

Most common problems:

- Different pressure between manifolds
- Mixed sprinkler/emitter sizes
- Mixed sprinkler/emitter brands
- Missing/malfunctioning emitters
- Leaks and broken lateral lines (poly)
- Clogged emitters
- Operating time too long
- Operating time too short



Broken lateral line



Missing emitter

For more information or to schedule an appointment, contact:



Lake Soil and Water Conservation District
www.lakecountyfl.gov/lswcd
352-742-7005, ext. 4

E-mail:

Bobby Brown, Mobile Irrigation Specialist
James.Brown@fl.nacdnet.net

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Adam.Boykin@fl.nacdnet.net

Sponsors:

Lake Soil and Water Conservation District
Lake County Board of County Commissioners
Florida Dept. of Agriculture and Consumer Services
USDA - Natural Resources Conservation Service

USDA is an equal opportunity provider and employer.

For more information on Florida's Mobile Irrigation Laboratories:
Florida Department of Agriculture and Consumer Services, Office of Agricultural Water Policy
<http://www.floridaagwaterpolicy.com/MobileIrrigationLabs.html>

Lake County

Mobile Irrigation Lab

Free public service

Non-regulatory

Voluntary

The Lake County Mobile Irrigation Lab is a service that provides free on-site evaluations of agricultural irrigation systems in Lake, Sumter, Marion, Orange, and Osceola Counties.

Mobile Irrigation Lab

Evaluation Process:

The Mobile Irrigation Lab (MIL) is contacted by the cooperator and an appointment is made.

The evaluation begins with meeting the cooperator to make on-site observations and measurements of the system in operation. The information collected is analyzed to identify potential problems with the system design, operation, and maintenance.

Based on the data collected in the field, the MIL team calculates the uniformity and application rates. Suggested irrigation water management schedules are then developed.



Measuring Flow

After the Evaluation:

After the evaluation is completed, a written report is provided and discussed with the cooperator. Improvements are recommended to assist cooperators in increasing system efficiency.



Checking pressure

Follow-up to the Evaluation:

After you evaluate the response of your crops to the irrigation schedule guide, refinements may need to be made.

Follow-up assistance is offered, usually as a re-evaluation, after recommended improvements are completed.



The proper use of an efficient irrigation system conserves water, saves money, and protects the quality of our water supply.

Some examples of Best Management Practices for:

Irrigation Management:

Uniform Coverage - Irrigation water applied evenly to an area by placement and type of irrigation heads.

Efficiency - The proper pressure and maintenance of the irrigation system to gain maximum efficiency.

Irrigation Scheduling - The proper length of time and frequency for an irrigation cycle.

Soil Moisture Conditions - Checking soil moisture before irrigation.



Solid-set Irrigation



Micro-jet and Drip Irrigation



Center Pivot Irrigation