

# WOOD DISTILLATE

Suitable for all types of crops: horticultural, herbaceous, arboreal, shrub-like crops. For organic, integrated, conventional, industrial agriculture and hobby farming.

The production of 1 L of Wood Distillate allows to sequestrate 1.5 kg of CO<sub>2</sub>

The **wood distillate** is obtained in counter-current of steam, using exclusively the physiological water contained in the wood sap, extracted at different temperature gradients, with a maximum output from the reactor of 75°C. The woody extract is further sent to a natural filter for the removal of any residues and is left to settle for a period of at least three months in order to obtain an amber colored Wood Distillate, with constant, biological, natural, safe characteristics both for the environment and man. The process parameters are controlled in all reaction stages to ensure safety and quality of the output product. The unique properties of the Wood Distillate make it an effective resistance inducer, which leaves no residue and contributes to the sequestration of 1.5 kg CO<sub>2</sub> / l of product.

The technological innovation at the bottom of the industrial production process allows to optimize yields and limit costs, in order to place production at a very competitive price on the national and international market. **The Wood Distillate is a corroborant rich in acetic acid, polyphenols and tannins, enhancer of plant defenses and root system, allowed in organic farming.** Composed of more than 300 synergistically active organic substances that favor the development of endogenous and exogenous plant defenses, it leaves no residue. It is biodegradable and it makes the environment unwelcome to many insects and to many pathogens. Moreover, it increases the effectiveness of photosynthesis, and it efficiently assimilates nutrients.

pH.....	3.5 - 4.5
Density.....	1.05 kg/L
Acetic acid.....	2/2.3%
Total phenols.....	2.900/3.020 gr/kg
Total polyphenols.....	23- 26 gr/kg
Heavy metals.....	< 1 mg/kg

Wood distillate **protects plants:**

- it enhances natural defenses;
- it strengthens leaf and root system;
- it helps plants in periods of biotic and abiotic stress.

Wood distillate **improves plant productivity:**

- it promotes healthy growth of the root and leaf system;
- it improves nutrient absorption and photosynthetic efficiency;
- it increases fruits setting and preservation.

## Dosage and conditions of use:

To use the Wood Distillate, dilute the product as follows: (1 part Distillato di Legno: Acqua).

**FIELD SCALE CROPS\*:** 1:500 o 200 ml/hl for foliar treatment • 1:250 or 400 ml/hl for fertigation.

**HYDROPONIC NURSERY:** 1:500 o 200ml/h base for nutrient solution.

**NURSERY\*, FLORICULTURE, NURSERY CULTIVATION\*:**

1:800 or 125 ml/hl 2nd leaf Foliar treatment • 1:600 or 165 ml/hl 4th/6th leaf Foliar treatment • 1:500 or 200 ml/hl After the 6th leaf Foliar treatment • Range from 1:300 to 1:500 or range from 330 ml/hl to 200 ml/hl for fertigation.

**HORTICULTURE\*, SOILLESS CROPS:** 1:800 oR 125 ml /hl leaf treatment • 1:500 or 200 ml/hl After the 6th leaf leaf treatment

**ORNAMENTAL CROPS:** 1:750 or 130 ml/hl each leaf treatment • 1:500 or 200 ml/hl each fertigation.

**SEED GERMINATION:** Range from 1:500 to 1:1200 or range from 200 ml /hl to 85 ml/hl with nebulization

• Range from 1:300 to 1:1200 or range from 330 ml /hl to 85 ml/hl alternatively immersion for 24 hours based on the dimension of the seed.

**ARBOREAL:** Range from 1:800 to 1:500 or range from 125 ml/hl to 200 ml/hl each leaf treatment.

*Foliar: repeat every 5-10 days based on seasonal weather conditions and to make the environment unwelcome to insects and parasites during the most critical periods.*

*Fertigation: Repeat every 10-30 days.*

*\*PROVIDE FOR INTERVENTION after pouring, planting or in stress situations.*

