

POTASSUM HUMATE OF COLD EXTRACTION



GUMAVIT®



The energy of Growth

PRODUCTION OF AGRICULTURAL MACHINERY AND FERTILIZERS



Granit Agro Company is a Russian manufacturer of agricultural machinery and fertilizers. The company owns a number of patents, has in possession a chemical technology lab and well equipped manufacturing facilities. Granit Agro develops and produces innovation products for organic agriculture.

Unique technology methods have been employed for extraction of Liquid fertilizer GUMAVIT® from bottom layers of natural peat. High efficiency of the fertilizer is proven by many years of testing on the fields of Moscow, Volgograd, Vladimir, Rostov and Orenburg regions of Russia and in a number of greenhouse farms.

Field trials performed in the seasons of 2020-2021 at the facilities of the Don State Agrarian University had shown an explosive growth of biological activity soil effected by GUMAVIT®.

All farmers who has been using GUMAVIT® confirm the fertilizer efficiency and enjoy high investments returns.



**Patented
Technology**



**Confirmed
Efficiency**



**High Quality
Primary Products**



**Quality Control at All
Stages of Processing**

Innovational technology of low temperature processing allows extraction of the fertilizer with high ability of creating complex compounds, extreme sorption capability, chelating and ion exchange properties. GUMAVIT® also shows flocculating and coagulating abilities.

Cold extraction process preserves valuable components of peat and retains the fertilizer's biological activity.

GUMAVIT® contains humic acids, vitamins, natural phytohormones, micro traces and macronutrients in a form of biologically accessible compounds.



Growth Stimulation

GUMAVIT® increases seed germination, serves as root development and growth stimulation agent, promotes the development of a powerful root system of sprouts, enhances the growth of the aerial part of plants, shortens the growing season and ripening of the crop, increases fertility.



Plant Nutrition

GUMAVIT® helps to the retention of soil nutrients in the root zone and activates their assimilation by plants. Developed root system provides enhanced plant nutrition. Humic substances increase the permeability of cell membranes, facilitating the entry of nutrients into plants' cells. In result, the need of application of mineral, phosphorus and nitrogen fertilizers is considerable reduced.



Natural Antistressant

GUMAVIT® helps relieve stress in plants after treatment with pesticides, at unfavorable weather conditions (frost, drought) and after replanting. It also increases sustainability of perennials (shrubs, young trees) to harsh winter conditions, plant resistance to the negative effects of pathogenic bacteria, fungi and harmful parasites.



Soil Improver

GUMAVIT® has a structuring effect on the soil and increases its ability to water retention. As a catalyst for biochemical processes, GUMAVIT® enhances the biological activity of soil thus increases soil fertility and accelerates the maturation of compost. GUMAVIT® ties heavy metals and pesticide residues in the soil and prevents their absorption by plants.

GUMAVIT® is a cost-effective and versatile tool for achieving high results in agriculture because of relatively low costs for the fertilizer itself and the technology of its application.

The best result is achieved in integration of GUMAVIT® application with the proven technology of growing crops and correct agriculture techniques.



Technological Effectiveness

GUMAVIT® is a sediments free potassium humate and is suitable for use with common agricultural sprayer machines. The liquid form allows easy dosing of the fertilizer and its dilution with stirring directly in the tank of the plant spraying machines. The GUMAVIT® solution does not clog sprayer nozzles.



Compatibility

GUMAVIT® can be applied in tank mixtures with pesticides, with single-component and complex mineral macro- and micronutrient fertilizers. GUMAVIT® increases the effectiveness of pesticides and at the same time reduces their toxic effect on plants.



Environmental Friendliness

GUMAVIT® is a composite of natural environmentally friendly substances for the growth and development of plants. It is absolutely safe and harmless both for soil microflora and microfauna, as well as for humans and animals.

Chemical safety certificate:
№ 64575809 20 45530 B

Certificate of state registration of a chemical
preparation: № 3200 от 06.07.2021г.



Gumavit® is produced according to the Technical Requirements:

20.15.80.190-001-6457809-2019

Chemical safety certificate:

№ 64575809 20 45530 B

State registration number of the fertilizer:

0089-06-210-006-0-0-0-1

LIQUID HUMIC FERTILIZER COLD EXTRACTED FROM PEAT GUMAVIT®

Produced from:

low-lying peat from ecologically clean deposits of the Ryazan region

Designated for:

crops treatment during the vegetation and growing seasons, for treatment of sowing and planting material before sowing / planting

Composition:

humic and fulvic acids:	20-25 g/L
ammonia nitrogen (N):	2-5 g/L
mobile forms of phosphorus (P ₂ O ₅):	10-15 g/L
mobile forms of potassium (K ₂ O):	10-12 g/L
microelements (mg/L):	Ca - 529; Na - 435; S - 330; Zn - 78; CL - 46; MG - 42; Cu - 8; Fe, Mn, B, Mo, Co - presented
vitamins and natural phytohormones:	presented
pH:	6.5 - 9.5
Warranty period of storage:	12 months
Shelf life:	Unlimited
Storage temperature:	from +5 to + 35 °C
After defrosting:	Does not lose its properties

Compatible with mineral micro and macro fertilizers, most pesticides and agrochemicals



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