



FACTS FROM THE FIELD

ESN Takes the Worry Out of Nitrogen Management

Delayed Planting? Wet Soils? Concerned about crop safety when planting after anhydrous ammonia injection? Universities and seed companies all recommend applying ammonia as deeply as possible to prevent crop injury. But what if soil conditions and spring time constraints prevent proper ammonia application? How much yield is lost from late planting if ammonia injection must be delayed? What is the cost in crop safety if ammonia cannot be properly applied?

ESN can save time, protect against N loss, and speed up your spring operations – no waiting for ESN to become “safe”. Anhydrous ammonia is a good, economical nitrogen fertilizer, but improper application or improper soil conditions can lead to crop injury and N loss. And ammonia injection is expensive and time-consuming leading to planting delays. Ammonia injection may cost as much as \$15-20 per acre and treat less than half as many acres per day as broadcasting, every day of which is a day delay in planting.

There is no exact safe waiting period following ammonia injection. Injury may occur even when planting several weeks after application if injection is too shallow. Research has shown that corn planted on ammonia injection bands was susceptible to stand loss, root pruning, and/or stunting if ammonia was injected less than 8-10 inches deep.

ESN Smart Nitrogen may be your best option. ESN is a polymer-coated, controlled-release nitrogen fertilizer that encapsulates your nitrogen inside a protective coating and releases nitrogen as the crop needs it.

- *Broadcasting ESN is fast and economical, saving time and money.*
- *ESN can be applied in a wide range of conditions.*
- *ESN can be top-dressed after planting so no need to delay planting.*
- *ESN's controlled release is safe for the crop.*
- *Crop can be planted immediately after ESN application – no waiting necessary.*
- *ESN protects against N losses in wet soils and/or with excess rainfall.*

Contact your ESN dealer or ESN representative to place your ESN order today and get planting.

For discussion of proper ammonia application, see also:

<http://bulletin.ipm.illinois.edu/print.php?id=1477>

<https://crops.extension.iastate.edu/cropnews/2013/05/apply-nitrogen-or-plant-corn>

<https://www.pioneer.com/home/site/us/agronomy/library/anhydrous-ammonia-seedling-injury/>

<http://agrigold.com/Universal/Articles/Avoid-Anhydrous-Injury-in-Corn/>

ENHANCED EFFICIENCY FERTILIZER
A **SMARTER** SOURCE OF NITROGEN,
A **SMARTER** WAY TO GROW.®



How can we help?

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

For more information:
www.SmartNitrogen.com

ESN Representative:



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