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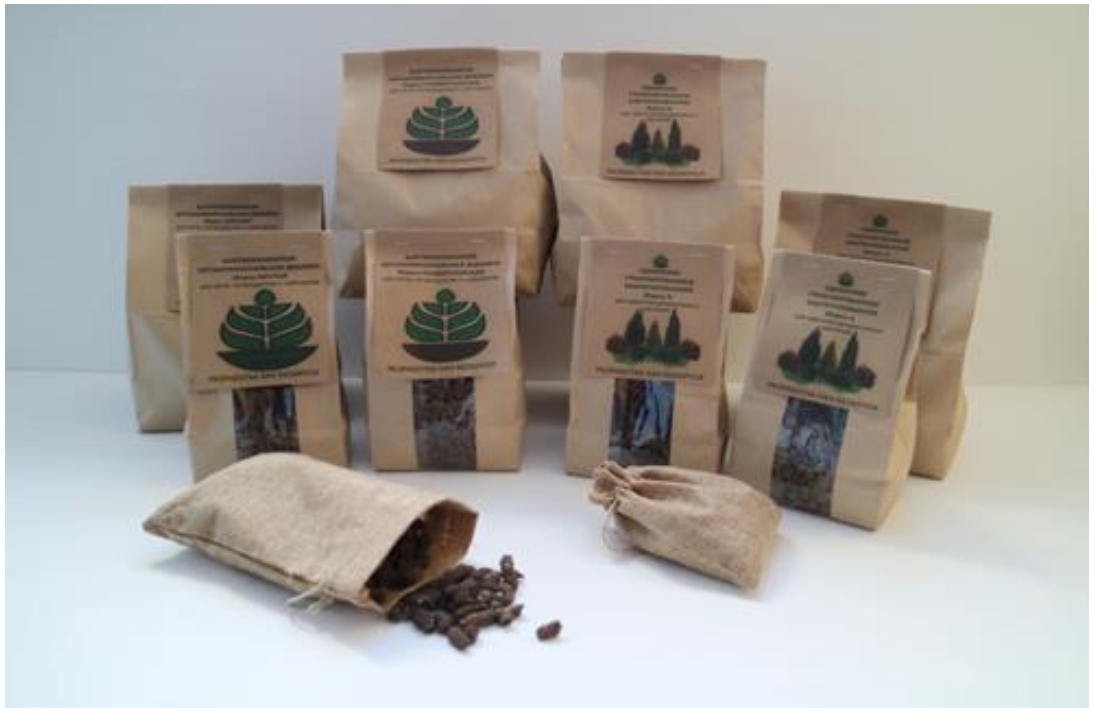
INVESTMENT PROJECT for the production of organomineral fertilizers on the basis of trepel (tripoli mineral) at the “Stalnoye” deposit in Khotimsky district of Mogilev region



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Project objectives:

→ use of unique natural raw materials for fertilizer production

→ creation of import-substituting production and export of products due to the growing demand for prolonged action fertilizers on the global market

→ introduction of innovative technologies for production (jointly with the Institute of Experimental Botany of the National Academy of Sciences of Belarus named after V.F. Kuprevich)

→ meeting the demand of the population, corporate customers and the agricultural market for quality innovative products

RAW MATERIALS:

Access to unique trepel deposits in Khotimsky district (Belarus).

The volume of carbonate trepel deposits is **more than 30 million tons.** The deposit area is **500 hectares**.

The pit is located 7 km from the town of Khotimsk. The nearest railway station “Kommunary” is **45 km away.**

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TREPEL:

- unique ion-exchange and adsorption properties of trepel increase the return from mineral fertilizers applied together with it, which allows obtaining economic benefits by increasing plant productivity and reducing the dose of fertilizers;
- is an effective means of stimulating plant development and increases crop yields;
- retains moisture in the soil up to 70% of its weight, retaining it for a long time and supplying it to plants slowly and continuously, preserving soil fertility and protecting soil from erosion;
- trepel contains useful macro and microelements that regulate the growth and further development of plants and contribute to the production of high quality products (increasing the amount of sugars and vitamins in plant fruits);
- trepel is a source of active silicon, i.e. easily assimilated by plants, formed by biogenic silica, which allows maintaining natural protection of plants from unfavorable factors - diseases, insect pests, frost, lack of water and nutrients.

Content
in 1 kg of dry substance

calcium, g/kg	60-100
phosphor, g/kg	0,7-2,8
iron, g/kg	6,5-10,0
magnesium, g/kg	2,0-4,0
potassium, g/kg	5,0-20,0
natrium, g/kg	1,0-8,0
copper, mg/kg	7,0-90,0
zinc, mg/kg	20,0-100,0
manganese,mg/kg	100-450
cobalt, mg/kg	3,0-10,0
fluorine, mg/kg	1000
arsenic, mg/kg	0,66-2,8
lead, mg/kg	0,31-4,5
cadmium, mg/kg	0,11
strontium-90, Bq	<1,29
cesium-137, Bq	3,63-18,3

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Investment terms:

- **Required investment volume:** at least €1,000,000.
- **Expected return to the investo:** at least €200,000.
- **Product profitability:** at least 30%
- **Payback period: 3-4 years.**

SALE MARKETS:

Republic of Belarus, Russian Federation, Kazakhstan, Azerbaijan, Turkey, UAE and others.

QUALIFIED STAFF:

- ✓ **7 higher education institutions**
- ✓ **34 vocational schools and lyceums**

SCIENTIFIC RESEARCH:

The Institute of Experimental Botany of the National Academy of Sciences of Belarus named after V.F. Kuprevich

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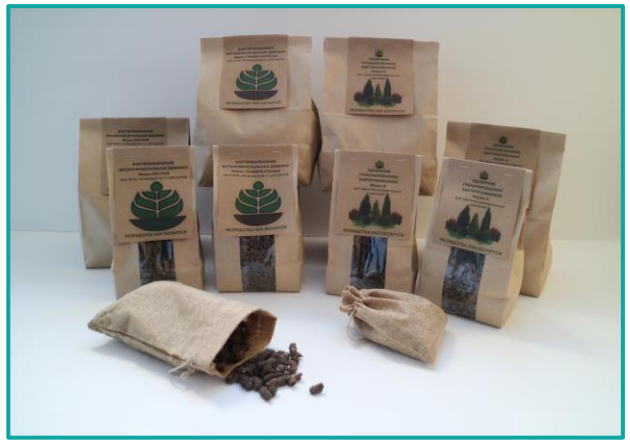
For reference :

BACTERIZED GRANULAR FERTILIZERS

Technical specifications BY 100029064.008-2018

Intended for:

- growing seedlings of herbal and flower crops;
- main addition when planting decorative plants in phytomodules for vertical/container gardening, fruit and berry, decorative trees and shrubs in the open ground;
- optimization of nutrition of Herbaceous, indoor and decorative plants under the condition of pot culture and phytomodules of vertical gardening;
- fertilization of herbal plants, fruit and berry, decorative trees and shrubs;
- as a component for the preparation of soil; including substrates for vertical/containerized gardening.



Specially chosen composition of fertilizers helps to improve the structure, optimize acidity and other physical and chemical characteristics of soils. Mineral trepel is a source of active silicon and certain microelements, microorganisms protect plants from pathogens and unfavorable factors. The granule is a specific ecological niche for bacteria and a stable source of beneficial microflora for plants. In general, the fertilizer contributes to obtaining high quality products and allows reducing pesticide application doses.

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For reference :

BACTERIZED ORGANOMINERAL ADDITIVES

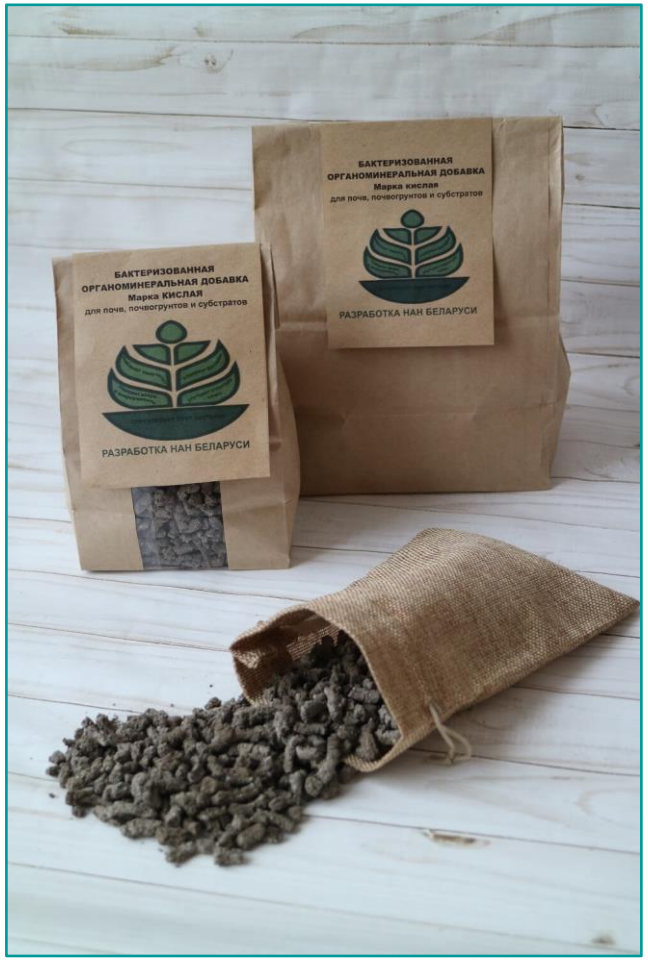
Technical specifications BY 100029064.005-2023

Intended for:

- basic fertilization of soils, substrates and soils during rooting of cuttings, adaptation and acclimatization of seedlings;
- growing seedlings of all types of vegetable, flower and berry crops;
- optimization of nutrition of vegetable and fruit crops, indoor and other decorative plants;
- as an ingredient for the preparation of soils.

BENEFITS

Contain a balanced set of macro- and micronutrients of nutrition.
Easily assimilated by plants.
Accelerate growth and development of plants, ensure their high resistance to stress.
Contribute to the saturation of the root environment with useful microorganisms.
Improve structuring and porosity of soil.
Convenient in application, transportation and storage.



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