



CrystalGreen®

Enhanced Efficiency Fertilizer

Crystal Green® is the first plant-activated nutrient technology to offer phosphorus, with nitrogen and magnesium, in one slow-release granule. Its plant-available formulation offers season-long release of nutrients with significantly reduced risk of runoff.

HOW CRYSTAL GREEN WORKS

Advanced Plant-Activated Release

- Sparingly water-soluble, Crystal Green is citrate-soluble, dissolving in response to plant's organic acid production, gradually releasing nutrients into the soil solution when roots need it most.

Responds to Plant Demand

- Crystal Green offers more consistent metered nutrient release compared to conventional P, maximizing nutrient efficiency while minimizing nutrient loss.

Season-Long Plant Availability

- Slow-release provides plant-available P all season long with significantly reduced chance of soil tie-up and runoff.

Consistent, Dependable Release

- Crystal Green is not dependent on coatings, temperature, microbes or pH to release, but is dependent on plant demand, increasing efficiency and providing zero risk of coating failure.

FEATURES + BENEFITS

Enhanced Efficiency

- Slow-release, plant-activated formulation
- Minimized risk of nutrient loss & optimized nutrient uptake
- Reduced application frequency

High Performance

- Up to 200 days of nutrient release from one application
- Premium yields for increased return on investment
- Stronger, denser roots; improved color and vibrancy; premium fruiting and flowering

Environmental Benefits

- Significantly reduced risk of leaching and runoff
- Derived from an eco-friendly, renewable source
- Helps protect sensitive local waterways

APPLICATION FEATURES

- Dust-free
- 99.9% pure
- Low-salt index = no plant burn
- Available in SGN 100, 150, 240, 350
- Complements other slow-release fertilizers
- High uniformity index



HEAVY METAL CONCENTRATIONS (PPM)

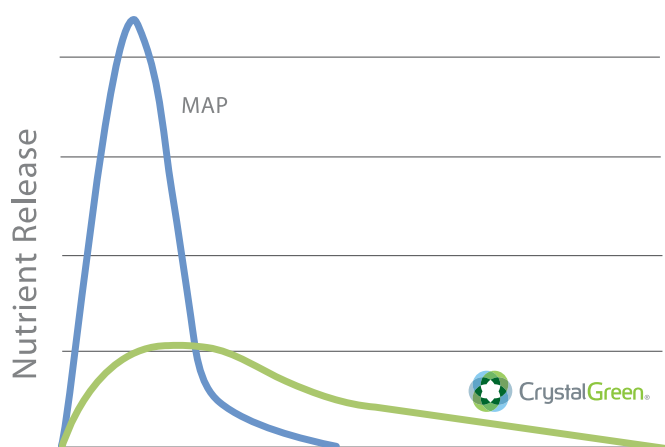
Heavy Metal	AAPFCO Limits	CrystalGreen®
Arsenic	364	< 8
Cadmium	280	< 0.4
Chromium	n/a	< 5
Lead	1,708	< 8
Molybdenum	1,176	< 4
Nickel	7000	< 2
Zinc	11,760	< 2

SALT INDEX

	CrystalGreen®
Salt Index	7.7

NUTRIENT RELEASE CURVE

Crystal Green vs MAP



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

GUARANTEED ANALYSIS

Total Nitrogen (N)..... 5%
5% ammoniacal nitrogen

Available Phosphorus (P_2O_5)..... 28%

Magnesium (Mg)10%

Derivation:

Magnesium ammonium phosphate hexa-hydrate
($MgNH_4PO_4 \cdot 6H_2O$)



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Crystal Green is sustainably produced by:

