

Mobile Irrigation Lab

Collier Soil and Water Conservation District



Conserving and protecting our water supply

What is the MIL?

- Mobile Irrigation Lab is a voluntary, non-regulatory approach to water conservation
- We provide free irrigation analysis/assessments to homeowners and communities to save and protect our water supply
- We provide proper irrigation practices education

What is an irrigation evaluation?

- Make on-site observations and measurements of the system
- Capture frequency/run times/flows/pressures/efficiency
- Analyze system design/operation/maintenance
- Create report comparing old schedule to new schedule
- Work with client to solve common problems to reduce run-off and save water
- Educate homeowner on regulations and water restrictions

Education

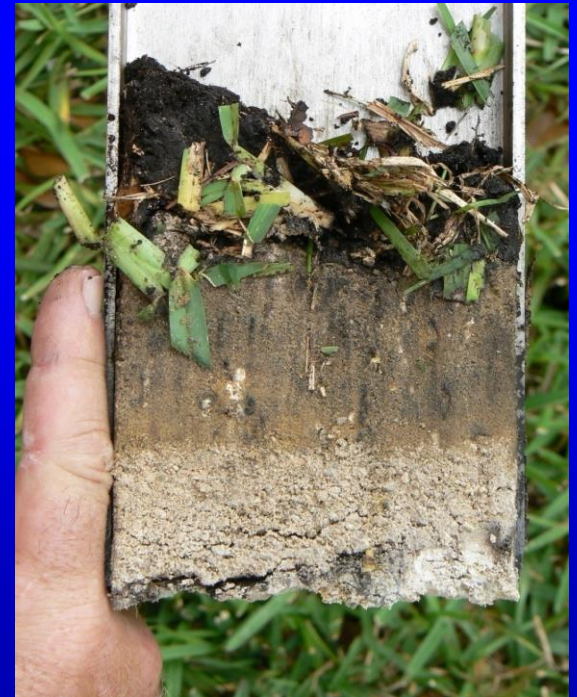
Water according to:

- Depth of the root zone
- Soil water-holding capacity
- Initial soil moisture level



When to apply:

- Check soil characteristics
- Plant/Turf water requirements
- Wilting and stress



Root
Zone

Innovative Technology



Weather Stations :

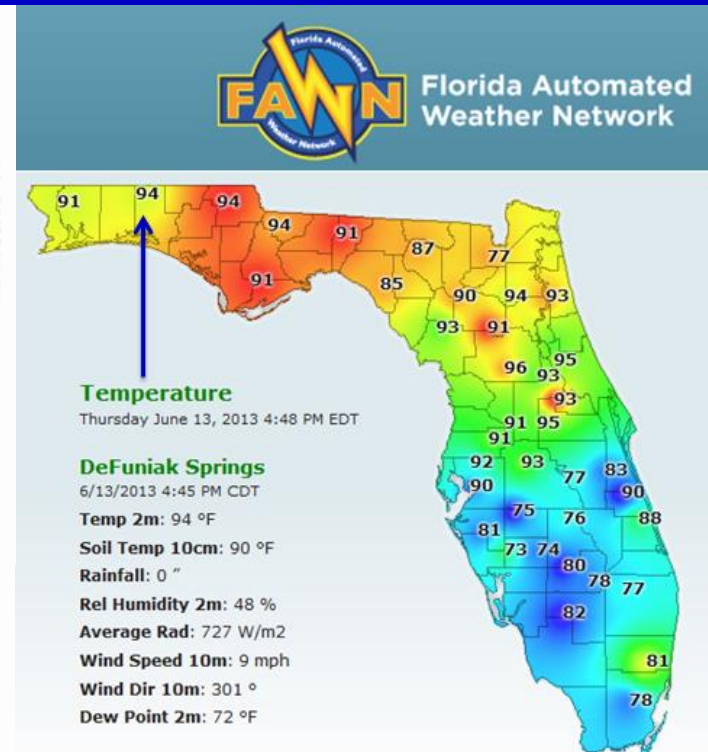
Evapotranspiration

Temperature

Rainfall

Wind

& More



Mobile Irrigation Lab

Last 5 year History

totals

Fiscal Year	Potential Water Savings (MGY)	Immediate Actual Water Savings (MGY)
2013	72.5	18.1
2014	39.7	10.4
2015	52.2	23.8
2016	47.8	8.2
2017	36.1	10.2
TOTAL	248.3	70.7

MIL Focus

Facing greater restrictions during droughts and increased cost of water usage, efficient irrigation methods will

- Increase uniformity (to apply more efficiently)
- Minimize over-watering (which causes leaching and run-off of fertilizers/pesticides into our water ways)
- Save money
- Protect our most valuable resource – our water!

Benefits

Prevent and reduce wasteful, uneconomical, impractical or unreasonable uses of water resources.

Education

Participation in District-wide community and environmental presentations and also provides venues for information sharing with Collier County Public Schools and Home/Resident Associations.