

CrystalGreen®
5-28-0-10Mg

ALBERTA / MANITOBA



HERE'S A BETTER WAY TO FEED YOUR POTATO CROP

Crystal Green® is the first continuous release granular fertilizer to provide Root-Activated™ phosphorus to feed potato plants in one season-long application.

MORE, HIGHER QUALITY POTATOES

Crystal Green optimizes phosphorus availability by consistently providing tubers with the phosphorus they need, when they need it most. This produces higher marketable yields resulting in a premium potato crop.

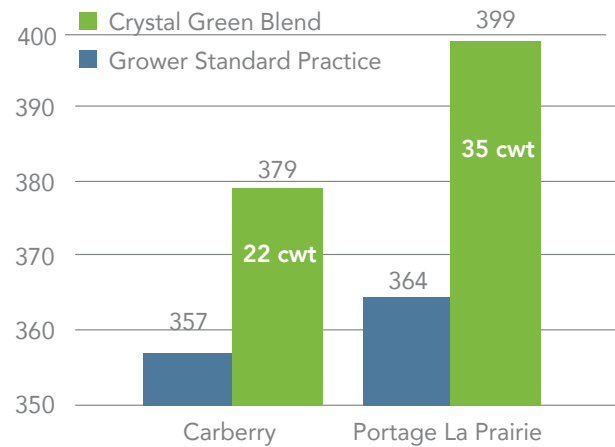


Overall, farmers using Crystal Green have experienced a **28 bag increase in total marketable yield** compared to their traditional fertilizer program.

INCREASE MARKETABLE YIELDS

Research from 2 years of independent grower trials show higher marketable yield.

VARIETY: Russet Burbank
RESEARCHER: Darin Gibson

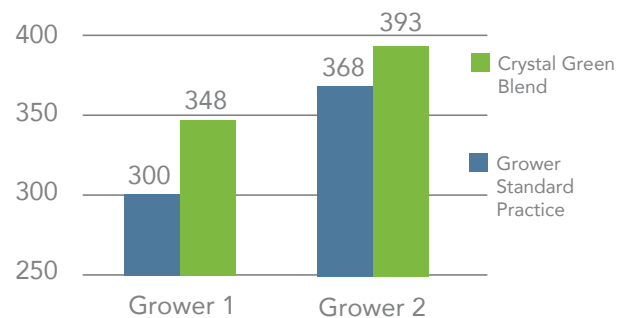


Source: Gibson, Gaia Consulting, Ltd., Manitoba, 2015

WITH CRYSTAL GREEN, POTATOES THRIVE

When potatoes get the phosphorus they need from one season-long application of Crystal Green, nutrient demands are met. Even in high P soils, Crystal Green provides a positive yield response, optimizing nutrient uptake by remaining plant-available. Phosphorus satisfied potatoes produce higher marketable yields without any impact to processing characteristics. With Crystal Green, potatoes thrive.

VARIETY: Russet Burbank
RESEARCHER: Darin Gibson



Source: Gibson, Gaia Consulting, Ltd., Manitoba, 2015-2016

GUARANTEED ANALYSIS

Total Nitrogen (N).....5%
 5% ammoniacal nitrogen
 Available Phosphate (P₂O₅).....28%
 Magnesium (Mg)10%

Derivation: Magnesium ammonium phosphate hexa-hydrate
 (MgNH₄PO₄•6H₂O)

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. This also helps to minimize the phosphorus tie-up that is common in soils of extreme pH.

SALT INDEX

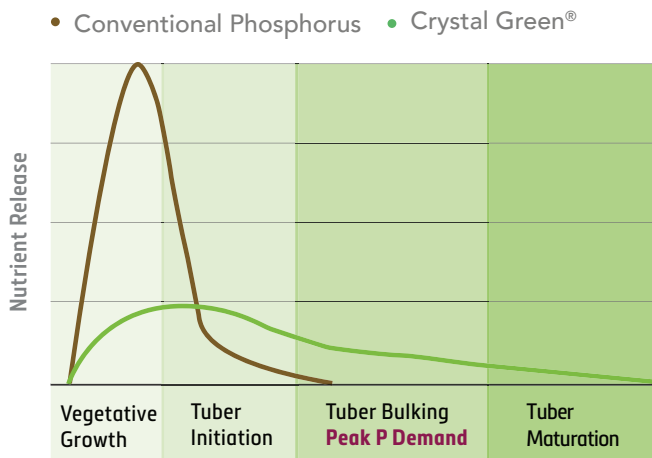
	DAP	MAP	TSP	Crystal Green.
Salt Index	29	27	10	7.7

ATTRIBUTES AND BENEFITS

- ▶ Low salt index
- ▶ Available in SGN 300
- ▶ Available in 2,000-lb totes or bulk
- ▶ Blends easily with all conventional dry fertilizers

NUTRIENT RELEASE CURVE

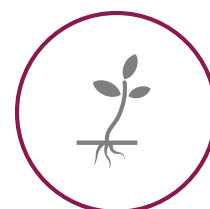
Crystal Green meets peak P demand during bulking by releasing nutrients all season long.



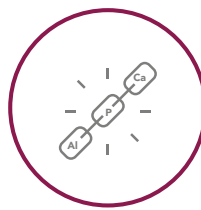
Source: Accelerated Nutrient Release Study, Applied Chemical Technologies, 2012



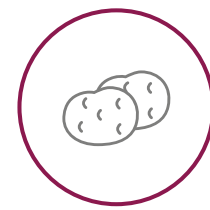
ONE SEASON-LONG APPLICATION



ROOT-ACTIVATED™



MINIMIZES PHOSPHORUS TIE-UP



INCREASED MARKETABLE YIELD

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Crystal Green® is sustainably produced by:



OSTARA