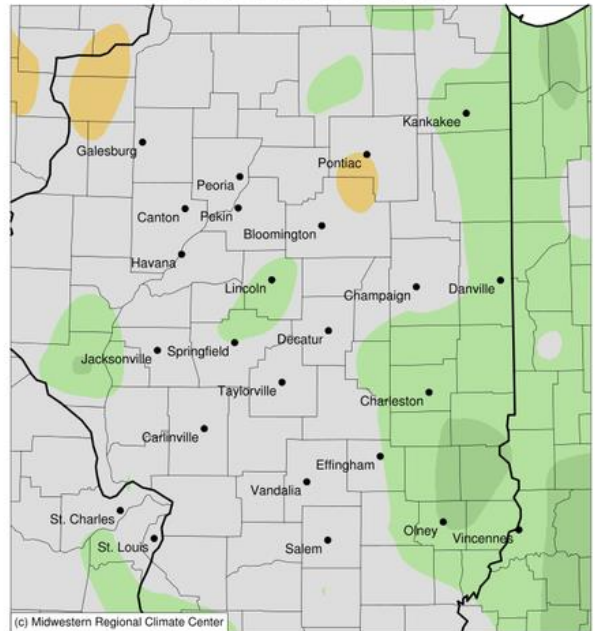
- Temperatures were variable during the month of June. Collectively, temperatures ended up being slightly below normal over the course of the month, with mean temperatures ranging from 0 to 2 degrees below normal in most places.
- The first full week of June featured well below normal temperatures, with highs in the 70s and lows falling into the 40s or low 50s.
- There were stretches of above normal temperatures during the month, though, with highs in the 90s during early June, as well as a stretch of 5 or 6 consecutive days with highs in the 90s during mid-June. Humidity values were lower than normal, which largely prevented any heat-related weather impacts.

Average Temperature (°F)
June 01, 2023 to June 30, 2023



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 7/1/2023 12:58:29 AM CDT

Average Temperature (°F): Departure from 1991-2020 Normals
June 01, 2023 to June 30, 2023



Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI, Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 7/1/2023 12:58:01 AM CDT



Climate Statistics for June 2023:

Site	Precipitation (inches)	Departure from Normal	Temperature (F)	Departure from Normal	Snowfall (inches)	Departure from Normal
Charleston	3.40	-1.44	73.0	-1.2	0.0	0.0
Danville	1.93	-3.25	70.5	-1.7	0.0	0.0
Decatur	1.35	-3.38	72.5	-0.1	0.0	0.0
Effingham	2.24	-2.63	N/A	N/A	0.0	0.0
Galesburg	2.86	-1.72	71.6	0.0	0.0	0.0
Jacksonville	1.59	-3.30	71.6	-0.5	0.0	0.0
Lincoln	1.44	-2.72	70.8	-1.5	0.0	0.0
Normal	1.82	-2.26	71.0	-0.6	0.0	0.0
Olney	4.89	0.10	71.0	-2.2	0.0	0.0
Paris	3.64	-1.38	69.7	-1.5	0.0	0.0
Peoria	1.52	-2.21	73.9	1.1	0.0	0.0
Springfield	1.37	-3.24	72.6	-1.1	0.0	0.0
Taylorville	2.38	-2.30	72.4	N/A	0.0	N/A
Urbana	1.75	-2.83	72.1	-0.3	0.0	0.0

The following links are the monthly climate summaries for area cities. Only the summaries for Peoria, Springfield, and Lincoln are considered "official", meaning they are the station of record for their respective locations. The other summaries are "supplemental", meaning another location in the area is the official climate station for the city.

- [Peoria](#) -- Peoria International Airport
- [Springfield](#) -- Abraham Lincoln Capital Airport
- [Lincoln](#) -- National Weather Service Office
- [Champaign](#) -- University of Illinois-Willard Airport
- [Decatur](#) -- Decatur Airport
- [Lawrenceville](#) -- Lawrenceville-Vincennes International Airport
- [Mattoon](#) -- Coles County Memorial Airport

Climate data for other cities is available at <http://w2.weather.gov/climate/xmacis.php?wfo=ilx>



July 2023 Look Ahead:

- Official outlooks from NOAA's Climate Prediction Center (CPC) show equal chances of below or above normal temperatures during July. Above normal precipitation is favored across the entire state of Illinois during July.

