



# 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% organic and contains no human pathogens.

In Just 1 ml of EcoTea™ there are millions of



BACTERIA



PROTOZOA



FUNGI

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.

& basic elements plants need

NITROGEN



IRON



ZINC



CALCIUM



MAGNESIUM



COPPER

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



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



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# Improve Soil & Turf Health - Promote Root Growth - Helps Reduce Disease Pressure

## Instructions:

1. Place 50 gallons (200 L) of HDI into a 50 gallon (200 L) or larger container with aeration.

2. Add EcoTea™ Microbial Foods at a rate of 1 kg for every 50 gallons of EcoTea™.

2.1. Place 1 kg of Microbial Foods into a 5 gallon (20 L) pail with water and mix well (*until product is dissolved*), then add into the spray tank while mixer is running. *Note: Remove all screens in sprayer and use 08 TeeJet or FloodJet nozzles or larger.*

2.2. Allow 24 hours for solution to aerate, maintaining approximately 6 mg/O<sub>2</sub>/L throughout the process.

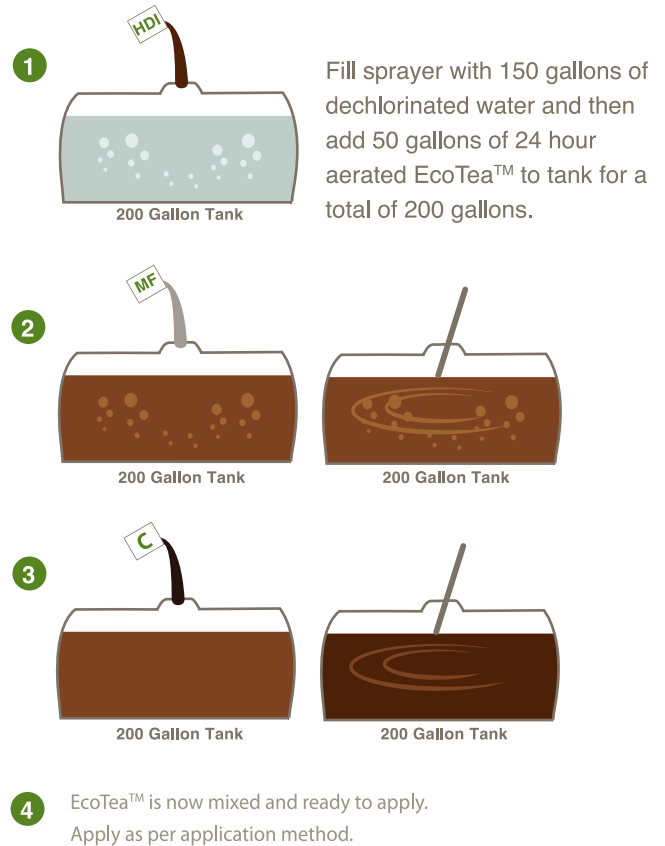
3. Add EcoTea™ Greens and Tees Catalyst at a rate of 2 L (2 quarts) per 50 gallons of aerated EcoTea™. Add Greens and Tees Catalyst to sprayer while mixing and apply.

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

4. Apply to greens at a rate of 1.2 gallons per 1000 sq.ft. (*diluted product*).

For best results use on high stress turf (e.g. greens, approaches and tee decks)

*\*Please read EcoTea™ HDI Soil Instructions closely before mixing ingredients.*



## Application Rates:

50 gallons of EcoTea™ 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.*



EcoTea™ being applied to Quilchena Golf Course, Richmond, BC. "We are very happy with the EcoTea™ program and will continue using it in our greens management program." - Jason Hooper

## 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   |

## Some Beneficial Microbes

|                  | CFU             |                |
|------------------|-----------------|----------------|
| Bacillus sp.     | 10 <sup>4</sup> | Bacteria       |
| Pseudomonas sp.  | 10 <sup>4</sup> | Bacteria       |
| Streptomyces sp. | 10 <sup>3</sup> | Actinobacteria |
| Trichoderma sp.  | 10 <sup>3</sup> | Fungi          |
| Penicillium sp.  | 10 <sup>3</sup> | Fungi          |

**Contains billions of plant beneficial bacteria and fungi**

EcoTea™ contains beneficial sources of humified organic matter made from earthworm castings and plant-based composts, which provide a large diversity of plant beneficial microbes. We engineer and design our inoculants using advanced composting and vermiculture techniques, specially designed microbial foods and catalysts in EcoTea™. Our proprietary processes and understanding of soil ecology and plant agrisystems is unparalleled in the industry. We work with customers to ensure their satisfaction and success.

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.