Using moisture sensors and logging scales to monitor and control irrigation

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Di-electric soil moisture sensors and logging scales offer potential for growers to improve irrigation practices in container crops.

Objectives:
- Evaluate different approaches to using moisture sensors and logging scales to monitor and control irrigation practices
- Evaluate potential to be used for training

Approach:
- Use Decagon (Decagon.com) moisture sensors in container crops combined with different technologies.
- Use logging scales (AnDweighing.com) to monitor irrigation in grower operations

Other planned research:
- Test potential for new low-profile scales (Arlynscales.com) to monitor and trigger irrigation events in propagation
- Graphically track root zone water content over time and evaluate as a training tool for new propagators

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How you can use this information:
- We can help with installation and choices using sensor-based and logging scale technology
- We can provide suggestions on sensor and scale models if you want to connect to an environmental control computer, or want a wireless or standalone solution.