



The program of high-quality cultivation of agricultural crops, increasing soil fertility, increasing yields and obtaining environmentally friendly products through the use of low-molecular-weight humic chelator Cytohumate (CG)



Cereals: wheat, barley, oats

BASIC PROCESSING PROGRAM

No	The procedure and time of application of the drug	The rate of application of the drug	Purpose of application
1	Seed dressing: seed dressing, soaking.	0.33 l/ton of seeds	Against fungal and bacterial diseases: ear mold, root rot, black seed germ and to ensure seed germination up to 100%
2	Spraying: 1) In the tillering 2) phase, in the tube exit 3) phase, in the grain filling phase	0,33 л/га	To accelerate plant growth, increase gluten by 2-6 units, improve product quality and increase yields by 20-40%

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase yields, increase soil fertility and suppress pathogens during furrow irrigation, we recommend two treatments: CYTOHUMATE 2-4 liters per hectare; CYTOHUMATE 2-4 liters per hectare;

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Corn



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1	Seed dressing: seed dressing, soaking.	0.4 l/ton of seeds	Against fungal and bacterial diseases: ear mold, root rot, black seed germ and to ensure seed germination up to 100%
2	Spraying: 1) From the moment of appearance of 3-5 leaves, with a growth of 15-20 cm. 2) repeated spraying after 10-15 days	0.33 l/ha	To accelerate plant growth, improve product quality and increase yields by 20-40%

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase yields, increase soil fertility and suppress pathogens during furrow irrigation, we recommend two treatments: CYTOHUMATE 2-4 liters per hectare; CYTOHUMATE 2-4 liters per hectare;

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Oilseeds: sunflower, rapeseed, safflower

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No	The procedure and time of application of the drug	The rate of application of the drug	Purpose of application
1	Seed dressing: seed dressing, soaking in a working solution for 20 minutes	0.4 l/ton of seeds	To boost the immune system, increase seed germination energy and ensure seed germination up to 100%
2	Spraying: 1) In the 5-7 leaf phase 2) repeat after 10-15 days	0.4 l/ha	To prevent diseases and leaf infections and increase yields
3	Watering: at least 3 times per season	0.5-1 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Potato

BASIC PROCESSING PROGRAM

<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Pre-planting treatment of tubers. Spraying the tubers before planting, or soaking in a working solution for 20-30 minutes	0.4 – 0.6 l/ton of tubers	Increased resistance to tuberous infections: root rot, dry rot, black scab, late blight, wet rot, bacteriosis and to ensure seed germination up to 100%
2	Foliar top dressing: 1st in the phase of full shoots 2nd in the budding phase	0.4 – 0.6 l/ha	To accelerate the growth of potato tubers.

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Bulbous: onion, garlic

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1	Seed dressing: seed dressing, soaking for 1-2 hours	0.4 l/t 4 ml/10 liters of water	Against fungal and bacterial diseases and to ensure seed germination up to 100%
2	after planting, pour the seedlings under each root or spray abundantly	1l/ha	To strengthen the root system, plant immunity and accelerate growth.
3	Spraying: 10-15 days after germination	0.4 l/ha	Strengthening the immune system, accelerating vegetation, increase in yield
4	Watering: 2 times before fruiting, 2 times when garlic bulbs and heads appear	0.5-1.0 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.





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Pumpkin: watermelon, melon, pumpkin, cucumber

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<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Seed dressing: seed dressing, soaking in a working solution for 20 minutes	0.4 l/ha	Against fungal and bacterial diseases: root rot, dry rot, black scab, late blight, wet rot, bacteriosis and to ensure seed germination up to 100%
2	Spraying: 1) In the 3-4 leaf phase 2) repeated after 10-15 days	0.33 l/ha	To accelerate plant growth and increase yields
3	Watering: 1 time before flowering, 2 times during fruit formation	0,5-1 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.





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Tomato, pepper, eggplant

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1	Seed dressing: seed dressing, soaking the roots of seedlings for 1 hour	0.4 l/t 4 ml/10 liters of water	Against fungal and bacterial diseases: root rot, dry rot, black scab, late blight, wet rot, bacteriosis and to ensure seed germination up to 100%
2	After planting, pour the seedlings under each root	1 l/ha	To strengthen the root system, plant immunity and accelerate growth.
3	Spraying: 1) In the 3-4 leaf phase 2) repeated after 10-15 days	0,4 l/ha	Strengthening the immune system, accelerating vegetation, increase in yield
4	Watering: 1 time before flowering, 2 times during fruit formation, at least 2 times per season	0,4 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.





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Sugar and fodder beets, carrots, radishes.

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1	Seed dressing: seed dressing, soaking.	0.4 l/10 liters of water per 1 ton of seeds	Increase seed germination energy, increase resistance to tuberous infections, improve the immune system and ensure seed germination up to 100%
2	Spraying: when closing the rows and thickening the roots	0,33 l/ha	To accelerate plant growth, improve product quality
3	Spraying: 1) In the 3-4 leaf phase 2) repeated after 10-15 days	0,5-1 l/ha	To increase yields, increase soil fertility, suppress pathogens and accelerate fruit formation

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C -
spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above -
spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Cotton

BASIC PROCESSING PROGRAM

<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Seed dressing: seed dressing, soaking.	0.33-0.4 l/10-20 liters of water per 1 ton of seeds	Against fungal and bacterial diseases, leaf infections and to ensure seed germination up to 100%
2	Spraying: 1) before budding, with a height of 10-20 cm 2) during fruiting	0,33 l/ha	To accelerate plant growth, improve product quality, increase yield and accelerate vegetation
3	With furrow irrigation at least 2 times per season	1-2 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Rice

BASIC PROCESSING PROGRAM

<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Seed dressing: seed dressing, soaking in a working solution for 10-15 hours is the key to a high yield	0.4 l/ton of seeds	Against fungal and bacterial diseases: ear mold, root rot, black seed germ and to ensure seed germination up to 100%
2	Spraying: 1) In the phase of the beginning of tillering 2) in the phase of the end of tillering, after herbicidal treatment in 3-4 days 3) in the phase of the beginning of the exit into the tube 4) in the phase of the beginning of filling the ear	0,4 – 0,6 l/ha	To accelerate plant growth and increase yields

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Perennial herbs: alfalfa, esparcet, clover

spraying or tapping into the soil together with liquid nitrogen fertilizers.



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<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Seed dressing: seed dressing, soaking.	0.4 l/10-20 liters of water per 1 a ton of seeds	Against fungal and bacterial diseases, root rot, leaf infections and to ensure seed germination up to 100%
2	Spraying: 1) 15-20 days after germination 2) after each mowing with a height of 10-15 cm	0,33 l/ha	To accelerate plant growth, increase green mass, relieve stress, strengthen the root system.

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Grape

spraying or tapping into the soil together with liquid nitrogen fertilizers.



BASIC PROCESSING PROGRAM

<i>No</i>	<i>The procedure and time of application of the drug</i>	<i>The rate of application of the drug</i>	<i>Purpose of application</i>
1	Seed dressing: soaking seedlings in a working solution for 15-20 hours	4 ml/10 liters of water	To increase survival and resistance to stress factors (frost, drought) and diseases, as well as for rapid growth and development of the root system.
2	Watering for each vine	2 ml/10 liters of water	In order to increase soil fertility and strengthen the root system.
3	Spraying: 1) In the phase of kidney swelling 2) repeat after 10-15 days 2-3 times	0,33 l/ha	To prevent diseases and leaf infections and increase yields.
4	With furrow irrigation at least 3 times per season	0,5-1 l/ha	To increase yields, increase soil fertility and suppress pathogens

RECOMMENDED ADDITIONAL PROCESSING PROGRAM

To increase the humus layer of the soil, increase soil fertility, we recommend in autumn, after harvest, 10-20 days before lowering the soil temperature below 10 C - spraying: CYTOHUMATE - 2 liters diluted in 100-300 liters of water per 1 Ha;

If nitrogen fertilizers (CAS or saltpeter) are used, we recommend enhancing the effect of nitrogen and reducing its losses in spring when the soil warms up 8 C and above - spraying, or tapping into the soil together with liquid nitrogen fertilizers.



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Fruit and fruit trees

spraying or tapping into the soil together with liquid nitrogen fertilizers.

BASIC PROCESSING PROGRAM

No	The procedure and time of application of the drug	The rate of application of the drug	Purpose of application
1	Soak the roots of seedlings for 15-20 hours in a working solution before planting	4 ml/10 l of water	To increase survival and resistance to stress factors (frost, drought) and diseases, as well as for rapid growth and development of the root system
2	Watering: 1) shed the root system before the buds swell 2) during flowering	4 ml/10 l of water	To increase survival and resistance to stress factors (frost, drought), as well as for rapid growth and development of the root system
	Spraying: 1) in the budding phase 2) during fruit formation, repeat after 15-20 days	0,33 l/ha	To increase survival and resistance to stress factors (frost, drought), as well as for rapid growth and development of the root system
5	Autumn watering for each tree	2-4 ml/10 l of water	For frost resistance, increasing soil fertility and suppressing pathogens



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Flowers

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1	Seed treatment (semi-dry inlay)	0.4 l/ton of seeds	To increase survival and resistance to stress factors and diseases, as well as for rapid growth and development of the root system
2	Treatment of seedlings – soak in 5% aqueous solution for 10-12 hours	50 ml/1 liter of water	To increase survival and resistance to stress factors and diseases, as well as for rapid growth and development of the root system
3	Spraying: 1) in the phase of 2-3 leaves 2) in the phase of 5-7 3) in the phase of the beginning of flowering	0.4 l/ha	Restores the immunity of plants, increases stress resistance, improves the quality of flowers, stimulates growth.