

TECHNICAL DATA SHEET

SEAWEED EXTRACT



Flake

Powder

Micro Particle

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General Information

Seaweed extract is 100% water-soluble and is primarily extracted from the *ascophyllum nodosum*. Contains a variety of balanced nutrients.

It can be applied as a foliar application or by irrigation to provide nutrient support, prevent or correct potassium nutrient deficiencies that may limit growth and yield, and improve crop quality. Works with a variety of crops including conventional, organic, turf, and more.

Longterm use is recommended as it is a stable source of nutrients for plants and soil microbes. Also helps soil store air and moisture for longer.

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Physical Properties		Chemical Properties	
Color	Black	Alginic Acid Content	≥18%
Form	Flake/Powder/Micro Particle	Potassium(K ₂ O)	≥18%
Odor	Characteristic	Cytokinin	≤200ppm
Water Solubility	100%	Gibberellin	≤100ppm
Moisture	3~8% (Micro Particle & Powder≤3%; Flake 5%~8%)	Organic Matter	≥45%
PH Value	8~10	Sulphur(S)	≥1%
Magnesium(Mg)	0.3~0.6%	Boron(B)	10 ppm
Indole Acetic acid(IAA)	30~80ppm	Iron(Fe)	0.1~0.4%
Iodine(I)	500~850 ppm	Manganese(Mn)	25~40 ppm
Zinc(Zn)	≤100ppm	Copper(Cu)	≤20ppm

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Benefits

Global research has yielded various findings on the positive effects of seaweed extracts as fertilizers, including:

Seeds soaked in seaweed extract germinate faster, and the root mass becomes larger, making plants grow stronger and have a higher survival rate.

Soaking plant roots in seaweed extract also reduces transplant shock and accelerates root growth;

When plants were fertilized with seaweed extracts, studies showed: grapes were sweeter;

cucumber yields increased by at least 40 percent, and fruit softening and rot were reduced;

Significant increases in yield after seaweed treatment were measured in potatoes, corn, peppers, tomatoes, apples, strawberries and oranges.





Application

The product has no influence with calcium adoption, which have made it safer to apply on low calcium soils. Its capacity to penetrate the plants stomapermits the leaf to accept nutrients very rapidly in foliar applications as well.

Foliar spraying is the most effective and efficient way to apply seaweed extract to plants. Applying to leaves is 8-20 times more effective than sprinkling on soil.

Spray the seaweed extract in a very fine mist until it drips off the surface of the plant's leaves. Plants will absorb nutrients immediately and benefit from the next day.

Dilution Rates:

Foliar spray: 1: 1500-1: 2000;

Root irrigation: 1: 1200-1: 1500

Packaging and storage Available in 1Kg, 5Kg, 10Kg, 20Kg
bag or 600Kg bulk bag

Storage: Dry, cool, direct sun light proof, moisture proof
warehouse.

Shelf life: 36 months.