Aim: How do you find dewpoint temperature and find out when precipitation will occur?

100% R.H. Saturated/At Capacity
50% R.H.

If I cool the air, it will contract and look like this:

cooling air → Air temp. & it will reach Dew Pt. Temp.
causes 100% R.H. Air cools & shrinks, becoming Saturated 100% R.H.

Dew Pt. Temperature: When air is cooled molecules move closer together (contract), causing Relative Humidity to increase ~ 100%. Air becomes Saturated.

Dew Point - Temperature at which the air must be cooled to become SATURATED ~ reaching 100% R.H.
As a Low pressure system moves in the
Air Temp. will cool to reach Dew Pt. Temp.
Air Temp. = Dew Pt. Temp. → STORMS, Clouds, Precipitation

* Where Air temp and Dew Point temp are close or the same,
  * your Relative Humidity is very High ~ 100% R.H.

Air Temp. = 28°C = Dry day
Dew Point = 21°C = Higher Pressure

R. H. =