



Enhanced Efficiency Nitrogen Fertilizer

TECH SHEET

PRODUCT OVERVIEW

Grow Source Nitrogen® (GSN) is a high-performance, stabilized urea fertilizer engineered to deliver maximum nitrogen efficiency. GSN® is treated with a proprietary **Multi-Stage Stabilization Technology** that anchors nitrogen in the root zone and shields it from environmental loss. By mitigating both surface volatilization and subsurface leaching, GSN® ensures your crop has access to vital nutrients throughout the most critical stages of growth.

KEY BENEFITS



TOTAL NITROGEN PROTECTION

GSN® utilizes a two-pronged approach to nitrogen management, protecting your investment from both atmospheric loss and water-driven movement.



EXTENDED SURFACE STABILITY

Inhibits the urease enzyme for 14-21 days, allowing for greater flexibility in application timing without the risk of ammonia volatilization.



ADVANCED MICRO-CHAIN TECHNOLOGY

This specialized formulation increases the density of ammonium molecules, creating more binding sites within the soil profile to keep nitrogen in the upper root zone longer.



OPTIMIZED ROI

By reducing nitrogen waste (leaching and denitrification), growers can achieve higher Nitrogen Use Efficiency (NUE) and improved yield stability.



OPERATIONAL EXCELLENCE

The treatment is formulated to be non-corrosive and flowable, ensuring easy application through standard dry fertilizer equipment with minimal dust.

DIRECTIONS FOR USE

GSN® should be applied as part of a comprehensive nutrient management plan based on soil test results.

HANDLING & STORAGE

Store in a dry, well-ventilated area. GSN® is hygroscopic; keep bulk piles covered and avoid exposure to high humidity to prevent clumping. Ensure all application equipment is calibrated and cleaned after use.

GUARANTEED ANALYSIS

Total Nitrogen (N)	46.0%
46.0% Urea Nitrogen	
Available Phosphate (P ₂ O ₅).....	0%
Soluble Potash (K ₂ O).....	0%

Derived from: Urea

Stabilization: Active Ingredients: Enhanced with proprietary NBPT-based Urease and Micro-Chain Binding Technology.

Inactive Ingredients: Copolymer Surfactant

TECHNICAL SPECIFICATIONS

Physical State	Blue-tinted Granular
Bulk Density	45 lbs/cu ft
Solubility	100% Water Soluble
Odor	Minimal/Mild

APPLICATION RATES & TIMING

$$\text{Lbs of GSN® / Acre} = \frac{\text{Target N Units}}{0.46}$$

PRE-PLANT

Broadcast and incorporate or leave on surface for up to 21 days.

SIDE-DRESS

Apply between rows during peak vegetative growth (V4-V8).

TOP-DRESS

Ideal for small grains or cool-season grasses.

