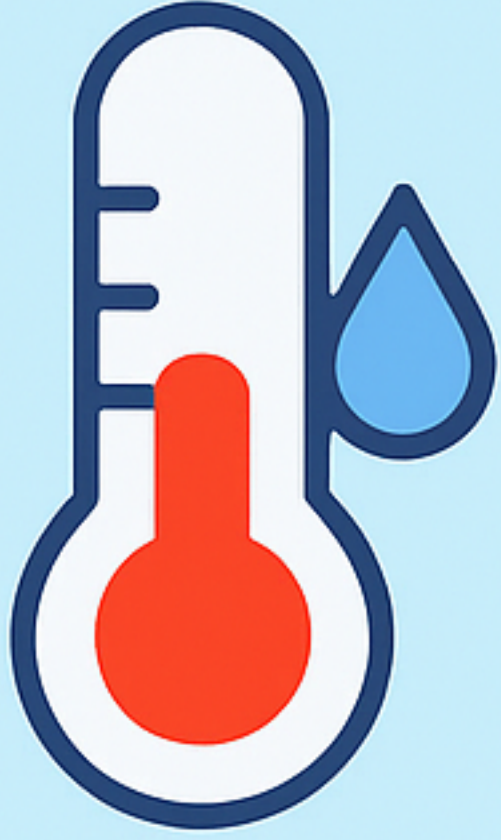


# DEW POINT

## What It Means & Why It Matters



### Definition

- Dew point = temperature where air becomes saturated & condensation begins
- Relative humidity = 100% when air temp = dew point

**< 40°F (4°C):**  
Crisp, dry air

**40–60°F**  
**(4–16°C):**  
Comfortable

**60–70°F**  
**(16–21°C):**  
Humid, sticky

**> 70°F**  
**21 °C** Opressive  
heat stress risk



### Weather Impacts

- High dew point → thunderstorms more likely
- Temp = dew point → fog forms
- Dew point below freezing → frost risk

### Everyday Uses

- Energy demand (AC in summer)
- Agriculture (frost/disease risk)
- Aviation (fog & visibility)
- Outdoor comfort & safety

