

Fosfonat® 2000 2mm

Developed for substrate mixing



Endomycorrhizal fungi and beneficial bacteria (PGPR)

Enhances root growth, increases absorption of water and nutrients, improves yield and performance

Fosfonat® 2000 2mm is a biological inoculant based on mycorrhizal fungi, which provide the plant with an additional supply of water and nutrients.

Rhizobacteria (PGPR) release phosphates blocked in the soil and make them available to the plant. They produce plant growth hormones (gibberellins and cytokinins), which stimulate plant and root growth.

	Increases	Reduces
Benefits:	Availability of water and nutrients (P) • Root mass • Water absorption • Production and quality • Respiration and photosynthesis	Plant losses • Irregular growth • Damage from water and salt stress • Use of fertilizers • Vulnerability

Compatibility: **Fosfonat® 2000 2mm** is compatible with most fungicides if contact is only brief. However, avoid using biocides like hydrogen peroxide and chlorine during application. In general, **Fosfonat® 2000 2mm** is compatible with diluted fertilizers, but should not be mixed with highly concentrated solutions in the same tank. **Copper:** Use in combination with fungicides containing copper is possible. However, we recommend consulting our technical advisors first.

Application: **Fosfonat® 2000 2mm** is a biological inoculant developed for use for substrate mixing or mixing into the soil. Apply the product at an early growth stage of the plant.
Mix the product as homogeneously as possible into the soil or substrate prepared for sowing or planting.
Vegetables, herbs, flowers, ornamental and medicinal plants: Sowing or seedling production: 0.25-0.5kg product per 10,000 seedlings; mix into the substrate and apply as spray followed by additional water to drench it into the root zone. Production in the open field or greenhouse: in the case that the product has not already been applied to the seedlings prior to planting; apply directly after transplant 0.25-0.5kg/ha in 1 or 2 applications.
Fruit trees, citrus trees, vines: Seedlings: 0.25kg/ha Open field production: 0.25-0.5kg/ha in one application when the plants leave winter dormancy.
Berries (strawberry, raspberry, blackberry): 2-3 weeks after transplant 0.25-0.5kg/ha in one application.
Maize, grain, fodder grass: 250g/ha
Potato: 0.25-0.5kg/ha sprayed onto the seed potatoes during planting.
Tree nursery: For endomycorrhizal tree species 0.5-1.5kg per 10,000 plants, depending on pot volume.
Lawn: 0.25kg/ha
Substrate mixing: Varying application rates, depending on the crop and the production system (please contact our technical support).

Storage: Store product in a cool, dry place. Avoid high temperatures and direct sunlight. The product's shelf life is 24 months.

Ingredients:	Endomycorrhizal fungi:	<i>Rhizoglo mus irregulare</i> , <i>Funneliformis mosseae</i> , <i>Funneliformis geosporum</i> : 2.000 propagules/g Diameter: max. 2mm
	Beneficial bacteria (PGPR): Solubilization of phosphorus, production of plant growth hormones	<i>Bacillus amylo liquefaciens</i> , <i>B. licheniformis</i> , <i>B. megaterium</i> , <i>B. pumilus</i> , <i>B. subtilis</i> : 2.000.000.000 CFU/g (2x10 ⁹ CFU/g) CFU = Colony Forming Units

SOIL AMENDMENT ACCORDING TO THE GERMAN FERTILIZER REGULATION
The product can be used in organic farming according to EU Eco-Implementing Regulation 2018/848
Mutual Recognition Regulation (EU); No. 2019/515. Basic country Germany

