



## HDI Instructions

### For Golf Greens and Tee Decks

EcoTea™ is a biological soil amendment that helps to build and replenish the beneficial microbial community in soil and plant root systems. The organisms found in EcoTea™ will cause an immediate improvement in root biomass and function, creating a stronger more vigorous plant. This product is 100% sustainable and contains no human pathogens.

The plant beneficial biology within EcoTea™ will help to decrease stress from pathogenic bacteria, fungi and some insects—while increasing the effectiveness of fertilizers. This helps plants focus less on producing energy expensive shock proteins and more on biomass production.

EcoTea™ is designed for easy integration into existing management programs. Our customers have been able to reduce pesticide and fertilizer applications when using EcoTea™ properly. EcoTea™ is one part of a regular fertility and integrated pest management program. A GREAT TOOL IN THE BOX!



*"EcoTea™ has been a great addition to our greens fertility and disease management program". - Stuart Carmichael, Whistler Golf Club*

### EcoTea™ Ecosystem Functions



Antibiotic Producing



Nutrient Cycling



Nitrogen Fixing



Iron Scavenging



Plant Hormone Producing



Phosphorus Solubilizing

EcoTea™ is an ecologically engineered microbial product with an added blend of humic, fulvic, long-chain amino acids—Atlantic kelp extract, simple/complex carbohydrates and enzymes.

EcoTea™ contains a great deal of plant growth promoting and ecologically functional microbes. This biological community will improve soil structure, root function/biomass and mobility of N-P-K + micronutrients in the soil.



*"Obviously there is no need to hand-water anymore so I can lay around..." Bryan Youell, Uplands Golf Course*

## HDI Mixing Instructions:

*\*Please read instructions closely before mixing ingredients.*

1. Fill tank with 150 Gallons of dechlorinated water. Place 50 Gallons (200 L) of **Part A**, EcoTea™ HDI into mixing tank OR a 50 Gallon or larger vessel with aeration.

2. Add **Part B** to **Part A** and mix vigorously. Add **Part B**, EcoTea™ Liquid Microbial Foods at a rate of 8 L for every 50 Gallons of **Part A**, EcoTea™ HDI.

2.1. Allow 24 hours for **Part A**, EcoTea™ HDI & **Part B**, EcoTea™ Liquid Microbial Foods to aerate. Maintaining approximately 6 mg/O<sub>2</sub>/L (80-120 L/min) throughout the process.

*Note: Remove all screens in sprayer and use 08 TeeJet or FloodJet nozzles or larger.*

3. Add **Part C** to the mixed **Parts A & B**. Mix vigorously. Add EcoTea™ Foliar Catalyst at a rate of 2 L for every 50 Gallons of aerated **Part A**, EcoTea™ HDI.

*Note: Adding EcoTea™ Foliar Catalyst will greatly decrease the shelf life of EcoTea™, add it when you are ready to apply.*

4. Dilute EcoTea™ HDI 3 part mix at a minimum of 1:3 with dechlorinated water.

5. Apply EcoTea™ HDI 3 part mix to greens at a rate of 50 Gallons per 140,000-170,000 sq. ft. (concentrated 3 part mix).

6. End tank solution should be applied at an approximate rate of 56 Gallons/Acre (14 Gallons concentrated mix + 42 Gallons dechlorinated water).

*Note: You can dilute much more if desired, ensuring the concentrated rate of 50 Gallons per 140,000-170,000 sq. ft. remains the same.*

## Application Rates:

50 Gallons of EcoTea™ HDI will cover 140,000 – 170,000 sq.ft. of turf (*dilute into 200 Gallons for application as per instructions*).

*Note: Apply EcoTea™ HDI in conjunction with solid tine or fine tine aeration if possible.*

## Shelf Life: (FROM DATE ON PRODUCT LABEL)

Part A: 80-100 days

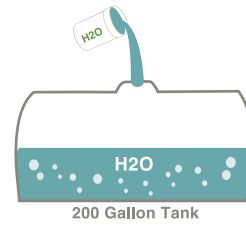
Part B: 50 days

Part C: 1 year

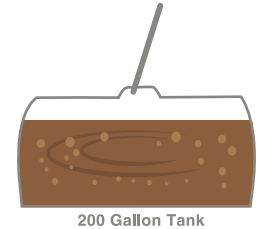
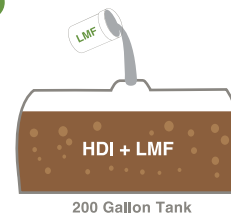
Store all unopened and unmixed EcoTea™ ingredients in a cool dark environment. Out of direct sunlight and at room temperature or lower. Do not let product freeze.

EcoTea™ HDI is screened to 300 micron/50 mesh, 50 psi (or lower). To dechlorinate water fill tank 24 hours prior to adding EcoTea™ or aerate municipal water for 30 minutes. Don't hesitate to contact your local EcoTea™ Sales Manager if you have any further questions.

- 1 Fill sprayer with 150 Gallons of dechlorinated water and then add 50 Gallons of EcoTea™ HDI for to tank. For a total of 200 Gallons.



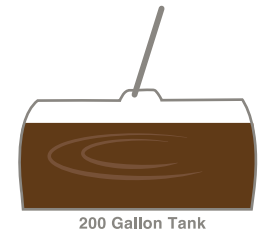
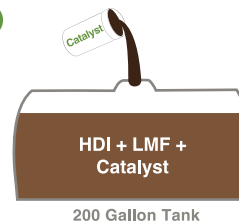
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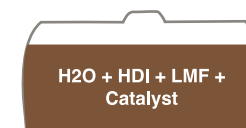
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- 4 Dilute EcoTea™ at a minimum of 1:3 of dechlorinated water.



- 5 EcoTea™ is now mixed and ready to apply. Apply as per application method.

*\* Diagram is not to scale*

## Nozzle and Emitter Specs

| Nozzle & Emitter Type      | Size Specifications    |
|----------------------------|------------------------|
| TeeJet Nozzle              | 0.08 (White) or Larger |
| Boomless Nozzle            | 0.10 or Larger         |
| Liquid Kit Seeding (Discs) | 30 or larger           |
| Drip Tape                  | Not Compatible         |
| Greenhouse Emitters        | 300 Micron or Larger   |

REMEMBER THAT ECOTEA™ IS NOT A FERTILIZER NOR A PESTICIDE BUT CAN HELP REDUCE FERTILIZER AND PESTICIDE INPUTS. USE PROFESSIONAL JUDGMENT TO GAUGE FERTILITY AND PESTICIDE REDUCTIONS – FERTILITY TREATMENTS ARE STILL REQUIRED.