

Recommendations for application of GUMOGEL fertilizer for the treatment of spring cereals (wheat, barley, oats, rye)

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 12 hours. After processing, dry the seeds. <u>Working solution:</u> 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution:</u> 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>2-fold processing:</u> 1st treatment - tillering phase - beginning of tube emergence; 2nd treatment - flowering phase - beginning of milk ripeness. + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (morning/evening treatment); • at low night temperatures (treatments at or above +8°C); • to reduce the negative impact of pesticides and fungicides on crops their combined use is recommended. <p><u>Prepare the working solution at the rate of:</u> 4 liters of GUMOGEL fertilizer per 1 hectare.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for the treatment of spring cereals (wheat, barley, oats, rye)

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 12 hours. After processing, dry the seeds. <u>Working solution:</u> 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution:</u> 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing:</u> 1st treatment - tillering phase - beginning of tube emergence; 2nd treatment - flowering phase - beginning of milk ripeness. 3rd treatment - spraying during flowering-wax ripeness.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of</u> 4 liters of GUMOGEL fertilizer per 1 hectare.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for the treatment of corn

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 10 hours. After processing, dry the seeds. <u>Working solution</u>: 25 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 250 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>2-fold processing</u>: 1st treatment - germination phase - the appearance of 3 - 5 leaves; 2nd treatment - panicle-flowering phase.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (morning/evening treatment); • at low night temperatures (treatments at or above +8°C); • to reduce the negative impact of pesticides and fungicides on crops their combined use is recommended. <p><u>Prepare the working solution at the rate of</u>: 4 liters of GUMOGEL fertilizer per 1 hectare.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for the treatment of leguminous crops (soybeans, lentils, beans)

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 10 hours. After processing, dry the seeds. <u>Working solution</u>: 25 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 250 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing</u>:</p> <p>1st treatment - germination phase - formation of 2-3 true leaves; 2nd treatment - staking phase - budding; 3rd treatment - the beginning of the flowering phase.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for sunflower processing

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 14 hours. After processing, dry the seeds. <u>Working solution</u>: 25 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing</u>: 1st treatment - germination phase - formation of 2-3 true leaves; 2nd treatment - staking phase - budding; 3rd treatment - the beginning of the flowering phase.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8 °C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of "GUMOGEL" fertilizer per 1 hectare.</u></p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for rapeseed, coleseed (winter and spring crops)

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 16 hours. After processing, dry the seeds. <u>Working solution</u>: 25 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 250 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing</u>:</p> <p>1st treatment - germination phase - formation of the first pair of true leaves; 2nd treatment - the phase of the beginning of the formation of a leaf rosette - branching; 3rd treatment - the phase of the beginning of budding.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for processing sugar beets

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. **Presowing soil treatment** is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p>Small farms <u>Soaking seeds</u> before sowing for 10 hours. After processing, dry the seeds. <u>Working solution</u>: 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>2-fold processing</u>: 1st treatment - germination phase - formation of 2-3 pairs of true leaves; 2nd treatment - the phase of 4 pairs of true leaves - closing of plants in rows.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of</u> 4 liters of GUMOGEL fertilizer per 1 hectare.</p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>2-fold processing</u>: 1st treatment - the phase of appearance of 4-6 leaves; 2nd treatment - flowering phase. The consumption of the product is 6 liters of GUMOGEL fertilizer for 1 hectare. <u>Preparation of working solution</u> - The recommended volume of the drug is diluted at the rate of irrigation (determined by the climatic conditions of the region and the technical features of irrigation systems.)</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for processing alfalfa, vetch-oat mixture, forage grass mixtures

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 10 hours. After processing, dry the seeds. <u>Working solution</u>: 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing</u>: 1st treatment - germination phase - plant regrowth; 2 subsequent treatments are carried out with an interval of 10-15 days. Additional processing after mowing.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for processing lawn grass mixtures

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p>Small farms <u>Soaking seeds</u> before sowing for 12 hours. After processing, dry the seeds. <u>Working solution</u>: 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p>1st treatment - germination phase - plant growth; - subsequent processing at intervals of 10-20 days. Additional processing after mowing. + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). 1st treatment - sprouting phase; - subsequent treatments in 15-20 days. Additional processing after mowing. <u>Consumption of the product</u> - 6 liters of fertilizer GUMOGEL per 1 hectare for each treatment.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for processing potato

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. **Presowing soil treatment** is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p>Small farms <u>Soaking seeds</u> before sowing for 10 hours. After processing, dry the seeds. <u>Working solution</u>: 50 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 500 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of tubers.</p>	<p><u>2-fold processing</u>: 1st treatment - the phase of appearance of 5-7 leaves; 2nd treatment - budding phase + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>2-fold processing</u>: 1st treatment - the phase of appearance of 3-5 leaves; 2nd treatment - flowering phase.</p> <p><u>Consumption of the product</u> - 6 liters of fertilizer GUMOGEL per 1 hectare for each treatment.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for processing tomatoes, eggplants, zucchini, cucumbers, cabbage

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. Presowing soil treatment is carried out no later than 2 weeks before sowing.

Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p>Small farms <u>Soaking seeds</u> before sowing for 6 hours. After processing, dry the seeds. <u>Working solution</u>: 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>4-fold processing</u>: 1st treatment - the phase of appearance of 2-4 leaves; 3 subsequent treatments with an interval of 10-15 days. + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>2-fold processing</u>: 1st treatment - the phase of appearance of 3-5 leaves; 2nd treatment - flowering phase. <u>Consumption of the product</u>: 6 liters of GUMOGEL fertilizer per 1 ha for each treatment.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of humic peat soil fertility regulator GUMOGEL for treatment of tomatoes, eggplants, zucchini, cucumbers, cabbage in greenhouses

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil/ substrate during the vegetation period	4. Hydroponics
<p>Soaking the seeds before sowing for 2 hours. After processing, dry the seeds. Working solution: 20 ml of GUMOGEL fertilizer + 1 l of water; Application: 100 ml of working solution per 1 kg of seeds.</p>	<p><u>4-fold processing:</u> 1st treatment - the phase of appearance of 2-4 leaves; three subsequent treatments with an interval of 10-15 days. <u>Prepare the working solution at the rate of 1 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p><u>Drip irrigation</u>, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>2-fold processing:</u> 1st treatment - the phase of appearance of 3-5 leaves; 2nd treatment - flowering phase. <u>Consumption of the product: 5 liters of GUMOGEL fertilizer per 1 ha for each treatment.</u></p>	<p>Consumption of the preparation: 10 liters of GUMOGEL per 1 hectare with a sequence of once a month.</p>



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for processing Onions, carrots, garlic, radishes, lettuce

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. Presowing soil treatment is carried out no later than 2 weeks before sowing. Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p>Small farms <u>Soaking seeds</u> before sowing for 6 hours. After processing, dry the seeds. <u>Working solution</u>: 10 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution</u>: 100 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>3-fold processing</u>: 1st treatment - the phase of appearance of 2-4 leaves; 2 subsequent treatments with an interval of 10-15 days.</p> <p>+ Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>2-fold processing</u>: 1st treatment - the phase of appearance of 3-5 leaves; 2nd processing in 12-15 days <u>Consumption of the product</u>: 6 liters of "Gumogel" fertilizer per 1 ha for each treatment.</p>

If it is necessary to introduce into agricultural turnover depleted and degraded areas or polluted areas (pesticides, heavy metals, organic pollutants, etc.), the dose of GUMOGEL fertilizer during pre-sowing treatment - from 30 to 40 l per 1 hectare (based on the characteristics of the site)

Recommendations for application of GUMOGEL fertilizer for processing fruit and berry crops- Apple tree, pear, plum, peach, cherry, sea buckthorn, quince, cherry plum, walnut, dogwood, citrus

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. **Presowing soil treatment** When planting in planting holes and pits, a substrate is laid, consisting of 1 part of GUMOGEL, 1-10 parts of water (depending on the moisture content of the site) and 20 parts of local soil (by volume)

1.Processing of cuttings and seedlings	2.Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p><u>Soaking plant roots</u> before planting in the ground. Working solution: 50 ml of GUMOGEL fertilizer + 10 liters of water Soaking for 2 hours. <u>Processing of cuttings</u> can be carried out in conjunction with fertilizers and biological products and allows to increase the survival rate of plants and accelerate growth. <u>Soak cuttings</u> for 24 hours. <u>Consumption of working solution</u> 10 l per 100 cuttings.</p>	<p><u>4-fold processing:</u> 1st treatment - 5-7 days after flowering; 2nd treatment - at the beginning of physiological ovary fall; 3rd treatment - the period of flower buds setting; 4th treatment - period of intensive fruit growth. + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>5-fold processing:</u> Watering with an aqueous solution of GUMOGEL fertilizer The first watering - during the period of intensive growth of shoots. The last watering is during the period of intensive fruit growth. <u>Consumption of the product:</u> 6 liters of GUMOGEL fertilizer per 1 ha for each treatment.</p>

Recommendations for application of GUMOGEL fertilizer for processing fruit and berry crops Grapes, raspberries, currants, honeysuckle, gooseberries, viburnum

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products. **Presowing soil treatment** When planting in planting holes and pits, a substrate is laid, consisting of 1 part of GUMOGEL, 1-10 parts of water (depending on the moisture content of the site) and 20 parts of local soil (by volume)

1.Processing of cuttings and seedlings	2.Treatment during the vegetation period (spraying)	3. Root treatment of the soil during the vegetation period
<p><u>Soaking plant roots</u> before planting in the ground. Working solution: 30 ml of GUMOGEL fertilizer + 10 liters of water <u>Soaking</u> for 4 hours. Processing of cuttings can be carried out in conjunction with fertilizers and biological products and allows to increase the survival rate of plants and accelerate growth. <u>Soak cuttings</u> for 24 hours. <u>Consumption of working solution</u> 10 l per 100 cuttings.</p>	<p><u>4-fold processing:</u> 1st treatment - 5-7 days after flowering; 2nd treatment - at the beginning of physiological ovary fall; 3rd treatment - the period of flower buds setting; 4th treatment - period of intensive fruit growth. + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8°C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>	<p>Drip irrigation, automated irrigation systems (hydromodules), machine irrigation (mobile irrigation units). <u>5-fold processing:</u> Watering with an aqueous solution of GUMOGEL fertilizer The first watering - during the period of intensive growth of shoots. The last watering is during the period of intensive fruit growth. <u>Consumption of the product:</u> 4 liters of GUMOGEL fertilizer per 1 ha for each treatment. <i>Preparation of working solution</i> - The recommended volume of the product is diluted at the rate of irrigation (determined by the climatic conditions of the region, technical features of irrigation systems).</p>



Soil fertility regulator: humic peat GUMOGEL
 technical specifications 20.15.90-001-200 33243 - 2018

Recommendations for application of GUMOGEL fertilizer for processing gourds Watermelon, melon, pumpkin

It is acceptable to use GUMOGEL fertilizer together with UAM (urea-ammonium mixture) and other mineral and organic fertilizers. In this case, the applied amount of these fertilizers can be reduced by 20-30% of the usual amount. It is acceptable to use GUMOGEL fertilizer in conjunction with chemical plant protection products.

Presowing soil treatment is carried out no later than 2 weeks before sowing.
 Consumption of GUMOGEL fertilizer during pre-sowing soil cultivation - 10 liters per 1 hectare.

1. Seed treatment	2. Treatment during the vegetation period (spraying)
<p>Small farms <u>Soaking seeds</u> before sowing for 24 hours. After processing, dry the seeds. <u>Working solution:</u> 20 ml of GUMOGEL fertilizer + 10 liters of water; Application: 1 liter of working solution per 1 kg of seeds.</p> <p>Large agricultural complexes <u>Machine treatment</u> of seeds during planting together with a dressing agent. <u>Working solution:</u> 200 ml of GUMOGEL fertilizer + 10 liters of water per 100 kg of seeds.</p>	<p><u>2-fold processing:</u> 1st treatment - in the lashing phase 2nd treatment - after 10-15 days + Spraying (supporting):</p> <ul style="list-style-type: none"> • at high daytime temperatures (processing morning/evening); • at low night temperatures (processing at t not lower than +8 °C); • to reduce the negative impact of pesticides, fungicides on crops their combined use is recommended <p><u>Prepare the working solution at the rate of 4 liters of GUMOGEL fertilizer per 1 hectare.</u></p>