

System-Manganese™

Helping Nature Work™

System-Manganese™ is a foliar manganese fertilizer. System-Manganese™ can be used at all plant growth stages to correct manganese deficiencies. Proper nutrient balance is critical to maintaining overall plant health and for proper physiological development. Manganese is important in a variety of plant functions such as nitrogen utilization. Manganese enhances color in green fruits, such as Granny Smith apples.

System-Manganese™ is part of Agro-K's System foliar line. The elemental manganese in System-Manganese™ is linked to a unique mobility-ion that enhances the nutrient uptake and mobility within the plant. System-Manganese's special form makes it significantly more effective than standard foliar manganese products that have limited uptake and plant availability. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most fungicides, making them easy to integrate into spray programs.

Guaranteed Analysis

Manganese (Mn) - 3.5%

Derived From

Manganese derived from manganese carbonate

Availability

2.5, 5, 55 and 250 gallon
10, 20, 200 and 1000 liter and bulk

Directions For Use

System-Manganese™ is intended for foliar use only. Foliar: Apply 1 to 2 quarts per acre (2.5 to 5 liters per hectare) with sufficient water for thorough coverage. Spray in early morning or late afternoon. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product. System-Manganese is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System-Manganese with other products, dilute System-Manganese in a full spray tank first before adding other products. System-Manganese should not be mixed with pesticides or other products that are sensitive to low pH solutions.

FOLIAR NUTRIENTS



Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 14 day intervals as needed to correct deficiencies or supplement nutritional requirements.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply one or two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Corn, Beans and Peas

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements. If growing a herbicide tolerant variety apply product with herbicide.

Strawberries

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals or as needed to supplement nutritional requirements.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply the first application 2-3 weeks post emergence. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements

Nut Crops

Apply 1 to 2 quarts per acre (1 to 5 liters/hectare) per application. Apply first application at bud break. Apply subsequent applications at petal fall and nut fill or as needed to supplement nutritional requirements.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply first application at green tip on plums and at pink bud on nectarines and other stone fruit. Apply subsequent applications at 30 day intervals up to pit hardening or as needed to supplement nutritional requirements.

Apples, Pears and Other Pome Fruits

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply first application at green tip or bud break. Apply subsequent applications at petal fall and post thinning as needed to supplement nutritional requirements.

Citrus and Avocados

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply first application pre-bloom. Apply subsequent applications at 30 day intervals up to harvest or as needed to supplement nutritional requirements.

Grapes

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply first application two weeks prior to bloom. Apply subsequent applications as needed and determined by leaf analysis.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 2 quarts per acre (2.5 to 5 liters/hectare) per application. Apply first application pre-bloom. Apply subsequent applications at 7-14 day intervals as needed to supplement nutritional requirements.

