



PyroVantage (Pyroligneous acid) is a natural extract used for agriculture and animal feed.

It's a brilliant addition for organic farming; the natural elements make it an attractive alternative to chemical pesticides and fertilisers. It's also non-toxic and biodegradable so using PyroVantage would bring substantial benefits to your growing plants and agricultural sector.

Its use has a long history of successful replacement of expensive fossil derived agricultural chemicals. With a growing UK biochar and carbon farming industry, this is a must for individuals working towards more sustainable, economical and natural farming practice.

We create a highly potent and quality Pyrovantage, fully certified from Grown In Britain (GiB) wood sources, it's a great inoculator of 'goodness' for Biochar or for any soil.

- Stimulates Plant Growth
- Improves Soil conditions
- Natural Pesticide

Where does PyroVantage come from?

When wood is subjected to destructive distillation or is greatly heated in close vessels, an acid liquor oozes over with the tar and gaseous products. This acid liquor is the pyroligneous acid or wood vinegar. This amazing product is used as an all-natural replacement for your traditional chemical fertilizer and pesticides.

PyroVantage can be applied to the soil surface to help increase the population of beneficial microbe sand to promote plant root growth.

Advantages and Benefits of PyroVantage as Fertiliser:

- Improve absorption through the roots
- Stimulates plants and vegetable growth
- Strengthens roots and leaves
- Increases the quantity of useful microbes
- Increased soil microbial weight

Used as penetrant for better uptake. 1:500 of dilution water

- Increase crop resistance to adverse condition
- Improved tree health, darker green leaves for better photosynthesis, thicker and stronger stems, higher growth rates, naturally more resistant to disease.

- Improves fruit quality and increases sugar content in fruit, and stimulate development of crops
- Improve flavour, colour, firmness and preservation of fruit

Soil Biology Ltd promotes the addition of PyroVantage to the spray tank of SB Organic DE.Si. Add between 2- 4l in 600-800l of water with 2-4 kgs of SB Organic DE.Si. Agitate well

Works as flavour enhancer for agricultural end products: Mix solution rates of 1:500 to 1:1000.

- Pyrovantage prevents excessive nitrogen levels, improves plant metabolism and contributes to higher fruit sugar levels.
- Strengthen the photosynthesis
- Increase the content of chlorophyll of the plants
- Reduced fertiliser or other agrochemical volume used with better yields in viticulture and grain crops

Used as a Foliar spray:

Dilute one part PyroVantage with 200 parts water and spray it to leaves once a month. Dilution ratio can be change to 300 parts waters for the succeeding applications. Allows better uptake and a reduction of up to 50% use of fertilisers, herbicides and pesticides

Advantages and Benefits of PyroVantage as Pesticide:

- Repel pests, prevent plant infection from fungal, bacterial and virus-like disease
- Inhibits virus and soil disease when mixed in high concentration
- Repels insects on plants (or deodorizer): Dilute one part wood vinegar with 20 parts water and spray it the plant or to the substrate in case of odour removal
- Prevents diseases caused by bacteria
- Reduce odour: A PyroVantage solution of 1:50 will diminish the production of odour-causing ammonia in animal pens.
- Repel houseflies. Dilute PyroVantage at a rate of 1:100 and apply to affected areas.
Repel nematodes: 1:500 (apply to the base of plants)
- Control of fungal diseases: 1:200 (spray onto leaves)
- Control of root rot: 1:200 (apply to the base of plants)
- Reduce incidence of chili pepper flowers aborting: 1:300 (spray onto leaves)

Advantages and Benefits of PyroVantage to Enrich Soil:

Enriches soil fertility: Dilute PyroVantage with water (1:200 ration-1 part PyroVantage and 200-part water) and sprinkle it to the soil before planting. Application is one litre solution for every square meter of planting area.

Enrich garden soil: Use a strong solution of 1:30 to apply to the garden soil surface at a rate of 6 litres of solution per 1 m² to enrich the soil prior to planting crops. To control soil-based plant pathogens, use an even stronger rate of 1:5 to 1:10.

Important Note: PyroVantage shows beneficial plant health at lower rates but at increased concentration can also show detrimental effects to the plant health. PyroVantage should always be **diluted** and strength will vary between foliar and soil application along with frequency of application.