



# HERE'S A BETTER WAY TO FEED YOUR CANOLA CROP

Crystal Green® is the first continuous release granular fertilizer to provide Root-Activated™ phosphorus, feeding canola the P it needs all season long; and has a low salt index, reducing seedling injury.

## LOWER SALT INDEX, INCREASED SEED SAFETY

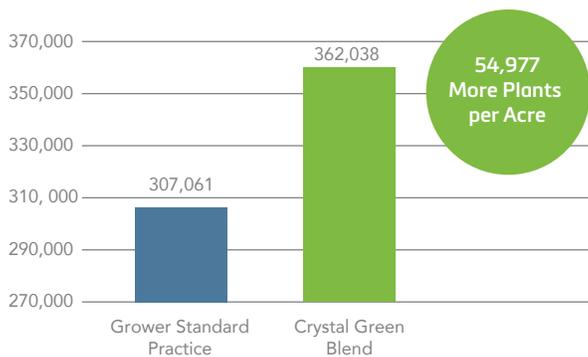
It's a proven fact that the salt index of traditional phosphorus sources, such as MAP and others, cause injury to canola when placed near the seed. This seedling injury reduces stand count and yield. In contrast, Crystal Green's salt index is extremely low, only one quarter of that which is found in MAP. This reduced salt index increases seed safety by reducing salt injury, resulting in an increase in stand count and ultimately, yield.

## SALT INDEX

	DAP	MAP	S15	Crystal Green.
Salt Index	29	27	21	8

## SUPERIOR STAND COUNT

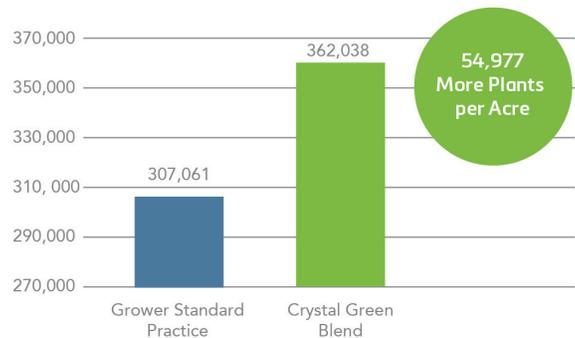
Multi-location Manitoba trials show that adding Crystal Green to a seed placed fertilizer program reduced the salt effects near the seed and increased stand count when compared to the grower standard practice.



Crystal Green Blend Effects on Stand Count (per acre)  
Soil pH = 8.0; Soil Test P = 7 ppm  
AgQuest; Minto, MB; New Era, Swan Lake, MB; 2017-18

## INCREASED STAND COUNT = INCREASED YIELD

Multi-location Manitoba trials show that adding Crystal Green to a seed placed fertilizer program reduced the salt effects near the seed, increased stand count, and resulted in yield increases that averaged 3.9 bushels per acre.



Crystal Green Effects on Yield (bushels per acre)  
AgQuest; Minto, MB; Saskatoon, SK; 2017

## HOW CRYSTAL GREEN WORKS

Crystal Green has a unique Root-Activated™ mode of action; when the plant exudes organic acids Crystal Green releases nutrients. This continuous release of nutrients allows for increased efficiency of phosphorus uptake by the plant while helping to minimize phosphorus tie-up in the soil.

Canola is a phosphorus hungry crop. Until now, too much seed-placed phosphorus has had negative effects on stand and yield. Using Crystal Green in your seed-placed fertilizer blend not only increases seed safety, but also provides season-long phosphorus to your canola fertilizer program.

### GUARANTEED ANALYSIS

Total Nitrogen (N).....5%  
 5% ammoniacal nitrogen  
 Available Phosphate (P<sub>2</sub>O<sub>5</sub>).....28%  
 Magnesium (Mg) ..... 10%

Derivation: Magnesium ammonium phosphate hexa-hydrate (MgNH<sub>4</sub>PO<sub>4</sub>•6H<sub>2</sub>O)

## ATTRIBUTES AND BENEFITS

- ▶ Root-Activated™, continuous release phosphorus with nitrogen & magnesium
- ▶ Low salt index
- ▶ Available in SGN 150 and 300
- ▶ Bulk density = 62 lbs/ft<sup>3</sup> (SGN 150); 50 lbs/ft<sup>3</sup> (SGN 300)
- ▶ Blends easily with all dry fertilizers

## WITH CRYSTAL GREEN, CANOLA THRIVES

When canola receives the phosphorus it needs from Crystal Green, nutrient demands are met throughout the growing season and the seedling is kept safe thanks to Crystal Green's low salt index. This seedling safety translates into increased plant stand and increased yield in your canola crop. In addition, Crystal Green remains plant-available even in extremely low or high soil pH environments so no matter where you plant, your canola crop can thrive.

### Contact your Crystal Green representative:

Justin Miller - Director, Technical Sales

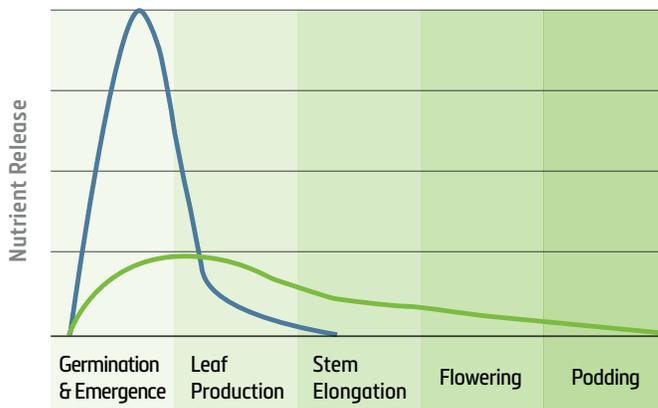
E [jmiller@crystalgreen.com](mailto:jmiller@crystalgreen.com) | T 701.426.2358

## PERFORMANCE GUARANTEED

We are so confident in Crystal Green's performance in your fertilizer blend, that we guarantee it. Through our Satisfaction Promise Program, growers can rest assured that their additional fertilizer investment is protected by signing up at the time of purchase with your Local Fertilizer Retailer.

## NUTRIENT RELEASE CURVE

- Conventional Phosphorus
- Crystal Green®



Source: Accelerated Nutrient Release Study, Applied Chemical Technologies, 2012



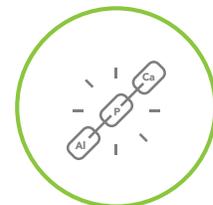
ONE SEASON-LONG APPLICATION



ROOT-ACTIVATED™



INCREASE PLANT STAND & YIELD



MINIMIZES PHOSPHORUS TIE-UP

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CrystalGreen.com

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OSTARA