



COASTBIO

BioPhos+



A commercial grade water-soluble Bio-Fertilizer containing a blend of beneficial, phosphorus solubilizing microorganisms (PSMs) designed to increase biomass and yield, and reduce the need for chemical fertilizers used in the production of rice, trees and vine crops, cotton, grains, and vegetables. Apply as seed box treatment, soil/fertilizer input, or soil drench. Suitable for fertigation.

AVAILABLE SIZES:

30lb Buckets
5lb Buckets
Case of 5lb Buckets x 4

BENEFICIAL MICROBES:

Bacillus megaterium, Bacillus polymyxa,
psuedomonas putida, Paenicillium Bilai
1 Billion CFU/ Gram

CDFA Organic Input Material

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BIO PHOS + Soluble Concentrate

CONTAINS NON-PLANT FOOD INGREDIENTS

Contains the following species of beneficial microorganisms

Bacillus megaterium.....	5.00x10 ⁸ CFU/g
Bacillus polymyxa.....	3.50x10 ⁸ CFU/g
Pseudomonas putida.....	1.50x10 ⁸ CFU/g
Penicillium bilaii.....	5.00x10 ⁸ CFU/g

Net Weight: 1 lb (0.45kg)

Expiration Date:

DIRECTIONS FOR USE:

Use as Microbial Inoculant for Soils

Dilution Rate: Use 1/2 to 1 tsp per gallon depending on application.

Seed/Sod Installation: Apply 1-2 oz per 2500 square feet, then seed or lay sod.

Soil Prep for Gardens and Flower Beds: Apply 0.5-1 oz pounds per 1000 square feet. In very poor soil, double the rate.

Potting Mix: Mix into potting soil at a rate of 1 pound per cubic yard.

Fertilizer Mix: Add 5 pounds per ton.

Top Dressing: Apply one 1-2oz per 2500 square feet. Reservoir: 1-2 grams per 10 gallons of reservoir.

Field Application: Apply 2lbs per acre.

Mix concentrated product with water, mixing thoroughly before application. Product is suitable for most irrigation systems.

Caution: Store product in cool dry conditions. Do not expose inoculants to direct sunlight for extended periods of time. Always wear a dust mask when handling.

Statement of Claims: CoastBio certifies that the product contains the micro-organism listed on the label at the CFU count as stated. The organism(s) are sensitive to environmental conditions and CoastBio is unable to make any guarantees beyond the above statement.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



Guaranteed by:

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PSMs and Our Microbe Blend

Most soils contain non-soluble P that plants are unable to access without the help of PSMs leading growers to use chemical P-fertilizers that leach out into groundwater and cause the eutrophication of surface waters. Using PSMs in combination with insoluble mineral phosphates, which may already be present in sufficient quantity in your soil, allows your plants to access the Phosphorus needed to produce biomass while using less chemical P fertilizer and drastically reduces pollution from phosphate leaching. BioPhos+ contains 1 billion cfu/gram of the following bacteria:

Psuedomonas Putida - converts phosphates in soil into bioavailable phosphorus. Produces indole ascetic acid which stimulates plant growth.

Penicillium bilai - a fungus that breaks down organic matter and releases those nutrients into the soil for plants to access.

Bacillus megaterium - has the ability to fix nitrogen and solubilize phosphorus.

Bacillus polymyxa - produces enzymes that break organic matter in the soil and release nutrients for the plants to use.

BioPhos+ Uses and Application Rates

For Use on: Vegetables, Tree and Vine Crops, Grains, Berries, Legumes, Row Crops, Forage, Corn, Cotton/Hemp, and Herbs

Applications: Fertigation, Soil Drench, Seed Box Treatment, Fertilizer/Soil Mix Input, Soil-less growing media, field/row/bed preparation.

Application Rates:

General: 1/2-2lbs per acre depending on soil quality and crop type.

Seed Treatment: Apply 1/4 lb per 100lbs of seed.

Soil Application: Apply 1/2-2 lbs per acre as a drench every 4-8 weeks during the growing season.

Field/bed/row preparation: Apply 1/4-1/2 lb to the soil during tilling before planting or anytime during the growing season.

