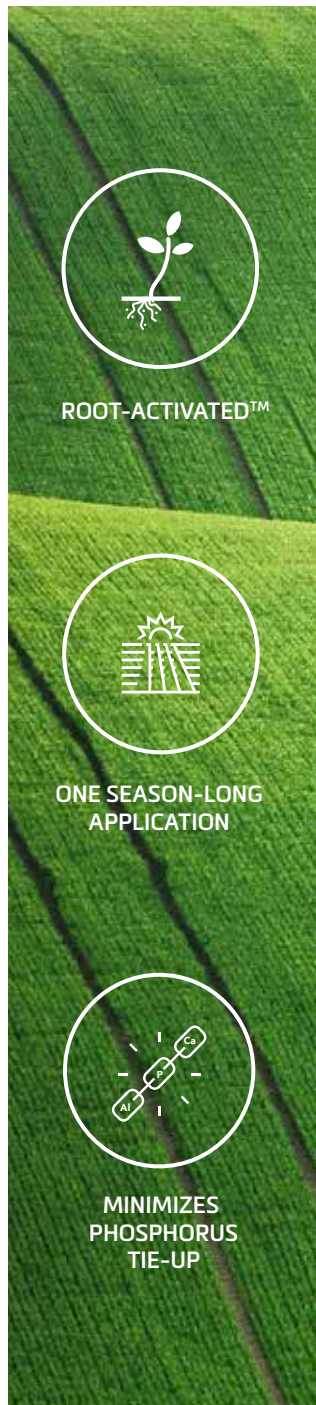




**CrystalGreen®**  
5-28-0 with 10%Mg

## 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

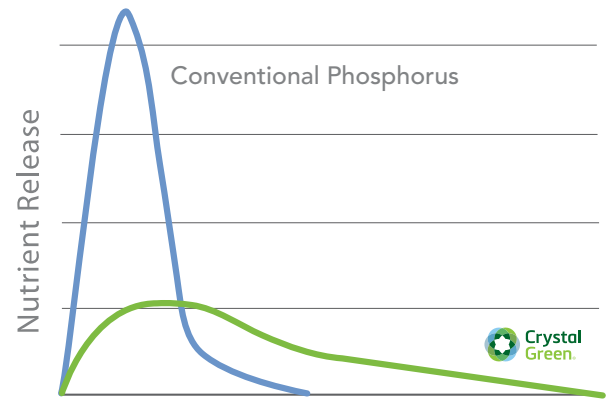
## GUARANTEED ANALYSIS

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

## 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:

