



MARPHYL
MARINE PHYTOPLANKTON

100% ORGANIC MARINE PHYTOPLANKTON SOIL ENHANCER +PHOSPHATE

GUARANTEED ANALYSIS

Calcium.....	420ppm	.....	0.042%
Magnesium/Magnésium	1360ppm	.....	0.136%
Nitrogen/Azote.....	1900ppm	.....	0.19%
Phosphorus/Phosphore	2490ppm	.....	0.24%
Potassium.....	314ppm	.....	0.0314%
Boron/Bore	5.3ppm	.....	0.00053%
Iron/Fer.....	4.3ppm	.....	0.00043%
PPM = Part per million			
Guaranteed analysis / analyse garantie			

- ECO-FRIENDLY
- PLANT-BASED
- NON-GMO
- RUNOFF SAFE

- PET SAFE
- 100% NATURAL
- NON TOXIC
- OMRI ORGANIC CERTIFIED

NATURALLY RICH IN:

- NITROGEN
- POTASSIUM
- PHOSPHORUS



PERFECT FOR ALL YOUR PLANT NEEDS

- INDOOR/OUTDOOR PLANTS
- URBAN/VEGETABLE GARDENS
- FLOWERS (INCLUDING ORCHIDS)
- LAWNS
- GOLF COURSES
- GREENHOUSES
- HYDROPONICS



MADE OF UP TO
80 SPECIES OF WILD
MARINE PHYTOPLANKTON,
THE FOUNDATION OF LIFE IN THE OCEAN



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PRODUCT OF
VANCOUVER ISLAND
CANADA

BENEFITS OF PHOSPHORUS-ENRICHED MARINE PHYTOPLANKTON SOIL ENHANCER

Enhanced Nutrient Availability

Marine phytoplankton contains a range of micronutrients and, when supplemented with phosphorus, provides a balanced nutrient profile that supports various plant functions, especially flowering/fruitletting.

Improved Soil Health

The organic matter from phytoplankton fosters beneficial microbial activity, aiding in the natural solubilization of phosphorus, making it more available to plants.

Sustainable Fertilization

Utilizing marine phytoplankton as a base for your soil enhancer promotes the recycling of oceanic nutrients, offering an eco-friendly alternative to synthetic fertilizers.



Addressing Phosphorus Deficiency

Plants lacking sufficient phosphorus may exhibit stunted growth, delayed maturity, and dark green or purplish foliage due to the accumulation of sugars. Applying a phosphorus-enriched soil enhancer can alleviate these symptoms by supplying readily available phosphorus in conjunction with other essential nutrients.

ESSENTIAL ROLES OF PHOSPHORUS IN PLANTS

Energy Transfer

Phosphorus is essential for energy transfer within plants, facilitating various metabolic processes.

Genetic Material

It forms part of DNA and RNA, crucial for genetic information storage and transfer.

Root Development

Adequate phosphorus enhances root growth, improving water and nutrient uptake.

Flowering and Fruiting: It plays a significant role in the formation of flowers and fruits, influencing crop yield and quality.

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ENVIRONMENTAL CONSIDERATIONS

While phosphorus is essential, its overuse can lead to environmental issues such as eutrophication, where excess phosphorus runoff stimulates harmful algal blooms in water bodies. Therefore, it's crucial to apply phosphorus-containing products judiciously, **following recommended application rates and considering soil testing** to determine existing nutrient levels.

Recommended application **from mid-late stage growth** for maximum effect

Standard **1:20 mix ratio**
(1 part Soil Enhancer to 20 parts water) including for hydroponics



BY INTEGRATING PHOSPHORUS INTO OUR MARINE PHYTOPLANKTON SOIL ENHANCER WE OFFER A PRODUCT THAT, THROUGH MICROBIAL ACTIVITY, **ENHANCES PLANT'S PHOSPHOROUS UPTAKE ABILITY** AND SUPPORTS SUSTAINABLE AND **RESPONSIBLE AGRICULTURAL PRACTICES.**



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PHYTOPLANKTON HARVESTING PROCESS

The ocean water gets pumped into tanks adjacent to the Pacific Ocean, where the phytoplankton naturally reproduces in big quantities (more than 100 million per tank). This reproduction process occurs on Vancouver Island under natural sunlight and environment. It removes tons of CO2 from the atmosphere, which is shown as a massive production of oxygen (one batch produces as much oxygen as a 7- hectare forest).

When the water first comes in, one millimetre of water contains approximately 800 cells of marine phytoplankton, which will start multiplying as a result of the natural sunlight and natural surrounding environment on top of our patented process. At the harvesting stage, one millimetre of water has approximately 128,000,000 cells of marine phytoplankton.

The remaining water is released back into the ocean with the same amount of phytoplankton that was originally taken in order to not impact the marine life. The production plays an important role in the marine environment.

MARPHYL® IS A 100% ALL-NATURAL, WILD, MULTI-SPECIES MARINE PHYTOPLANKTON (MICRO ALGAE). IT IS A WHOLE FOOD INGREDIENT WHICH CONSISTS OF UP TO 80 DIFFERENT SPECIES OF MARINE PHYTOPLANKTON. IT IS A FULL COMPLEMENT OF ESSENTIAL NUTRIENTS.



OVER 12 000 5-STAR
REVIEWS FROM
SATISFIED CLIENTS

We have decided to donate 1% of all our sales to Mission Blue, an initiative of the Sylvia Earle Alliance (S.E.A.), that with public support protect Hope Spots – special places that are vital to the health of the ocean, the blue heart of our planet. With two hope spots under consideration where MARPHYL® marine phytoplankton is taken form, it was the perfect organization to contribute to.



Marine phytoplankton has been called the most nutritionally dense food on the planet. MARPHYL® Marine phytoplankton is rich in trace minerals, antioxidants, carotenoids, essential amino acids, beta-carotene, chlorophyll, DHA, EPA, macronutrients, proteins, fatty acids, including omega-3 and omega-6 with a concentration of vitamins A, B1, B2, B3, B5, B6, B12, C and E.

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