



Multistate Research Fund
IMPACTS

Smart irrigation helps producers improve crops, conserve water, cut costs, and reduce environmental impacts.

Researchers at land-grant institutions:

- Developed **data, maps, models, sensors, emitters, and apps** that schedule and fine-tune irrigation, *wasting less water.*
- Identified **water-wise plants** that help the nursery, greenhouse, and landscaping industries *reduce strain on state water budgets.*
- Created **substrates and containers** that *lower water requirements* of nursery and greenhouse plants.
- Shared **automated systems** that *reduce irrigation time and labor 25%.*
- Shared technology that irrigates more nursery trees simultaneously and *cuts pump and labor costs.*
- Calculated costs and benefits of using **recycled water** to irrigate.
- Enhanced **buffers and bioreactors** that *filter irrigation runoff.*

