



MAGIC



**Magnesium corrector with micronutrients
complexed with lignosulfonates**

MAGIC

MAGIC is a highly concentrated magnesium solution enriched with micronutrients, complexed with lignosulfonates.

It is specially formulated to boost magnesium uptake which makes it ideal for the efficient prevention and correction of magnesium deficiencies, ensuring maximum photosynthetic activity and quality of fruits and harvest.



Packing size: 200 g, 1 kg, 5 kg

Magnesium is one of the three secondary nutrients required by plants for a normal, healthy growth. The most important role of Magnesium is as the central atom in the chlorophyll molecule, which carries out the process of photosynthesis. It also activates several plant enzymes involved in respiration and nucleic acid synthesis and it aids in phosphate metabolism, serving as a carrier through the plant. Magnesium also facilitates the translocation of carbohydrates (sugars and starches) and enhanced production of oils and fats.

The lignosulfonates present in the formulation will complex the trace elements and magnesium ions to provide a better foliar uptake by the plant and avoid precipitation of these nutrients. It will also provide a good distribution of the nutrients over the leaf surface without the need to use additional adjuvants.

Specifications	Density: +/- 1.45 kg/liter	
	W/W	W/V
Total Nitrogen (N)	7.30 %	9.85 %
Nitric Nitrogen (N-NO ₃)	7.30 %	9.85 %
Magnesium Oxide (MgO), soluble in water	10.00 %	13.50 %
Iron (Fe), EDTA-chelated, soluble in water	0.05 %	0.068 %
Manganese (Mn), complexed with lignosulfonate, soluble in water	0.027 %	0.036 %
Zinc (Zn), complexed with lignosulfonate, soluble in water	0.010 %	0.014 %
Lignosulfonate	3.70 %	5.00 %





Why use MAGIC

- Prevent physiological disorders such as grape stalk necrosis, premature leaf fall in viticulture and pome fruit, interveinal chlorosis in apple and overall stunted growth.
- MAGIC is absorbed extremely rapidly through the leaf surface.
- The lignosulfonates complex the Magnesium and the trace element metals in a much more stable form, avoiding precipitation.
- The presence of ligosulfonates results in a much better wetting and adhesiveness on the foliage. Risk of wash-off after heavy rain is very small compared to simple salts such as Magnesium Sulphate.
- Risk of leaf burning and scorching is decreased compared to similar products.
- Ensures a stable and healthy growth of your crop.

Recommendations

Soil application: 10-15 kg/ha each application every 10-12 days. Add into the nitrates tank.

Foliar application: Apply with 2-5 kg/ha/application. Repeat as recommended.

Never exceed a concentration of 0.5% (5 g/l of water). Always use in sufficient water volume to guarantee full coverage of the foliage. Do not apply during very hot weather or on crops under water stress.

The best application time is early morning or in the evening.

Crop	Rate of use (kg/ha)	Application rates	Application timing
Potatoes	3-5	4-5	Every 10-15 days, from the time the crop reaches 15-20 cm (beginning of tuber formation).
Sugar beet	3-5	1-2	When the crop has 4-6 leaves.
Vines	2-4	3-4	From the beginning of the vegetative growth until the beginning of the ripening, during berry softening. Specially recommended to prevent "Black Stem" disorder.
Fruit trees, olives, citrus	4-6	2-4	Before flowering and 4-6 applications of 2-4 kg/ha, every 10-15 days, starting at petals fall up to a month before picking.
Vegetables	2-4	3	When there is enough foliage, every 7-14 days.
Melon, watermelon, cucurbits	2-4	2	When the crop has 4-6 leaves. During the first appearance of the fruit.
Lettuce, endives	2-4	3	When there is enough foliage, every 7-14 days.
Strawberries	2-4	2	During the stage of green flower bud. At petals fall.
Cereals, corn, beans, sunflower	2-4	1-2	When the crop has 4-8 leaves.

Mixing and application

Fill half of the spray tank with clean water, add the required amount of Magic, fill the tank completely with water and apply without delay. Add first to the sprayer when mixing with other agrochemicals. Clean sprayer thoroughly after use. Always read the label of the partner product before mixing.



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