Key Messages

➔ Summer outlook calls for increased chances of warmer than normal temperatures
➔ The outlook is leaning drier than normal in western Kentucky in July
➔ Drought may develop in some areas, especially in the western half of the state
➔ Drought onset has already occurred in some areas
Equal Chances

Roughly a 33% chance of above normal, near normal, and below normal
Recent Weather

Past Precipitation and Temperature

7-Day
Average temperature % departure from mean June 16, 2022 to June 22, 2022

30-Day
Average temperature % departure from mean May 24, 2022 to June 22, 2022

Precipitation maps: percent of normal
Temperature maps: departure from normal

90-Day

120-Day

Wet
Dry
Cool
Warm

Precipitation maps: percent of normal
Temperature maps: departure from normal

Generated 6/24/2022 at HRSCC using provisional data.
NOAA Regional Climate Center 6/24/2022 at HRSCC using provisional data.
NOAA Regional Climate Center
Small pockets of Moderate Drought in Kentucky and Indiana

The Drought Monitor focuses on basin-specific 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/NC/EPICPC

USDA
droughtmonitor.unl.edu

USDA
droughtmonitor.unl.edu
Year-to-Date

Temperatures and Precipitation So Far This Year

Louisville International

Louisville Bowman

Lexington
Year-to-Date
Temperatures and Precipitation So Far This Year

**Bowling Green, KY - 2022**

- Temperature (Deg F)
- Precipitation (Inches)
- Snow (Inches)

**Frankfort, KY - 2022**

- Temperature (Deg F)
- Precipitation (Inches)
- Snow (Inches)
Agricultural Impacts

Crop and Soil Moisture

Crop Moisture Index by Division
Weekly Value for Period Ending Jun 18, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile

Soil Moisture Index

Calculated Soil Moisture Anomaly (mm)
JUN 22, 2022

Crop Moisture
-3.0 or less (Severely Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to -0.9 (Slightly Dry/Favorably Moist)
0.0 to 0.0 (Normal)
+0.9 to +1.0 (Abnormally Moist)
+2.0 to +3.0 (Wet)
+3.0 and above (Excessively Wet)

Soil Moisture Index

Based on preliminary data

National Weather Service
Louisville, KY
### Louisville, Kentucky

**Monthly/Seasonal/Annual Climatological Normals 1991 - 2020**

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<th>January</th>
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### Lexington, Kentucky

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Climate Information for Central Kentucky and Southern Indiana
https://www.weather.gov/lmk/climate

National Normals Maps
https://www.weather.gov/lmk/normals

Normals from NCEI