

Irrigation Sources and Summary:

- 1 Colorado State Extension Fact Sheets
 - 1.1 4.707 Water balance method
 - 1.2 4.708 Irrigation Scheduling Methods
- 2 FAO Irrigation and drainage paper 56
 - 2.1 Crop evapotranspiration - Guidelines for computing crop water requirements (details FAO Penman Montieth method)
- 3 Hargreaves and Other Reduced-Set Methods for Calculating Evapotranspiration
 - 3.1 (Hargreaves requires less sensor data than FAO PM)
- 4 Advances in Geosciences
 - 4.1 A global comparison of four potential evapotranspiration equations and their relevance to stream flow modelling in semi-arid environments (global data regarding evapotranspiration)
- 5 Hargreaves versus Penman-Monteith under Humid Conditions
 - 5.1 (details errors in Hargreaves and adjustments necessary for humid climates)

Implementation:

water valve

measures flow

opens and closes

sensing unit

measures data necessary to run algorithm

run algorithm

send instructions to water valve

receive instructions from android app