

*Corn*

*Soybeans*

*Sugar Beets*

*Beans*

*Alfalfa*

**System-Ready™**

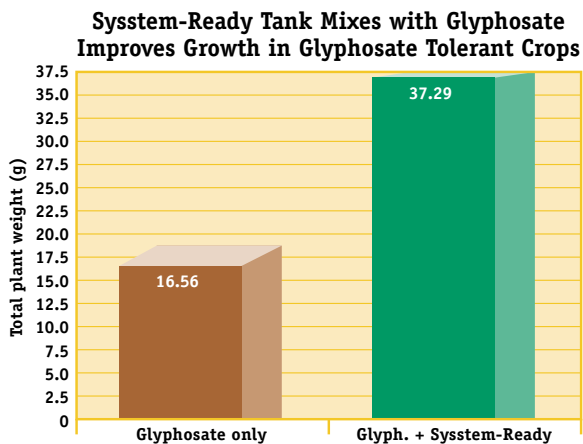
*Glyphosate compatible systemic  
nutrition for row crops*



System-Ready™ is a unique, glyphosate compatible, highly systemic foliar zinc/manganese micronutrient that rapidly penetrates plant tissue to provide plant-available zinc and manganese to developing crops.

## How does it work?

Growing plants experience peak demands for zinc and manganese early in their development cycle, when cold wet soils often limit nutrient availability and hinder root growth. Enabling the plant to meet those nutrient needs during peak demand is critical to maximizing yield potential. Zinc is the cornerstone for leaf, root and vascular system development. Manganese plays a key role in nitrogen assimilation and other bio-chemical reactions. System-Ready™ helps maximize early and rapid plant development by providing highly systemic and bio-available forms of zinc and manganese that can be translocated throughout the plant, when the plant needs them most. Applications of System-Ready™ prior to early season peak demand for zinc and manganese sets the stage for increased yield. The graph below illustrates how early season application(s) of System-Ready™ can dramatically enhance plant development.



Research Conducted by Dr. Phil Westra - CSU 2008  
Average of 4 replicates

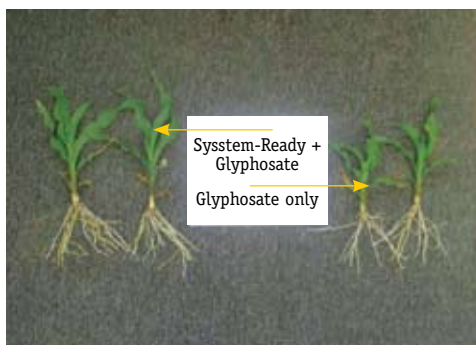
## Root Growth:

---

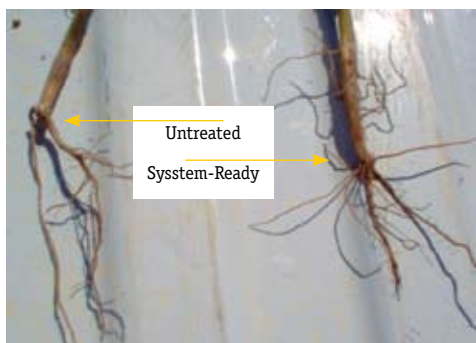
Zinc is extremely important in root development. Spring soil temperatures often limit nutrient availability and consequently root activity and growth. Zinc and phosphorus can be especially difficult for young developing plants to extract fast enough to provide maximum early season growth. To further complicate this situation, high levels of phosphorus and high soil pH can restrict zinc availability even more. Young plants that do not receive adequate zinc during early development are at risk for reduced root mass, leaf size and ultimately - yield.

Foliar application of micronutrients at this time is extremely effective. Because System-Ready™ is phloem active, it provides zinc in a form that not only satisfies the nutrient need, but also promotes strong root and leaf development while encouraging increased moisture and nutrient uptake.

**Corn - System Ready applied at 1qt/acre**

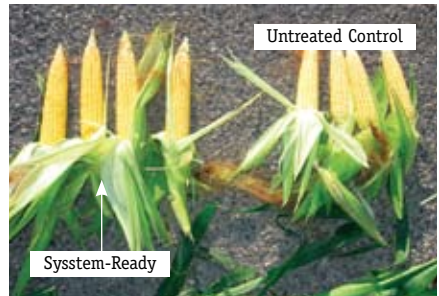
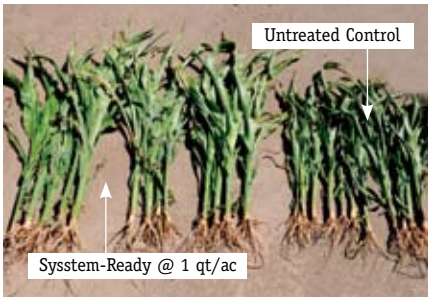


**Dry Bean Roots - System Ready applied @ 1qt/acre**

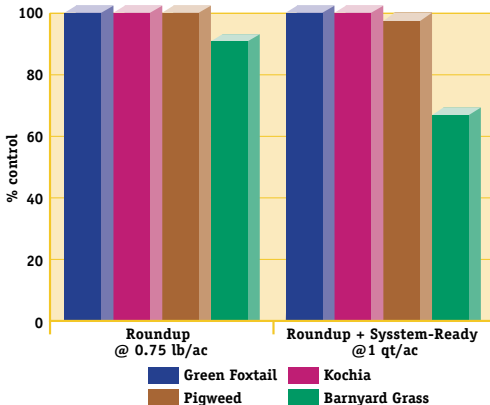


## Benefits for Glyphosate Tolerant Crops:

University research has shown that conventional micronutrients, when applied simultaneously with glyphosate have limited benefit, because the glyphosate molecule is a strong chelator and common metal-based micronutrients such as manganese sulfate, amino acid chelates and other weakly chelated metals are easily bound in tank mixes. This not only can reduce weed control, but it also minimizes nutrient availability. System-Ready™, is designed to be compatible with glyphosate, so growers can save field trips without concern for reduced weed control or nutrient efficacy.

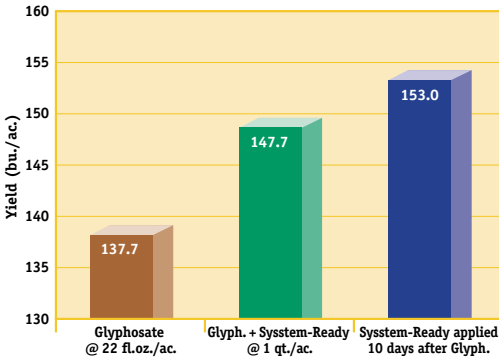


**System-Ready™ Tank Mixes with Glyphosate Provide High Levels of Weed Control**



# Yield Results

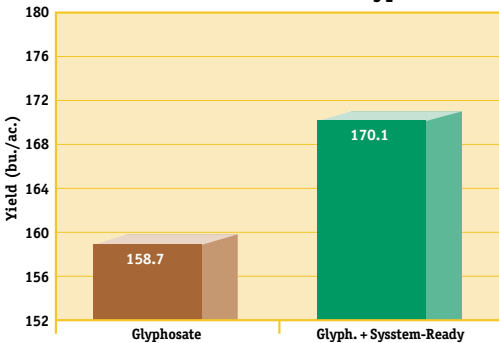
## Effect of Sysstem-Ready on Corn Yield



Research Conducted by Dr. Phil Westra - CSU - 2008  
Average of 4 replicates

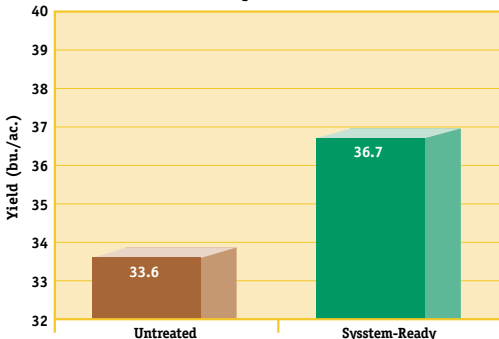
Because Sysstem-Ready™ is phloem active, zinc and manganese are rapidly transported to the developing roots and foliage, where they are needed most to support peak demand. Applied at V-4 to V-6 in corn or R-1 to R-3 in soybeans, with or without glyphosate, Sysstem-Ready™ effectively helps meet peak demand for zinc and manganese, enhancing plant growth, development and maturation. Whether you're growing glyphosate tolerant crops or conventional varieties, Sysstem-Ready™ encourages maximum growth and yield potential.

## Effect of Sysstem-Ready on Corn Yield When Tank Mixed With Glyphosate



System Ready applied at 1 qt./ac.  
Average of 4 plots

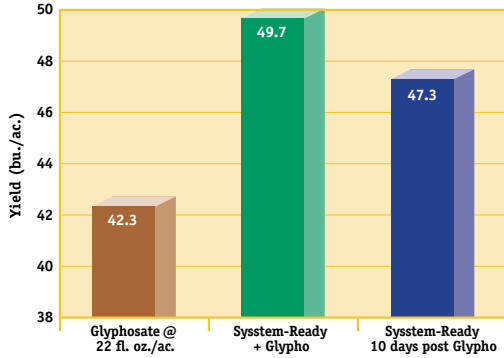
## Effect of Sysstem-Ready on Dry Bean Yield



System Ready applied at 1 qt/ac. at 3rd trifoliolate  
Aerial application

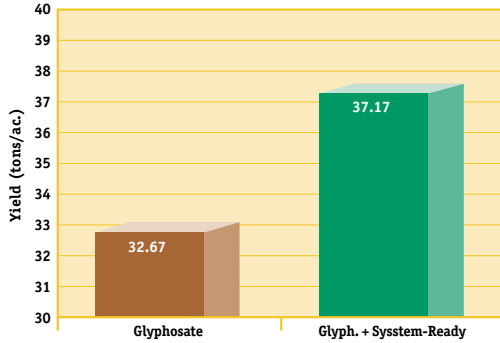
Soybean and sugar beet charts on back.

### Effect of System-Ready on Soybean Yield



Research Conducted by Dr. Phil Westra - CSU - 2008  
Average of 4 replicates

### Effect of System-Ready on Sugar Beet Yield When Tank Mixed With Glyphosate



System Ready applied at 1 qt./ac, in 11 inch band with 2nd glyphosate application



8030 Main Street, N.E.  
Minneapolis, Minnesota 55432-1844  
(763) 780-4116 - Fax (763) 780-4316  
(800) 328-2418  
info@agro-k.com  
www.agro-k.com