



Crystal Green[®]
by **OSTARA**



GROWING SUGARBEETS WITH CRYSTAL GREEN[®]

Crystal Green (7-33-0 with 9% 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 is over 90% efficient to enable growers to do more with less, achieving higher yields with fewer inputs and reduced environmental impact.



Research Proven Results

The on-demand access to Crystal Green puts sugarbeets in control of their nutrient needs. Using Crystal Green fertilizer yields greater results versus grower standard practice. Results show the additional plant-available phosphorus from Crystal Green resulted in greater yields at a reduced rate.

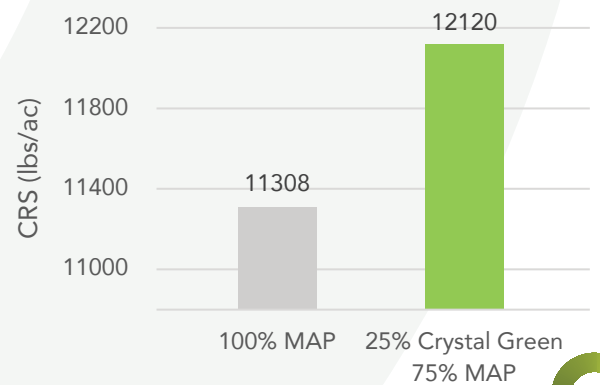
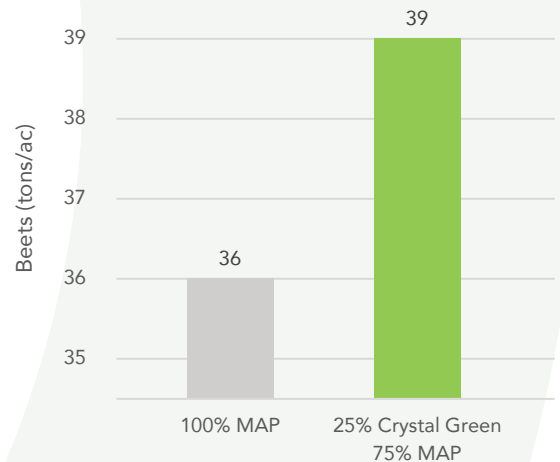
Trials were conducted at several locations with replicated plots applying Crystal Green and MAP at planting over nine site years.

How Crystal Green Works

Crystal Green is sparingly water soluble, but highly soluble in organic acids. As sugarbeet roots naturally exude organic acids, Crystal Green solubilizes to release nutrients when crops need them throughout the growing season. 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.

Meeting the Needs of Sugarbeets

Around 50 days after emergence, sugarbeets begin accumulating phosphorus, essential to maximizing sugar production. By this time, conventional phosphate fertilizers may be lost and not plant available. However, Crystal Green is still available on-demand throughout these critical stages of plant development.



Using **Crystal Green**, growers achieved an additional **three tons per acre** and achieved a **7% increase in commercially recoverable sugar**