

Bioplant Flora

Bioplant Flora is liquid highly concentration organic fertilizer. It is biological stimulator of new generation. Ferbanat L contains all easily assimilable nutrients substances, humic and fulvic acids, microelements in chelate form and useful soil microorganisms. Bioplant Flora is used for preplanting cultivation and for fertilizing plant during all vegetative period. Fertilize expenditures are 1-2 kg (liters) per 1 hectare for spraying and 5-6 kg (liters) per 1 hectare for watering. Bioplant Flora is combined with pesticides and mineral fertilizers.

Bioplant Flora increases germination energy of seeds and it strengthens immunological systems of plant. Application of Bioplant Flora increases productivity with smaller using mineral fertilizers.

Bioplant Flora is produced of natural ecological safe raw materials with application modern microbiological technologies. Bioplant Flora contains humic and fulvic acids, and vitamins, and amino acids, enzymes, micro- and macroelements and useful soil microorganisms. It increases productivity on 35-50% and more.

Humic and fulvic acids stimulate cellular permeability of membranes, process of breath and synthetic process of proteins and carbohydrates. Complex influence of Bioplant Flora increases on enzymatic activity and productivity of photosynthesis, and forms aggressive root system and promotes to form an agricultural valuable structure of soil. It increases ripening plants on 1-2 weeks.

Natural useful soil microorganisms increase survivability sprouts and realization of productivity.

Bioplant Flora is highly effective natural antistressor, which can mobilize protecting forces of plants and it raises plant-resistance, disease-resistant and stress-resistant. Bioplant Flora contains useful soil microorganisms and has a high fungicidal activity. The best results are obtained when Bioplant Flora is used for wetting seeds before planting. Immediately after planting the microorganisms are settling the roots zone secreting fitohormones and transferring insoluble nourishing salts of the soil into the form easy assimilating by the plants stimulating plants growth and development. Besides being in the roots zone they overwhelm the growth of patogene bacterias protecting the plants at the first stages of its development.

Potentially toxic ingredients content corresponds to EC-Ecological agriculture "organic household waste" (2092/91/EEC).

Test index	Measurement units	Test method	Content not more
Lead (Pb)	mg/l	ISO 11047-98	45,0
Cadmium (Cd)	mg/l	ISO 11047-98	0,7
Copper (Cu)	mg/l	ISO 11047-98	70,0
Nickel (Ni)	mg/l	ISO 11047-98	25,0
Chromium (Cr)	mg/l	ISO 11047-98	70,0
Arsenic (As)	mg/l	ISO 11047-98	2,0
Mercury (Hg)	mg/l	SAN PIN 42-128-4433-87	0,4

The best effect is application Bioplant Flora in preplanting cultivation and irrigation after first sprouts and in flowering phase and in tillering phase. Bioplant Flora help to receive ecological safety agricultural products.

Laboratory analysis and field tests results:

Organic matter contains	70% in dry matter
Aggregate state	Liquid of dark brown color
Viable weed seeds	Not exposed
Helmint eggs	Not exposed
Insects larvae	Not exposed
Patogene microflora	Not exposed
Pesticides	Absence
Germination of seeds	Increases, the raise of germination energy of the seeds
Russian Technical Standard (TU)	TU 9899-009-75292641-2008, adopted by Russian State Ministry of Agricultura and Foods
Macro & micro elements contains	N, P, K, Zn, Mg, Mn, Mo, Co, B, S.
Contains of heavy metals in dry matter	Lower than existing limits for agricultural soils
The period of action after application	1 - 2 years because of living bio active elements and microflora
Contamination of reservoirs	Not exposed
Contamination of soils	Not exposed
Effect on soil	Increases humus of the soil, overwhelms fitopatogene microflora
Effect during late frosts	Increases the resistance of plants during late frosts
Effect during drought	Increases the resistance of plants during drought
Effect on photosynthesis	Due to natural ferments and humate intencificates photosynthesis
Accumulation of nitrates in food products	The lower rate of nitrates in food products is seen after working of plants by Bioplant Flora
Change of humus in soil	The application of Bioplant Flora increases the humus of the soil