

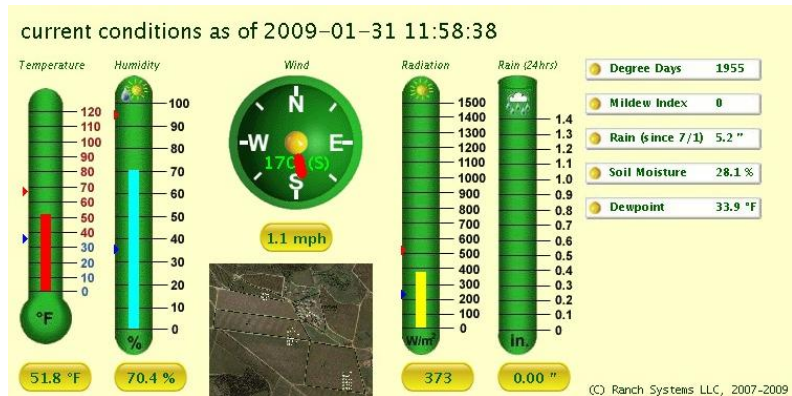
# applications

## Weather Station

Many properties that require weather data have traditionally relied on expensive, semi-automated point solutions.

Ranch Systems offers a wireless base station that can serve as a full-function weather station while still acting as a central coordinator for other wireless nodes on the property. This solution provides core weather system data while offering the flexibility to add other modular solutions as needed, like microclimate monitoring, frost alerting, or irrigation measurement and control.

Data gathered by the base station and sensors is transmitted to a secure datacenter for real-time viewing through Internet software. Charts and graphs allow comparison of data trends, and tie in to other deployed Ranch Systems solutions.



wind speed	relative humidity
wind direction	leaf wetness
rain gauge	disease indices:
temperature	- powdery mildew
radiation shield	- botrytis
pyronometer	