



**BioDeposit Agro** is a biologically active soil conditioner obtained by using environmentally sound patented technology from natural ingredients: sapropel colloid and active peat.

**BioDeposit Agro** is not subjected to chemical or thermal treatment, therefore it contains a full spectrum of natural biologically active ingredients.

**BioDeposit Agro specification:**

- **Biologically Active Substances:**

- nitrogen-fixing and nitrifying bacteria;
  - natural water soluble vitamins: carotene (provitamin A), B1, B2, B3, B5, B6, B12, E, C, D, P and folic acid;
  - 16 natural water soluble Amino Acids: Histidine, Glutamine, Glycine, Valine, Arginine, Aspartine, Alanine, Serine, Leucine, Isoleucine, Phenylalanine, Tyrosine, Lysine, Methionine, Threonine, Cystine;
  - natural enzymes: Catalase, Peroxidase, Reductase, Protease;
  - humic complex: Humic Acids, Fulvic Acid;
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- Organic matter (OM) not less than 75%;
  - Nitrogen (N) not less than 10 000 mg/kg;
  - Phosphorus (P) not less than 150 mg/kg;
  - Potassium (K) not less than 250 mg/kg;
  - Organic Carbon (C) not less than 40%;
  - Essential elements: Si, Ca, Al, Fe;
  - pH 3÷7 (by requirement);
  - Moisture not more than 70%;
  - Electro conductivity (EC) not more than 0,8  $\mu\text{S/cm}$ ;
  - **microelements:** Mn, Cu, B, Zn, Mg, Mo;
  - Free from added hormones, GMO, preservatives, chemicals and pesticides;
  - Does not contain any pathogenic nematodes, weed seeds, garbage or industrial factory wastes.
  - Low content of heavy metals and radionuclides (below the legal requirement)

### **BioDeposit Agro functions:**

- Creates soil humus
- Restores soil fertility and improves its structure;
- Increases cropping capacity by 40-60% and reduces yield ripening time
- Increases soil moisture content by 4-5 time;
- Neutralizes excessive concentration of radionuclides in the soil, heavy metals, pesticides and chemical fertilizer salts in the soil;
- Prevents soil humus of erosion;
- Increases the effectiveness of mineral fertilizers applied.
- Drastically decreases amount of usage of mineral fertilizers.

### **BioDeposit Agro is recommended for:**

- depleted soil;
- saline soil;
- eroded soils with damaged structure;
- soils treated with chemical and mineral fertilizers for a long period of time;
- territories located near city roads, industrial zones with the soil polluted with heavy metals;
- sandy soil, sandy clay soil with minimum content of Organic matter;
- soil contaminated with pathogenic nematodes.

### **How to use BioDeposit Agro:**

Mix 1 part of **BioDeposit Agro** with 4-7 parts of the soil before plant seeds or seedlings and water.

### **Frequency of BioDeposit Agro use:**

Once per 3 years

### **BioDeposit Agro storage temperature:**

not more than +40°C

### **Period of validity:**

2 years