



ECONOMY

ECOLOGY

EFFECT

# Agrovitamin complex

## LAVA

vitreous mineral slow release fertilizer



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vitreous mineral slow release fertilizer



**Unique environment  
protection technologies  
based on soluble  
phosphate glasses**

## **Advantages:**

- No nitrogen or phosphate pollution with high plant nutrition level.
- Availability of nutrients regulated by humidity, temperature, soil and culture types.
- Lower dosage (compared to conventional fertilizers) needed for the same efficiency.
- Lower input costs, as one application cycle comprises 1-3 years.
- High assimilation level – more than 95%.



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**LAVA provides complete and safe nutrition for all types of plants**

- Fertilizer contains all the necessary nutrients for the plant in the right amount – **14 macro-and micronutrients!**

**Phosphorus 48–55%; Potassium 14–25%; Calcium 8–12%; Magnesium 5–8%; Sulfur 0.5–1.0%; Boron 0.5%; Iron 0.5%; Manganese 0.1%; Cobalt 0.1%; Molybdenum 0.1%; Zinc 0.05%; Copper 0.02%; Selenium 0.0005%; Silicon up to 2.0%**

- A unique vitreous form ensures safety: the plant itself regulates how much minerals it needs to dissolve at the moment.

**Overfeeding the plants with this fertilizer is IMPOSSIBLE!**



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**LAVA is applied once per season or for several years depending on the type of fertilizer**

- The dissolution of glassy fertilizer granules occurs gradually and exclusively under the influence of the root system of plants.
- This is the difference between LAVA and traditional fertilizers, which are immediately dissolved and absorbed by plants or washed out of the soil by rain and groundwater.
- LAVA is not only fertilizer, but also agromeliorant. It also contributes to plant resistance and enriches the soil with mineral elements.

**One application for 1-3 years !**



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## Efficient use of small and ultra-low doses of fertilizer LAVA

- Application rates are:
  - ✓ 10 g / m<sup>2</sup> of land surface,
  - ✓ 2-5 grams for bulbous plants, flowers and strawberries,
  - ✓ 5 - 10 grams on perennial flowers and raspberries,
  - ✓ 25 - 50 grams on the bushes,
  - ✓ 50 - 100 grams on the trees.
- Such efficiency is achieved due to water insolubility. Fertilizer is not dissolved by water, but by the acid excreted by the roots of the plants.

**The minimum consumption is only 100 kg / ha**



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**Simplicity and efficiency:  
LAVA fertilizer is very easy  
and simple to use.**

- Vitreous fertilizer does not burn the roots of plants, so it can be applied simultaneously with the planting.
- For top dressing of perennial plants, LAVA can be simply scattered on the ground around the plant (slightly loosening the ground).
- The use of LAVA significantly increases the resistance of plants to adverse weather conditions (frost, drought, etc.) and various diseases (kila, root rot, etc.)
- Using fertilizer does not require watering to dissolve it!

**LAVA can be applied in any season for all types of plants!**



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**LAVA improves soil structure and activates restoration and soil formation processes**

- The mechanism of action of LAVA in soil is close to the natural process of soil formation.
- Fertilizer is assimilated due to exposure of plant root excretions, microorganisms, organic acids of the soil solution. Allocated acids translate fertilizer elements into a form accessible to plants.
- The mineral composition of LAVA is the basis for the vital activity of various beneficial soil microorganisms, including nitrogen fixers, which enrich the soil with nitrogen.

**LAVA is used to restore soil fertility and land reclamation.**



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**The use of LAVA is absolutely safe for nature and man!**

- Fertilizer is safe for people and animals.
- LAVA does not dissolve in water, which means there is no contamination of groundwater and water bodies with harmful chemical elements, as is the case with the use of traditional mineral fertilizers.
- LAVA does not contain nitrogen, so it is absolutely safe to use. **They can not burn the plants.**
- LAVA is dissolved by plants as needed, so **it is impossible to overfeed the plants.**

**You can safely touch it with your hands!**





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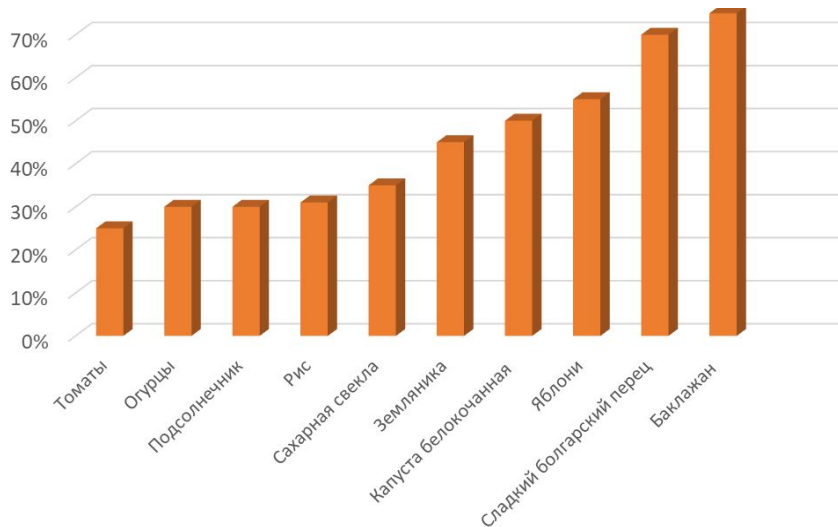
## LAVA reduces the cost of growing plants and getting harvest

- LAVA reduces labor costs for application: fertilizer can be applied immediately upon planting, as it does not burn the roots.
- Fertilizer is not required to be added regularly: LAVA in the form of powder is applied once a year, and in granules - once in 2-3 years.
- Reduction of costs for logistics and storage due to minimal consumption (only 100 kg / ha) and a full complex for plant nutrition.
- LAVA fertilizer is convenient in storage:
  - ✓ shelf life is unlimited,
  - ✓ not afraid of cold and damp,
  - ✓ fire and explosion safe.



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**Successful yield research  
for 20 years in Russia,  
Belarus, Kazakhstan and  
Europe**

- Successful efficiency studies have been obtained for a variety of plants of different types and types: forage and lawn herbs, pot plants and medicinal plants (ginseng, stevia, basil, echinacea, thyme, Jerusalem artichoke), ornamental plants (roses, peonies, daffodils, asters, marigolds, gladioli, anemones, cloves, geraniums), legumes (beans, beans, lentils and peas), crops (wheat, buckwheat, dill, corn, rice, barley, oats, lettuce, flax, sunflower, coriander), berries (gooseberries, currants, strawberries, strawberries, lingonberries, blueberries), fruit, conifers and ornamental trees and bushes, many types of vegetables (tomato, cucumber, beet, potato, cabbage, onion, cucumber, pumpkin, turnip, carrot, garlic, eggplant, sweet pepper), and also for aquarium water plants.



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**LAVA in powder form  
(AVA-1)**

**Full plant nutrition for 6-12  
months!**

- It is used for annual plants, lawn grasses and perennial feeding in open and protected soils on all soil types. **Vitreous form does not burn the roots of plants. That is why fertilizer can be applied simultaneously with planting.**
- **Mark:** Fertilizer complex mineral glassy prolonged action of the brand "Agrovitakva-AVA" .AVA-1  
Certificate of state registration №497-10-1947-1 of 09/07/2018
- Hazard Class IV (low hazard substance). Fire and explosion safe, without taste and smell.
- The shelf life is unlimited when stored in a dry place in a closed container.



# Agrovitamin complex LAVA

vitreous mineral slow release fertilizer



**LAVA in the form of granules (AVA)**  
**One application for 2-3 years!**

- It is used for perennial plants, fruit and ornamental trees and shrubs in open and protected soils on all types of soil. **The granular form has a prolonged effect and works in the soil for up to 3 years.**
- **Mark:** Fertilizer complex mineral glassy prolonged action of the brand "Agrovitakva-AVA" .AVA  
Certificate of state registration №497-10-1947-1 of 09/07/2018
- Hazard Class IV (low hazard substance). Fire and explosion safe, without taste and smell.
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**LAVA in the form of a foamed powder (AVA-2). Improving the soil and nutrition of plants for 1-2 years!**

- It is used for annual and perennial plants in open and protected soils on all types of soil. The porous structure has a **unique moisture and air-holding capacity, which significantly improves the quality of the soil**. The foam form works in the soil for 1-2 years.
- **Mark:** Fertilizer complex mineral glassy prolonged action of the brand "Agrovitakva-AVA" .AVA-2  
Certificate of state registration №497-10-1947-1 of 09/07/2018
- Hazard Class IV (low hazard substance). Fire and explosion safe, without taste and smell.
- The shelf life is unlimited when stored in a dry place in a closed container.



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**LAVA in the form of a powder with nitrogen (AVA-1 with carbamide) Active growth and good nutrition for 6-12 months!**

- It is used for all types of plants during the growing season in open and protected soils on all types of soil. Use gives a powerful impetus to the growth of vegetable, green and flower crops and contributes to a better absorption of macro-and micronutrients that make up the fertilizer.
- **Mark:** Fertilizer complex mineral glassy prolonged action of the brand "Agrovitakva-AVA" .AVA-1  
Certificate of state registration №497-10-1947-1 of 09/07/2018
- Hazard Class IV (low hazard substance). Fire and explosion safe, without taste and smell.
- The shelf life is unlimited when stored in a dry place in a closed container.



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