



SmartNitrogen

Controlled Release Fertilizer

A *smarter* source of nitrogen.  
A *smarter* way to grow.



# Notes from the Field

## Dyna-Gro Seed® is Finding Differentiated Hybrid Responses to ESN's Controlled Release Technology

### Recent studies conducted at Monsanto's Research Farm in Conover, Ohio

showed distinctive differences between ESN and 28% nitrogen applied on 10 different Dyna-Gro hybrids. Mick Schonauer, product manager for Dyna-Gro, stated hybrid genetics could differ in their response to nitrogen availability. Late flowering hybrids like 57V43 have a greater need for nitrogen later in the season, compared to an early flowering hybrid like V4993VT3. By matching late flowering hybrids with an ESN program, growers can get a larger return on their investment in both seed and nitrogen.

A similar replicated study conducted at the Dyna-Gro research farm in Mt. Sterling, OH, resulted in a 12 bushel per acre yield advantage to ESN compared to 28% nitrogen. The difference is ESN delays the release of nitrogen, so it stays in the soil longer. This results in more nitrogen availability when corn needs it the most. This delayed release was extremely important in 2008, when excessive spring rains caused significant nitrogen loss in many fields.

### How can we help?

To make ESN a part of your spring nitrogen program, contact an authorized retailer or Agrium representative.

#### Agrium Advanced Technologies

Cedar Rapids, Iowa  
(319) 294-4830

ESN Sales Representative:  
**Mark Mangin**

Breese, Illinois

(618) 526-7728

ESN Sales Representative:  
**John Niemeyer**

DeWitt, Michigan

(517) 669-5499

ESN Sales Representative:  
**B.J. Bilas**

For technical information, our agronomists can be reached during business hours.

#### Agrium

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#### Online Training

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