

# KENTUCKY DROUGHT IMPACTOR REPORTER

SOUTHEAST DEWS PARTNERS DIALOGUE

AUGUST 10, 2022

CHIP ZIMMER

KENTUCKY DIVISION OF WATER



- HOW WE GOT HERE

- STARTED WITH DEVELOPMENT OF A SURVEY123 IMPACT REPORTER FOR THE STATE.
- BEGAN COORDINATING WITH KELLY SMITH AT NDMC AND MONTANA AFTER DISCOVERING SIMILAR PROJECTS WERE IN THE WORKS
- RECENTLY WORK WITH NDMC AND SEVERAL STATES TO DEVELOP A CENTRALIZED REPORTER VERSUS STATES EACH HAVING INDEPENDENT ONES.
- THIS LEAD TO THE DEVELOPMENT OF THE CURRENT CONDITION MONITORING OBSERVER REPORTS (CMOR)

**How dry or wet is it?\***

Please use what you know about your part of the country and base your observation on what is normal for this time of year. A normal dry season is not the same as drought.

**Severely Dry:** There is no soil moisture. Ponds, lakes, streams and wells may be nearly empty or dry. Producers may have crop or pasture losses. Mandatory water restrictions may be in place.

**Moderately Dry:** Plants may be brown due to dry conditions. Streams, reservoirs or well water levels may be low. Voluntary water use restrictions may be in place. There may be water shortages. Plants, crops or pastures may be stressed. Soil is dry.

**Mildly Dry:** Growth may have slowed for plants, crops or pastures. Soil is somewhat dry. Local plants, pastures or crops may not have fully recovered if conditions are changing from drier to wetter.

**Near Normal:** What you're seeing is what you expect for this time of year.

**Mildly Wet:** Local plants, crops or pastures are healthy, recovering from dry conditions or draining from wet conditions. Soil moisture is above normal.

**Moderately Wet:** Local plants, crops or pastures are healthy and lush. Soil is very damp and the ground may be saturated with water. There may be standing water in low areas and ditches. Water bodies may be fuller than normal.

**Severely Wet:** Water levels in lakes, streams and ponds are well above normal. Standing water covers some areas that are normally dry. Soil is wet and ground is completely saturated. There may be flooding.

Severely Dry   Moderately Dry   Mildly Dry   Near Normal   Mildly Wet   Wet   Severely Wet

**How much experience do you have with conditions there?**

Less than 5 years

5-10 years

10-20 years

20 or more years

**Condition Monitoring Observer Reports (CMOR)**  
National Drought Mitigation Center, University of Nebraska

Dashboard Year to Date   Dashboard 2018 - Yesterday   Detail Year to Date   Detail 2021   Detail 2020   Detail 2019   Detail 2018   Info

**Filter Options**

Select Date Range  
 Predefined   Calendar  
 • Year to Date  
 Past 30 Days  
 Past 7 Days  
 Reset

Select State  
 Select one or more

Select County  
 Select State First

Select How Dry or Wet  
 Select one or more

Reports with Photos  
 Show All Reports

Display Name  
 Select one or more

**Report Detail: 6/30/2022**  
 State/Territory: Kentucky  
 County: Jessamine  
 Date: 6/30/2022  
 How dry or wet is it? Moderately Dry  
 How much experience do you have with conditions there?  
 less than 5 years

**Report Details**  
 Display limited to 2,000 reports in order of most recent. Displayed reports correspond to filter selections.

State/Territory: Nebraska  
 County: Dundy  
 Date: 8/5/2022

How dry or wet is it? Severely Dry

How much experience do you have with conditions there?  
 20 or more years

How many times in the past have you seen it like this?  
 Never

How localized or widespread are the conditions you are reporting?  
 Widespread Yuma CO to McCook NE to Colby KS to Grant NE

How are crop conditions at this time?  
 Very Poor - Extreme degree of loss to yield potential, complete or near crop failure.

Harvest Status:  
 Earlier than normal

Crop production:  
 less\_water\_for\_irrigation, reduced\_yield, insect\_infestati on, crop\_disease, plant\_stress, added\_well\_dam\_pipe\_et c, increased\_irrigation, erosion, less\_water\_in\_ponds\_cre eks, etc other.

Crop production - Other:  
 Lower 50% of irrigation pumps, IRRIGATED CROPS DYING, SEVERE wind erosion this spring in both crop field and native pasture lands. Most irrigations wells have dropped at least 300 gallons per minute below 500GPM and lost 20-30 FPS.

**All Impact Categories**

Number of reports

2022   Feb 2022   Mar 2022   Apr 2022   May 2022   Jun 2022   Jul 2022

All Impact Categories

- DIFFICULTIES

- INTERNAL ISSUES

- LACK OF PARTICIPATION

- NO DROUGHT (2019 AND 2020 TOP 10 WETTEST YEARS; 2021 TOP 25).
    - COVID
    - AVAILABLE MANPOWER

- NEXT STEPS

- JUST COMPLETED STORY MAP TO HOUSE DROUGHT INFORMATION AND REPORTING.

- [HTTPS://WATERMAPS.KY.GOV/DROUGHT/STORY.HTM](https://watermaps.ky.gov/drought/story.htm)

- EDUCATION

- DEVELOPMENT OF AN INFORMATIONAL PAMPHLET THAT CAN EASILY BE DISTRIBUTED
    - ATTENDING MEETINGS/WORKSHOPS TO GET THE WORD OUT.