

SEA BROWN POWDER



Allowed Input
Cert. No. 19013

Approved to use in
Organic Agricultural System

• Seaweed extract powder with high K

Seawin's **SEA BROWN POWDER** is derived from the brown kelp *Laminaria (Saccharina) japonica* using our patented enzymatic extraction, which preserves the most amount, and guarantees consistent and high quality of active ingredients like Seawin's Polysaccharide (alginic acid), amino acids, betaine, plant growth hormones and secondary & trace elements.

Product Features

- Alginic acid and Glycine betaine to reduce effects of stress
- Alginic acid and amino acid as a food source for soil microbes, increases microbe activity

Seawin's Polysaccharide (Alginic acid)

Alginic acid serves an important role in plant rigidity while submerged in seawater. It also helps with the uptake of carbohydrates along the plant vascular tissues. With these properties, it helps with reducing the effects of biotic and abiotic stresses.

Brown seaweed also contains glycine betaine. Glycine betaine is a major osmolyte controlling water movement in and out of plant cells. It plays a major role in assisting plants to cope with environmental stresses such as drought, salinity, extreme temperatures and frost.

The alginic acid and amino acids are food sources for beneficial microbes in the soil which perform many crucial functions including making nutrients available to plants. In addition, these act as chelating agents for the micronutrients. Therefore nutrients are then more readily absorbed by the plant.

Unique
Extraction
Method



Packaging Size: 20kg carton

Product Analysis

Nitrogen (N).....	1.5%
Phosphorous (P).....	1.5%
Potassium(K).....	16.6%
Iron(Fe).....	0.26%
Boron(B).....	0.19%
Alginic Acid.....	15%
Organic Matter.....	50%

Also contains other naturally occurring secondary and trace elements.

Physical Characteristics

Black brown powder, 100% water soluble, pH 8-10

Application

Hydroponic and field horticulture crops

Fertigation: 1.5-3 kg/ha.

Best applied together with other nutrition.

Foliar: 0.5-2 kg/ha.

Dilution Ratio: 1kg to 2000L-3000L of water. Can be used together with Agchem sprays, 'Jar Test' needed for compatibility testing.

For application suggestions specific to your crop, please contact your local agronomist or Seawin's distributors.