



RENERGI
Bioenergy & Biocarbon Solutions

PYROLIGNEOUS ACID

Wood Vinegar - Nature's Plant Tonic

What is it?

Pyroligneous Acid or 'Wood Vinegar' is a water-based liquid 'biostimulant' and 'plant health tonic' comprised of hundreds of complex organic compounds derived from biomass. It is produced through condensing of various bio-gases and bio-oils from a process called pyrolysis: the carbonisation of biomass under conditions of relatively high heat and low or no oxygen that also produces biochar.

What is in it?

Pyroligneous Acid contains a complex mix of biologically active compounds such as, but not limited to: organic acids, phenolics, aldehydes, ketones, furans, karrikins, and sugar-type compounds. These combine to provide different beneficial growth activating and plant health functions, such as improving photosynthesis, nutrient and water adsorption, seed germination (karrikins), and antioxidant, disinfectant and antibacterial properties.

Grower Benefits

Pyroligneous Acid offers growers a natural low-harm and sustainable alternative to boost plant vigour and increase resilience to pests, disease, and drought, and enhance soil biology for healthier and more productive crops. It can be used as a foliar spray, soil drench, as a germinator or seed soak, or combined with or alongside other products when seeding.

- **Stimulates Plant Growth**

Boosts crop yields from anywhere between 20% and as high as 150%

- **Improves Soil Fertility**

Enhances soil fertility, structure, drainage, & aeration.

- **Improves Plant Resilience**

Enhances plant tolerance & stress resistance to drought, pests, & diseases.

- **Improves Plant Health**

Enhanced antioxidant enzyme activity, reduction of oxidative stress, & helps maintain a higher chlorophyll content.

- **Enhanced Nutritional Quality**

Improves the nutritional quality of fruits and vegetables (E.g. soluble sugar, soluble protein, and vitamin content)

- **Seed Germination & Karrikin Replication**

A great seed germinator & replicates nature's Karrikin process of seed germination only occurring after fire.

Available Formats:

110L & 200L Drums | 1000 Litre IBC