



# Wetting Agents & Soil Moisture

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**Objective:** determine the effect of Revolution on soil moisture in a USGA putting green

## Treatments (2013-2014):

1. Irrigation blocks set to irrigate @ 8, 12, & 16% VWC at 3 inch depth



2. Traffic (none, low, moderate) applied 3x/wk

Low traffic – 237 rounds

Moderate traffic – 474 rounds

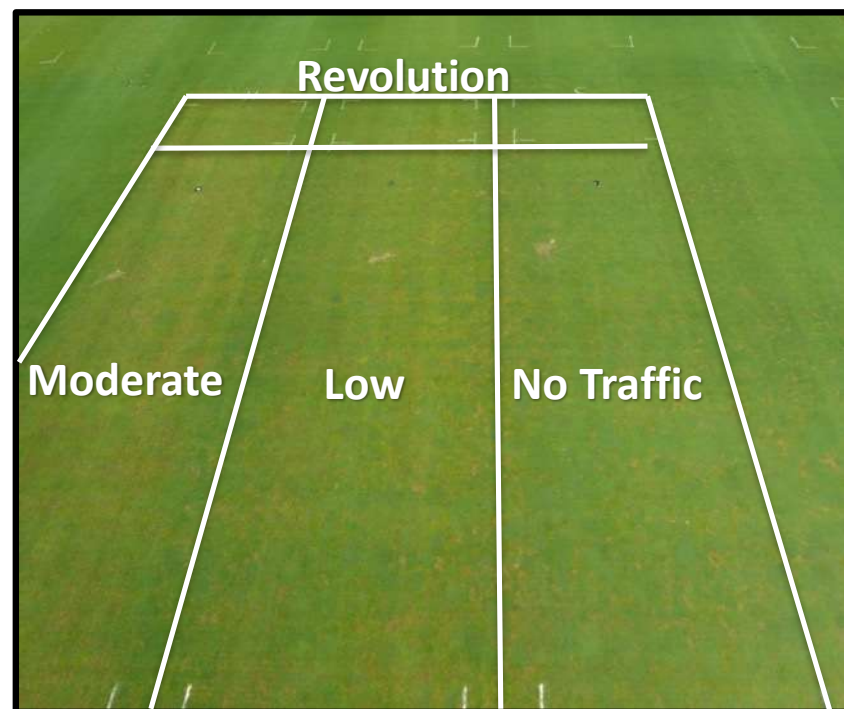
3. Revolution applied @ 6 fl. oz./M/month May-Sept. as split-plot treatment

4. Creeping bentgrass (A4) & annual bluegrass



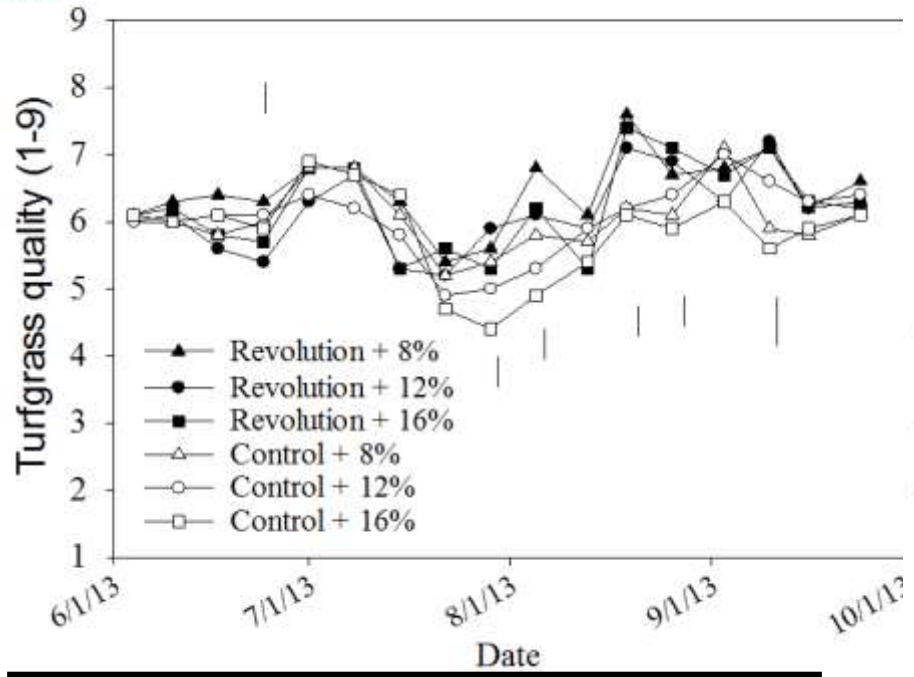
## Data Collection:

1. VWC: surface to 1.5 and to 4.5 in depth
2. NDVI
3. Color
4. Quality

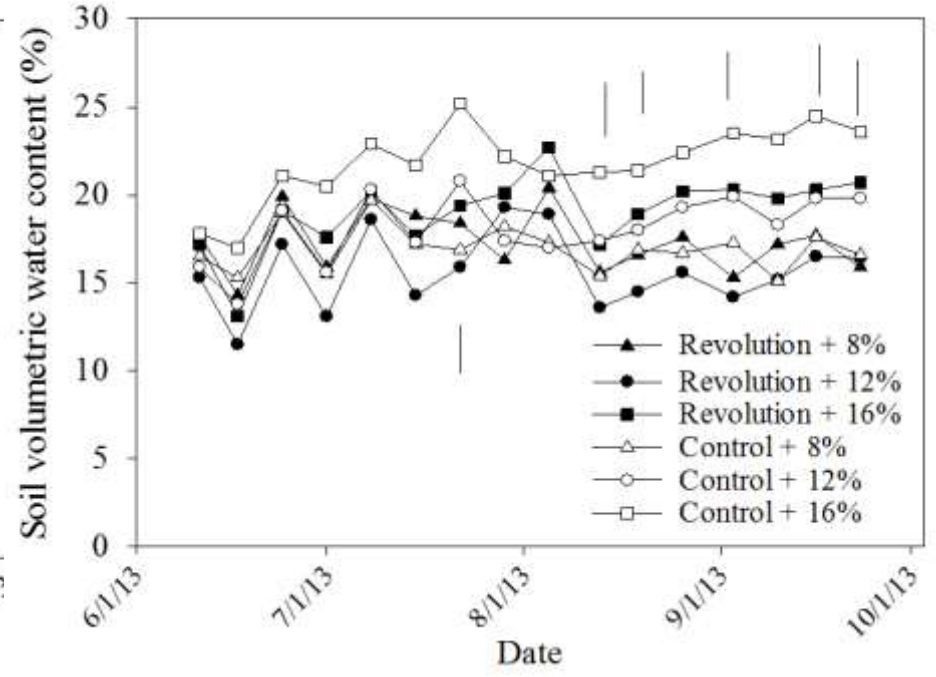




## Annual bluegrass Quality



## Annual bluegrass VWC 1.5 in depth



## Conclusions Soil VWC

- 16% untreated > 16% Revolution
- 12% untreated = 12% Revolution
- 8% untreated < 8% Revolution