

FOLIAR APPLICATIONS - SEVERE DEFICIENCY

General Information

NutriSol 8% Manganese is a formulation designed for use in soil and foliar applications on crops requiring Manganese. NutriSol 8% Manganese is formulated for both soil or foliar applications. It may be applied in foliar applications to growing crops alone or with pesticides and may also be applied directly to soil alone or with pesticides or herbicides. NutriSol 8% Manganese may be used in drip irrigation systems and is compatible with most water-dispersed pesticides. It may be applied by conventional, low-volume or air application and is recommended for all field, row and vegetable crops. Manganese aids in chlorophyll formation and serves as a catalyst in enzyme reactions such as breakdown of carbohydrates, formation of vitamins and nitrogen transformation. Manganese is also activates certain phosphate-transferring enzymes which in turn affect many metabolic processes.

NOTE: Avoid co-application with phosphate-containing fertilizer solutions. Because of the nature of this product and its ability to substantially reduce spray solution pH, it is recommended that this product not be used in low volume (high concentration) applications with fixed copper fungicides.

DIRECTION FOR USE

This product is compatible with most pesticides and fertilizers. However, a test for compatibility is recommended prior to large scale mixing. Always add NutriSol 8% Manganese to water prior to the addition of pesticides and/or buffering agents. Do not apply in low volume (high concentration) tank mixes with fixed copper fungicides.

Limitations, Restrictions, and Exceptions

FOLIAR APPLICATIONS

NutriSol 8% Manganese can be foliarly applied. Apply up to 4 quarts per acre by ground or air in enough water to provide maximum coverage. A nonionic surfactant can be utilized to enhance coverage and translocation. For crops requiring multiple Manganese applications above 4 quarts per acre, allow 10 to 14 days between applications. For foliar applications, NutriSol 8% Manganese can be applied alone or

in tank mixes with agricultural chemicals and fertilizers. The use of tissue tests is highly recommended to monitor levels of Manganese in the crop. Tissue tests will serve as an aid to establish and maintain correct levels of Manganese for optimum plant growth and will help in avoiding over application.

Conventional Spray Applications: Total amount of NutriSol 8% Manganese may be applied at one time. However, it is recommended that split applications be utilized. Split applications will improve the overall efficiency of uptake. Apply in enough water for good coverage. A nonionic surfactant may be used to enhance coverage.

Low Volume Applications: Apply up to 1 gallon of NutriSol 8% Manganese in a minimum of 10 gallons of water per acre per application. Repeat in 10 to 14 days if higher amounts of Manganese are required.

Aerial Applications: Apply 1 quart in 5 gallons of water per acre per application. A concentration of 1 quart per gallon of spray may be used. However, larger amount of water will improve coverage.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

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Timings

[N.A.](#)