



CHELAL[®] Mo

STRAIGHT INORGANIC MICRONUTRIENT FERTILISER

Micronutrient solution fertiliser

Micronutrient fertiliser, 6,3 % Mo (sodium molybdate)¹

6,3 % molybdenum (Mo), as sodium salt, water soluble

poor in chloride

To be used only where there is a recognized need. Do not exceed the application rate.

Recommendations

Do not exceed the maximum concentration of 0.3 % (= 0.3 L CHELAL[®] Mo in 100 L water). Maximum concentration in greenhouse: 0.3 % (= 500 cc in 100 L water). For foliar applications avoid high temperatures and bright sunshine. Treat preferably during early morning or late evening.

Applications

Consult our crop-related programs.

Role of molybdenum

Molybdenum is an essential part of the enzymes nitratereductase and nitrogenase. The former catalyses the transformation from nitrate to nitrite during nitrate reduction. A fluent nitrate reduction prevents nitrate accumulation in the plant. Nitrogenase is essential for fixing atmospheric nitrogen (N₂) by leguminous crops. This fixation takes place in the root-nodules of these crops by Rhizobium bacteria.

Relative susceptibility to Mo- deficiency

Very susceptible

beans
peas
cabbage
rape-seed
melon
soybean
Brussels sprouts
water-melon

Moderately susceptible

cucumber
kiwi
onion
sunflower
tomato

Less susceptible

cereals
corn
fruit-trees
potato
sugar beet

Symptoms of molybdenum-deficiency

Mo-deficiency is visible as a chlorosis of the leaves, closely resembling (at first glance) nitrogen-deficiency (role of Mo in nitrate reduction). Afterwards, the leaves curl upwards ("spoon form") and the margins wilt. Symptoms first appear on older leaves, but younger ones follow and, in the end, the apex dies. In cauliflower, molybdenum-deficiency causes "whiptail" (leaf deformation)

Characteristics

Its unique formula gives to CHELAL[®] Mo a very high stability in the soil solution. This guarantees a maximum plant availability and an optimum absorption by both leaf and root. Using CHELAL[®] Mo is most effective in young plants.

CHELAL[®] Mo :

- increases nitrogen fixation in leguminous crops.
- decreases nitrate-accumulation in the crop.
- enhances protein synthesis.
- decreases the amount of free amino acids in the plant.
- increases chlorophyll-content.

Precautions

- wash hands thoroughly after handling; do not drink, eat or smoke during handling.
- if swallowed, seek medical assistance.
- in case of contact with eyes, rinse with plenty of clean water.
- store in a cool, dry place, out of reach of children and animals and far away from food products. Always keep the product in its original container.
- store the product at a temperature between 40°F and 90°F (= 5°C - 30°C).
- this fertiliser is to be used only on soil which responds to molybdenum. Crops high in molybdenum are toxic to grazing animals (ruminants).

Miscibility

CHELAL® Mo is miscible with most pesticides and herbicides. Avoid mixing with oil-based products. It is advisable to conduct a miscibility test before application. In case of doubt, consult our technical service.

Preparation of the solution

Sometimes a light sediment can appear on the bottom of the can. This sediment is soluble in water. Shake well before use. Pour CHELAL® Mo into the sprayer tank while filling with water. Continue stirring until the solution is applied.

Warranty

The liability of the manufacturer is limited to delivery of the product in its original container in conformity with the guaranteed analysis, as indicated on this label. The manufacturer is not responsible for inappropriate or inaccurate use of the product nor for damage caused by weather conditions, soil characteristics or special sensitivity of crops and varieties. In no case shall BMS Micro-Nutrients be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer. BMS Micro-Nutrients makes no warranties of merchantability of fitness for a particular purpose nor any other express or implied warranty except as stated above.

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**Authorized in organic production in accordance with EU-regulations 2018/848
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