



PRODUCT CARD

ECO-PLON VOLCANIC MINERALS

NATURAL, MINERAL, ECOLOGICAL
PRODUCT MADE OF VOLCANIC LAVA



ECO-PLON VOLCANIC MINERALS – ecological, mineral soil properties improving agent and is a mineral composition of volcanic lava and sedimentary rocks,

UNIVERSAL

- 100% natural product
- Causes intensive root and plants growth
- Creates soil crumbling
- Fruits and vegetables with rich taste and color
- adjusts mineral balance

The product is natural and supports plant development by improving the physicochemical properties of the soil and providing necessary macro and microelements.

ADMISSIONS AND CERTIFICATES



The product was made on the basis of the invention, registered and processed as a patent in PCT system in Geneva for 148 countries.

The product has research and opinions of:
New Chemical Syntheses Institute in Puławy,
Institute of Horticulture in Skierniewice to use for:

- cultivation of vegetable plants
 - cultivation of fruit plants
 - cultivation of ornamental plants and lawns
- Institute of Soil Science and Plant Cultivation State Research Institute

- Department of Plant Nutrition and Fertilization
- A testimony of qualification of the product under the name of ECO-PLON VOLCANIC MINERALS to use in ecological agriculture under reference NE/360/2017
- European Green Leaf Certificate
- European Guarantee of Highest Quality

GENERAL CHARACTERISTICS

- Remineralizes the soil
- Contains natural macro and microelements necessary for plants growth, fine development of root system and aboveground part
- Has a beneficial impact for a yielding growth
- Enhances plants' immunity to fungus diseases

MACRONUTRIENTS:

9 easily assimilable macronutrients:

-Calcium	Ca	to 5040,00 mg/dm ³
-Phosphorus	P	to 74,00 mg/dm ³
-Potassium	K	to 86,00 mg/dm ³
-Magnesium	Mg	to 440,00 mg/dm ³
-Sulfur	S	to 8,00 mg/dm ³
-Sodium	Na	to 135,00 mg/dm ³
-Chlorides	Cl	to 17,00 mg/dm ³
-Nitric nitrogen	NO ₂	to 56,00 mg/dm ³
-Ammonical nitrogen	NH ₄	to 1,30 mg/dm ³

MICRONUTRIENTS:

- Manganese Mn₂O₃ to 0,20%
- Titanium TiO₂ to 1,33%
- Iron Fe₂O₃ to 14,61%
- Aluminium Al₂O₃ to 13,00% (of assimilable form 3% - 5%)
- Silicon SiO₂ to 55,00% (of assimilable form 5% - 8%)
- Copper CuO to 0,040%
- Trace amounts (sufficient for plants) of zinc, nickel, niobium, hafnium, molybdenum, zirconium, vanadium, lithium, chromium, strontium, selenium

PROPERTIES OF THE MINERALS

- Minerals are not leached into the ground water
- Minerals are easily assimilable for plants
- Give an opportunity to nourish the plants through the whole vegetation period
- Silicon impacts on stiffness of the stalks, enhances plants' immunity to diseases
- create a natural barrier for pathogens which attack the plant
- stimulates uptake of nutrients from the soil
- Minerals enhance the plant against biotic stress and pest attack
- Enhance the plant against freezing and water scarcity

THE APPLICATION OF THE PRODUCT IMPACTS ON:

- Soil crumbling, which is more aerated and enables easier absorption of macro and microelements by the plant
- Remineralization of the soil and creation of humus
- Slow and systematical release of nutritional products
- Mineral balance of the soil and plants
- Increased activity of soil microorganisms
- Intensity of color and taste of fruits, flowers
- Better quality of preserves
- Yielding growth 5 – 20%

THE SYSTEM OF APPLICATION

Date of application:

- In the period between March and October
- A dose of 3 – 5 tons per hectare before skimming
- At the level of humus over 80% of nutrients
- A dose of 3 – 5 tons per hectare before skimming
- At the level of humus 50 – 70%

Propagate the substance steadily on the soil surface and:

- For large crops: plough before seeding
- For plot cultivation: fork over
- Propagate around the trees and shrubs and rake up

TYPES OF PRODUCTS:

- Powdered
- Granulated
- Micro granulated

STORAGE

Store in a dry warehouse or under the shelter, in correctly marked, original packaging. Keep dry.

- No possibility of expiration
- No possibility of over-feeding
- Natural, non-toxic product
- Keep away from children
- Avoid contact with eyes
- Avoid inhaling product dust
- Work in accordance with the principles of OSH.

IN CASE OF DUST GOT INTO THE RESPIRATORY TRACT:

- Carry the injured person into the fresh air
- Use dust masks in case of large dustiness

PACKAGING AND TRANSPORT

Packaging:

- Cartons 1 – 5 kg
- Plastic bags 1 – 20 kg
- Paper bags 5 – 20 kg
- Big-bag 500 – 1000 kg
- Transport on pallets

SERVICE AND CONSULTING

We provide professional advice in the area of adjusting the product to the type of soil and needs of plants. We collaborate with the Institutes IUNG and INSH in Puławy, Institute of Horticulture in Skierniewice, Wrocław University of Environmental and Life Sciences, The Faculty of Life Sciences and Technology, Department of Plant Nutrition, "Poltegor – Instytut" Institute of Open Cast Mining.



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