



# BioComplete™ Liquid Amendments

## Lecture 9 – Application Methods (Part 1)



# Topics

## Definitions

**BioComplete™ Compost / Extracts / Teas,  
Leachates, Ferments, Manure Tea, Put-to-Sleep  
Teas**

## General Concepts

**Assurance of Success, Foods, Biomass levels,  
Diversity, Water Quality, Temperature, Aeration**

**Extracts - Massaging, Duration, Storage**

**Teas - Foods, Extraction, Aeration, Duration**

**Application – Pumps, Timing, Cleaning**

# Application Methods

- Timing - Time of day to apply.
- Irrigation – Fertigation systems, drip, large scale.
- Sprayers – check nozzle size, filters, pumps, cleaning issues.





By August 11, no visual signs of improved top growth, but definitely more root growth especially in the finer root hairs.



# Applications

## **Cover surfaces with bacteria and fungi:**

- Diseases cannot get to foliage, or roots.
- No foods for disease organisms to use.
- Problem organisms consumed and outcompeted by aerobic organisms.

## **Determine how much of the leaves were covered.**

**How often to spray?** Three times, a month apart, in spring.

**Ask to see DATA on sprayer and coverage ability.**



# Application Methods

- Sprayers
- Pivots
- Drip
- Helicopter
- Planes



# Nozzle Sizes

- Match compost bag mesh with nozzle opening.
- Many pattern types.
- Many material choices – brass, stainless steel, and plastic.



# Time of Day

- Not important as long as water-drop size is greater than 1 mm.
- Evidence? Pivots.
- Study: 36 Hour Pivot Irrigation Cycle.



# Water Source

- Same considerations for treated water.
- But what about...  
Spring Water?  
Well Water?  
Ditch Water?

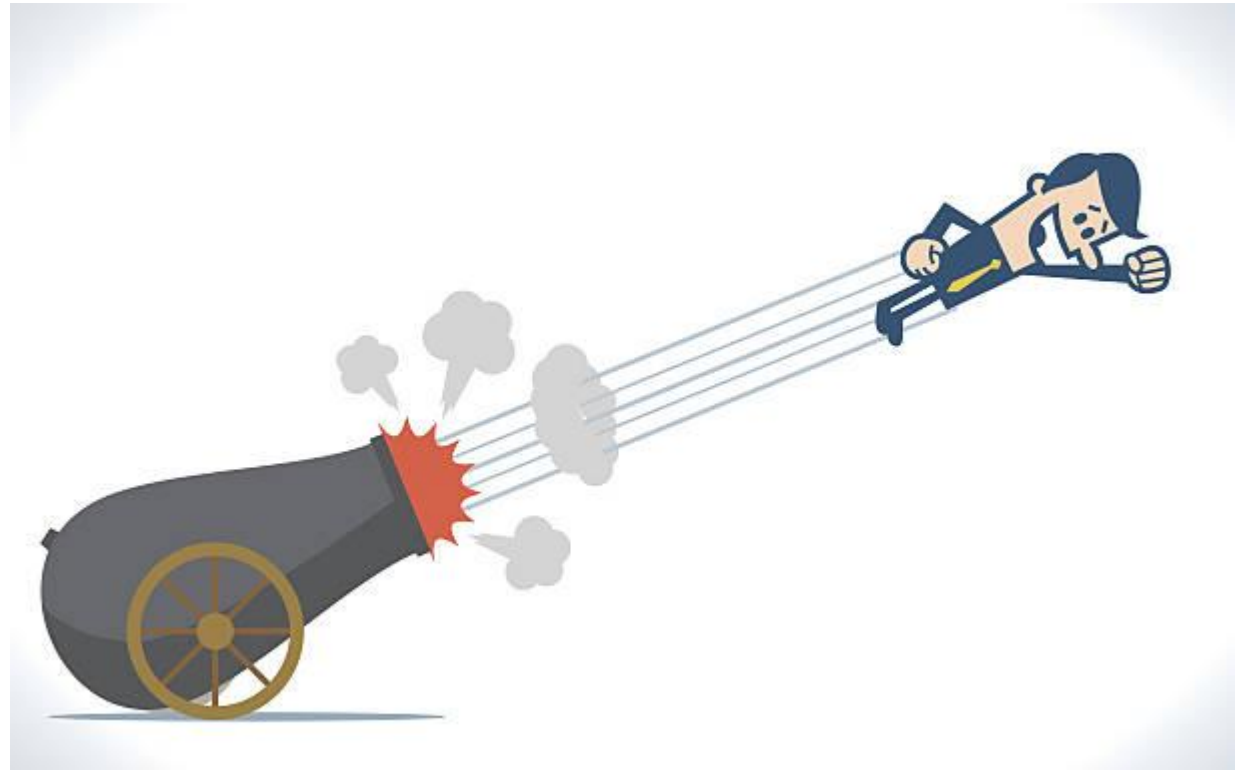


# Pressure

- Pressure is not your main consideration.

## Impact on the surface is!

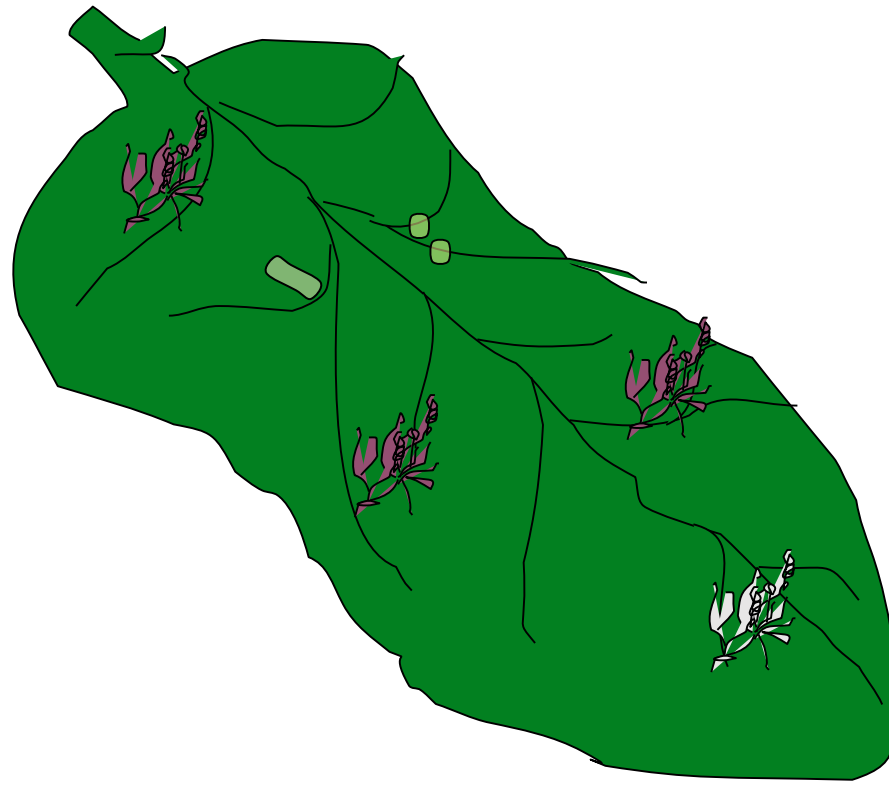
- Pressure needed to reach the tops of trees will be different than spraying grass.



# Coverage of All Surfaces is Important!



**With**  
BioComplete™ Compost Tea



**Without**  
BioComplete™ Compost Tea

