

Facts From the Field

ESN® Maintains Leaf Nitrogen Levels in Irrigated Cotton Production

An Arkansas study demonstrates ESN is more effective in maintaining plant nitrogen (N) content through the growing season. ESN protects N from loss inside its unique protective coating and supplies N to the crop when it is needed. The result is a healthier cotton plant.

Cotton plants need N throughout the growing season. Most N uptake by a cotton plant takes place in the period about 40–80 days after planting and continues up to 140 days after planting. ESN may be used to meet this long-season demand.

In this Arkansas study, ESN maintains cotton leaf N content later in the season when conventional urea runs out. A blend supplying 75% of the total N as ESN within two weeks before planting, also the highest yielding treatment in the study, was sufficient to maximize leaf N late into the growing season.

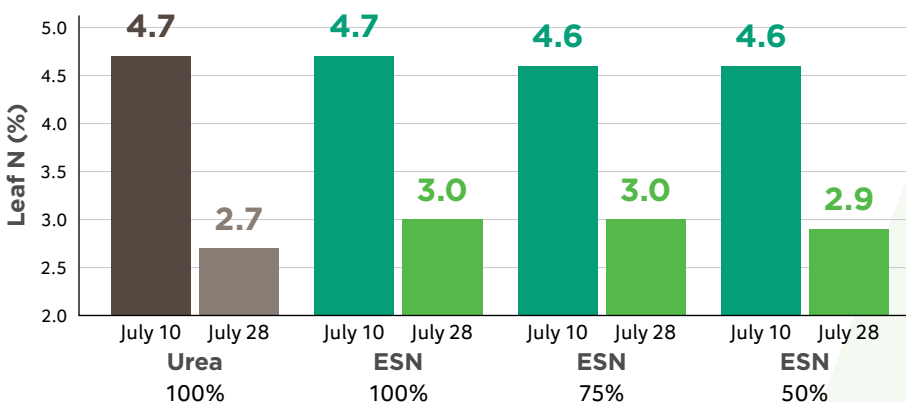


ESN SMART NITROGEN

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



Cotton Leaf Nitrogen at Two Sampling Dates



- 2011 study conducted by Dr. Morteza Mozaffari, University of Arkansas
- Furrow irrigated on fine sandy loam
- All N was applied within two weeks prior to planting to supply the needs of the plant for the entire growing season

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:



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

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