A Farm-based Weather Data Collection and Display System in Support of **Freeze Protection of Florida Crops**

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**MY FLORIDA FARM WEATHER**

Site specific data from a network of grower owned and maintained weather stations can maximize irrigation efficiency, and substantially reduce the amount of water and fuel or electricity used on freeze nights. FAWN worked with the Florida Department of Agriculture and Consumer Services (FDACS) Office of Agricultural Water Policy (AWP) to deploy a high-resolution farm based weather station network that would provide growers with site-specific weather data that can be used to maximize water use for irrigation and cold protection.

**80 Stations Collect:**  
Dry Bulb Air Temperature  
Wet Bulb or Dew Point Temperature  
Air Relative Humidity  
Wind Speed  
Wind Direction  
Rainfall  
Every 15 Minutes

Data are Stored in Multiple Databases

Data are Disseminated Via Web Browser or Free App

Data are Used to Track Air and Wet Bulb Temperatures in Support of Irrigation Used for Cold Protection of Various Crops