



Managing Soil and Fertility

The HARDEST part of Organics!!!



Can't PREMIX fertilizer!!



Fire Hazard!!!



Biologic  
Innoculation



NUTRIENTS AND  
FERTILIZERS  
Ph, EC and  
compromises

## FERTIGATION—THE OLD



## FERTIGATION—THE NEW



YOU MIGHT WANT TO CHECK



OVERCOMPLICATED



# IRRIGATION

## TRAVEN'S RULES

- IF YOU NEED TO MAKE A DECISION, YOUR DECISION HAS BEEN MADE!!
- EARLIER IS BETTER
- SOIL COMPOSITION
- INNOCULANTS
- KEEP FOLIAGE DRY!!!!!!!!!!!!



**10% Oxygen Saturation**  
**Disease Supression!!**

# FILTRATION!



# SANITATION



# COMPOST TEA

## 500 gallons a day!!



ELTINGA & HOEKSEMA  
2011-2012

### Growing organic with Worm Tea

Castings contain; 5 times the available nitrogen, 7 times the available potash and 1-1/2 times more calcium than found in 15 cm of good top soil. Castings are supplied with available nutrients which are water soluble and immediately available to plant life.

Most potting soils have nutrient life of 2-5 days. Compost made from worm castings will last up to 5 times longer than other types of potting soils. You would need 5 times as much potting soil to do the same job as the worm castings.



Sales Opportunity!



**FLAVOR**  
*BY THE* **GALLON**<sup>TM</sup>  
Even Healthier Now!



- Organic vegetables are rich in flavonoids, which help protect the plants naturally.
- The best way to get fresh, organic vegetables, is to grow your own.
- Organic growing is not only good for you, but good for the environment.



**USDA  
CERTIFIED  
ORGANIC**





**Fertilizers**

- Dry can be added onsite!!**
- Microstart 60 from Perdue
  - Tested and excellent
  - Inexpensive
  - Available

Liquid is easier, but \$\$\$

- Low analysis an issue!!!
- Cost is high
- ODOR
- pH is LOW

## Brands

- Pinnacle, from Daniels
- Neptune's Harvest
- Drammatic
- Drammatic PLUS!!!

But....it's REALLY  
THE SOIL!!

7% Worm  
Castings

Activated by Tea



