

System™ -ZMag

Science-Driven NutritionSM

System[®]-ZMag is a foliar zinc and magnesium fertilizer that can be used at all plant growth stages to correct zinc and/or magnesium deficiencies. System[®]-ZMag is particularly effective at bud-break, pre-bloom, and post-harvest when plant demand for zinc and magnesium peaks. The elemental zinc and magnesium in System[®]-ZMag are linked to a phosphite ion that enhances the nutrient uptake and mobility within the plant. System[®]-ZMag's special form makes it significantly more effective than standard zinc/magnesium foliar products that have limited uptake and plant availability.

Zinc plays many important functions within the plant. It regulates various hormone functions that are necessary to ensure proper bud break, root and vascular development and optimal leaf size. As the central element in chlorophyll, magnesium is critical in effective chlorophyll development and thus photosynthesis. Peak demand timing for magnesium is early season as leaf and chlorophyll development occurs. Because zinc is critical in leaf development and size, magnesium and zinc are synergistic nutrients needed simultaneously. Field results show applying System[®]-ZMag early season can dramatically increase leaf size, maximizing total photosynthesis surface area – a key factor in a plant's ability to support and size a heavy crop load.

System[®]-ZMag is part of Agro-K's System[®] foliar line. System[®] products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis

Zinc (Zn) - 5.0%
Magnesium (Mg) 1.75%

Derived From

Magnesium Carbonate and Zinc Carbonate

Availability

2.5 gallon

Directions For Use

System-ZMag is intended for foliar use. Foliar: Apply 1 to 5 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F). 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 Agro-K before using this product.

FOLIAR NUTRIENTS



Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 4 quarts per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 14 day intervals or as needed to correct deficiencies or supplement nutritional requirements.

Strawberries

Apply 1 to 4 quarts per acre per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals through first bloom. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Almonds, Walnuts and Other Nut Crops

Apply 1 to 4 quarts per acre per application. Apply first application at pink bud break. Apply a subsequent applications during rapid leaf growth and at hull split. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre per application. Apply first application as first leaves are developing rapidly. Apply 1 to 2 subsequent applications pre-bloom. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications post-harvest.

Grapes

Apply 1 to 4 quarts per acre per application. Apply first application between bud-break and 6" of shoot growth. Apply 1-2 subsequent applications between early shoot development and bloom. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Blueberries

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 4 quarts per acre per application. Apply first application as initial leaves are rapidly developing and may reapply post bloom. Reapply System[®]-ZMag within 2-3 weeks post harvest to prepare canes and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

