Soil Enrichment with Squid Juice

Sabbath Soils offers innovative soil enrichment with squid juice. Our product is formulated to revitalize and nourish your soil, promoting healthy plant growth and bountiful harvests. This natural and sustainable fertilizer is derived from marine sources and is packed with essential nutrients and minerals that plants love. By enriching your soil, you are not only feeding your plants but also improving soil structure, water retention, and overall vitality.

About

Our squid juice contains bio stimulant β-chitin (water-soluble/readily available rare form of chitin), amino acids, fats, lipids, proteins, microbes – 2-2-2 NPK, and micronutrients, including copper, calcium, magnesium, zinc, and more. β-chitin, which is found in squid, is incredibly rare. In fact, it is only found in squid, marine worms, and other uncommon marine animals. Squid is the only natural, commercially viable source of β-chitin.

Benefits

- Chitin is a safe, naturally occurring molecule.
- Chitin acts as a pest suppressant, inducing immune responses and deterring the growth of various pests and diseases.
- Chitin promotes the growth of beneficial soil microbes.
- Chitin acts as a plant growth regulator.

Squid Hydrolysate (Squid Juice)

Squid Juice sustainably sourced from calamari processing, is an all-purpose liquid fertilizer that can be used in organic or traditional farming. It can be applied as a foliar or directly into soil, generally about 4-8 litres per application. The product is screened through a 149-micron screen for use in drip irrigation.

SQUID JUICE

Created by SEABORN

What is in it?

- 2-2-2 NPK and micronutrients, including copper, calcium, magnesium, and more
- Biostimulant B-Chitin (water-soluble/readily available form of chitin)
- Amino acids, fats, lipids, proteins, microbes

Soil Health

- Promotes beneficial soil fungi/microbes
- Increased nutrient retention/availability
- Promotes soil microbial growth/beneficial plant-microbe interactions
- Improved soil structure and quality
- Promotes chelation
- Boots soil nutrition, health, and crop yield

Crop

- Increased plant growth and defence
- Anti-fungal and pest deterrent properties
- Promotes vegetative growth, overall yield, and vigour
- Increase crop quality (brix, colour, flavinoids and terpenes)
- Increases plant stress tolerance

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WHY SQUID FERTILIZER?

Squid fertilizer's combination of chitin, amino acids, micro and macro nutrients are essential building blocks to soil nutrition, health and crop yield.

AMINO ACIDS

Squid Fertilizer has numerous positive impacts on soil health. It contains amino acids, the building blocks of protein and are an excellent natural source of nitrogen. Amino acids are water soluble and easily mixed into injectors, sprayers, and irrigation systems. Amino acids increase plant stress tolerance, promote beneficial soil fungi and microbes and provide excellent chelating action. Studies show that fertilization with amino acids compared to conventional synthetic fertilizers resulted in greater crop growth and photosynthetic rates.

CHELATION

Through chelation, amino acids allow plants to better utilize existing soil nutrition to make optimal use of the copper, zinc, magnesium, iron, boron, and other micronutrients contained in Squid Fertilizer. The core components of Squid Fertilizer including chitin, amino acids & proteins, as well as natural fats & lipids all improve soil quality & promote microbial growth. Beneficial microbes and fungi improve soil structure by making soil more porous which improves nutrient retention and availability. The result is enhanced plant growth.

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Chitin: A Natural Biostimulant and Pest Suppressant

Squid Juice is rich in chitin, a natural bio-stimulant and pest suppressant.

What is Chitin?

Chitin naturally occurs in insect and crustacean shells as well as fungal cell walls. Numerous scientific studies have shown that chitin promotes plant growth and defense. In addition to promoting vegetative growth, chitin is known to have antifungal properties and to deter insects.

Almost all chitin, in nature, has a specific crystal form, known as an α-structure. This structure is heavily mineralized and very insoluble, making it hard to apply and utilize for agricultural processes. Furthermore, the chemical functional groups that cause a lot of chitin's valuable effects, are buried inside the α-chitin structure. We have a much better solution: β-chitin. β-chitin is extraordinarily rare in nature, only occurring in squid and a few other marine animals.

Compared to α-chitin, the nanofibers of β-chitin are more water soluble and much more bioactive; the functional groups are exposed, resulting in molecules that are hundreds, if not thousands, of times more bioactive. We have developed a natural fermentation process to harness the power of β-chitin, in a unique formulation of micro and macro nutrients, specifically designed to increase plant growth, yield, and vigor.

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Connect with us
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