

Manganese 22%

PLANT NUTRIENT

Manganese 22% is ideal for foliar applications for the prevention or correction of Manganese deficiencies in field crops, turf and ornamentals. When applied following label directions this citric acid formulation will provide excellent crop uptake and excellent crop safety.

FORMULATION: 22% manganese sulphate.

PROBLEM CONTROLLED: For correcting manganese deficiencies, where identified based on soil/tissue analysis.

CROPS: Field, vegetable, fruit and nut crops, turf and ornamentals.

RATE: Consult your local agricultural extension advisor for complete rate recommendations. Generally, unless otherwise specified below, apply 1.1-2.2 kg/ha (1-2 lbs/acre) for foliar applications within three weeks of emergence. Some crops recommended at up to 3.4 kg/ha (3 lbs/acre). Timing and rates for split applications are 1.1-1.7 kg/ha (1-1.5 lbs/acre) foliar applied within 3 weeks after emergence, and repeat application before bloom.

FRUIT AND NUT CROPS:

Apples And Pears: Mix 2.2-3.4 kg/ha (2-3 lbs/acre) with sufficient water and apply as a thorough cover spray. Repeat at petal fall and cover sprays at 1.1-2.2 kg/ha (1-2 lbs/acre).

Apricots, Nectarines, Peaches, Plums And Prunes: Mix 2.2-3.4 kg/ha (2-3 lbs/acre) with sufficient water and apply as a thorough cover spray. Repeat at petal fall and cover

sprays at 1-2 lbs/acre. **Caution:** Do not apply more than 2.2 kg/ha (2 lbs/acre) to plums or sensitive varieties with cover sprays.

Cherries: Mix 2.2-3.4 kg/ha (2-3 lbs/acre) with sufficient water and apply as a thorough cover spray. Repeat at petal fall and cover sprays at 1.1-1.7 kg/ha (1-1.5 lbs/acre).

Grapes: Apply 2.2-4.5 kg/ha (2-4 lbs/acre) before bloom as foliage. Add 560 g-1.1 kg/ha (0.5-1 lb/acre) to each pesticide spray. For best results apply 1.7 kg/ha (1.5 lbs/acre) near bud swell and another 1.7 kg/ha (1.5 lbs/acre) when shoots are 10-15 cm (4 -6 inches) long.

Other Fruit And Nut Crops: Mix 2.2-3.4 kg/ha (2-3 lbs/acre) with sufficient water and apply as a thorough cover spray. Repeat at petal fall and cover sprays at 1.1-2.2 kg/ha (1- 2 lbs/acre).

Field And Vegetable Crops Beans: Apply 1.1-2.2 kg/ha (1-2 lbs/acre)-foliage with sufficient water when beans are between the 2nd and 4th trifoliate stage. Apply 1.1-1.7 kg/ha (1-1.5 lbs/acre) with normal pesticide spray programs.

Corn: Apply 1.1-2.2 kg/ha (1-2 lbs/acre) to the foliage. For best results, split the application as follows: Apply 1.1-1.7 kg/ha (1-1.5 lbs/acre) to the foliage within 3 weeks of emergence. Apply 560 g-1.1 kg/ha (0.5-1 lb./acre) with each pesticide application prior-bloom.

Potatoes: In early spring, apply 1.1-1.7 kg/ha (1-1.5 lbs/acre) with sufficient water to give complete coverage. Repeat application within 2-4 weeks especially where deficiency is known to occur.



QUICK SHEET

ALWAYS READ THE LABEL BEFORE USE

Small Grains: Apply 1.1 kg/ha (1 lb./acre) in sufficient water for thorough coverage. Apply within 30 days after planting and before flowering. Split applications are preferred over a single application.

Other Field And Vegetable Crops: Apply 1.1-2.2 kg/ha (1-2 lbs/acre) to the foliage. For best results, split the application as follows: Apply 1.1-1.7 kg/ha (1-1.5 lbs/acre) to the foliage within 3 weeks of emergence. Apply 560 g-1.1 kg/ha (0.5-1 lb./acre) with each pesticide application prior to first bloom or subsequent blooms.

Turf And Ornamentals: Apply to the foliage at 1.1-2.2 kg/ha (1-2 lbs/acre) in no less than 190 L (40 gal) of water. Use a non-ionic surfactant-insure uniform coverage. Apply through drip irrigation systems at 1.1-2.2 kg/ha (1-2 lbs/acre). Do not apply to sensitive ornamentals. If no previous experience prevails, a small test must be conducted prior to application.

WATER VOLUME: Apply in water volume sufficient for foliar coverage. For aerial application, use at least 3.78 L of water for every 454 g (1 lb.) of product.

TANK MIXES: Generally compatible with most chemicals used in crop protection. Always conduct a compatibility test prior to use. Do not mix with Touchdown® or Touchdown IQ®.

TIMING: Varies by crop. Consult local agricultural extension advisor. Foliar application should be made in the early morning or late evening. Foliar application made during hot, dry daytime conditions could result in some foliar burning.

CAUTION: Not recommended for soil applications. Use stainless steel or acid resistant plastic or fibreglass for mixing equipment. Work in a well-ventilated area.

RAINFAST: When completely dry on the crop.

PREHARVEST INTERVAL: N/A.

RE-ENTRY TIME: When spray is completely dry on crop canopy.

PACKAGE SIZE: 11.34 kg.

ADDITIONAL: Not recommended for soil applications. This product may be harmful to plants if misused.

SURFACTANT NEEDED: Use a non-ionic surfactant for turf and ornamentals.

RESIDUAL CONTROL: N/A.

RE-CROPPING: No restrictions.

STORAGE: Keep dry and away from children.

GROUP: Fertilizer.



West: 1-800-561-5444 Ontario: 1-800-265-4624 Quebec & Maritimes: 1-800-361-9369