It’s not the Heat; it’s the Dew Point…

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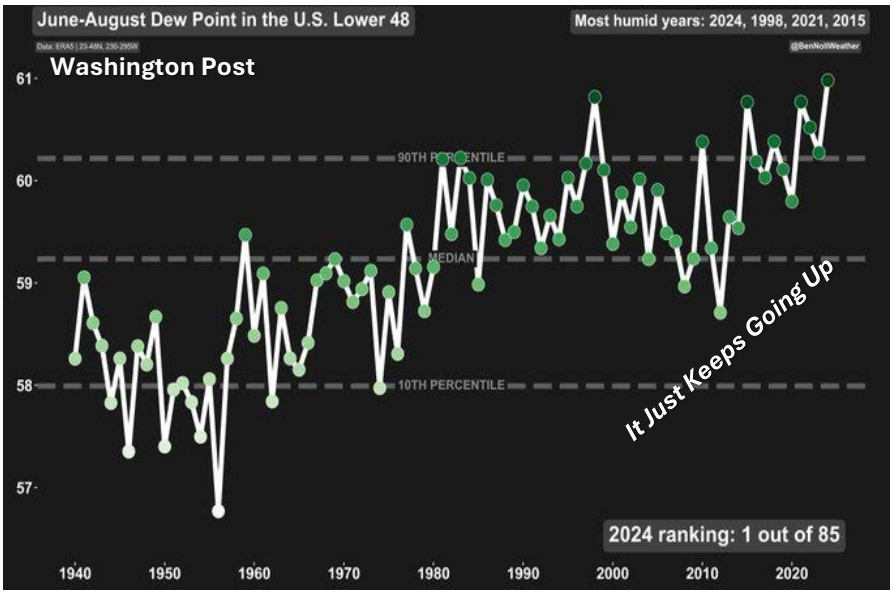
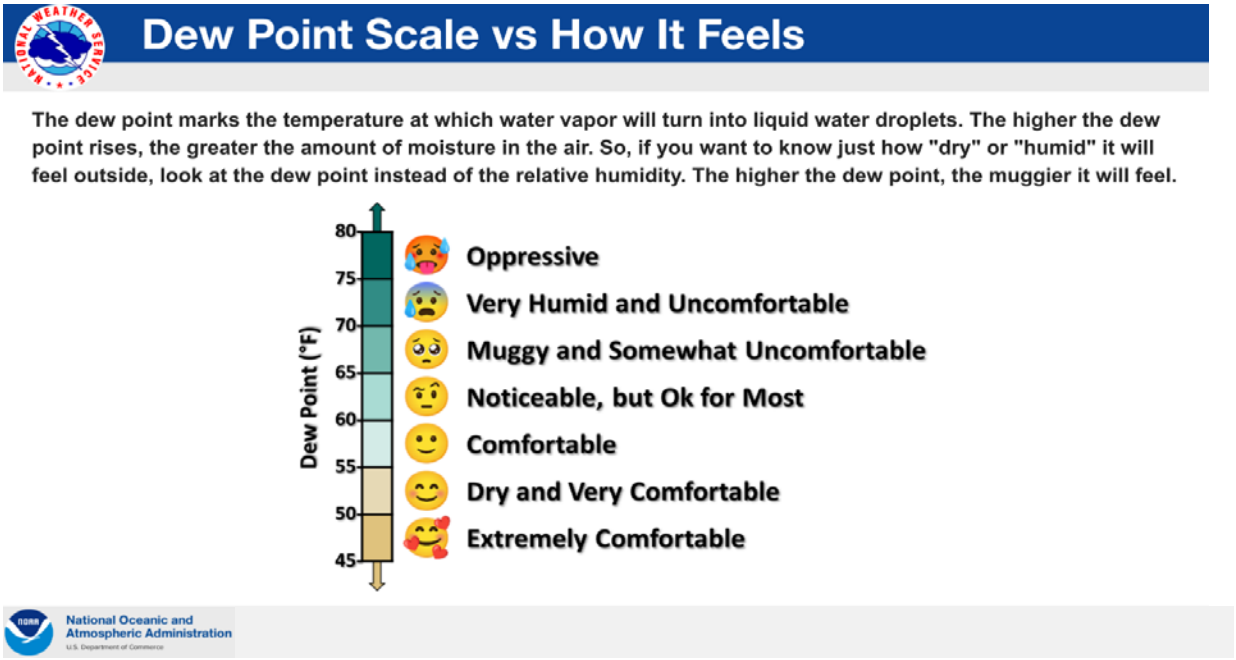
Most people, when discussing how humid it is, immediately think of Relative Humidity.

Dew Point is closer to the actual amount of moisture in the air, and it has been increasing over the last 85 years. 2024 was the highest on record!





70-degree Dew Point temperature seems to be the threshold for most people outdoors when comfort levels shift from “Muggy and Somewhat Uncomfortable” to “Very Humid and Uncomfortable”

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Note the known “Humid” locations on the chart below from 2024, that when looking at the High reading most reach above the “oppressive” levels but what is more important, is the Average stays above the “Very Humid” level all summer long, not allowing the building structure to dry out.

Dew point Temps

May 1 2024 through Sept 30 2024

Dew point temps	High	Average
Galveston TX	84	73
NOLA	83	74
Biloxi MS	82	73
Miami FL	81	74
Daytona FL	81	74
Chicago IL	79	58
Newark NJ	77	60

My friends in Chicago and Jersey do have days that they reach high humidity levels, but the average moisture levels drop through most of the summer, allowing the structures to dry out and thus cool more efficiently.

While Relative Humidity is a factor, it is tied to the temperature. The colder the temperature, the higher the Relative Humidity.

For example;

80 degrees at 55 degree Dew point is 42% Relative Humidity

75 degrees at 55 degree Dew point is 50% Relative Humidity

70 degrees at 55 degree Dew point is 59% Relative Humidity

Note the level of moisture stayed the same, but as the thermostat lowered the temperature, the Relative humidity increased.

The takeaway here is, if you want to stay comfortable in your humid climate home, you need to keep the Dew Point at, or slightly below, ***55 degrees*** and not try to lower the temperature in the home to try to lower Relative Humidity.

The addition of a whole home Dehumidifier from Ultra Aire is not as much of an add on anymore, as it is an integral part of keeping the home moisture levels (Dew Point) under control.