--- *production of biofertilizers / biostimulators* ---

IN COOPERATION WITH EKOLIVE S.R.O

ekofertile™ plant

Microbial plant stimulant – PFC 6(A)

ekofertile™ plant is a biostimulant for the fertilization of ornamental and cultivated plants in any type of agriculture (conventional, organic, vertical, hydroponic, aeroponic) to support the development, growth and health of the plants.
The preparation in the form of an aqueous suspension of a liquid concentrate contains active microbial organisms and naturally produced organic acids as their metabolites. These have a complex effect on plants, stimulating the nutritional process and improving the efficiency of nutrient utilization. *ekofertile™ plant* increases the availability of nutrients in the soil, positively influences the quality characteristics of plants and increases their tolerance to abiotic stress.
Dissolved minerals supply the plants with important nutrients.

Dutch Input List FiBL Skal BIO CONTROLE

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

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ekolive

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Composition of the liquid end product

- Biomass: 57 % (*microlive®* - probiotic lactic acid bacteria of the sort Lactobacillus)
- Water: 43% - dissolved in:
  - naturally produced organic acids 2.4% (lactic acid 13,577 mg/l, butyric acid 2,399 mg/l, acetic acid 1´970 mg/l, Methanol 4´632 mg/l, Ethanol – 1´536 mg/l)
  - Dissolved elements:

Total Nitrogen (N) *VDLUFA II.1, 3.5.2.7; 1995*	%	0.0400
Ammonium Nitrogen (NH_4-N) *DIN EN ISO 11732-E 23; 2005-05*	%	0.01
Nitrate-Nitrogen (NO_3-N) *DIN EN ISO 13395-D 28; 1996-12; #6*	%	< 0.01
available nitrogen (NH4-N + NO3-N) *Calculated; #6*	%	0.01
Carbamid Nitrogen (N) *VDLUFA II.1, 3.9.2; 1995*	%	< 0.05
Phosphorus (P_2O_5), mineral acid soluble *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	< 0.0100
Potassium (K_2O), mineral acid soluble *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	0.0840
Magnesium, total (calculated as MgO) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	0.0275
Calcium, total (calculated as CaO) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	0.0855
Total Sulphur (S) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	0.0250
Sodium (Na) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	%	0.0895
Silicon (Si) *DIN EN ISO 11885 (E 22); 2009-09 (mod.); #6, #A2*	%	< 0.0100
Alkaline active components (calculated as CaO) *VDLUFA II.1, 6.3; 1995*	%	0.440
Boron (B) *DIN EN ISO 11885 (E 22); 2009-09, #A2*	mg/kg	< 2.00
Cobalt (Co) *DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1*	mg/kg	0.117
Iron (Fe) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	mg/kg	142
Copper (Cu) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	mg/kg	< 2.00
Manganese (Mn) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	mg/kg	6.58
Molybdenum (Mo) *DIN EN ISO 17294-2 (E 29); 2005-02 (mod.), #A1*	mg/kg	< 0.100
Zinc (Zn) *DIN EN ISO 11885 (E 22); 2009-09 (mod.), #A1*	mg/kg	< 2.00
pH value *DIN 38404-C 5; 2009-07; #6*		4.5
Salt content *VDLUFA I, A 10.1.1; 1991*	% KCl	0.782

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Benefits and recommendations for use

- Increases nutrient availability in the soil.
- Positively influences the quality characteristics of plants.
- Increases the tolerance of plants to abiotic stress.
- Supplies the plants with important nutrients from dissolved 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.
- Strengthens root development and increases fruit yields.
- Promotes the germination rate and the development of root seedlings.

Application areas

- Farming
- Vegetable growing
- Orchards
- Substrate cultures
- Hydroponics
- Lawn cultivation and landscaping
- Seed treatment

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.

One or more applications only before and during the growth phase of the plants.

A three-time application is recommended: first application in the 2nd to 4th leaf stage, second and third application 14 days apart after the first application.

ekofertile™ plant is applied by spraying/watering the plants and soil.

Application rates *

Spraying/irrigation: 1 liter per hectare *ekofertile™ plant* diluted (1:100) in 100 liters of water.

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

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Storage:
Store *ekofertile*™ ***plant*** in the original closed 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.

Package sizes:
Bottles/canisters with 1, 2, 5, 10, 25, 50, 1000 liters.

Manufacturer:

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