Smart Water Application Technologies (SWATs): a review of multi-study results

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Problem: Lawns are overirrigated in some residential properties

Solution?: Can SWATs decrease overirrigation, while keeping a good turf quality (TQ)?

SWATs: Devices used to control automatic irrigation systems

Methods:
• Tested in plots and residences (potable and reclaimed water)
• Comparison treatment: automatic irrigation system without sensor feedback

Results:

Conclusions:
• RS & SMSs can reduce irrigation
• ET-C can reduce or increase irrigation
• Water savings without decreasing TQ (even during dry weather conditions)