



Weather Station

A solar-powered IoT weather station with comprehensive sensors provides essential weather insights, it helps farmers in smart decision-making.

Its advanced software provides live farm data, precise fertilizer & spraying schedules, weather prediction, irrigation alerts, pest & disease prediction, and location-specific insights and empowers farmers for optimal, sustainable agriculture. This on-farm weather station is equipped with the following set of sensors:

Anemometer: to measure wind speed

Thermometer: to measure the air temperature

Hygrometer: to measure the humidity or amount of water vapour in the air

Barometer: to measure atmospheric pressure, also called barometric pressure

Rain gauge: to measure the precipitating rain in a given amount of time per unit area

Pyranometer: to measure the amount of solar radiation

Leaf wetness sensor: Provides an indication of whether the surface of foliage in the area is wet or dry by indicating how wet the surface of the sensor is

Soil moisture & temperature sensor: to measure the soil temperature and moisture content in the soil