Drought Information
Drought-related information for southern Indiana and central Kentucky

Key Messages

➔ Moderate drought is becoming more widespread
➔ Agricultural products are showing signs of drought stress
➔ Some counties have initiated burn bans

July 5, 2022
(Released Thursday, Jul. 7, 2022)
Valid 8 a.m. EDT
Soil Moisture

Soil Moisture Is Running Low

Calculated Soil Moisture Ranking Percentile
JUL 06, 2022

Crop Moisture Index by Division
Weekly Value for Period Ending Jul 02, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile

- 3.0 or less (Severely Dry)
- 2.0 to 3.0 (Excessively Dry)
- 1.0 to 1.5 (Abnormally Dry)
- 0.0 to 1.0 (Slightly Dry/Normal Moist)
- +1.0 to +1.5 (Abnormally Wet)
- +2.0 to +3.0 (Wet)
- +3.0 and above (Excessively Wet)

Based on preliminary data

Calculated Soil Moisture Ranking Percentile
The Long Term Palmer Drought Severity Index Indicates Dryness

Kentucky Drought Impact Reporter

https://arcg.is/0KjTGe0
Percentage of Normal Precipitation

Rainfall Has Been Scarce Recently

Accumulated Precipitation: Percent of Mean
June 30, 2022 to July 6, 2022

Accumulated Precipitation: Percent of Mean
June 7, 2022 to July 6, 2022

Percent of Normal Precipitation (%)
4/8/2022 – 7/6/2022

7-Day

30-Day

90-Day
Observed Fire Danger Class: 07-Jul-22

Obs. or Computed 10-Hour FM: 07-Jul-22
Outdoor Burning Is Discouraged in Some Areas

Keetch-Byram Drought Index:

- **0 to 200**: Low - Wet with little danger of fire initiation
- **201 to 400**: Moderate - Drying occurring with some fire danger
- **401 to 600**: High - Ground cover dry and will burn readily
- **601 to 800**: Extreme - Dead and live fuels will burn readily

Southern Indiana Burn Bans:
- Barren
- Edmonson
- Logan
- Marion
- Mercer
- Metcalfe
- Taylor
- Todd
- Warren

Kentucky Burn Bans:
Drought Outlooks
Dry Weather Is Expected to Continue

U.S. Monthly Drought Outlook
Drought Tendency During the Valid Period

Valid for July 2022
Released June 30, 2022

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for July 1 - September 30, 2022
Released June 30, 2022

Consistency adjustment based on Monthly Drought Outlook for July 2022

Note: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author: Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

http://go.usa.gov/3eZGd

http://go.usa.gov/3eZ73
Long Term Precip and Temp Outlooks

Looking Farther into the Future...

8-14 Day Temperature Outlook

8-14 Day Precipitation Outlook

National Oceanic and Atmospheric Administration
U.S. Department of Commerce
National Weather Service
Louisville, KY
One-Stop Drought Information Page for Southern Indiana and Central Kentucky

https://www.weather.gov/lmk/drought

United States Drought Monitor

https://droughtmonitor.unl.edu