

PROPERTIES

Mangan-ion is a liquid, acidic solution of concentrated manganese in hydrated ionic form with high absorbability. Its innovative technology allows manganese ions to remain stable and bioavailable until fully absorbed by plant tissues.

A key characteristic of Mangan-ion is its excellent penetration ability when applied foliarly. It is highly effective, rapidly and significantly increasing the manganese content in plant tissues, without staining or discoloring the sprayed plants and organs.

Mangan-ion is used for the prevention and treatment of manganese deficiency in plants. This deficiency is common in alkaline and calcareous soils with neutral or high pH (pH > 7.0), in calcareous soils with high content of peaty organic matter, as well as in acidic and slightly acidic soils due to leaching. Symptoms first appear as faint interveinal chlorosis on the young leaves at the top of the shoots. Gradually, the chlorotic tissue on the leaves turns brown, while dark interveinal spots or bands appear.

Manganese is a component of enzymes that regulate chlorophyll production and is also a structural element of chloroplasts. Its deficiency leads to reduced photosynthesis rates and decreased growth and yield of plants.

Mangan-ion provides immediate manganese to plants, activating chlorophyll production, addressing chlorosis, intensifying photosynthesis, and enhancing plant defense mechanisms. If symptoms of deficiency have already appeared, the leaves that develop after foliar application will not be chlorotic. Additionally, Mangan-ion will correct chlorosis in old leaves.

MANGAN-ION CAN BE USED IN ORGANIC FARMING AND COMPLIES WITH EU REGULATIONS 2018/848 AND 2021/1165.

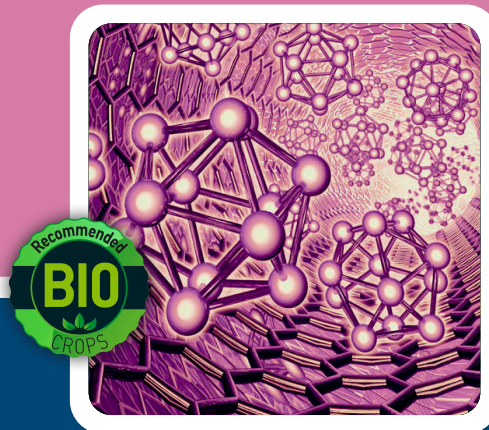
METHOD AND TIMING OF APPLICATION, CROPS

- Mangan-ion is applied to all crops such as vegetables, strawberries, potatoes, legumes, cereals, fruit trees, nut trees, citrus, kiwi, vinus, olives, pomegranates, ornamentals, turfgrass, preventively or therapeutically during the germination period. It creates a homogeneous (without aggregates) and stable aqueous solution. Applied by soil drenching or foliar application, with universal and uniform wetting until runoff.

COMPATIBILITY

- It is compatible with most nutrient and plant protection agrochemicals. Small-scale mixing tests should be conducted with products containing calcium to prevent sediment formation.

PREVENTION • TREATMENT OF MANGANESE DEFICIENCY ENHANCES PLANT DEFENSE



1L

Mangan-ion®
IONIC CONCENTRATED MANGANESE

Prevention • Treatment
of Manganese Deficiency

Fertilizer EC

GUARANTEED COMPOSITION		
	w/v	w/w
Manganese (Mn ⁺⁺)	9,10%	7,74%
Water Soluble Sulphur (SO ₃)	14,40%	12,26%

Representative

AgroCure

www.agrocure.com

DOSAGE

Foliar Application: 50-150ml of Mangan-ion per 100 liters of water, depending on the needs of each crop.

Soil Application: 200-400ml per acre. Repeated applications may be required. Avoid overdosing.

STORAGE CONDITIONS

- Store in its original packaging, at temperatures above -4°C, in a closed warehouse protected from extreme temperatures, fire, and humidity.



CANADIAN TECHNOLOGY

Manufactured at 80 km of the national road Athens - Lamia, Ypato Boeotia.

AGROCURE (tel. 2310 797.262, email: info@agrocure.com) guarantees the quality of the product, but is not responsible for the consequences of improper use. Therefore, carefully read the label before use.

HAZARD STATEMENTS

H314: Causes serious skin burns and eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER/doctor.

Contains: **MANGANESE SULFATE**

UFI PSWS-Y0YJ-6006-VSY7

DANGER

POISON CENTER:
+30 210 77.93.777



RESPONSIBLE FOR DISPOSITION

AGROCURE • VIPE SINDOS • P.C. 57022

t.: +30 2310 797.262 • email: info@agrocure.com