

ekofertile™ soil

Microbial soil stimulant – PFC 6(A)

ekofertile™ soil is a biostimulant for the fertilization of ornamental and cultivated plants in multiple types of agriculture (conventional, organic, vertical) to support the development, growth and health of the plants. *ekofertile™ soil* in the form of enriched solid mineral carrier materials, contains active microbial organisms and naturally produced organic acids as their metabolites. These increase the availability of nutrients in the soil, have a positive effect on the quality characteristics of plants and increase their tolerance to abiotic stress. Minerals provide soil and plants with important nutrients.



PRODUCT SEARCH SUBMIT PRODUCTS

Product

Product name	Ekofertile plant
Main category	Fertilizers, composts, soils and technical materials
Sub categories	Aids and additives // Plant aids

Product details

Content	Composition, comments

Standards

‘EU organic legislation’ refers to Reg. 834/2007 (until end of 2021) and Reg. 2018/848 (from 2022 on). Our implementation policy is described in the ‘Basic Admission Criteria for the European Input List’. Restrictions mentioned under ‘EU organic legislation’ apply for all organic farms.

Evaluation standard	Restriction	Valid until
EU organic legislation	-	31/12/2022
Dutch Input List	-	31/12/2022

Composition of the end product

- Biomass: up to 1% (*microlive*[®] - probiotic lactic acid bacteria of the sort Lactobacillus)
- Natural Minerals:

Total Nitrogen (N) <i>VDLUFA II.1, 3.5.2.7; 1995</i>	%	0.105
Ammonium Nitrogen (NH ₄ -N) <i>DIN EN ISO 11732-E 23; 2005-05</i>	%	< 0.01
Nitrate-Nitrogen (NO ₃ -N) <i>DIN EN ISO 13395-D 28; 1996-12; #6</i>	%	< 0.01
available nitrogen (NH ₄ -N + NO ₃ -N) <i>Calculated; #6</i>	%	< 0.01
Carbamid Nitrogen (N) <i>VDLUFA II.1, 3.9.2; 1995</i>	%	< 0.05
Phosphorus (P ₂ O ₅), mineral acid soluble <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.114
Potassium (K ₂ O), mineral acid soluble <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.322
Magnesium, total (calculated as MgO) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	1.14
Calcium, total (calculated as CaO) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	1.33
Total Sulphur (S) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.121
Sodium (Na) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	%	0.133
Alkaline active components (calculated as CaO) <i>VDLUFA II.1, 6.3; 1995</i>	%	2.59
Boron (B) <i>DIN EN ISO 11885 (E 22); 2009-09, #A2</i>	mg/kg	3.32
Cobalt (Co) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	5.15
Iron (Fe) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	16300
Copper (Cu) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	6.42
Manganese (Mn) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	206
Molybdenum (Mo) <i>DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1</i>	mg/kg	0.228
Zinc (Zn) <i>DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1</i>	mg/kg	33.7



--- production of biofertilizers / biostimulators ---

Benefits and recommendations for use

- Improves the soil structure and soil air balance.
- Increases the nutrient and water holding capacity of the soil.
- Improves the buffering properties of the land.
- Promotes root growth, increases plant biomass, increases fruit yields.
- Increases nutrient availability for plants in the soil.
- Positively influences the quality characteristics of plants.
- Increases the tolerance of plants to abiotic stress.
- Provides the plants with important nutrients from minerals.
- Stimulates plant growth and increases yield and quality of plants.
- Favors the plant's energy balance.
- Encourages and stimulates the growth of beneficial microorganisms and activates soil life.
- Reduces residues of herbicides and toxic substances in the soil.
- Promotes the germination rate and the development of root seedlings.

Application areas

- Farming
- Vegetable growing
- Orchards
- Lawn cultivation and landscaping

Instructions for proper use

Reference is made to the provisions of the genetic engineering law. Reference is made to other waste-related fertilizer regulations.

The following application recommendations from the manufacturer should be adhered.

Single application shortly or immediately before sowing.

ekofertile™ soil is applied to the soil by incorporation/cultivation.

Application rates *

In arable farming, lawn cultivation and landscaping: Incorporation/cultivating – at least 100 kg per hectare *ekofertile™ soil* – depending on the application up to approx. 10%

In vegetable growing, fruit growing, cultivation: Working in/cultivating/mixing in - depending on application approx. 10 to a maximum of 30% *ekofertile™ soil*

* These are standard recommendations and may vary depending on soil characteristics, crop and local system conditions. However, over-fertilization due to excessive concentration should be avoided.



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Storage:

Store *ekofertile™ soil* in the original sealed containers/bags in a dark place at a temperature of approx. 10-25 °C. Protect from frost, fire and direct sunlight.

Durability:

If stored in undamaged original packaging and compliance with the storage conditions, 3 months from the date of manufacture.

Pack sizes:

Bags/sacks of 1, 2, 5, 10, 25, 1000 kg.

Manufacturer:



VICTORY ORGANICS d.o.o.
Lipovac 1, Nehaj
31208 Petrijevci
Croatia

Contact
Phone: +385 99 4664 888
Mail: info@victory-organics.com
Web: www.victory-organics.com
Web: www.victory-organics.com

Company registration number: 130087552
District court Pazin (CROATIA)
VAT: HR7700103466