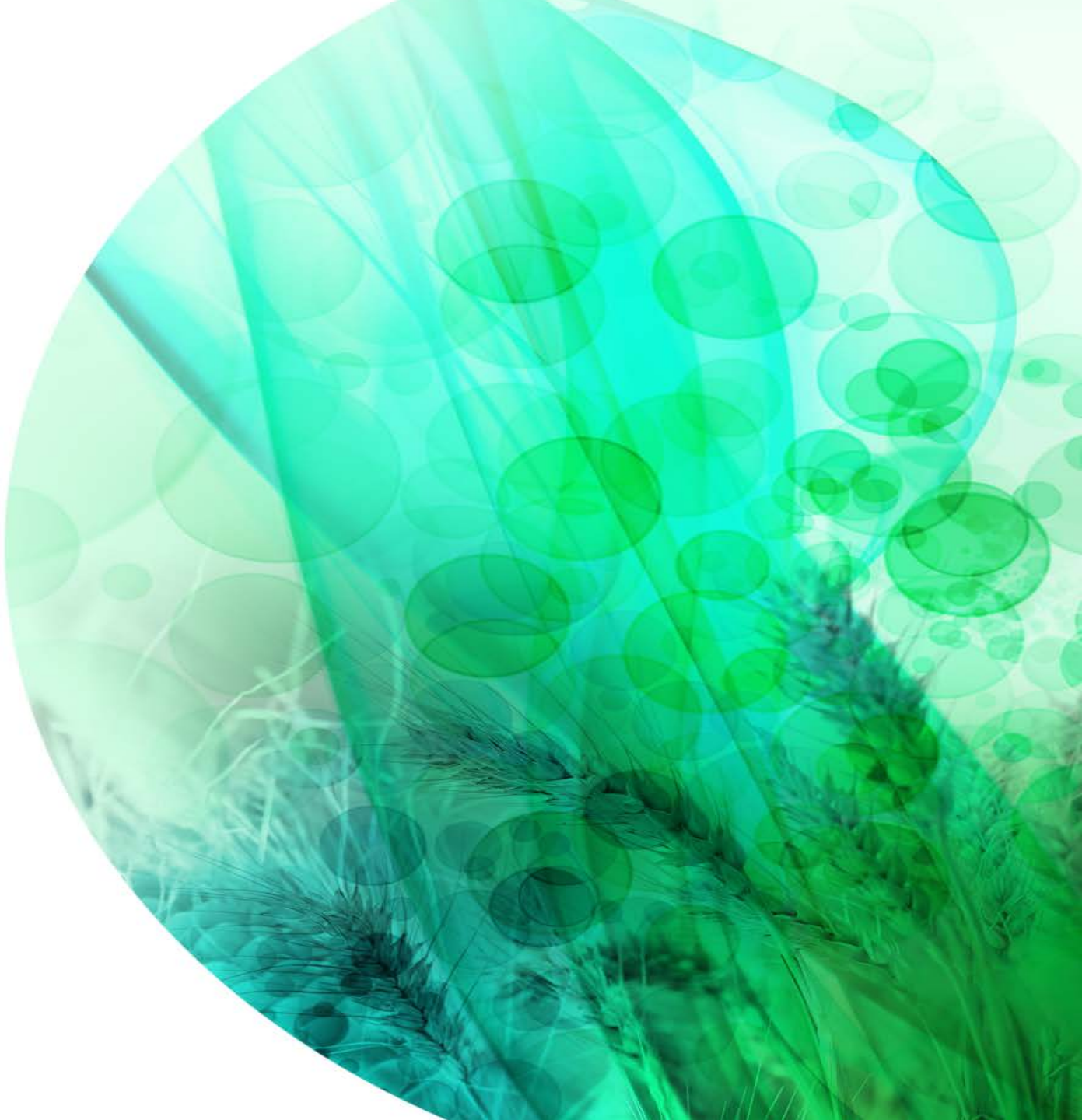


ESN®
SmartNitrogen

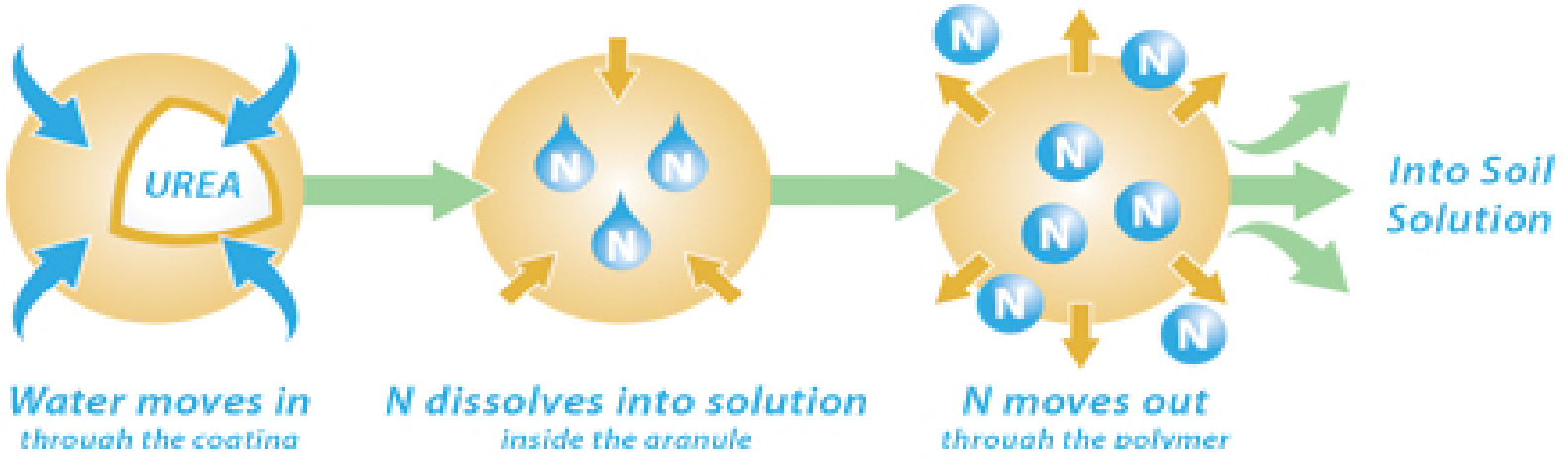

**Kelly Dupont**

985.241.1355

kdupont@NUTRIEN.com


Nutrien™

# How Does ESN Work?




Urea partially dissolved; some solid urea remains

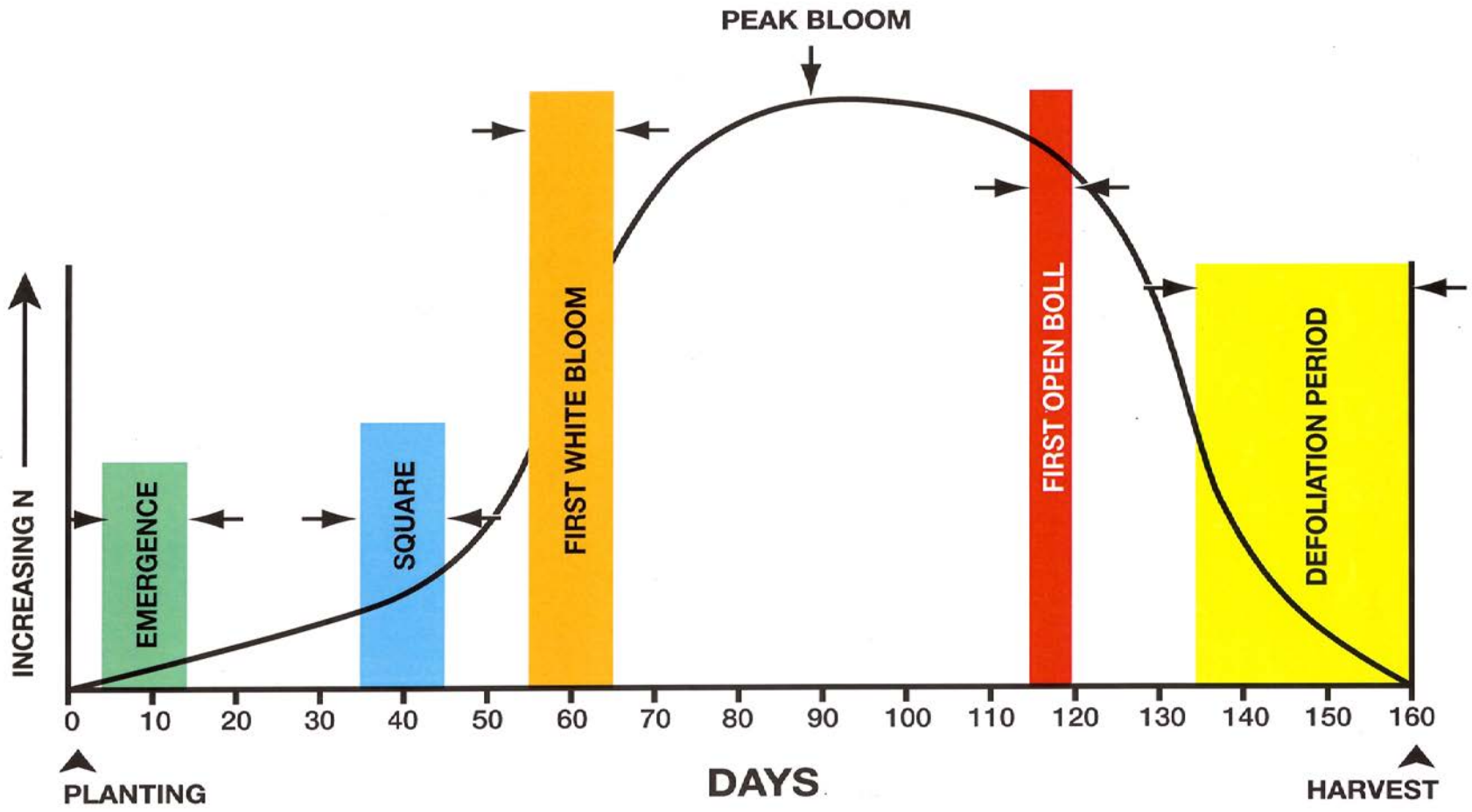
Urea still solid

Empty ‘capsules’

Urea completely dissolved

ESN® SmartNitrogen

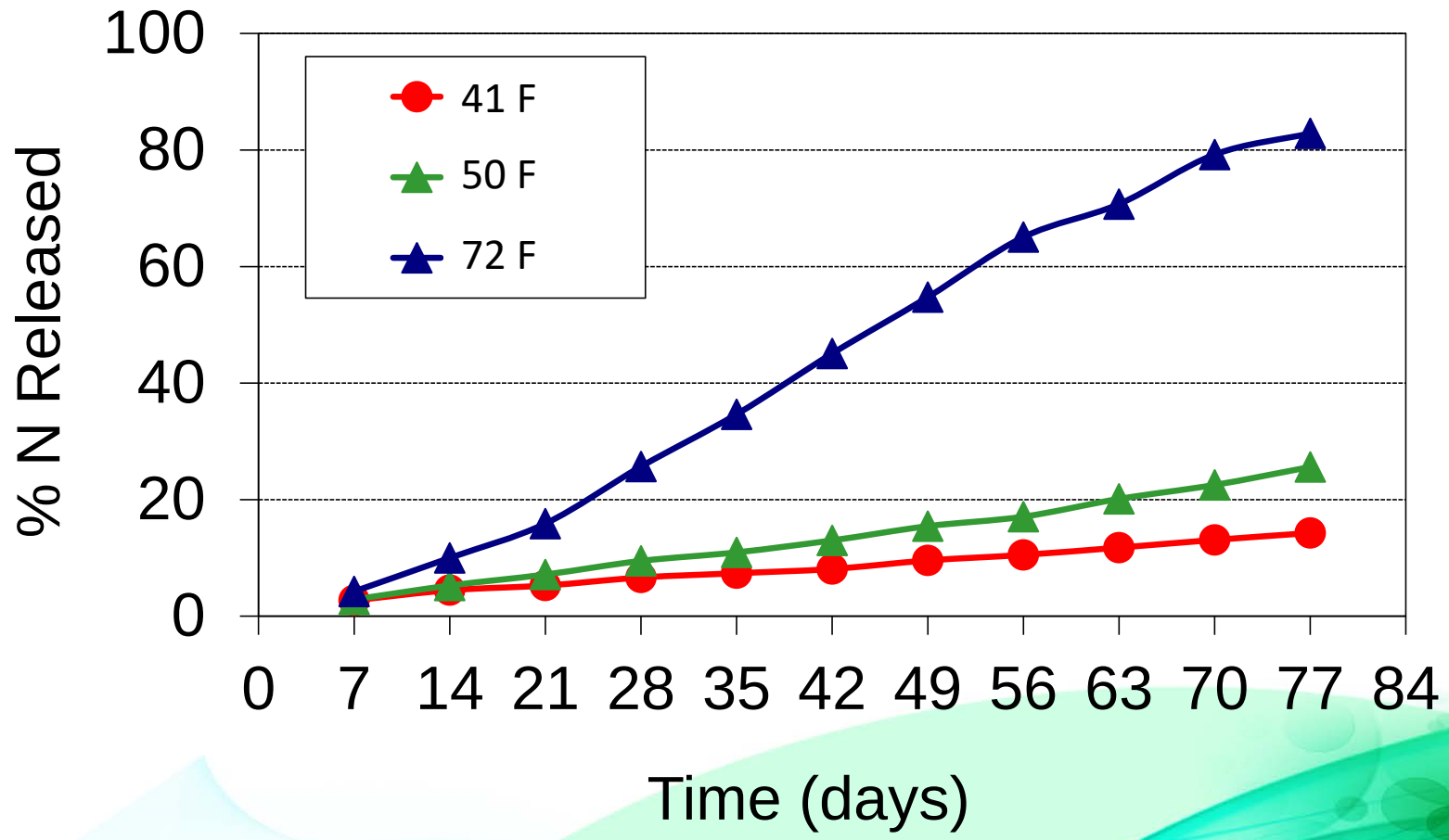
# Typical N Uptake By the Cotton Plant




Source: Dr. G Harris, Univ of Georgia

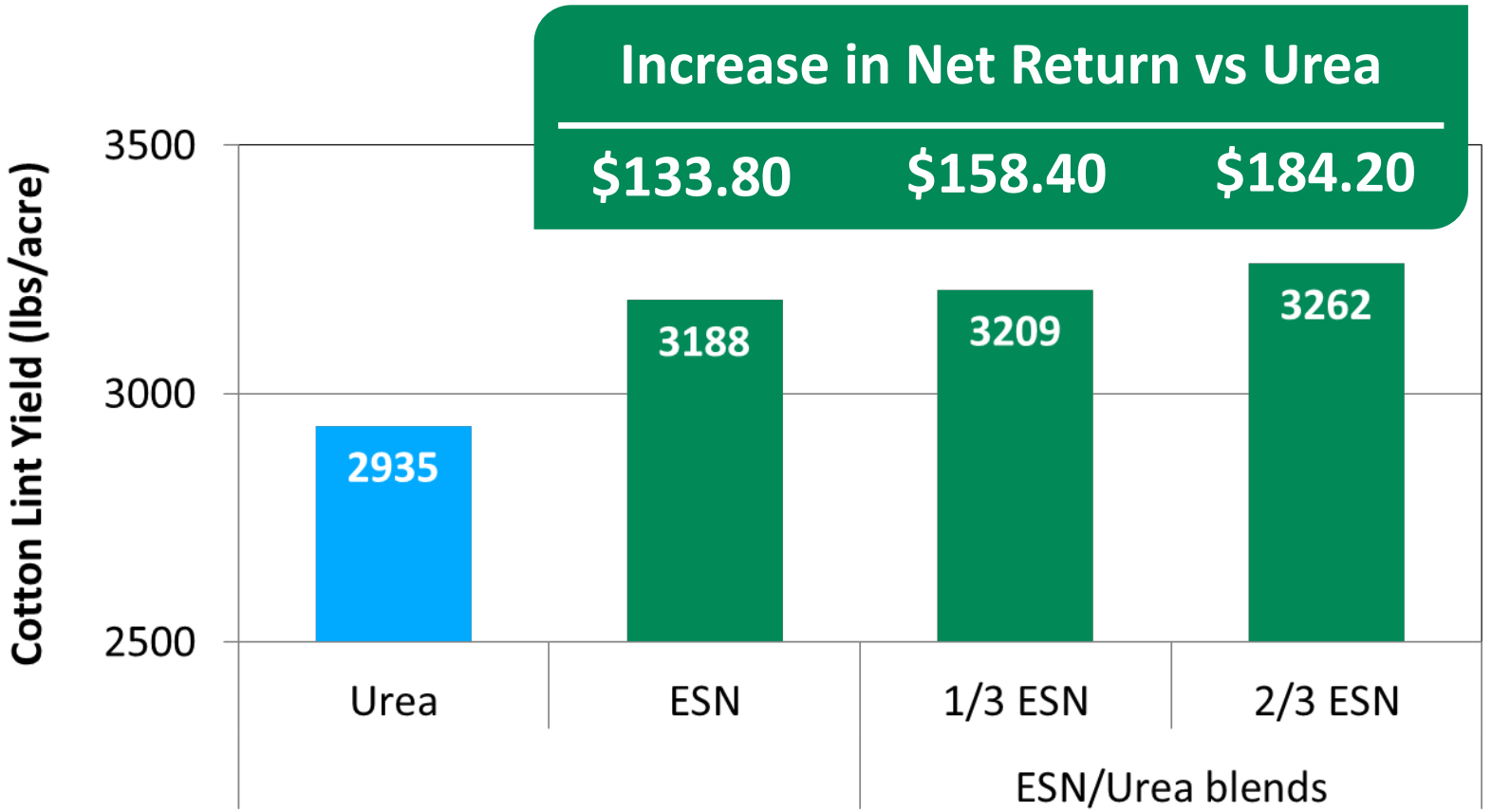
ESN® SmartNitrogen

# N Release Profiles at Constant Temperature




ESN® SmartNitrogen

# Greater Yields and Profits in Irrigated Cotton

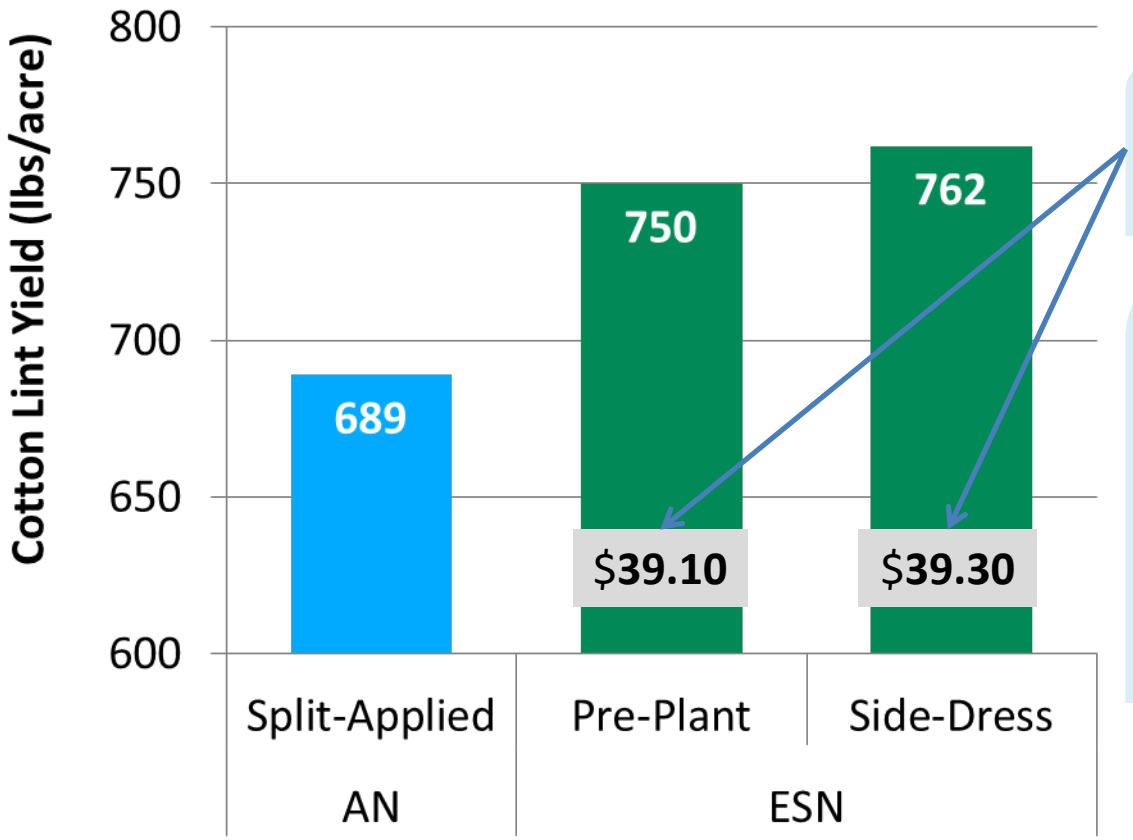



**More yield and greater net return**

Source: Dr. B. Golden, Mississippi State Univ

ESN® SmartNitrogen

# Greater Cotton Yields and Profits



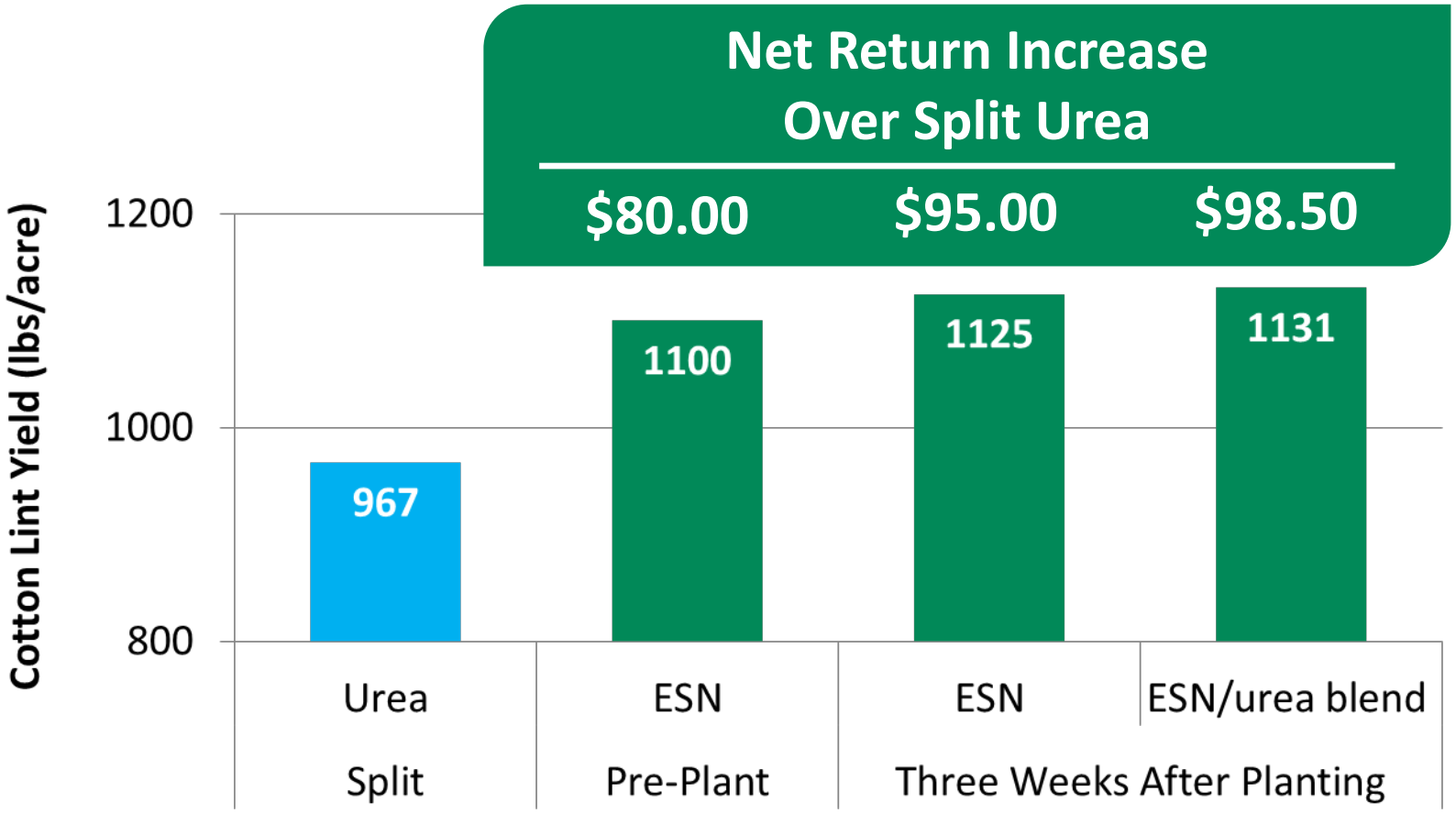

**Increased net return over split AN**

**More cotton/unit of N**
**Flexibility / convenience**
**Save time, fuel, & labor**
**Less nitrogen loss**
**Increased ROI**

Source: Dr. G. Harris, Univ of Georgia

ESN® SmartNitrogen

# Greater Cotton Yields &Profits; Fewer Applications




**Greater yield - Greater net return - Application flexibility**

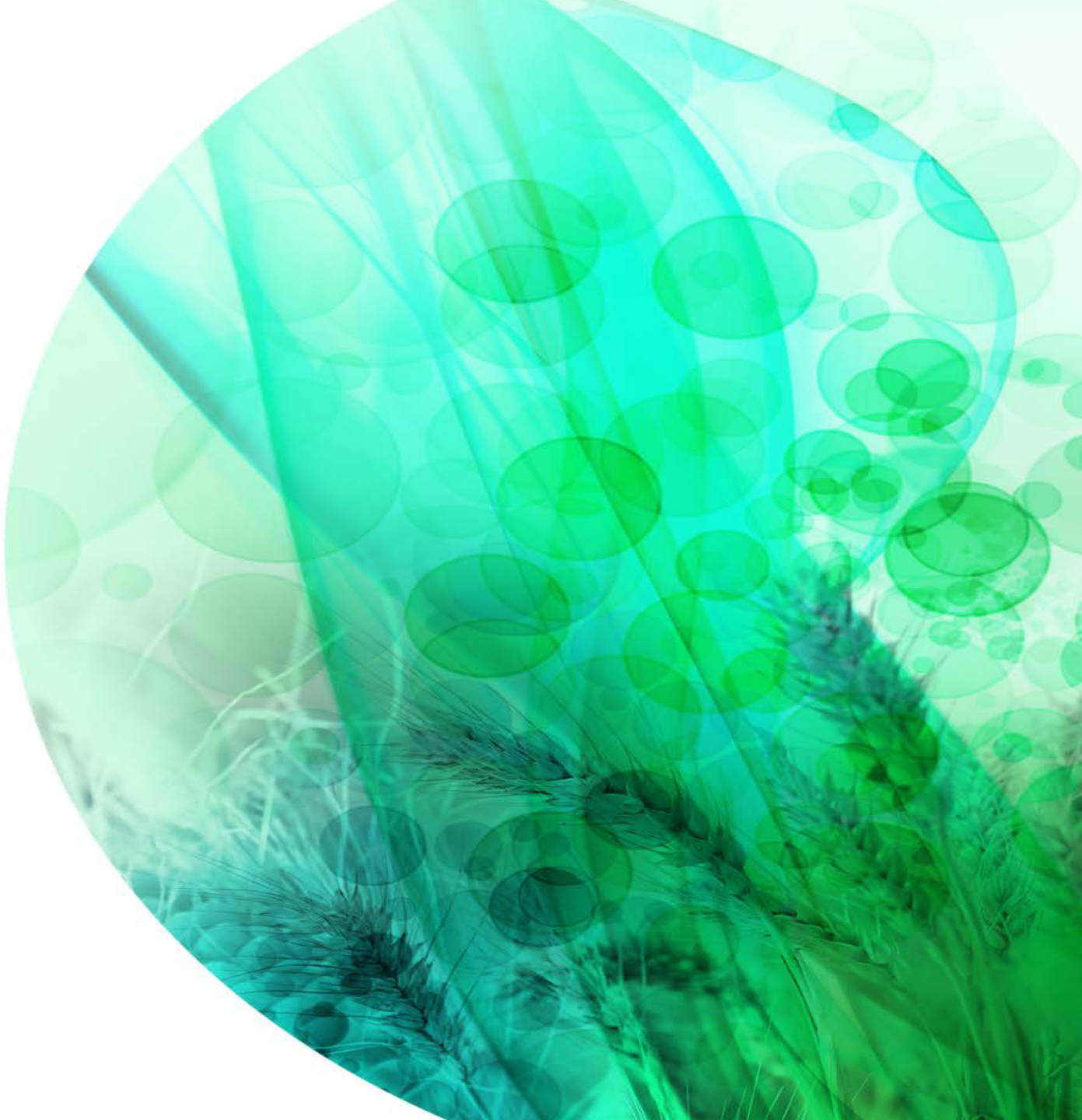
Source: Univ of Missouri

ESN® SmartNitrogen

# Could you benefit from ESN?

- How much N is likely to be lost?
- Will the product reduce the specific loss?
- How much is saved in time, equipment, fuel or labor versus standard technology?
- What is the risk of delayed side-dress application?

ESN® SmartNitrogen



ESN®
SmartNitrogen


**Kelly Dupont**

985.241.1355

kdupont@NUTRIEN.com


Nutrien™