



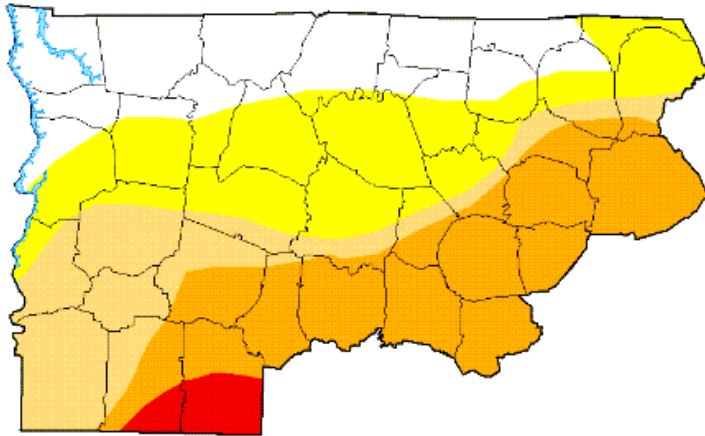
BECAUSE EVERY DROP COUNTS!

MONTHLY NEWSLETTER

JULY 2024 - ISSUE 15



The Return of Drought



Map released: Thurs. July 18, 2024

Data valid: July 16, 2024 at 8 a.m. EDT

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Rain totals during the month of June were below normal. Nashville's official rain total for the month was 2.58 inches, below the normal value of 4.36 inches. Some locations were worse off though, like Crossville which measured only 0.81 inches — well below their normal of 4.93 inches. This dry month allowed for drought conditions to return to Middle Tennessee. As of July 16, roughly the southern half of the area as well as portions of the Cumberland Plateau are in moderate to severe drought conditions. Southern portions of Lawrence and Giles counties are in extreme drought, unfortunately. The good news? Relief should be on the way thanks to July's more wet pattern.

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Condition Monitoring Reports

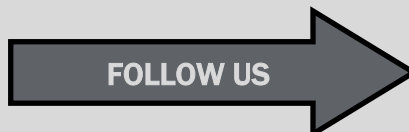
What are conditions like in your area? Is it drier than normal or wetter than normal? Let us know! CoCoRaHS offers a Condition Monitoring Report that allows you to tell us exactly what moisture values are like in your area and how they differ from normal. The best part is this is directly used in the drought process! And with drought conditions creeping back into the area, there's no better time to start using this report if you haven't already!

Interested in learning more? Check out [this guide](#) to Condition Monitoring.

Top 10 CoCoRaHS Stations of 2024 (So Far)

Station Number (Station Name)	Precipitation Total (inches)
TN-MT-79 (Clarksville 4.9 NW)	49.63
TN-WR-10 (McMinnville 8.5 ESE)	43.85
TN-FN-6 (Clarkrange 6.0 NE)	43.64
TN-SR-50 (Bethpage 4.5 NW)	43.52
TN-GY-2 (Beersheba Springs 2.1 ENE)	43.27
TN-SR-32 (Westmoreland 5.4 NNE)	42.95
TN-PM-10 (Cookeville 4.6 WNW)	42.73
TN-ST-10 (Dover 7.8 NNE)	42.53
TN-RB-48 (Cross Plains 1.9 NNW)	41.91
TN-SR-84 (Hendersonville 4.7 N)	41.78

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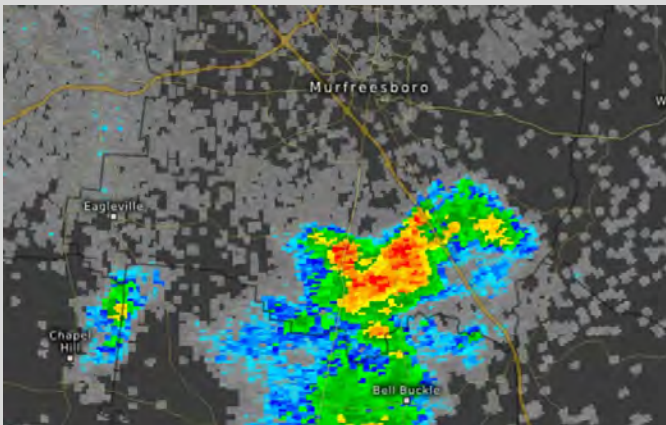


The Importance of CoCoRaHS

Data is valuable, and you as a CoCoRaHS observer provide valuable data to many. Your precipitation data, for instance, helps to fill in data gaps and aid in creating a high-density, quality precipitation network.

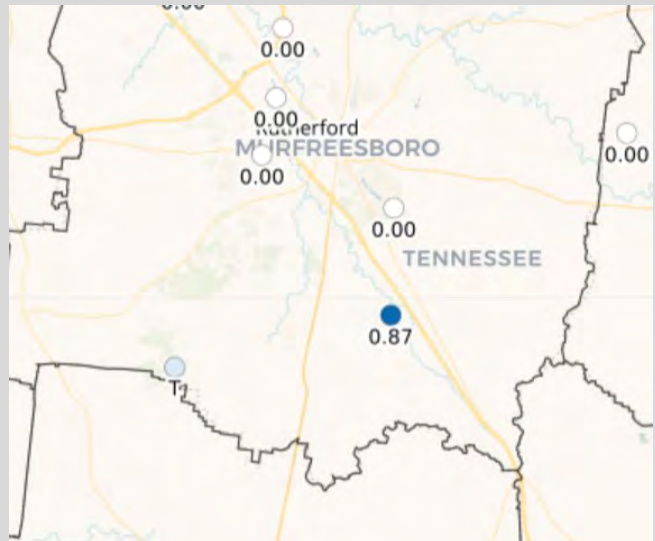
Have you ever noticed how spotty rain can be some times? Probably the best example of this is this time of the year with summer storms. With pop-up afternoon storms, some locations can be lucky with adding to the rain gauge with others left out completely. A great example of this is the difference between the Nashville airport and the Nashville National Weather Service Office — a difference of 12 miles. The airport's total for the month of July so far is only 0.44 inches. Meanwhile, our office has measured 5.88 inches of rain in the same amount of time!

A CoCoRaHS observer recently shared with me another great example from July 14th. The observer (station number TN-RD-126) got lucky with a pop-up thunderstorm that produced 0.87 inches of rain. Everyone else around received nothing. And to map this data with such accuracy is only possible because of observers like you!



(Top) Radar imagery from July 14, 2024 at 7:27 PM

(Right) CoCoRaHS map showing rain from localized thunderstorm



Thanks TN-RD-126 for sharing!

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Meet
Jerry!

Jerry has been a CoCoRaHS observer for about 16 years and is the longest-serving observer in Fentress County! Jerry decided to become a CoCoRaHS observer because he likes keeping up with precipitation and temperature data, and one of his favorite parts about the program is seeing what is going on in other parts of the country. Jerry is retired from the Navy. He enjoys woodworking and cutting the grass, and he lives with his two cats—Squirt and Misty.

I would love to recognize and highlight YOU in these newsletters! If you're interested, tell me about yourself via [this form](#).

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