



## **A Different Kind of Nitrogen Product**

One of the main concerns in the fertilizer industry is the fate of nitrogen in the soil and how plants can more efficiently utilize it.

Although it has been in the market for over 20 years, High NRG-N™ addresses these concerns and is considered to be one of the newest and most effective direct application nitrogen sources in the industry. High NRG-N™ is an advanced formulation of all chlorophyll building elements, of which Nitrogen is the largest. High NRG-N™ is produced using multi-forms of nitrogen, sulfur, and trace amounts of Iron, Magnesium, Manganese and Zinc. It has very low free Ammonia content, is stabilized with organic compounds and has been formulated for minimal loss and maximum uptake by plants throughout their critical growing season.

Because conventional nitrogen sources are generally unstable in the soil, the accepted dry-land corn production application recommendations when using them are often more than a pound of nitrogen for each anticipated bushel. Higher recommendations are made because of the fates of nitrogen as it is released into the soil. High NRG-N™ is designed to mitigate the potential negative effects caused by each of these.

- 1. Nitrogen can be complexed into unusable compounds.** *High NRG-N™ protects different forms of nitrogen to minimize this.*
- 2. Nitrogen can be flushed through the soil profile. (Leaching)** *High NRG-N™ is formulated to remain more stable in the soil.*
- 3. Nitrogen can revert to atmospheric N<sub>2</sub> gas through de-nitrification.** *High NRG-N™ utilizes proprietary processes to help control the rate and timing of the de-nitrification process.*
- 4. Nitrogen can stabilize through the combination with organic matter.** *High NRG-N™ IS stabilized with organic compounds.*
- 5. Nitrogen can be attracted to negatively charged root hairs and be absorbed by the plant. (Ammonium NH<sub>4</sub><sup>+</sup>)** *High NRG-N™ has a low salt index that allows better absorption.*
- 6. Nitrogen can be complexed with other compounds and used by the plant at a later date.** *High NRG-N™ utilizes technology that delays usage until the crop needs it.*

High NRG-N™ is the low-salt, managed release, total nitrogen package ready to go to work as soon as the chlorophyll part of the plant appears above the ground and photosynthesis starts to take place.

For state specific information please contact the corporate office at 800-678-9029.