



BRAND BORN IN RUSSIA

RELIKT



**COMPLEX ORGANOMINERAL
FERTILIZERS**





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RELIKT ORGANICS

**BRAND BORN IN THE SCIENTIFIC CENTER OF SIBERIA
NOVOSIBIRSK - ACADEMIC CITY.**

The production company NPP "Genesis" LLC is engaged in the development and production of organic products for agriculture based on humic and fulvic acid.

The product line includes complex hummus preparations for plant production, animal husbandry and soil restoration, applicable to both large producers, as well as for small farms and personal auxiliaries plots. Production uses innovative technologies, advanced equipment and extremely high quality raw materials.

Products and raw materials go through several stages quality control, it allows us to consistently obtaining high quality products.





PLANT FERTILIZER

BENEFITS OF USING RELIKT R? - Productivity increase / Higher quality of products / Growth speed boost / Reduction of fertilizers usage / Improvement of harvest preservation.

EFFECT ON PLANTS - Seed treatment intensifies the sprout's nutroton intake ate the early stages of its growth / Boosts immune response to soil pathogens / Improves intromission of active materials of other agricultural products and fertilizers / Provides for chlorophyll content build-up and enhances produc-tiveness of photosynthesis / Provides impact reduction of such stress factors as air drought and toxic effect of herbicides on plants

100% SAFE AND ECO-FRIENDLY

The product is non-toxic and chlorine-free, safe to humans, ani-mals and birds, does not have any cumulative properties. It does not have any allergic, anaphylactic, teratogenic, embryotoxic, mutagenic or carcinogenic effects.

Relikt R is fully compatible with every other types of herbal preparations as well as anytypes of chemical fertilizers (pesticides).

Relikt R can be combined with other preparation in one mixture of the spray tank.



ALL PRODUCTS ARE MADE IN SIBERIA

SUITABLE FOR ORGANIC FARMING.

The main ingredient for the production of our preparations is Leonardite (a special oxidized form of brown coal), which has a unique organic composition and high content humic and fulvic acids, as well as other humic substances with high biological activity.





WE ARE PROUD OF INNOVATION FOR AGRICULTURE AND PEOPLE'S LIVES

Our team consists of specialists in the field of chemistry, physics and agronomy, continuously engaged in expansion of our product line, introduction of new technologies and optimization of the production process

Relikt Organics® sales staff has extensive knowledge in crop and livestock production, thereby providing customers with competent advice on any issues and offering comprehensive solutions for their professional needs.

In modern industrial conditions, environmental care is becoming increasingly important with each day.

Soil restoration after exposure to stress factors, reduction of norms for the use of non-organic toxic fertilizers and plant protection from soil pathogens should become priority areas, both in the mass agricultural industry and in small farms.



BROWN COAL

Brown coal is a fossil fuel, a fossil coal of the second phase of metamorphism (an intermediate link between lignite and bituminous coal), produced from lignite or directly from peat. There are soft, earthy, dull, lignite and hard varieties of this coal. In terms of material composition, the overwhelming majority of brown coals are classified as huminites. It consists of carbon, oxygen, hydrogen, nitrogen, and many other minor components.



LEONARDITE

Leonardite is a brown coal type. With its low heat-generation capacity, it is classified as a low-value fuel. Leonardite can be mined by open-pit method and often dumped as waste from brown coal mining. This waste is rich in humic substances and, therefore, used in humate production. The difference between humic acids from this raw material and other organic sources is that humic acids from leonardite have a highly bioactive molecular structure





HUMATES ARE PRODUCTS BASED ON SALTS OF HUMIC ACIDS

Humic acids have a variety of actions: they activate bio-energetic processes, stimulate metabolism and synthetic processes, improve the absorption of nutrients through plasma membrane, strengthen enzymatic systems and enhance adaptive properties of a living organism.

Due to their complexation ability and sorption activity, humic acids can be used for converting heavy metals into insoluble compounds on soils contaminated by these metals.



MAIN FIELD CROPS



Cereal Grains:

0.3 – 0 v.4 L/t

Seed treatment for not less than 2 hours before sowing.

Working solution application rate – 10-15 L/t.

0.3 – 0.4 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material application rate – 150-300 L/ha.

Main phenophases: tillering, entering the tube and forming a flag leaf. For winter crops, also spring tillering (growth).

The crucial phase of plant development is tillering. During this period the main parameters of productive grass stand are laid: number of productive stems, spike length, number of spikelets.

Reducing the stress of chemical treatment with herbicides and weather conditions in this phase, through the use of Relikt R, contributes to a significant increase in yield up to 10-15%.



Pulse Crops:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.

Consumption of working solution – 10-15 L/t.

0.25 – 0.3 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 L/ha.

Main phenophases: 2-4 true leaves, branching, the beginning of fruit formation.

The use of Relict P during pre-sowing seed preparation accelerates growth in number and development of symbiotic nitrogen-fixers. Combining our product with microfertilizers based on molybdenum (Mo) during seed treatment will be especially favorable for the development of symbionts.

A significant contribution to the increase in yield on some pulse crops is the combined use of Relikt R with herbicides, the active substances of which have a negative effect on crop growth, slowing its development at the stages of organogenesis important for crop formation. Leaf chlorosis is associated with the destruction of chlorophyll in the leaves.

At this stage there is a decrease in synthesis of essential nutrients for both the shoot and the root system. The use of Relikt R accelerates decomposition of active substance of the herbicide, significantly reducing stress period and increasing the overall productivity of crops.



Field Cabbage Crops:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.

Consumption of working solution – 10-20 L/t.

0.3 – 0.4 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption 150-300 L/ha.

Main phenophases: 2-4 true leaves, rosette branching, formation of pods.

Seed treatment reduces stressful effects of low soil temperatures of early sowing crops, increasing field germination and seed sprouting speed. Stimulating development of the root system of seedlings provides improved plant nutrition in the early stages of development.

Field cabbage plants nutrition is especially important during the formation of 2-4 true leaves, since the intensive development of the root system of plants continues during this period.

Because of the active ingredients of Relikt R and the chelating properties of humic and fulvic acids, Relikt R perfectly combines and increases the efficiency of using such water-soluble fertilizers as ammonium sulfate, urea, CAM and others. Nutrients of fertilizers penetrate through the cuticle into the photosynthetic leaf tissue much better by increasing the permeability of the cell membrane.



Buckwheat:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.
Consumption of working solution – 10-20 L/t.

0.2 – 0.4 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 l / ha.

Main phenophases: 1-2 pairs of true leaves, branching and the beginning of fruit formation.

A significant contribution to the development of buckwheat plants is pre-sowing seed treatment, which provides stimulation of the root system development and an increase in the suction surface of seedlings (increase in the number of root hairs).

Relikt R greatly reduces the effect of herbicides on buckwheat plants when used together with chemical weeding of crops or use of the product 2-3 days after herbicide treatment.



Sunflower:

0.4 L/t

Seed treatment for not less than 2 hours before sowing.

Consumption of working solution 10-15 L/t.

0.4 – 0.6 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 L/ha.

Main phenophases: the appearance of the 1st pair of true leaves, 3-4 pairs of true leaves and 6-8 pairs of true leaves. It is important to apply together with herbicidal treatment.

Relikt R in combination with pesticide treatments promotes an increase in seed yield by 5–19% by increasing the diameter of the basket to 9.4% and the mass of seeds in the basket by 5.2–19.1%.



Linen:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.

Consumption of working solution 10-15 L/t.

0.25 – 0.3 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption - 150-300 L/ha.

Main phenophases: herringbone phase and the beginning of budding.

Foliar dressing with Relikt R and urea solution during herringbone phase is considered to be quite effective when growing flax. When herbicidal treatments in this phase, the dose of the drug - 0.2 L/ha + urea 3-5 kg per 100 liters of water (less water is not recommended).



Corn:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.
Consumption of working solution – 10-15 L/t.

0.3 – 0.4 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 L/ha.

Main phenophases: phase of 2-3 leaves of culture, phase of 6-7 leaves, phase of beginning of emergence (throwing out the panicle).

According to the research conducted on the use of humates on corn, it increases the chlorophyll content in the leaves, which accordingly intensifies the synthesis of dry matter in the aboveground biomass, thereby increasing its nutritional value when preparing silage.

The use of Relikt R together with herbicides reduces the duration of their toxic effects on the crop, helping to accelerate the decomposition and elimination of pesticide residues from plants, therefore increasing crop yields.



Sugar Beet:

0.3 – 0.4 L/t

Prerada semena najmanje 2 sata pre setve.
Consumption of working solution – 10-20 L/t.

0.3 – 0.4 L/ha

Spraying plants during the growing season 3 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 L/ha.

The main phenophases are: the formation of 1-2 pairs of true leaves, 3-4 pairs of true leaves, phase of formation of the rosette (the beginning of closing of rows), when 10-20% of the plants of the next rows touch each other (BBCH 31-32) and 50% of the clamping rows.

The most important period in the growth of beets is the first part of the growing season - until the rows are closed. In particular, for the given period of life there is the phase of the third pair of true leaves, when the embryonic stem and axillary buds are laid and leaves and root system are formed. By the time the leaves are closed in rows and further between the rows, there is an intensive growth of the root crop. In this regard, in the period noted, it is necessary to ensure the minimum stress on plants of adverse factors due to the combined use of Relikt R with herbicides and fertilizers.



Red Poppy:

0.3 – 0.4 L/t

Seed treatment for not less than 2 hours before sowing.

Consumption of working solution – 10-20 L/t.

0.25 – 0.35 L/ha

Spraying plants during the growing season 2 or more times with an interval of at least 10-14 days.

Spray material consumption – 150-300 L/ha.

The drug should be used in a mixture of tanks with herbicides and in the initial phase forming a spreading leaf.

For poppy plants, the phase of the beginning of leaf rosette formation is one of the most important in the formation of crop yields during the period, therefore, when Relikt R is used, spraying should be planned so that drug treatment falls into this phase.



Perennial Herbs:

0.2 – 0.4 L/ha

Spraying of plants during the growing season from the beginning of regrowth to flowering 2 or more times with an interval of at least 10-14 days.

The use of Relikt R in the period of spring or post-harvest growth of herbs helps to stimulate the development of soil rhizosphere and cellulose-decomposing microflora. Stimulates the formation of new roots.



Stubble Destruction:

3 – 8 L/ha

For crops with easily decomposing straw (peas, spring wheat, barley, etc.), the consumption of the product is 3-5 liters per hectare, for crops with difficult-decomposing straw (rapeseed, corn, beets, sunflower, etc.) 5-8 liters per hectare.

Consumption of working solution – 100-300 liters per hectare.

To enhance the effect, it is possible to use 1-3 kg of active ingredient per hectare in a tank mix with ammonium nitrate.



VEGETABLE CROPS AND POTATO



Potato:

20 ml/ 20 L of water

Tubers dressing before planting by spraying with a working solution of the product (consumption – 10-15 L/t) or quick (30-40 sec.) immersion of nets with tubers into the prepared solution.

0.3 – 0.4 L/ha

Spraying plants during the growing season.

Spraying when plants grow 10-15 cm, with the appearance of buds, with the onset of full bloom.

Spray material consumption – 150-300 L/ha.

Potato belongs to the cultures well responsive to the introduction of humates. The physiological feature of this plant necessitates the use of potassium salts of humic acids, which is one of the main ingredients of our product. Relikt R reduces consequences of herbicidal treatment on crops of cultivated plants, improving the digestibility of applied mineral fertilizers.



Cucumber, tomato, pepper:

15-30 ml/ 10-12L of water

Soaking seeds before sowing for 6-12 hours.

0.2 – 0.4 L/ha

Spraying during the growing season 2-6 times with an interval of 10-14 days between treatments.

25-50 ml/ 100 L of nutrient solution

Plant root nutrition (nutrient solution) during the growing season. The interval between applications 12-14 days.

Relikt R contains salts of humic and fulvic acids of potassium and ammonium forms, as a result of which potassium favorite vegetables are considered to be one of the best in response to the introduction of the plant preparation. One of the main properties of hymun preparations is the stimulation of active root formation, which ensures high efficiency of its application in healing watering during picking and planting of seedlings into the ground.

Also, its ability to improve root nutrition is especially relevant during the fruiting period, when there is a heavy load on the plant organism. The heat-loving plants, treated with Relikt R, are less responsive to changes in daily temperatures, as a result of which the yield of commercial fruits increases, which is especially important during the end of the growing season.



Carrot:

0.3 – 0.4 L/t of seeds

Seed treatment not less than 2 hours before sowing.

Consumption of working solution - 10-20 L/t.

15 – 30 ml/ 10 - 12L of water

Spraying during the growing season 2-6 times.

0.3 – 0.4 L/ha

Spraying during growing season 2-3 times with an interval of 10-14 days.

Main phenophases: 2–4 true leaves, 4–6 true leaves, the beginning of root growth.

Spraying the plants in the early stages of the development of the growing culture contributes to reducing the impact of adverse weather events and stimulates the root formation of carrots. Even the double application of Relikt R during the growing season helps to increase the collection of root crops by 15%.



Cabbage: (*Cabbage, Spinach, Cauliflower, Red Cabbage, Broccoli...*)

15 – 30 ml/ 10 - 12 L of water

Soaking the seeds before sowing for 6-12 hours, bulbs for 12 -18 hours.

0.3 – 0.4 L/ha

Spraying during the growing season 2-6 times with an interval of 10-14 days between treatments.

Consumption of working solution - 150-400 L/ha.

The main periods of use: for each pesticide treatment in tank mix. With the technology of direct seeding - phase 1-2 of the leaf culture, the phase of the formation of plants 4-6 leaves, the phase of the outlet (before the formation of the head).

1.25 – 2.5 L/ 1000 L of water

Top-dressing using capillary irrigation system 2-6 times during the growing season with an interval of 10-14 days.

Consumption of working solution - according to the irrigation rate.

In addition to watering seedlings when planting in the ground, it is recommended to use the drug in the same phases that are prescribed during spraying.



Cucurbits: (*Gourd, Calabash, Pumpkin, Various Melon, Cucumber*)

0.3 – 0.4 L/t seed

Seed treatment not less than 2 hours before sowing.

Consumption of working solution - 10-20 l / t.

15 – 30 ml/ 10 – 12 L of water

Soaking seeds before sowing for 6-12 hours.

0.3 – 0.4 L/ha

Spraying during the growing season 2-3 times with an interval of 10-14 days between treatments.

Main phenophases: 2-3 true leaves, budding - the beginning of flowering and the period of fruit formation (growth of fruits).

1.25 – 2.5 L/ 1000 L of water

Top-dressing 2-4 times during the growing season with an interval of 10-14 days.

Consumption of working solution - according to the irrigation rate.

The main phenophases in the open field: 2-3 true leaves, budding-the beginning of flowering and the period of fruit formation (fruit growth).

In protected ground: 1st irrigation - when planting seedlings; 2nd watering - 14 days after planting, before flowering; 3rd watering - 14 days after the previous one since the start of fruit set; 4th watering - 10-14 days after the previous one.

When growing plants in protected soil, e.g. on melons, the use of Relikt R accelerates the growth of plants and fruits. An enhanced diet can lead to bursts. When the first signs appear, it is necessary to change the irrigation rate, reducing the volume of water by 10-20% of the usual. In this case, care should be taken to ensure that the leaves of the culture do not start to drop much.



Alliaceous:

0.3 – 0.4 L/T of seeds

Seed treatment not less than 2 hours before sowing.

Consumption of working solution - 10-20 l / t.

15 – 30 ml/ 10 – 12 L of water

Soaking seeds before sowing for 6-12 hours.

0.2 – 0.4 L/ha

Spraying during the growing season 2-4 times with an interval of 10-14 days between treatments.

The main phenophases: seedlings, 1-2, 2-4 and 4-6 leaves of the culture.

1.25 – 2.5 L/ 1000 L of water

Top-dressing 2-4 times during the growing season with an interval of 10-14 days. Consumption of working solution according to the irrigation rate.

The main phenophases: seedlings, 1-2, 2-4 and 4-6 leaves of the culture.

With repeated use of pesticides during plant cultivation, it is recommended application of Relikt R each time with application of 0.15-0.2 L / ha, in order to reduced the chemical load of plants.



Herbaceous Crops:

15 – 30 ml/10 – 12 L of water

Soaking seeds before sowing for 6-12 hours.

0.3 – 0.4 L/Ha

Spraying during the growing season 2-4 times with an interval of 10-14 days between treatments.

1.25 – 2.5 L/ 1000 L of water

Top-dressing 2-4 times during the growing season with an interval of 10-14 days.

Consumption of working solution - according to the irrigation rate.

Main phenophases: shoots, further with an interval of 10-12 days.

Herbaceous crops are characterized by active growth of the vegetative mass, for the formation of which requires a sufficient amount of nitrogen. The use of Relikt R in growing these crops stimulates the uptake of nitrogen by the vegetative part of plants, reducing the risk of accumulation of nitrates in their tissues.



Eggplant:

15-30 ml/ 10-12L of water

Soaking seeds before sowing for 6-12 hours.

0.2 – 0.4 L/ha

Spraying during the growing season 2-6 times with an interval of 10-14 days between treatments.

25-50 ml/ 100 L of nutrient solution

Plant root nutrition (nutrient solution) during the growing season. The interval between applications 12-14 days.

Relikt R contains salts of humic and fulvic acids of potassium and ammonium forms, as a result of which potassium favorite vegetables are considered to be one of the best in response to the introduction of the plant preparation. One of the main properties of humic preparations is the stimulation of active root formation, which ensures high efficiency of its application in healing watering during picking and planting of seedlings into the ground.

Also, its ability to improve root nutrition is especially relevant during the fruiting period, when there is a heavy load on the plant organism. The heat-loving plants, treated with Relikt R, are less responsive to changes in daily temperatures, as a result of which the yield of commercial fruits increases, which is especially important during the end of the growing season.



Beetroot: (*Field Beet, Sugar Beet, Sea Beet, Chard...*)

0.3 – 0.4 L/t of seeds

Seed treatment not less than 2 hours before sowing.

Consumption of working solution - 10-20 L/t.

15 – 30 ml/ 10 - 12L of water

Spraying during the growing season 2-6 times.

0.3 – 0.4 L/ha

Spraying during growing season 2-3 times with an interval of 10-14 days.

Main phenophases: 2–4 true leaves, 4–6 true leaves, the beginning of root growth.

Spraying the plants in the early stages of the development of the growing culture contributes to reducing the impact of adverse weather events and stimulates the root formation of carrots. Even the double application of Relikt R during the growing season helps to increase the collection of root crops by 15%.



Okra (*Ladie Finger*):

2 – 3 ml/ 1.5 – 2 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.4 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid during each treatment is at least 400 l / ha.

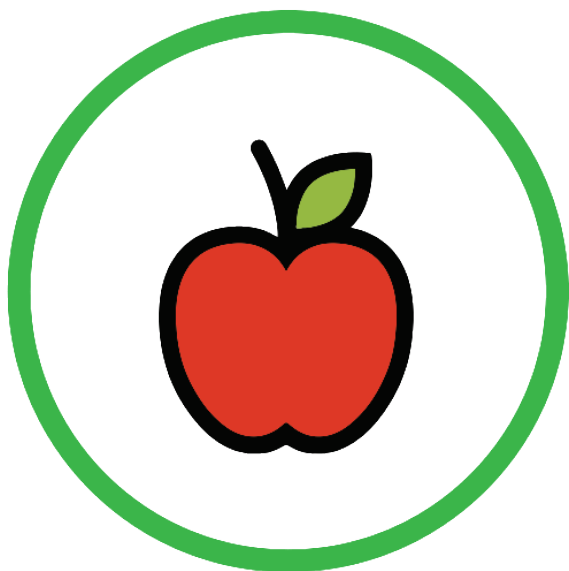
The 1st feeding is carried out after bud blooming, at least 5-7 days before the beginning of flowering when forming leaves. / 2nd processing is carried out after the appearance of fruit ovaries, when the halos of flowers fall. / The 3rd and 4th treatments - 10-14 days after the second, with an interval of 12-14 days. / 5th - 5 days after picking the fruit. The dose of the drug must be reduced to 0.3 l / ha.

1.25 – 2.5 L/ 1000 L of water

Root top dressing using capillary irrigation system.

Consumption of working solution - according to the irrigation rate. The concentration of the drug is adjusted in accordance with the content of humus in the soil.

The main phases of application are noted in the regulations for the use of the drug by spraying.



FRUIT AND BERRY CROPS



Pomaceous Fruits:

2 – 3 ml/ 1.5 – 2 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.4 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid during each treatment is at least 400 l / ha.

The 1st feeding is carried out after bud blooming, at least 5-7 days before the beginning of flowering when forming leaves. / 2nd processing is carried out after the appearance of fruit ovaries, when the halos of flowers fall. / The 3rd and 4th treatments - 10-14 days after the second, with an interval of 12-14 days. / 5th - 5 days after picking the fruit. The dose of the drug must be reduced to 0.3 l / ha.

1.25 – 2.5 L/ 1000 L of water

Root top dressing using capillary irrigation system.

Consumption of working solution - according to the irrigation rate. The concentration of the drug is adjusted in accordance with the content of humus in the soil.

The main phases of application are noted in the regulations for the use of the drug by spraying.

The 1st treatment helps to increase the fertility of pollen, therefore, increase fruit stichiness and increase stress tolerance of plants to low temperatures during the flowering period.

2nd processing provides increased nutrition of plants during the filling of the fruit. One of the subsequent (3 and 4) treatments Relikt R should fall in the middle of the growing season - during the load with growing fruits, since during this intensive period, new fruit buds are planted; as a result, it is important to provide the plants with adequate nutrition.

The 5th dressing is necessary to improve the formation of the supply of nutrients, their deposition in the roots, trunk wood and main skeletal branches.



Stone Fruits:

2 – 3 ml/ 1.5 – 2.1 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.3-0.4 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The working fluid consumption is at least 400 l / ha.

1st dressing before flowering to increase fruit stitchiness (can be combined with microelements). Consumption of working solution - not less than 200-300 l / ha. / 2nd processing in 10-14 days after the end of flowering (at the end of the fall of the petals on the flowers). / 3rd and 4th treatments at intervals of 10-14 days after the previous one.



Berry Shrubs: (*Blueberries, Blackberries, Red currants, Raspberries...*)

2 – 3 ml/ 1.5 – 2 L of water

Soak before planting cuttings for 12-24 hours.

0.3 – 0.6 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid during each treatment is at least 300-400 l / ha.

1st feeding - at the beginning of bud break, the beginning of intensive growth of leaf mass. The dose of humate 0.2-0.3 l / ha The flow rate of the working fluid is 200-300 l / ha. / 2nd feeding - before flowering. / 3rd feeding - after fruit set. / 4th feeding - 2 weeks after the previous one. The working fluid consumption is at least 400 l / ha. / 5th dressing - after harvesting fruits (for young shoots, improving their overwintering and increasing the productivity of planting next year).

1.25 – 2.5 L/ 1000 L of water

Root top dressing when planting seedlings into the ground and using a capillary irrigation system.

Consumption of working solution - according to the irrigation rate.

The main phases of application are noted in the regulations for the use of the drug by spraying.

As the consumption of the working solution increases, 0.1 L / ha of drug can be added to every additional 100 L / ha up to 0.5 L / ha.



Common garden strawberry: (Fragaria ananassa)

1.25 – 2.5 L/ 1000 L of water

Root top dressing using capillary irrigation system.

Consumption of working solution - according to the irrigation rate.

1st feeding - when planting seedlings by watering a solution of the drug.
The 1st feeding of plants of the second year of life is carried out in the spring after cleaning the plantations of old and dead leaves, before the first loosening. / 2nd feeding - in the period of plant budding. / 3rd feeding - no earlier than 10-14 days after the previous one in the growth phase of the fruit. / 4th dressing - after the end of fruiting - 0.25 liters per 1000 liters of water.

Relikt R has a proven high efficiency when planting strawberry seedlings in the ground. Its use provides a significant reduction in plant attacks by stimulating root formation. Fertilizing of plants after fruiting should be carried out carefully, to prevent excessive stimulation of plants. Top dressing in this period contributes to the laying of a larger number of flower buds for the next year, the growth of the new leaf apparatus and the root system.



Grape:

0.3 – 0.6 L/ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid - with each treatment at least 300-400 l/ha.

1st feeding - when blooming leaves. The dose of humate 0.2-0.3 l / ha.

Working fluid consumption 200-300 l/ha. / 2nd dressing - 5-8 leaves per crop. /

3rd feeding - at the time of inflorescence loosening, before flowering. /

4th feeding - after the formation of the ovary, with the beginning of the growth of the fruit. / 5th feeding - 2 weeks after the previous one.

1.25 – 2.5 L/ 1000L of water

Root top dressing involves three to five times the application during the growing season of plants.

Consumption of working solution - according to the irrigation rate.

The main phases of application are noted in the regulations for the use of the drug by spraying.

The use of Relikt R by root dressing sometimes accelerates the growth of fruits, which can lead to their cracking. At the first signs, it is necessary to change the irrigation rate, reducing the volume of water by 10-20% from the usual. At the same time, the needs of plants for watering should be monitored in order to avoid moisture deficiency.



Hops:

2-3 ml/1.5-2 l of water

Soak before planting cuttings for 12-14 hours.

0.4 L/ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid - with each treatment at least 300-400 l / ha.

The main phases of application: the growth of stems and the development of leaves in spring, the emergence and growth of lateral branches (the height of shoots is 2.2-2.5 m), the beginning of flowering, the formation of cones, the technical ripeness of cones.

The use of Relikt R in a mixture with urea or carbomide-ammonium mixture during the growing season increases the efficiency of mineral fertilizers up to 50%.



Date palm:

2 – 3 ml/ 1.5 – 2 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.4 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid during each treatment is at least 400 l / ha.

The 1st feeding is carried out after bud blooming, at least 5-7 days before the beginning of flowering when forming leaves. / 2nd processing is carried out after the appearance of fruit ovaries, when the halos of flowers fall. / The 3rd and 4th treatments - 10-14 days after the second, with an interval of 12-14 days. / 5th - 5 days after picking the fruit. The dose of the drug must be reduced to 0.3 l / ha.

1.25 – 2.5 L/ 1000 L of water

Root top dressing using capillary irrigation system.

Consumption of working solution - according to the irrigation rate. The concentration of the drug is adjusted in accordance with the content of humus in the soil.

The main phases of application are noted in the regulations for the use of the drug by spraying.

The 1st treatment helps to increase the fertility of pollen, therefore, increase fruit stichiness and increase stress tolerance of plants to low temperatures during the flowering period.

2nd processing provides increased nutrition of plants during the filling of the fruit. One of the subsequent (3 and 4) treatments Relikt R should fall in the middle of the growing season - during the load with growing fruits, since during this intensive period, new fruit buds are planted; as a result, it is important to provide the plants with adequate nutrition.

The 5th dressing is necessary to improve the formation of the supply of nutrients, their deposition in the roots, trunk wood and main skeletal branches.



Nuts: (*walnut, hazelnut, almond, olive...*)

2-3 ml/ 1.5-2 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.3-0.4 L/ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The working fluid consumption is at least 400 l / ha.

1st dressing before flowering to increase fruit stickiness (can be combined with microelements). Consumption of working solution - not less than 200-300 l / ha.

2nd processing in 10-14 days after the end of flowering (at the end of the fall of the petals on the flowers).

3rd and 4th treatments at intervals of 10-14 days after the previous one.

With an increase in the flow rate of the working solution, for every additional 100 l / ha, you can add 0.1 l/ha of the preparation to 0.5 l/ha.



Plum, peach, nectarine:

1.25 – 2.5 L/ 1000 L of water

Root top dressing with a solution of the product when planting seedlings. The concentration of the drug is adjusted in accordance with the content of humus in the soil. The lower the humus content in the soil, the higher the concentration of the drug can be within the recommended value.

0.3 – 0.6 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The flow rate of the working fluid - with each treatment at least 300-400 l/ha.

1st feeding - before the start of flowering (approximately the phase of "pink bud"). The dose of the drug - 0.2-0.3 l/ha. Working fluid consumption 200-300 l / ha. / 2nd feeding - at the end of the flowering-flying petals (the beginning of the growth of fruits). / 3rd and 4th feeding - 2 weeks after the previous one. / The 5th dressing is from the beginning of the staining of the fruit.



Mango:

2-3 ml/ 1.5-2 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.3-0.4 L/ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The working fluid consumption is at least 400 l / ha.

1st dressing before flowering to increase fruit stickiness (can be combined with microelements). Consumption of working solution - not less than 200-300 l / ha.

2nd processing in 10-14 days after the end of flowering (at the end of the fall of the petals on the flowers).

3rd and 4th treatments at intervals of 10-14 days after the previous one.

With an increase in the flow rate of the working solution, for every additional 100 l / ha, you can add 0.1 l/ha of the preparation to 0.5 l/ha.



Citrus Fruits: (orange, lemon, grapefruits, pomelos, limes...)

2 – 3 ml/ 1.5 – 2.1 L of water

Soak before planting seedlings with an open root system for 3-4 hours.

0.3-0.4 L/Ha

Spraying plants during the growing season 3-5 times with an interval of at least 10-14 days.

The working fluid consumption is at least 400 l / ha.

1st dressing before flowering to increase fruit stitchiness (can be combined with microelements). Consumption of working solution - not less than 200-300 l / ha. / 2nd processing in 10-14 days after the end of flowering (at the end of the fall of the petals on the flowers). / 3rd and 4th treatments at intervals of 10-14 days after the previous one.

With an increase in the flow rate of the working solution, for every additional 100 l / ha, you can add 0.1 l/ha of the preparation to 0.5 l/ha.



**FLOWER & ORNAMENTAL INDOOR PLANTS
GARDEN, LANDSCAPING & PARKS**



Flower & Ornamental Plants:

20 – 30 ml/ 10 L of water

Watering seedlings when planting.

Top dressing 2-6 times during the growing season with an interval of 10-14 days.

Consumption of working solution of 3-10 l/m².

Indoor Plants:

20 – 30 ml/ 10 L of water

Watering plants during their active growth 1 time in 10-15 days, at other times - 1 time in 1-1.5 months.



Grass Lawn:

0.2 – 0.4 L/ha

Spraying of plants 3-6 times during the growing season from the beginning of spring regrowth with an interval of at least 12-14 days between use of the drug.

Consumption of working solution - 2-3 l / 100 m².

100 – 200 ml/ 100 L of water

Watering plants 3-6 times during the growing season from the beginning of spring regrowth with an interval of at least 12-14 days between use of the drug.

Consumption of working solution - according to the accepted irrigation rate.

The use of Relikt R in the period of spring and post-mowing growth stimulates the sprouting of plants, providing an increase in the stress tolerance of the lawn and the aesthetic qualities of the landscape.



Salad & Herbs:

15-30 ml/ 10-12L of water

Soaking seeds before sowing for 6-12 hours.

0.2 – 0.4 L/ha

Spraying during the growing season 2-6 times with an interval of 10-14 days between treatments.

25-50 ml/ 100 L of nutrient solution

Plant root nutrition (nutrient solution) during the growing season. The interval between applications 12-14 days.

Relikt R contains salts of humic and fulvic acids of potassium and ammonium forms, as a result of which potassium favorite vegetables are considered to be one of the best in response to the introduction of the plant preparation. One of the main properties of hymun preparations is the stimulation of active root formation, which ensures high efficiency of its application in healing watering during picking and planting of seedlings into the ground.

Also, its ability to improve root nutrition is especially relevant during the fruiting period, when there is a heavy load on the plant organism. The heat-loving plants, treated with Relikt R, are less responsive to changes in daily temperatures, as a result of which the yield of commercial fruits increases, which is especially important during the end of the growing season.



Trees, Shrubs & Herbs:

0.2 – 0.4 L/ha

Spraying of plants 3-6 times during the growing season from the beginning of spring regrowth with an interval of at least 12-14 days between use of the drug.

Consumption of working solution - 2-3 l / 100 m².

3.5 – 4 L/ 1000 L of water

Watering plants 3-6 times during the growing season from the beginning of spring regrowth with an interval of at least 12-14 days between use of the drug.

Consumption of working solution - according to the accepted irrigation rate.

The use of Relikt R in the period of spring and post-mowing growth stimulates the sprouting of plants, providing an increase in the stress tolerance of the plants and the aesthetic qualities of the landscape.

FOR PRIVATE SUBSIDIARY FARMS:

SOIL PREPARATION:

All crops (plowing, spudding, loosening).

30 ml (2 bottle caps)/10-12 L of water (1 sprinkling can).

Spray material consumption:

5-10 L/100 m²

SOAKING BEFORE PLANTING:

Vegetable crops, flower and ornamental plants, fruit and berry crops.

1-1,5 ml/1 L of water

- seeds - 6-12 hours
- tubers - 1-2 hours
- bulbs - 6-8 hours
- sprigs and seedlings - 14-24 hours
- open-rooted sprigs - 3-4 hours

FOLIAR FERTILIZING:

During growing season (2-6 times).

Vegetable, flower and decorative, fruit and berry crops.

15-20 ml/10-12 L of water.

Spray material consumption:

Plants, shrubs and trees - 5-10 L/100 m²

PLANT-ROOT FERTILIZING:

During growing season (2-6 times).

Vegetable, flower and decorative, fruit and berry crops.

Introduction with irrigation water:

15-25 ml/10 L of water

Spray material consumption: 5-10 L/m².

IMPORTANT NOTICE:

Norms of working solution consumption for feeding of various agricultural crops are customary ones.

It is not recommended to perform foliage spraying in hot sunny weather.

This product can be used individually or as a tank mixture with pesticides as well as with single-component and complex mineral macro and micro fertilizers; components of tank mixture are to be tested for compatibility.

General safety rules (including use of individual safety protection means) are recommended to follow when using the fertilizer.

Type of Testing	Measured Value (%)
Total Humus Extract (%)	15,62 - 18,2
Humic Acids (%)	11,8
Fulvo Acid (%)	5,1
Dry Matter (%)	18,53
Organic Matter (%)	16,24
Content of Humic & Fulvic Acids in the dry weight of the product (%)	93,29

Form: Liquid
Water solubility: 100%
pH: 9,5-10



Manufacturer: **ООО NPP "Genezis"**
Arbuzova 1/1 - 14, Novosibirsk, Rusija

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