



WAVE SEA MINERALS

EXTRACTED FROM OCEAN WATER

WAVE is a nutrient dense, low sodium, full spectrum ionic sea mineral solution derived from ocean water. Ionic minerals are elements that are totally dissolved. It is only in this ionized state that nutrients can be absorbed by plants.

There is a very simple reason why WAVE sea minerals are efficient: minerals and trace elements are required for the formation of plant compounds such as enzymes, vitamins, proteins, oils and sugars. They are crucial ingredients in a healthy active soil, nourishing the plant and aiding in photosynthesis. Also, they help plants protect themselves against fungal infection and pathogens.

One teaspoon (5ml) of sea minerals will deliver an amazing 1500 mg of minerals with only about 90 mg of sodium. Thanks to their very fine particle size, WAVE ionic sea minerals are optimally absorbed in soil, foliar or hydroponic applications.

THE JOURNEY OF SEA MINERALS

Big Blue WAVE sea minerals are derived from ocean water collected in remote areas, far from urban and industrial pollution. All water on earth eventually finds its way to the ocean. Throughout this journey water is enriched with various minerals that, when brought together in the ocean, give sea water a full spectrum of ionic trace nutrients. In fact, ocean water is recognized as the best source of trace elements found on the planet. There are a number of ways to convert seawater into a plant-friendly mineral concentrate. For Big Blue WAVE, the process used is non-mechanical: ocean water undergoes a number of unique solar evaporative processes reducing it to 1/100th of its initial volume. 100 litres of ocean water yields only about 1 litre of Big Blue WAVE sea minerals.



OVER 90 MINERALS AND TRACE ELEMENTS*

| | | | | |
|---------------------------|------------------------------|----------------------------|---------------------------|---------------------------|
| Sodium (Na) 21500mg/L | Boron (B) 221 mg/L | Neodymium (Nd) 0,151 µg/L | Holmium (Ho) 0,045 µg/L | Tantalum (Ta) 0,01 µg/L |
| Yttrium (Y) 1,37 µg/L | Antimony (Sb) 5,44 µg/L | Cadmium (Cd) 0,60 µg/L | Scandium (Sc) 15,2 µg/L | Gallium (Ga) 1,23 µg/L |
| Potassium (K) 19800 mg/L | Chloride (Cl) 152000 mg/L | Samarium (Sm) 0,061 µg/L | Erbium (Er) 0,132 µg/L | Tungsten (W) 3,21 µg/L |
| Zirconium (Zr) 8,14 µg/L | Tellurium (Te) 0,768 µg/L | Cobalt (Co) 49,5 µg/L | Selenium (Se) 2660 µg/L | Rubidium (Rb) 4400 µg/L |
| Calcium (Ca) 40,9 mg/L | Sulphate (SO4) 61000 mg/L | Europium (Eu) 0,051 µg/L | Thulium (Tm) 0,017 µg/L | Platinum (Pt) 0,038 µg/L |
| Niobium (Nb) 0,035 µg/L | Cesium (Cs) 2,62 µg/L | Chromium (Cr) 42,2 µg/L | Tin (Sn) 40 µg/L | Strontium (Sr) 109 µg/L |
| Magnesium (Mg) 71200 mg/L | Silver (Ag) 0,01 > µg/L | Gadolinium (Gd) 0,096 µg/L | Ytterbium (Yb) 0,148 µg/L | Thallium (Tl) 0,01 > µg/L |
| Rhodium (Rh) 0,98 µg/L | Lanthane (La) 0,101 µg/L | Copper (Cu) 40,9 µg/L | Zinc (Zn) 443 µg/L | Thorium (Th) 0,269 µg/L |
| Sulphur (S) 18000 mg/L | Cerium (Ce) 0,142 µg/L | Terbium (Tb) 0,01 µg/L | Lutetium (Lu) 0,180 µg/L | Bismuth (Bi) 0,01 > µg/L |
| Palladium (Pd) 2,63 µg/L | Beryllium (Be) 0,01 > µg/L | Molybdenum (Mo) 42,3 µg/L | Titanium (Ti) 44,7 µg/L | |
| Lithium (Li) 8,62 mg/L | Praseodymium (Pr) 0,043 µg/L | Dysprosium (Dy) 0,195 µg/L | Hafnium (Hf) 0,597 µg/L | |
| Indium (In) 0,01 > µg/L | Barium (Ba) 2,64 µg/L | Nickel (Ni) 18,2 µg/L | Vanadium (V) 3,05 µg/L | |

* Typical analysis of some of the minerals in WAVE



A Quality Product By:



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MINERALS AND PLANT PERFORMANCE

In 1828, Carl Sprengel developed an agricultural principle that was eventually called Liebig's Law of the Minimum. Simply put, the principle stipulates that a plant's growth potential is determined by the nutrient that is most limiting. Not every nutrient is needed in large quantities, but a deficiency in a trace nutrient can have significant impact on growth. Therefore, in order for a plant to achieve its full potential, it needs access to a wide spectrum of nutrients including trace minerals. With over 90 minerals in perfect balance, Big Blue WAVE provides plants with the best opportunity for optimal growth.

Just as the capacity of a barrel with staves of unequal length to hold water is limited by the shortest stave, so a plant's growth is limited by the nutrient in shortest supply.

BOOSTING GROWTH LIKE NOTHING ELSE

TOMATOES

With one foliar application followed by a flood irrigation of sea minerals, an organic tomato farmer in Colorado produced tomatoes that, at nearly one pound (453 g) each, were more than twice as large as the same tomatoes grown on the untreated fields.



WHEAT

After a single foliar application of sea minerals, winter wheat in Montana showed increased protein by nearly 19%, increased vitamin content from 10 to 38%, and 17% more yield versus the untreated wheat.



FRUITS & VEGETABLES

Fruit growers have reported that non-bearing trees began producing, while others have reported greater yields and healthier fruit overall. Vegetables fared just as well, with reported yield increases ranging from 20% to as high as 100%.



RICE

A paddy plantation in Thailand reported 30% more yield after a single application of WAVE.



TAPIOCA

Mixed with organic compost, sea mineral extract was applied before planting. At 7 months, treated plants were already approximately 8 ft tall, and at harvest, they produced 50% more yield.



The Agriculture Division of Earth Alive is based on one simple conviction: a healthy and natural soil is essential for productive and sustainable agriculture. We have developed product lines that are not only environmentally friendly but also sustainable and human friendly. The creation and availability of organic input options for all scales of agricultural production is a major issue in the worldwide supply chain. We offer cutting-edge soil amendments and inputs to meet the needs of all organic and natural agricultural producers.

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