



Root-Activated™ Fertilizer

Crystal Green® is the first Root-Activated™ nutrient technology to offer phosphorus, with nitrogen and magnesium, in one continuous release granule. Its plant-available formulation offers a season-long release of nutrients that minimizes tie-up and reduces the risk of leaching and runoff.

HOW CRYSTAL GREEN WORKS

Root-Activated™ Nutrient Technology

- ▶ Crystal Green employs a citrate soluble mode of action which means it releases nutrients in response to plant's organic acid production. This allows Crystal Green to gradually release nutrients into the soil solution when the roots need it most.

Season-Long Plant Availability

- ▶ Continuous release provides plant-available nutrients all season long while minimizing nutrient tie-up, leaching, and runoff.

Consistent, Dependable Release

- ▶ Crystal Green's nutrient release is dependent on plant demand; not on coatings, soil temperatures, microbes, or pH.

FEATURES + BENEFITS

High Performance

- ▶ Premium yields for increased return on investment
- ▶ Stronger, denser roots; improved color and vibrancy

Environmental Benefits

- ▶ Significantly reduced risk of leaching and runoff
- ▶ Derived from a sustainable and renewable source
- ▶ Helps protect sensitive local waterways



APPLICATION FEATURES

- ▶ Available in SGN 90, 150, 300
- ▶ Low salt index
- ▶ Available in 2,000-lb totes or bulk
- ▶ Blends easily with all conventional dry fertilizers
- ▶ USDA CSP approved input
- ▶ AAPFCO approved source of slow release nutrients

SALT INDEX

	DAP	MAP	TSP	Crystal Green
Salt Index	29	27	10	7.7

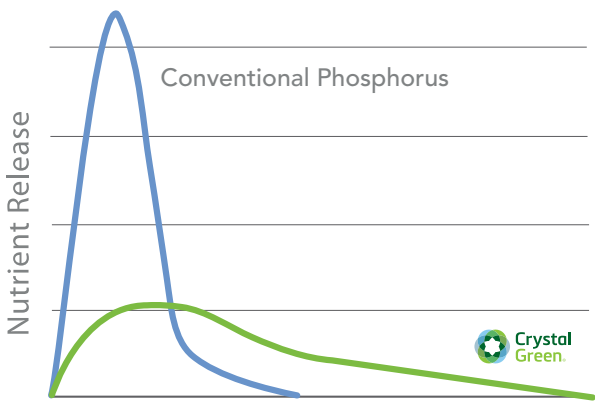
GUARANTEED ANALYSIS

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

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

NUTRIENT RELEASE CURVE

Crystal Green vs. Conventional Phosphorus



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

HEAVY METAL CONCENTRATIONS (PPM)

Heavy Metal	AAPFCO Limits	CrystalGreen.
Arsenic	364	< 2
Cadmium	280	< 0.4
Lead	1,708	< 0.2
Molybdenum	1,176	< 4
Nickel	7000	< 2
Zinc	11,760	< 2



**DENSER
ROOT MASS**



**NUTRIENT
MANAGEMENT**



**ENVIRONMENTAL
STEWARDSHIP**



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Crystal Green® is sustainably produced by:

