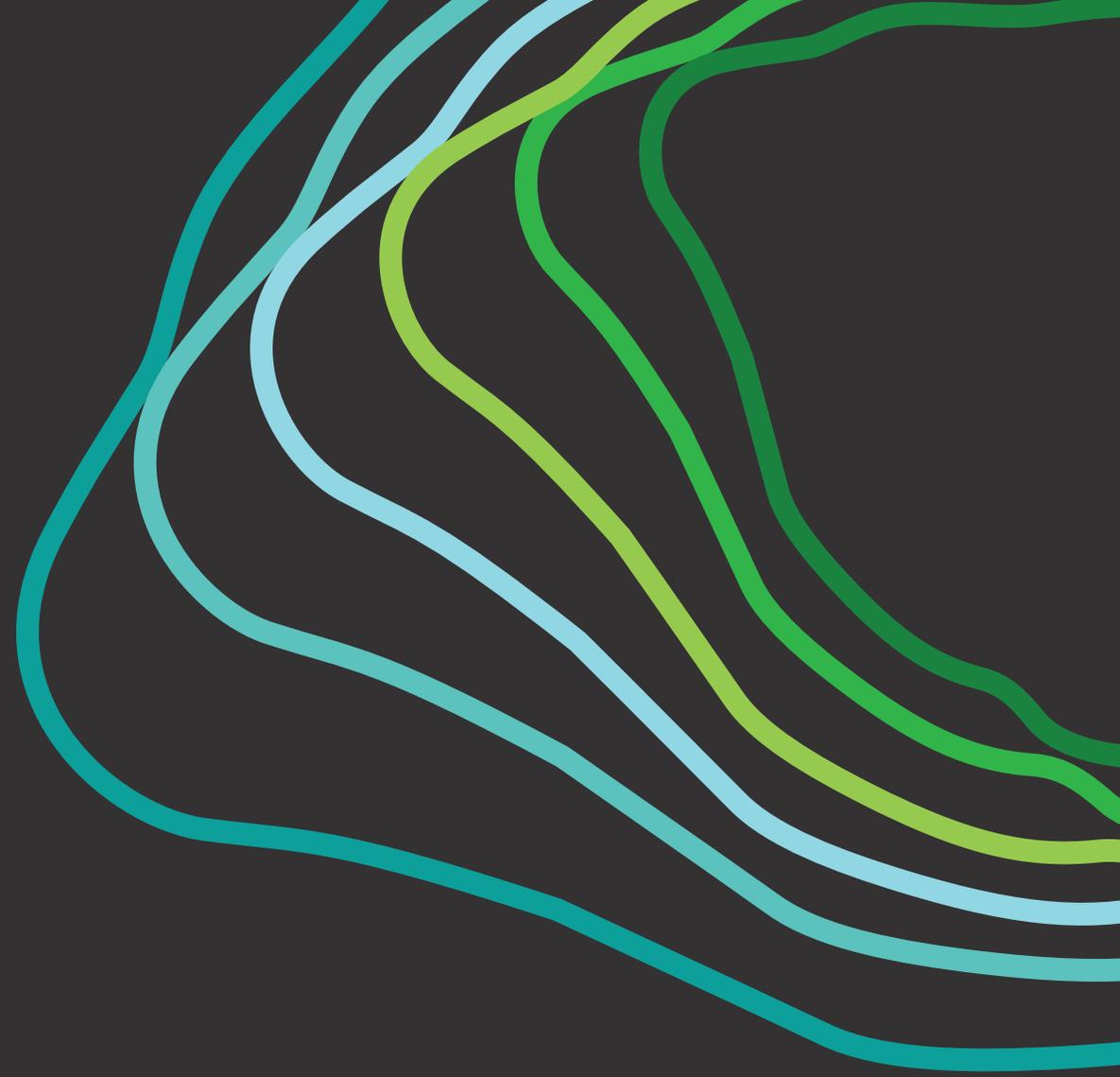




**AgroMag**

By Brucite<sup>+</sup>



## **Recommendations**

AgroMag<sup>®</sup> AktiMax



# Description and application

AgroMag® AktiMax is a new environmentally friendly liquid magnesium fertilizer with a high content of active ingredient (more than 20,9% Mg) and the addition of nitrogen.

The product is a white concentrated stabilized water suspension and is used as magnesium foliar nutrition for crops during the growing season in order to normalize plant metabolism, increase yield, nutritional value of products, and increase plant resistance to diseases in adverse environmental conditions.

Magnesium deficiency causes weakening of plants (especially during periods of drought), disrupts their growth and development, reduces yield, and affects the quality of products. For example, fruit trees can cause shedding of ovaries and fruits.

Therefore, recovering magnesium deficiency in crops is an important task for every farmer and agricultural enterprise.



# How does AgroMag<sup>®</sup> AktiMax work?

The product is diluted in water in the required ratio and applied to the surface of the leaves of plants in the most suitable way.

Once on the leaf, the product is absorbed by the plant due to the very small particle size and elements that activate the magnesium intake of the leaf.

To enhance efficiency, the product contains nitrogen. This technique enhances the growth and development of plants, and at later stages (budding, flowering, pouring grain or fruit formation) it improves the quality of the harvest, as the transport of assimilants to the reproductive organs increases.

The product can be used in the following ways:

- as an independent fertilizer
- together with agrochemicals and / or pesticides.

In both cases the concentrate of the AgroMag® AktiMax suspension must be thoroughly mixed until homogeneous state before use.

**1.** When used as an independent fertilizer, in order to prepare the working solution, you should add the required amount of the concentrated fertilizer to water while constantly mixing it in accordance with the table of application regulations of the product. The product is ready to be used.

**2.** When preparing the mixture, several guidelines have to be noted:

**2.1.** If you plan to use AgroMag® AktiMax together with other fertilizers containing calcium, manganese, zinc, phosphates and ammonium sulfate, we strongly recommend that you first test mix in a small volume (cylinder, glass jar etc.) to make sure there is no conflict between all the components. It is strictly forbidden to add several products at the same time. Before adding the next product it is necessary to rinse the neck of the tank with clean water and also make sure that all the previous components are evenly distributed in water and the mixture is homogeneous.

In the absence of a thickening effect and other visible deviations, the solution can be used. Before applying the new mixture over the entire crop area, it is recommended to check its effect in a small area.

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AgroMag® AktiMax should be added to the mixture last.

An exception is the case when it is planned to use potassium carbonate (potash) in the mixture — in this case AgroMag® AktiMax should be added before potassium carbonate. In the finished mixture, it is necessary to keep the phosphate level not more than 12% ( $P_2O_5$ ) and the magnesium level not more than 2.5% (Mg). An equivalent amount of water should be at least 35% of the mixture.

**2.2.** If you plan to use AgroMag® AktiMax together with pesticides, we recommend that you stick to the following sequence of mixing: pesticides in water-soluble bags and water conditioners — dry forms of pesticides — compatibilizers and defoamers — AgroMag® AktiMax — pesticides in the form of emulsions of oil and water, colloidal solutions — adjuvants — water-soluble forms of pesticides.

Before pouring the new mixture into the tank, it is necessary to carry out a compatibility test in a low-volume container.

Recommended doses of the product AgroMag® AktiMax depending on the cultivated crop are presented below in Tables 1–3.



AgroMag® AktiMax is a concentrated suspension that needs to be diluted with water before use in the ratio which is given in Table 1 and Table 2.

The frequency of use of AgroMag® AktiMax is 1–4 applications per season, depending on the crop type and the level of magnesium in the soil.

*Table 1. Recommended application regulations of AgroMag® AktiMax in agricultural production\**

Crop type	Dosage l/hectare	Water consumption, l/hectare	Way and period of application
Cereal crops	2–4	200–300	Foliar feeding in the tillering phases — shoot grown and in the phase of ripening
Legumes	1.5–4		Foliar feeding in the preflowering phase and at the start of the grain formation
Soy	3–5		Foliar feeding in the 4th trifoliolate leaves phase and at the start of seed formation
Maize	3–6		Foliar feeding at 4 to 6 leaf phase
Sunflower	4–6		Foliar feeding at 4 to 8 pairs of leaves phase
Sugar beet, red (table) beet, fodder beet	4–6	200–300	Foliar feeding at 6 to 8 leaf phase and the next application should be carried out in two weeks
Potato	3–6	200	Foliar feeding at vegetative growth phase (when plants are 6–10 cm) and at tube initiation phase
Field vegetables and vegetables in protected soil	4–5	200–300	Foliar feeding 10–15 days after germination or planting seedlings and then 1–2 times at intervals of 15–20 days
Strawberry	3–5	200–400	Foliar feeding in the spring at the beginning of the resumption of vegetation, in the preflowering phase and after harvest
Fruit and berry crops	3–5	400–1000	Foliar feeding at the preflowering and at fruit and berry formation phases 1–2 times at intervals of 15–20 days

\* on the base of researches

# Application

Table 2. Recommended application regulations of AgroMag® AktiMax for personal use

Crop type	Dosage of application	Stage and features of application
Field vegetables and vegetables in protected soil	25–35 ml/10 l water Consumption of the mix: foliar feeding — 1–1.5 l/10 m <sup>2</sup> ; soil nutrition — 5–10 l/m <sup>2</sup>	Feeding 10–15 days after germination or planting seedlings and then 1–2 times at intervals of 15–20 days
Potato	20–40 ml/10 l water Consumption of the mix: foliar feeding — 1–1.5 l/10 m <sup>2</sup> ; soil nutrition — 4–10 l/m <sup>2</sup>	Feeding at vegetative growth phase (when plants are 6–10 cm) and at tuber initiation phase
Strawberry	25–50 ml/10 l water Consumption of the mix: foliar feeding — 1–1.5 l/10 m <sup>2</sup> ; soil nutrition — 3–7 l/m <sup>2</sup>	Feeding in the spring at the beginning of the resumption of vegetation, in the preflowering phase and after harvest
Flower-decorative cultures, lawn grass	10–30 ml/10 l water Consumption of the mix: foliar feeding — 1–1.5 l/10 m <sup>2</sup> ; soil nutrition — 4–6 l/m <sup>2</sup>	Feeding in the springtime at the beginning of the renewal of the growing season or 2–3 weeks after germination and then, if necessary, 4–5 times with an interval of 10–15 days
Fruit and berry crops	10–20 ml/10 l water Consumption of the mix: foliar feeding — shrubs and trees up to 2 m high — 0.3–0.5 l/plant; trees higher than 2 m — 1.5–3 l/10 m <sup>2</sup> ; soil nutrition — 4–10 l/m <sup>2</sup>	Feeding at the preflowering and at fruit and berry formation phases 1–2 times at intervals of 15–20 days

AgroMag® AktiMax can also be used for seeds treatment before sowing.

The recommendations for use are given in Table 3.

*Table 3. Recommended application regulations of AgroMag® AktiMax for seeds treatment before sowing*

Культура	Dosage of application	Время, особенности применения
Cereals, legumes, industrial, and feed crops	50–70 ml/t Consumption of the mix: 10 l/t	Not earlier than 3 days before sowing (planting) or on the day of sowing
Potato	60–70 ml/t Consumption of the mix: 10 l/t	Pre-sowing treatment of tubers
Field vegetables and vegetables in protected soil	3–5 ml/kg Consumption of the mix: 1–2 l/kg	Soaking seeds before sowing for 30 minutes

# AgroMag® AktiMax advantages

- Provides plant protection against diseases
- Eliminates the lack of pigmentation (coloring) of fruits and berries
- Improves digestibility by plants of phosphorus
- Liquid fertilizer with the highest magnesium content on the market (not less than 20.9% Mg)
- Contains nitrogen, which significantly increases the effectiveness of the fertilizer
- Improves the quality of crop production (the amount of sugars, proteins, starch, vitamin C) due to the restoration and intensification of the photosynthesis process
- An environmentally friendly fertilizer, safe for plants and humans



By choosing AgroMag® products you ensure best technical support for application of product and receive a possibility to develop a custom solution with individual properties.

**Please contact us via request form.**



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