

Instinct[®] HL

PROTECTS NITROGEN AT THE PLANT ROOT ZONE

NITROGEN STABILIZER



Instinct[®] HL nitrogen stabilizer

- Encapsulated nitrogen stabilizer
- Optimizes yield potential when used with liquid nitrogen, liquid manure and urea
- Instinct[®] HL is water based and mixes well with UAN solutions fertilizer
- Dow AgroSciences nitrogen stabilizers are the only EPA approved nitrification inhibitors in the market
- Compatible with most herbicides and insecticides
- Must be incorporated within 10 days by either ½ inch of rain or mechanical incorporation

How does Instinct[®] HL work?

Instinct[®] HL inhibits the *Nitrosomonas* bacteria in the soil, keeping nitrogen in the stable ammonium form longer and protected from leaching and denitrification.



Mixing

Instinct[®] HL can be tank-mixed with the following fertilizers:

- UAN (such as 28% and 32%)
- Ammonium sulfate (AMS)
- Liquid manure
- Aqua ammonia
- Liquid fertilizers containing N, phosphorus and potassium (such as 10-34-0)

Instinct[®] HL can also be impregnated onto urea and most dry ammoniacal fertilizer blends.

- Ammonium containing dry fertilizers, (such as MAP or DAP)

Application rates

Spring applications:

- 24 ounces per acre

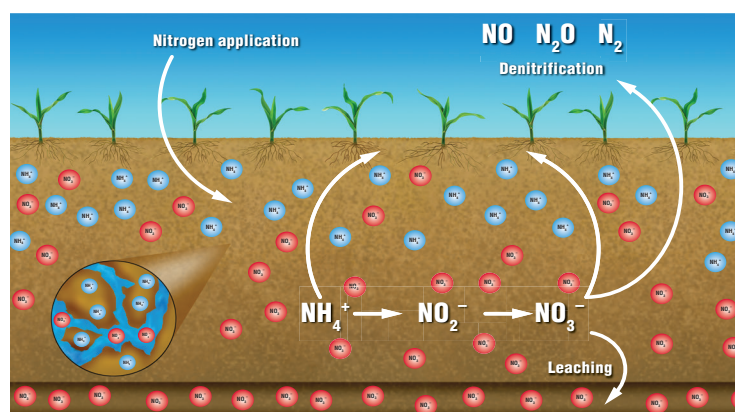
Fall applications:

- 24 to 48 ounces per acre

Sidedress applications:

- 12 to 24 ounces per acre

What happens to unstabilized nitrogen?



When do nitrogen losses occur?

Most nitrogen losses occur during the spring:

- Spring rains and warm soil temperatures lead to heavy losses through both leaching and denitrification
- Stabilizing with Instinct[®] HL greatly reduces both leaching and denitrification protecting nitrogen in the root zone

Stabilize fall and spring nitrogen applications to protect against spring rainfall events that lead to nitrogen losses.

Stronger, healthier plants

- Increased yield
- More natural dry down
- Increased grain test weight

For more information about Instinct[®] HL visit NitrogenMaximizers.com or contact your local Dow AgroSciences Territory Manager.