



Organic Fertilizer BIOHUMUS

“Organic Fertilizer BIOHUMUS” is a humus organic fertilizer, the main product of manure cultivation and composts made from cow, chicken or horse manure, or mixing all of these fertilizers using our biological product **FermentStart** (special symbiotic microorganisms). As a result of biological process happening with **FermentStart** nutrient, dissoluble substance inaccessible for plants changes into soluble one accessible for plants conditions. Besides that, biohumus, brought into the soil gives it a more granulate structure, which helps to keep nutrient soluble substance in immediate proximity to the root system. Stated structure of soil retains nutrient substance from being washed away in lower stratum of ground. Owing to this, big part of nutrient substance is being used by roots and making **BIOHUMUS** more effective than dung.

CHARACTERISTICS (Typical Figures)

Components	Quantity
Color	Dark brown
Smell	Absent
PH-solution	6,8-7,0
Total nitrogen (N)	1,8-2,0%
Total Phosphorus (P2O5)	1,5-1,7%
Potassium (K2O)	1,8-2,1%
C/N	18-19
Calcium (Ca)	4,5%
Kadmium (Cd)	0,4 mg/kg
Nickel (Ni)	8,0 mg/kg
Plumbum (Pb)	4,3 mg/kg
Magnesium (Mg)	0,6%
Iron (Fe)	0,34%
Copper (Cu)	7,5 mg/kg
Manganese (Mn)	58 mg/kg
Zink (Zn)	20,0 mg/kg
Chrom (Cr)	50 (ppm)
Moisture	40-50%
Dry organically substance (by content it close to soil's humus)	40%
Mikroflora (CFU in 1ml)	2,4 x 10 ⁶
Stannum (Sn)	1,1 (ppm) mg/kg
E. koli in 1 qr	Not found
Colibacillus	Not found
Salmonella 50 qr	Not found
Sibir ulcer	Not found
Gross humin+fulvo	15%

“Organic Fertilizer BIOHUMUS” operation is based on two main connecting effects:

- “Organic Fertilizer BIOHUMUS” gives balance correlation to microelement, fast development of root system and initial stage of growth.



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- Micro flora contained in “Organic Fertilizer BIOHUMUS” decomposes original components, makes easy to dissimilate substance of the root system and extends effective action of manure from all period of vegetation.

The main quality of Organic Fertilizer BIOHUMUS consists of content of Organic Fertilizer BIOHUMUS, which is better than dung by 10-15 times. Organic Fertilizer BIOHUMUS doesn't only substitute dung. It also has a big water capacity, perceptibility to water, mechanical durability, granulation (granules have a very high durability), lots of useful microorganisms, different ferments, soil antibiotics, vitamins and hormones of growth. It is important that in Organic Fertilizer BIOHUMUS decreases the amount of nitrates by 8-10 times, increases productivity and improves resistance to diseases and to pests (immunity improves), improves the taste of vegetables and fruits and increases their shelf life. The reason for the decrease in the quantity of nitrates is an increase in useful soil-formed micro-organisms, which is connected with surplus of moving nitrates. That's why it supports entrance of nitrogen on a nature level.

APPLICATION

“Organic Fertilizer BIOHUMUS” can be used for all types of plants: vegetables, vine growing, potato, fruit production, decorative bushes, flowers and roses production, strawberry, lawns, meadow grass and etc.

Note: Advantages of “Organic Fertilizer BIOHUMUS” and “BIOMAKS” (liquid improver for soils and plants use in vegetable growing in some respect could be applicable to other cultures growth.

Nitrates content table (mg/kg)

Products	Grown by chemical fertilizers	Grown by manure	Grown by Organic Fertilizer BIOHUMUS
Cucumbers	273	70	5
Tomato	83	37	8
Cabbage	280	140	128
Onion	120	60	36
Pepper	75	38	10
Carrot	480	111	37

Repeat soil cultivation:

“Organic Fertilizer BIOHUMUS” use in the repeat soil cultivation reduces significantly time for soil productivity restoration; this is specially effective for very polluted and exhausted soils, in the acidic and sandy soils areas.