



# MAGNESIUM SULPHATE MONOHYDRATE

**Magnesium Sulphate Fertilizer**  
**Magnesium (Mg) - 23% | Sulphur (S) - 46%**  
**contains microelements - Manganese (Mn) and Zinc (Zn)**



Nature enhanced  
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**Magnesium Sulphate monohydrate 23% MgO** - a well-known and highly-valued fertilizer incorporating the core principles of fertilization, enriched by microelements.

Get your plants back on the track to success!

Choose the best way to supply your plants with magnesium and sulphur – essential nutrients for proper growth, high quality yields and structural quality.

## Application instruction:

**Magnesium sulphate monohydrate** is designed for foliar nutrition in the form of spray or micro-irrigation systems. May be applied separately or combined with other fertilizers.

To achieve the best results we recommend application of the **Magnesium Sulphate Monohydrate** in the form of a water solution together with appropriate foliar fertilizers, e.g.:

**ActiPlon** – crystalline fertilizers with microelements

**ActiPol** – microelement chelates of: iron, manganese, zinc, copper, molybdenum and cobalt

**ActiCal** – liquid calcium chelate

**ActiBor** – liquid boron fertilizer

**Boron Forte, Super ActiBor** – crystalline boron fertilizers

**Orchard fertilizers:** Activ Start Orchards NPK, Activ Antychlorosis, Activ Fruit NPK

**Vegetable fertilizers:** FlorActiv; Activ ProAmin

**When dissolving, magnesium sulphate monohydrate MgO 23% increases the temperature of the solution, which enhances the effectiveness of the spray.**

## Preparation of a working solution:

In the sprayer tank filled up to half of the capacity with water, with the mixer turned on, dissolve, one by one, **magnesium sulphate monohydrate**, L-Foliar Activ 190 or 360, and other microelement fertilizers (if needed). The solution should be used up within several hours from its preparation. It is recommended to apply **magnesium sulphate monohydrate** according to the dosage information presented in the table. The rest components of the working solution should be applied according to the recommendations of their producers in the bottom level dose recommended.

Nutrients [% m/m]:	
Magnesium (MgO)	Sulphur (SO <sub>3</sub> )
23	46

Microelements (Zn and Mn)

# Magnesium sulphate monohydrate with microelements Zn and Mn

## DOSAGE:

	Crops	Number of treatments	Recommended timing of treatment	Magnesium sulfate concentration	Amount of useable liquid [l/ha]
AGRICULTURAL CROPS	Beetroot	2	1 - 4-8 leaves 2 - 15-20 days after the first spray	2,5 (You obtain a 2.5% solution by dissolving 7.5 kg of the product in 300 liters of water)	200-300
	Cereals	0.5-1.5	1 - start of tillering 2 - blade formation phase		
	Rapeseed	2	1 - start of spring vegetation 2 - green bud phase (beginning)		
	Potatoes	0.5-1.5	1 - formation of side shoots 2 - before flowering		
	Corn	2	1 - 4-7 leaves 2 - 10-15 days after the first spray		
	Field beans and peas	0.5-1.5	1 - 6-8 leaves 2 - before start of flowering		
	Lupin	2	1 - well formed rosette 2 - before start of flowering		
	Pastures and meadows	0.5-1.5	1 - after start of spring vegetation 2 - after each grazing and hay harvest at the time of initial regrowth of pasture sward		
	Tobacco	2	in the vegetation period, every 14 days		
	Hop	0.5-1.5	before flowering and during cone formation		
HORTICULTURAL CROPS	Fruit trees and bushes	2	after flowering, then every 2 weeks, until shoot growth lasts	2	1000-3000
	Vines	0.5-1.5	after flowering (varieties with fruit sensitive to magnesium - spray for the first time 2-4 weeks after flowering) then every 2 weeks	0.5-1.5	500-1000
	Conifers	2	In the case of needle yellowing or browning apply several sprays every 10 days until the symptoms of magnesium deficit disappear	1	300-500
	Horticultural crops	0.5-1.5	Select according to the plants' nutrition requirements, fertilizer recommendations, growth phase and plant condition and soil and climate conditions. Foliar application - apply every 10-14 days.	0.1-0.6	200-300
Fertigation - when preparing the nutrient in tank B dissolve MAGNESIUM SULFATE, mixing intensively, and then add the remaining ingredients. Watering (outdoor) - apply every 10 days, ensuring optimum ground moisture					

## Why Magnesium Sulphate Monohydrate?

- High quality - meet the most demanding requirements of purity
- Unique composition - contains manganese and zinc
- Increases the temperature of the working solution and thus does not expose the plant to the risk of thermal shock
- Great for storage
- Safe for spray filters

## Arkop

We have been active in the feed and fertilizer industry since 1992. Our objective is to manufacture fertilizers deriving the very best nature has to offer... For this reason, our extensive product range entails the latest developments in biotechnology, in particular top-grade chelates.

As a result of our close long-term cooperation with scientific institutes and universities, we have manufactured proven and effective products. We constantly monitor our production process and incorporate the requisite modifications in striving to continue enhancing our offer and aligning it to our customers' needs and expectations.

The Arkop brand name is synonymous with high quality because of our close cooperation with scientific institutes and universities and our innovative technology based on proprietary research and experience. As a result, all our products adhere to the highest standards of quality and environmental protection adopted in the European Union. Currently, we cooperate with customers from around the world.

### For more information:

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