

39 Irrigation Scheduling Controller.

Our customer requires water balance studies of water resource allocation for crop management to maximize crop yield and reduce irrigation costs. A weather station with a Tiger 320 Series controller is set up in a vineyard to measure solar radiation, wind speed, rainfall, and air temperature. A macro installed in the meter and generated by the Texmate Development Software program calculates daily evapotranspiration.

The controller monitors and datalogs the environmental conditions, makes management decisions based on calculated daily evapotranspiration figures produced by the controller, and optimizes the costly application of water to the plants.

