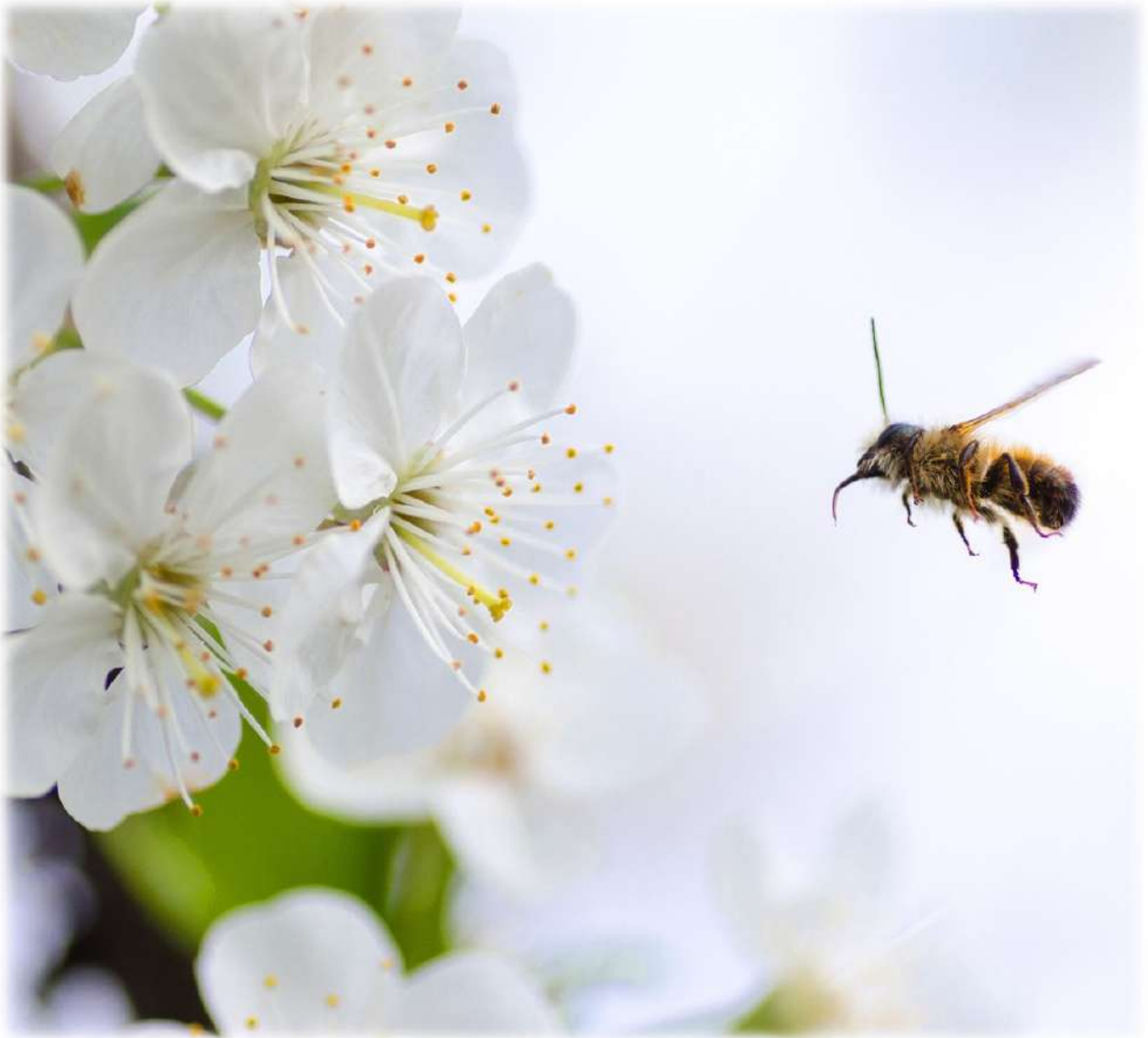




# Wood Distillate

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## *Characteristics and Properties*





*Wood distillate is a soil improver rich in acetic acid, polyphenols and tannins. It improves plants defense and root system and it is allowed in biological agriculture.*

The product synthesized with our technology is **100% natural**, with many active principles and natural substances that strengthen the plants, stimulating rooting and development to help overtake **growth phases** made difficult by external factors.

Wood Distillate forms a natural and **organic film on vegetation, a nourishing, biodegradable** covering which helps to **reduce**

**evapotranspiration** during heat waves and creates a hostile environment for insects.

Produced wholly from virgin recyclable biomass with local natural woods by pyro gasification process, this natural substance obtained through the physical procedure without chemical reagents **improves plants resistance to biotic and abiotic stresses.**

ANTIOXIDANT  
ACTION

RESPECT  
FOR NATURE:  
'ZERO' RESIDUE

CO2  
SEQUESTRATION:  
1.5 KG FOR EACH  
LITER OF WOOD  
DISTILLATE

RESISTANCE  
INDUCTOR:  
BARRIER  
AGAINST  
PATHOGENS



### ***Unwelcome to insects***

The astringent taste of the tannins and organic substances of the Wood Distillate makes the vegetable tissues unpleasant to predators and parasites.

In particular, its characteristic "smoked" smell interferes with the strongly scented substances produced by the plant and it removes insects in the most vulnerable and delicate phenological phases.

### ***Production improvement***

The Wood Distillate, thanks to the high concentration of polyphenols and tannins, creates soluble complexes with proteins, polysaccharides and polyvalent ions, in particular with iron, manganese and zinc, which are easily absorbed by the plant. This results in a better production and a higher quality of fruits.



### ***Irrigation***

The Wood Distillate can be used in fertigation to promote the availability of macro and micro elements thanks to the chelation action of metal ions in aqueous solutions (Petti et al., 11.2009).

### ***Productivity improvement***

It stimulates the growth of the plant, promotes the bundled development of the root and increases the setting of its fruits, their sugar content, color, texture and natural preservation. It also promotes a healthy growth of the root and leaf system and improves the absorption of nutrients and photosynthetic efficiency.



### ***Protection***

It enhances the plant's natural immune defenses, strengthens the leaf and root system and helps it in periods of biotic and abiotic stress.



## a .... ROOTED difference



**in the pictures two  
avocado plants, about 6  
weeks old, the left one  
rooted in water, the  
other one grown in a  
Wood Distillate solution.**

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**Characteristics:**

pH: 3.5 - 4.5 Density: 1.05 kg/l Acetic Acid: 2/2.3% Total Phenols:2.900/3.020 gr/kg Polyphenols 23 – 26 gr/Kg Heavy metals:  
<1 mg/kg

**Compatibility:**

The product has no contraindications when mixed with other formulations. We suggest making compatibility trials on smaller surfaces before proceeding to use it on extended areas.

**Warnings:**

To be used in agriculture only. Whoever use this product is responsible for any damage caused by an improper use of the formulation. Respect for the aforementioned instructions is an essential condition to ensure the efficacy of the treatment and avoid damages to plants, to people, to animals.