What is Compost Tea?
A liquid extraction of compost

- Nutrients
- Microorganisms
- Organic compounds

What Happens?

- Nutrients
  - Linear
- Microorganisms
  - Exponential
- Organic compounds
  - Exponential
Exponential Growth

Producing Compost Tea
Critical Factors

- Compost quality
- Oxygen levels
- Homogeneous solution
- Food resources
- Water quality
- Water temperature

Compost Quality

- Consistent
- Safety protocols
- Known feedstocks
Oxygen Levels
Homogenous Solution

- 4,000 perforations per aeration disc
- Optimum oxygen levels of 6+ ppm
- Homogeneous solution

Food Resources

- Complex carbohydrates
- No simple sugars
- Cost-effective
Water Quality/Temperature

- Treated water
- Dilution water
- 73°F optimum

Compost Tea Benefits

- Revitalized soil
- Increased root systems
- Mitigated environmental stress
- Decreased nutrient inputs
- Decreased water requirements
Increased Water Holding Capacity

1% Increase in Soil Organic Matter =
16,000 gal/acre ft • 10 gal/yard • 1.5 qts/cu ft

*ATTRA Agronomy Technical Note, November 2002

Application Rates

Turf
1gal/1,000 sq ft

Landscape
10–20 gal/acre
Providing Plant and Soil Health, One Drop at a Time