



Crystal Green[®]
by **OSTARA**

GROWING SOYBEANS WITH CRYSTAL GREEN[®]

Crystal Green (5-28-0 with 10% Mg) is the only granular phosphate fertilizer that releases nutrients in response to crop demand. With its unique organic acid solubility, delivering phosphorus plus magnesium and nitrogen, Crystal Green enables growers to do more with less, achieving higher yields with fewer inputs and reduced environmental impact.

How Crystal Green Works

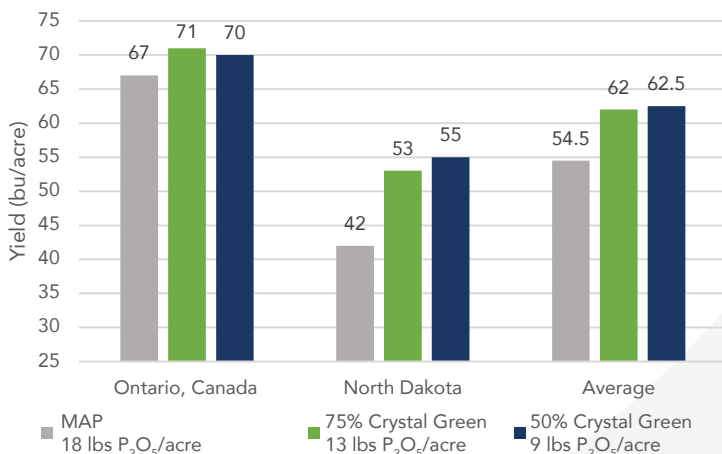
Crystal Green is sparingly water soluble, but highly soluble in organic acids released by roots. As soybean roots naturally exude these organic acids, Crystal Green solubilizes to release nutrients when crops need them throughout the growing season. As crops grow, availability increases as well. Due to this unique solubility, nutrients released from Crystal Green are over 90% plant-available and avoid being lost due to soil tie-up, runoff and leaching.

Greater access to phosphorus from Crystal Green provides soybeans with the nutrients they need for improved plant development and maximum yield potential.

Research Proven Results

Adding Crystal Green fertilizer yields greater results versus grower standard practice. Trials were conducted at several locations with replicated plots applying Crystal Green and MAP at planting.

Results show the additional plant-available phosphorus from Crystal Green resulted in an average of eight bushels per acre.



Full data available upon request



Research shows soybeans prefer to utilize nutrients from Crystal Green compared to other phosphate fertilizers

Increased Root Exudates

Soybeans are unique among commonly grown crops because of how they mobilize nutrients by exuding large amounts of low molecular weight organic acids, such as citrate and malate. These acids allow soybeans to mine the surrounding soil for phosphorus.

Crystal Green is 100% soluble in these types of root exudates, making it an excellent phosphate source for soybeans.

