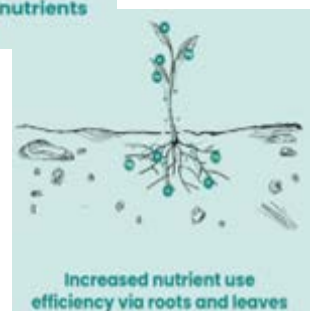
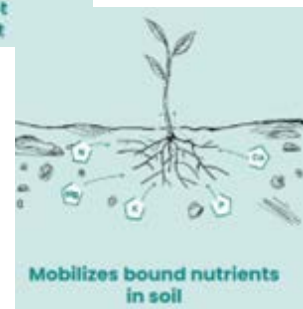
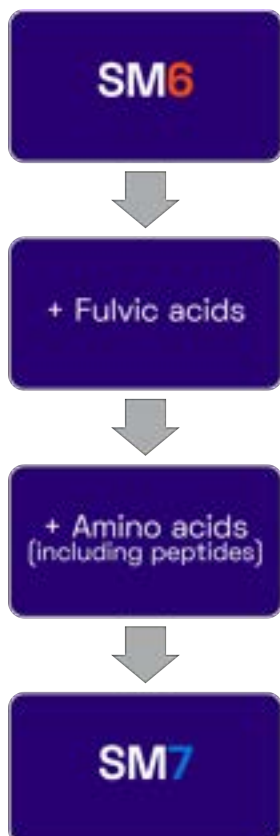


SM7 Data Sheet

Total organic matter - 14%
Seaweed solids - 7%
Fulvic acids - 2.5%
Amino acids - 5.0%

SM7 has been designed to help plants to be more efficient in nutrient usage and uptake. It improves root development, increase nutrient use efficiency and mobilises bound nutrients in the soil. It is a perfect blend between our *Ascophyllum nodosum* seaweed extract, SM6, an organic fulvic acid and an amino acid and peptide range.





Alginic Acids

As part of overall plant carbohydrates, this water-soluble polymer feeds micronutrients and bonded sulphur to plants. It therefore assists with nutrient availability/ delivery.

Mannitol

Mannitol is a sugar-alcohol that has been widely shown to be an osmotic regulator in plants. Mannitol can act to protect and adjust cell-water status in abiotic stress and water-related stress issues. It is also involved in inorganic nutrient chelation and can act to improve nutrient availability similar to alginic acid.

Fulvic Acids

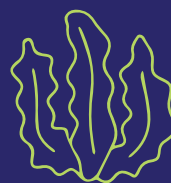
Fulvic acids are smaller molecules in the humic acid family. The group is isolated using ion exchange during the purification of drinking water rendering it as naturally organic in nature. The group has high cation exchange capacity, which helps to unblock phosphorous solubilization making it readily available to plants.

Amino Acids and Peptides

Amino acids and peptides are essential for forming proteins, enzymes, and hormones, promote cell growth, increase resistance to abiotic stress, and optimise nutrient uptake. Their inclusion ensures a direct and efficient boost to overall plant health and vitality.

Micronutrients

Many micronutrients including iron, zinc, boron and manganese are present. They may be present as organically chelated forms, potentially making them more available to plants. They play a critical role in supporting healthy plant growth by aiding natural processes like cell structure formation, energy transfer and photosynthesis.





SM7 containing no less than 20% w/v soluble solids

SM7 is an organic product with the following typical analysis.

Bioactive Components

Organic Matter	14%
Soluble Solids	>20%
Seaweed Solids	>7.5%
Fulvic Acid	>2.5%
Amino Acids	>5.0%

Elemental Analysis

Nitrogen	1.4%
Phosphorus	0.02%
Potassium	0.4%
Sulphur	0.6%
Calcium	0.07%
Magnesium	0.10%



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