

Biohumus and humic preparation "Humiland" - a guarantee of productivity and healthy soil



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LLC "Humiland" produces natural organic fertilizer, which is formed as a result of compost processing, based on cattle manure, red Californian worms.



Our production

Organic fertilizer
"Biohumus"

Humic
preparation
"Humiland"

Loose, dark brown

Liquid, product of
vermicompost
processing

The company provides stable quality, constant control, creates a competitive product.

High quality at an affordable price is the motto of our company!

Biohumus and humic preparation "Humiland" for living soil

"Biohumus" and "Humiland" - contain in a balanced combination a whole complex of essential nutrients, humic and fulvic acids, micro- and macro elements, enzymes, waste products of soil microorganisms and vitamins necessary for plants.



Influence of "Biohumus" fertilizer on the yield of vegetable crops

Scientific researches of RUE "Institute of Vegetable Growing of the National Academy of Sciences of Belarus" confirm the high efficiency of using organic fertilizer "Biohumus" (Doctor of Agricultural Sciences MF Stepuro).

Culture	Option	Fertilizer dose per hole, g, 3-4 times during the growing season	Productivity, kg / m ²	Increase	
				kg / m ²	%
Cucumber in greenhouses	without adding "Biohumus"	-	7,2		
	with the introduction of "Biohumus"	100	11,4	4,2	58
Tomato in greenhouses	without adding "Biohumus"	-	7,9		
	with the introduction of "Biohumus"	120	11,2	3,3	42
Sweet pepper in greenhouses	without adding "Biohumus"	-	4,7		
	with the introduction of "Biohumus"	120	5,6	0,9	19
Eggplant in greenhouses	without adding "Biohumus"	-	4,2		
	with the introduction of "Biohumus"	100	5,5	1,3	31
Tomato outdoor	without adding "Biohumus"	-	3,1		
	with the introduction of "Biohumus"	100	4,4	1,3	42
Open ground cucumber	without adding "Biohumus"	-	5,3		
	with the introduction of "Biohumus"	80	7,8	2,5	47
Watermelon outdoor	without adding "Biohumus"	-	2,1		
	with the introduction of "Biohumus"	100	2,9	0,8	28

Economic efficiency of using "Biohumus" fertilizer for vegetables in open ground and greenhouses, for an estimated area of 100m² (1 hundred square meters)

Culture	Place of cultivation	Yield increase, kg / weave	Proceeds from product sales, rubles	The cost of the drug and its introduction, rubles	Net income, RUB
Cucumber	greenhouse	420	378	10,5	367,5
Tomato		330	297	9,3	287,7
Sweet pepper		90	108	9,3	98,7
Eggplant		130	156	10,5	145,5
Cucumber	open ground	250	150	7,5	142,5
Tomato		130	104	7,0	97,0
Watermelon		80	112	7,5	104,5

Influence of the humic preparation "Humiland" on the yield of vegetable crops

Scientific researches of RUE "Institute of Vegetable Growing of the National Academy of Sciences of Belarus" confirm the high efficiency of the use of the humic preparation "Gumirost" (Doctor of Agricultural Sciences MF Stepuro).

Culture	Option	Fertilizer dose per hole, g, 3-4 times during the growing season	Producti vity, kg / m ²	Increase	
				kg / m ²	%
Cucumber in greenhouses	without adding "Humiland"	-	7,3		
	with the addition of "Humiland"	80	12,2	4,9	67
Tomato in greenhouses	without adding "Humiland"	-	8,1		
	with the addition of "Humiland"	120	11,9	3,8	47
Sweet pepper in greenhouses	without adding "Humiland"	-	5,2		
	with the addition of "Humiland"	100	6,9	1,7	33
Eggplant in greenhouses	without adding "Humiland"	-	4,4		
	with the addition of "Humiland"	110	5,8	1,4	32
Tomato outdoor	without adding "Humiland"	-	3,2		
	with the addition of "Humiland"	100	4,1	0,9	28
Open ground cucumber	without adding "Humiland"	-	5,6		
	with the addition of "Humiland"	80	8,7	3,1	55
Watermelon outdoor	without adding "Humiland"	-	1,8		
	with the addition of "Humiland"	100	2,6	0,8	27

Economic efficiency of using the “Humiland” fertilizer for vegetables in open ground and greenhouses, for an estimated area of 100m² (1 hundred square meters)

Culture	Place of cultivation	Yield increase, kg / weave	Proceeds from product sales, rubles	The cost of the drug and its introduction, rubles	Net income, RUB
Cucumber	greenhouse	490	441	11,5	429,5
Tomato		380	342	10,3	331,7
Sweet pepper		170	204	10,3	191,7
Eggplant		140	168	11,5	156,5
Cucumber	open ground	310	186	8,5	177,5
Tomato		90	72	8,0	64,0
Watermelon		80	112	8,5	103,5

The effectiveness of the use of humic fertilizer "Humiland" when growing field crops

Scientific researches of RUE "Scientific and Practical Center of the National Academy of Sciences of Belarus for Agriculture" confirm the high efficiency of the use of the humic preparation "Humiland" (Candidate of Agricultural Sciences I. G. Brui)

Culture	Option	Consumption rate of the drug, l / 1 ha	Product ivity, c / ha	Increase	
				kg / m ²	%
Winter and spring rapeseed	without adding "Humiland"	-	29,6		
	with the addition of "Humiland"	1.0 l / tn - seed treatment, 2.0 l / ha + 2.0 l / ha + 2.0 l / ha (3-fold sample)	34,0	4,4	15
Winter and spring barley	without adding "Humiland"	-	51,6		
	with the addition of "Humiland"	1.0 l / t-seed treatment	56,8	5,2	10
	with the addition of "Humiland"	1.0 l / tn + 2.0 l / ha (seed treatment + start of booting)	57,7	6,1	12
	with the addition of "Humiland"	1.0 l / ha + 1.0 l / ha (beginning and end of booting)	57,2	5,6	11
Winter, spring wheat	without adding "Humiland"	-	64,2		
	with the addition of "Humiland"	1.0 l / t-seed treatment	67,7	3,5	6
	with the addition of "Humiland"	1.0 l / tn + 2.0 l / ha (seed treatment + start of booting)	68,9	4,7	7
	with the addition of "Humiland"	1.0 l / ha + 1.0 l / ha (beginning and end of booting)	69,4	5,2	8
Corn	without adding "Humiland"	-	407,7		
	with the addition of "Humiland"	1 l / ha + 1 l / ha (4-5 leaves + 8-10 leaves)	434,2	26,5	7
	with the addition of "Humiland"	2 l / ha + 2 l / ha (4-5 leaves + 8-10 leaves)	453,9	46,2	11
Sugar beet	without adding "Humiland"	-	616,5		
	with the addition of "Humiland"	1.5 l / ha + 1.5 l / ha (2-fold sample)	658,2	41,7	7

Humic fertilizers: life energy for the future harvest

They have a systemic and positive effect on the processes of growth, metabolism and photosynthesis.

Possess fungicidal and bacterial properties due to the presence of natural fungicides and antibiotics secreted by the intestinal microflora of the red Californian worm during vermicultivation.

They stimulate the reproduction of beneficial soil microflora for 5-6 years.

Efficiency of fertilizers "Biohumus" and "Humiland":

- increase germination and seed germination energy;
- stimulate root formation in plants;
- stimulate growth and accelerate plant development;
- reduce the content of nitrates, heavy metals and radionuclides;
- increase the content of sugars, proteins and vitamins;
- increase plant immunity, resistance to diseases, stressful situations, unfavorable environmental conditions (drought, excessive moisture, etc.);
- eliminate chlorosis and stimulate flowering and fruiting;
- restore soil fertility, improve the structure and increase the water-holding capacity of the soil;
- accelerate the ripening of the crop 10-15 days earlier than usual;
- increase the quality of the crop and extend its shelf life. ensure safety and environmental friendliness.

The effectiveness of the humic preparation "Humiland" in seed treatment

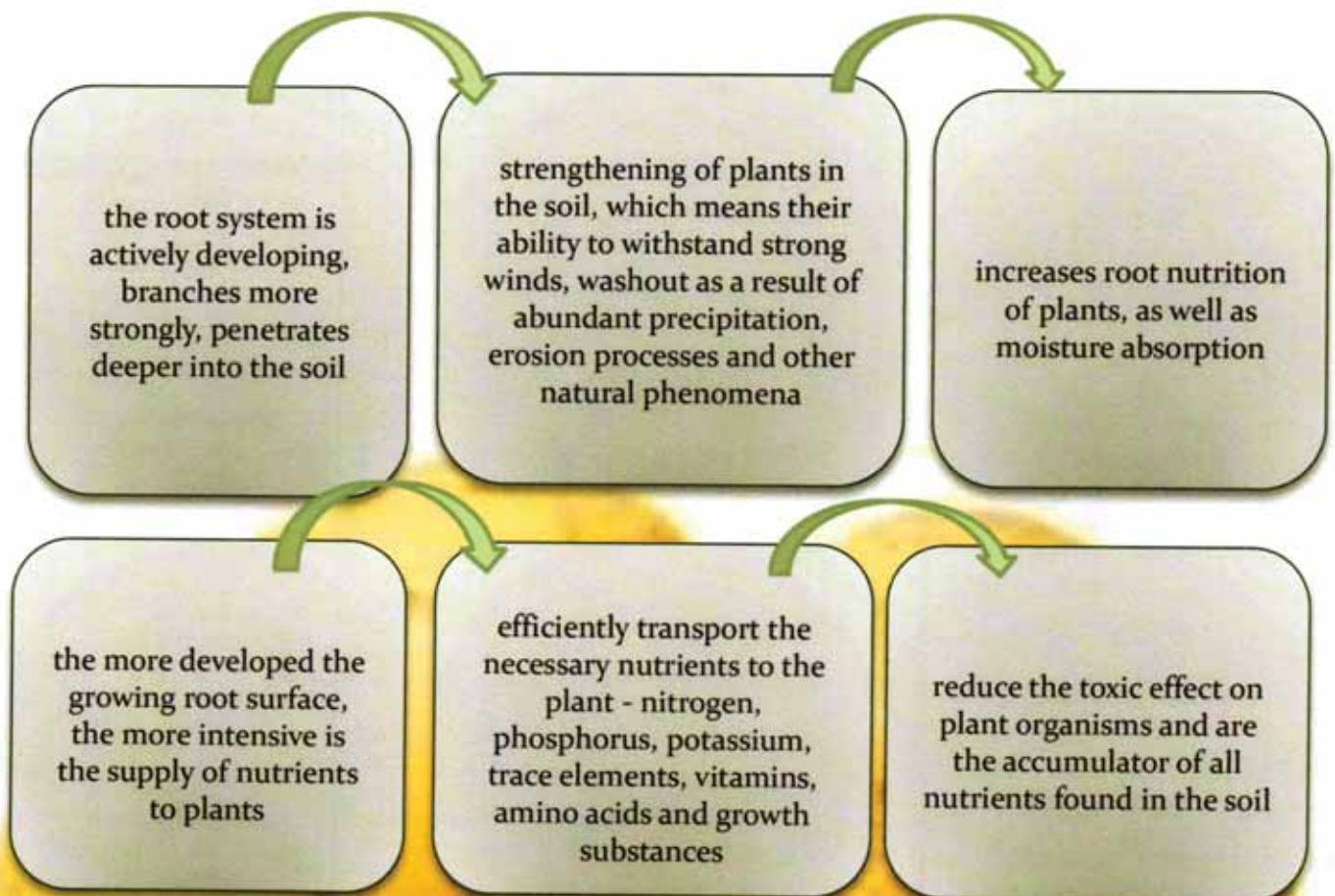


Thanks to the treatment of seeds with humic fertilizers:

- * seeds are freed from seed infection,
- * Microcracks of seeds are "healed",
- * increases their germination energy, germination, stimulates the growth and development of seedlings,
- * the immune system of the seeds is strengthened.

All of the above helps future seedlings not only survive, but also form a high yield.

Influence of humic fertilizers "Biohumus" and "Humiland" on the root system of the plant



- ✓increasing the yield and nutritional value of fruits;
- ✓neutralization of oppression of plant growth and development;
- ✓decrease in nitrate content;
- ✓increasing the ecological purity of soil and fruits.

Influence of foliar feeding of plants with humic preparation "Humiland"

- ✓ increased permeability of cell membranes;
- ✓ activation of all enzymatic processes in plants;
- ✓ increased productivity of photosynthesis;
- ✓ stimulation of respiration, the formation of proteins, amino acids, sugars and vitamins;
- ✓ accelerating the development of the root system;
- ✓ increasing the resistance of plants to unfavorable environmental factors (high or low temperature, drought, frost, etc.);
- ✓ effective assimilation of nitrogen;
- ✓ reduction of nitrates in products;
- ✓ optimization of maturity dates;
- ✓ increasing productivity and product quality

The humic preparation "Humiland" is compatible with herbicides, fungicides and insecticides and mineral fertilizers

The utilization rate of nitrogen, phosphorus, potash fertilizers is increasing, which makes it possible to reduce the dose of their application by up to 30%.

The intake of heavy metals and pesticides into plants is reduced.

A fragile microbiological balance in the soil is maintained and soil mineralization is reduced.

The impact of humic fertilizers "Biohumus" and "Humiland" on the soil structure

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- Humic substances improve the physical, chemical and biological properties of soils, perform a protective (protective) function, restore the fertility of poor, depleted soils;

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- change the mechanical structure of the soil, reduce the density and improve the water-air regime of the soil;
 - color the soil in a dark color, improve the absorption and accumulation of solar energy by the soil and change the temperature regime;

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- increase the buffer capacity of the soil - the ability of the soil to maintain its natural pH level;
 - enhance the process of assimilation of nutrients in the form optimal for the plant;

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- enhance the microbiological activity of the soil, activate the enzymatic turnover;
 - prevent heavy metals, radionuclides and organic toxicants from entering plants.



Technology for applying humic fertilizers "Biohumus" and "Humiland"

BIOHUMUS and HUMILAND

For all types of crops and
flowers

For resuscitation and soil
reclamation

HUMILAND CONSUMPTION RATE

Seed soaking

10-20 ml of the
drug per 1 liter of
water

Watering under the
root of the plant

80-120 ml per 10 l
of water, 0,5 l per
plant

Foliar dressing

80-120 ml per 10
liters of water 3-4
times a season

The use of humic fertilizers is possible at all stages of formation, development, growth of plants from early spring to late autumn.



The effectiveness of the fertilizer "Biohumus" and the drug "Humiland" are confirmed by tests:

1. ANO "Center for Collective Use of Instruments and Certification of the Moscow Research Institute of Agriculture"
2. Sanitary and epidemiological conclusion of the State Enterprise "NPTsG" of the Ministry of Health of the Republic of Belarus;
3. State Scientific Institution "Institute of Nature Management of the National Academy of Sciences of Belarus"
4. RUE "Institute of Soil Science and Agrochemistry of the National Academy of Sciences of Belarus«
5. RUE "Institute of Vegetable Growing of the National Academy of Sciences of Belarus"
6. RUE "Scientific and Practical Center of the National Academy of Sciences of Belarus for Agriculture "
7. Branch "Central Laboratory" RUE "Research and Production Center for Geology"
8. Open Joint Stock Company "Bykhov Canning and Vegetable Drying Plant "

WE INVITE YOU TO COOPERATION!