

Facts From the Field

ESN[®] Provides Extra Grazing in Winter Ryegrass

Reduce the risk of nitrogen loss and improve ryegrass production during the winter growing season.

Advantages of ESN demonstrated through the study:

REDUCED RISK OF NITROGEN LOSS

- ESN can be applied when there is no rain in the forecast.
- Fact: It didn't rain for five weeks after ESN was applied at planting.
- ESN only applied TWICE vs. four applications with urea (after each grazing).

ENHANCED FORAGE GROWTH

- ESN provided an extra grazing.
- Six grazings with ESN vs. five grazings with urea with urease inhibitor.
- Over 1,000 pounds of extra forage per acre.
- ESN showed faster regrowth after grazing.

43 inches of rainfall during this study!

LSU-Alexandria Winter Ryegrass Study

The following study was conducted at LSU-Alexandria and was designed to evaluate ESN as a controlled-release fertilizer source for winter ryegrass, and demonstrates increased winter forage yield through better N-use efficiency.

- Ryegrass planted at 40 lb/ac. on September 23, 2015.
- According to soil test results, applied TSP to all plots at planting.
- LSU recommends 150-180 lb N/ac./season.
- 75 lb N (ESN) at planting/remaining 75 lb on January 1, 2016.
- Urea and urea + urease inhibitor was applied after each grazing.
- Plots surrounded by electric fencing.
- Plots were "flash" grazed using 16 mature cows when ryegrass height reached 8-10 inches.



ESN SMART NITROGEN

- Enhances nitrogen use efficiency
- Improves crop yield and quality
- Provides convenience through ease of use
- Environmentally responsible



HOW CAN WE HELP?

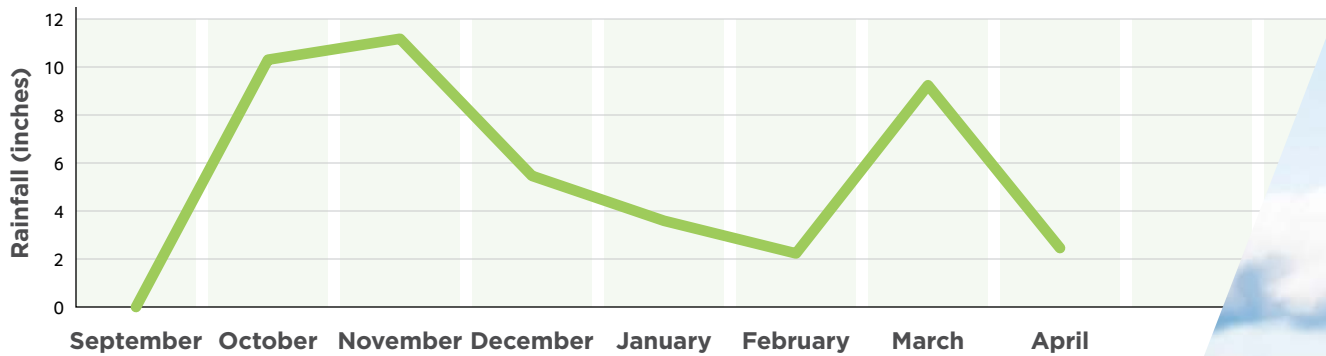
To make ESN a part of your nitrogen management program, contact an authorized retailer or ESN representative.

FOR MORE INFORMATION:

www.SmartNitrogen.com

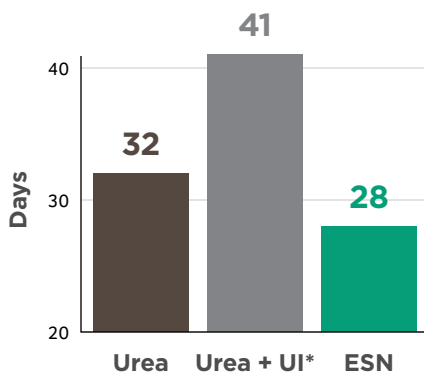
ESN REPRESENTATIVE:

Rainfall Totals per Month (2015-2016)

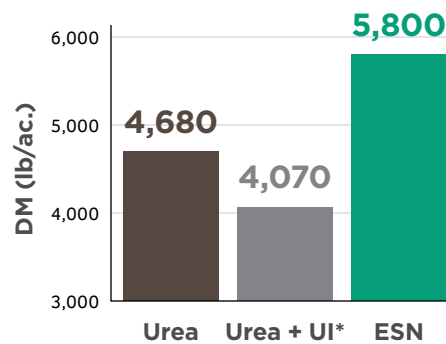


Faster Regrowth, More Grazing Time, Greater Yield

Time Between Grazings



Total Forage Yield



Treatment	Grazings/Season	Yield/Grazing (lb/ac.)
ESN	6	966
Urea + UI*	5	936
Urea	5	814

* UI: Urease Inhibitor



Learn more about the industry's leading environmentally smart nitrogen at www.SmartNitrogen.com

Nutrien