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)
- 2.2 I have ordered a hardcopy of this from the PSU library.
- 2.3 Digital Copy: http://www.fao.org/docrep/x0490e/x0490e00.htm#Contents

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 evapotransiration)

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