

# System-Advance™

## Science-Driven Nutrition<sup>SM</sup>

System-Advance is a foliar fertilizer combining nitrogen, sulfur, zinc, manganese, boron and moly in a phosphite form. System-Advance is designed for use on a variety of row crops to meet peak nutrient demand timing for micronutrients between V-4 and R1. Meeting peak nutrient demand as it begins is critical to maintaining overall plant health, proper physiologically development and maximizing yield. Applying System-Advance early season on conventional and/or glyphosate tolerant crops at critical development stages will prevent and/or correct a variety of micronutrient deficiencies ensuring maximum yield potential.

System-Advance, due to its systemic activity, enhances nutrient uptake and mobility within the plant. Demand for zinc, manganese and boron begin to increase dramatically between v4 & v6 when spring soils that are cold and wet often limit nutrient availability and can hinder root growth. Because System-Advance is phloem active, it provides nutrients in a form that not only satisfies specific nutritional demands, but also promotes strong root and leaf development while encouraging increased moisture and soil nutrient uptake. System-Advance is compatible with glyphosate and most fungicides making it easy to integrate into spray programs without additional field trips.

### Guaranteed Analysis

Total Nitrogen (N) 5.0%  
Sulfur (S) 1.25%  
Boron (B) 0.10%  
Manganese (Mn) 2.0%  
    2.0% Water Soluble Manganese  
Molybdenum (Mo) 0.01%  
Zinc (Zn) 4.0%

### Derived From

Urea Phosphite, Boric Acid, Ammonium Molybdate,  
Manganese Carbonate, Zinc Oxide and Zinc Sulfate

### Availability

2.5 gallon

### Directions For Use

System-Advance is intended for foliar use. Foliar: Apply 1 to 6 pints per acre with sufficient water for thorough coverage. Apply to wet – avoid over-wetting leaves and run-off. If sufficient canopy exists, System-Advance can be applied via center pivot irrigation using a fast lap. System-Advance can be applied at any time during the growing season at 7-14 day intervals for a maximum of 5 times during the growing season. However, applications are most effective when applied early to mid-season when plant demand for key micronutrients is highest. Consult System-Advance Tech Sheet for specific crop recommendations. General application timings on annual crops begin as early as 3-4 leaf stage and continue through early bloom depending on the crop. System-Advance is compatible with glyphosate and most pesticides and can be applied together if compatible.

**FOLIAR NUTRIENTS**



**Suggested Uses**

**Corn**

(Field Corn, Popcorn and Sweet Corn). Apply 2 to 4 pints per application, from v4 thru v12. If growing glyphosate tolerant corn, Sysstem-Advance can be applied with glyphosate. If applying on conventional corn in combination with other fertilizers or pesticides, a compatibility jar test is recommended before tank mixing.

If sufficient canopy is available applications can be made via overhead irrigation preferably utilizing a “fast lap”. Make 1 to 3 applications per growing season. Do not apply more frequently than 7 day intervals.

**Soybeans**

Apply 1 to 3 pints per application. First application should be made at the second to third trifoliate. If growing glyphosate tolerant soybeans, Sysstem-Advance can be applied with glyphosate. If applying on conventional beans in combination with other fertilizers or pesticides, a compatibility jar test is recommended before tank mixing.

**Sorghum & Milo**

Apply 1 to 3 pints with post-emergent herbicides. A compatibility jar test is recommended before tank mixing. If sufficient canopy is available Sysstem-Advance can also be applied through overhead irrigation preferably utilizing a “fast lap”.

**Sugar Beets**

Apply 1 to 4 pints per application. If applying with fungicide or herbicide in a narrow band, use 1 pint per acre. System Advance can be applied with each herbicide application or chemigated via overhead irrigation with sufficient leaf canopy. If growing glyphosate tolerant beets, Sysstem-Advance can be applied with glyphosate. Do not apply more frequently than 7 day intervals.

**Dry Beans, String Beans and Peas**

Apply 1 to 2 quarts per application. Apply anytime from 1st tri-foliolate through bloom. Sysstem Advance can be applied with fungicides and insecticides. If applying with herbicides, a jar test is recommended.

**Alfalfa**

Apply 1-2 quarts per application. Make first application when regrowth is 2 to 3 inches tall or when applying herbicides, fungicides or insecticides. A compatibility check is recommended. Additional applications can be made after each cutting at 3 to 4 inches of regrowth. If applying via overhead irrigation, apply on the second revolution.

**Spring Seeded Small Grains (including crops grown for hay)**

Apply 1-3 pints per acre with herbicide, or just prior to strong foliar growth, and/ or at flag leaf formation. A compatibility jar test is recommended especially if applying with amine formulations.

**Winter Wheat**

Apply 1 to 4 pints/acre with spring fertilizer or herbicide application or through overhead irrigation. A second application can be made from flag leaf formulation through head fill. Sysstem-Advance can be applied with fungicides or insecticides. A compatibility jar test is recommended.

**Cotton**

Apply 1 to 4 pints per application. If growing glyphosate tolerant cotton, Sysstem-Advance can be applied with glyphosate. Do not apply more frequently than 7 day intervals.

