



# HDI In-Furrow & Foliar Instructions For Cash Crops

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.

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.

## Results

### Organic Corn Comparisons (Aug 15, 2018), Ripley, ON

EcoTea™ treated left, control on the right.

**Products Used:** EcoTea™ HDI (Soil, In-Furrow applications) and EcoTea™ Seed Dressing. An additional application of EcoTea™ HDI Foliar was used in season to aid in disease suppression.



#### BRIX Testing:

Control = 3  
EcoTea™ = 6

#### Yield:

EcoTea™ = 177 bus/ac.  
Control = 170 bus/ac.

#### VOM:

EcoTea™ = 0.8  
Control = 1.1

## EcoTea™ Ecosystem Functions



Antibiotic Producing



Nutrient Cycling



Nitrogen Fixing



Plant Hormone Producing



Iron Scavenging



Phosphorus Solubilizing

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!

### 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™ has various application methods

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

### EcoTea™ HDI In-Furrow Application

EcoTea™ HDI is a 3 part mix & go product for soil/medium applications. It contains **(Part A)** High Density Inoculum, **(Part B)** Liquid Microbial Foods and **(Part C)** HDI Catalyst.

EcoTea™ has been engineered for easy application in agricultural settings. HDI has a 60 day shelf life, given it is stored out of direct sunlight and before the addition of Part B or C.

#### EcoTea™ HDI In-Furrow Mixing Instructions:

*(REFER TO DIAGRAM ON THE RIGHT)*

1. Mix Part B, EcoTea™ Liquid Microbial Foods into Part A, EcoTea™ HDI. Use a paint mixer or recirculation pump for best mixing.

2. Add Part C, EcoTea™ HDI Catalyst **IMMEDIATELY PRIOR TO APPLICATION**. Mix thoroughly.

3. Dilute 1:3 parts EcoTea™ HDI to dechlorinated water.

4. Apply in row at a rate of 10-20 gallons of EcoTea™ per acre (diluted rate).

*Example: Mix 2.5 gallons of concentrated EcoTea™ (Part A, B and C) with 7.5 gallons of dechlorinated water. Apply 10 gallons per acre of total solution.*

#### Application Rates:

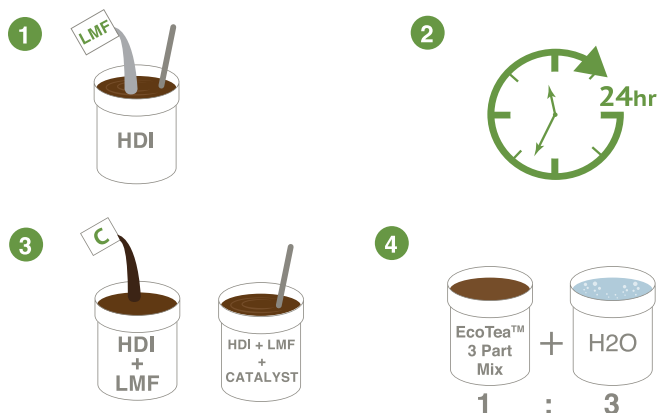
Apply at a rate 2.5 gallons per acre (concentrate). 1000 L (250 Gallons) of EcoTea™ HDI will cover 100 acres.

#### Nozzle and Emitter Specs

Nozzle & Emitter Type	Size Specifications
TeeJet Nozzle	0.08 or Larger
Boomless Nozzle	0.10 or Larger
Liquid Kit Seeding (Discs)	30 or larger

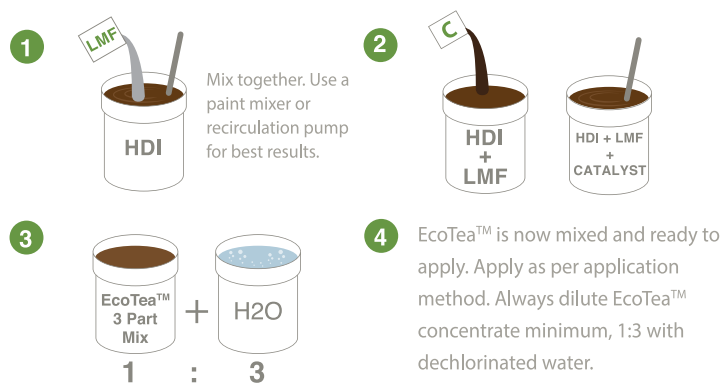
#### EcoTea™ Foliar HDI is a 3 part system:

HDI + LMF + Aeration + Foliar Catalyst + Dechlorinated Water.



*\* Diagram is not to scale*

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.



*\* Diagram is not to scale*

### EcoTea™ HDI Foliar Application

#### EcoTea™ HDI Foliar (Aerated) - 3 Part Mix & Go:

EcoTea™ HDI Foliar is an actively aerated foliar blend that requires 24 hours in a bioreactor (aeration) to build and grow a beneficial blend of disease suppressive microbes.

This 3 part mix & go product contains **(Part A)** High Density Inoculum, **(Part B)** Microbial Foods and **(Part C)** Foliar Catalyst.

EcoTea™ HDI Foliar after the 24hr of aeration cycle has a 7-10 day shelf life, given it is kept continually aerating.

#### EcoTea™ Foliar Mixing Instructions: (Aerate for 24 hours)

*(REFER TO DIAGRAM ON THE LEFT)*

Place EcoTea™ HDI into a tote/drum or larger tank with an aeration unit:

1. Mix EcoTea™ Liquid Microbial Foods into Part A, EcoTea™ HDI.

2. Allow 24 hours for EcoTea™ to aerate, maintaining approximately 80-120 L/min (6 mg O<sub>2</sub>/L) throughout the process.

*Note: Remove all screens in sprayer and use 0.08 TeeJet or FloodJet nozzles or larger.*

3. After a 24 hour aeration, add EcoTea™ Foliar Catalyst to tank. Mix thoroughly.

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

4. Dilute 1:3 parts EcoTea™ HDI to dechlorinated water.

#### Application Rates:

Apply EcoTea™ at 2 gallons per acre (concentrated). 1000 L (250 Gallons) of concentrate will cover 125 acres.

### Residue Management for Fall

Contact your local EcoTea™ Sales Manager for mixing and application instructions.

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