



Crystal Green®  
by OSTARA

# Champion 4R Nutrient Stewardship with Crystal Green® Granular Phosphate Fertilizer

**MAXIMIZE THE EFFICIENCY OF YOUR PHOSPHATE FERTILIZER AND  
MINIMIZE PHOSPHATE LOSS TO THE ENVIRONMENT  
BY USING CRYSTAL GREEN**

## RIGHT SOURCE

Crystal Green (5-28-0 w/10%Mg) is a highly efficient, sustainable granular phosphate fertilizer providing superior agronomics while aiding soil health and protecting our environment. Crystal Green is unlike any other phosphate fertilizer in that it is minimally water soluble but is 100% soluble in organic acids, such as those naturally exuded by roots. And it's over 90% plant available throughout the season. It's the only phosphate fertilizer that releases nutrients in response to crop demand, not environmental conditions, such as rainfall or irrigation. Crystal Green significantly reduces phosphate losses from soil fixation, runoff, and leaching, unlike conventional phosphate fertilizers. Crystal Green will improve phosphate use efficiency, allow for reduced rates of P<sub>2</sub>O<sub>5</sub> per acre, and protect sensitive waterways.

## RIGHT RATE

Crystal Green has the highest phosphate use efficiency available. As a result, and under the right conditions, the amount of P<sub>2</sub>O<sub>5</sub> applied per acre can be reduced by 50% or more. Crystal Green's high efficiency supports the global goal of producing more with less.

## RIGHT TIME

Nutrients are required throughout the growing season but most fertilizers require a narrow application window for full efficacy. Whether Crystal Green is applied in the spring or fall, nutrients remain available until they are naturally solubilized by growing roots. Crystal Green's unique solubility allows for a wide application window as nutrients aren't lost to soil fixation or to the environment.

## RIGHT PLACE

Adequate phosphate nutrition is essential for promoting root development and overall plant health. Crystal Green has a low salt index and can be placed on or near the seed without concern of damage to the emerging crop. Placing Crystal Green in the root zone maximizes phosphate availability, allows for reduced rates of P<sub>2</sub>O<sub>5</sub>, ensures critical root interception, and provides needed phosphate throughout the growing season.

## ALL 4R's ALIGN WITH CRYSTAL GREEN®

- ✓ Significantly improved phosphate efficiency allows for reduced rates
- ✓ Continuous phosphate availability throughout the growing season
- ✓ Reduced phosphate fixation from soil fixation, runoff and leaching
- ✓ Flexible application window without the fear of nutrient loss

