



SmartNitrogen

Controlled Release Fertilizer

A *smarter* source of nitrogen.

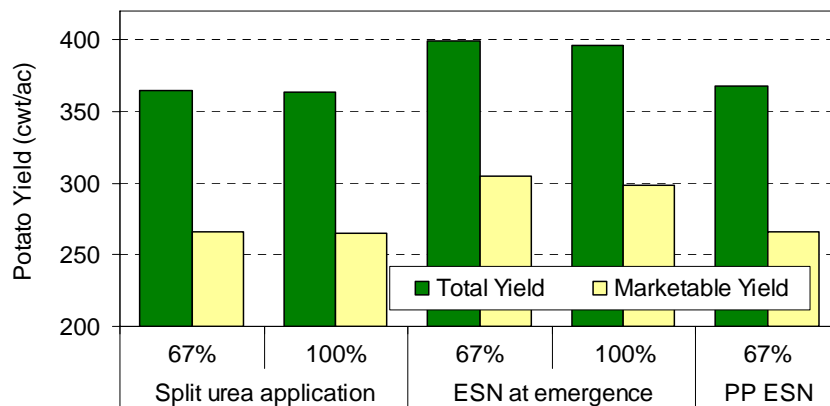
A *smarter* way to grow.



Facts from the Field

February 2008

ESN Replaces Multiple Applications



Application rate (% of U of I recommendation) and timing

Figure 1. One ESN application increased Russet Burbank yields over conventional split applications in this Idaho study (average of three locations).

A 2006 Idaho study compared ESN applied at emergence or at planting with conventional urea in multiple applications. A single ESN application at emergence or at planting produced yields similar to or greater than multiple applications of urea. Split urea application is 50% of N at emergence & 50% in three applications in season. ESN was broadcast and incorporated. The 100% rate is 200 lbs N/acre. Fewer applications means savings of time, fuel, labor and equipment, saving the grower money while growing high yielding, high quality potato crops. ESN is indeed a more efficient nitrogen fertilizer.

Source: Dr. Bryan Hopkins, Brigham Young Univ..

How can we help?

To make ESN part of your nitrogen program, contact an authorized retailer or Agrium representative. For technical information, our agronomists can be reached during business hours.

Agronomy Information Line

(800) 661-NPKS (6757)
USA and Canada
email: esn@agriumat.com
www.AgriumAT.com

ESN Sales Representatives

Mark Mangin

303-588-8333
319-294-4830
mmangin@agriumat.com

B.J. Bilas

DeWitt, Michigan
(517) 669-5499
bbilas@agriumat.com

John Niemeyer

Breese, Illinois
(618) 526-7728
(618) 792-5736
jniemeyer@agriumat.com

Andrew Schenk

Eagle, Idaho
(208) 938-9095
aschenk@agriumat.com

Agronomists

Alan Blaylock

4582 S. Ulster Street Suite 1700
Denver, Colorado 80237
(303) 804-4479
ablayloc@agriumat.com

Ray Dowbenko

13131 Lake Fraser Dr. SE
Calgary, Alberta, T2J 7E8
(403) 225-7174
rdowbenk@agriumat.com

Online Training

<http://www.agriumatadvancedtechraining.com>

Ordering Sales Material

http://www.agriumat.com/ESN/docs/ESN_Order_Form2.pdf



SmartNitrogen

Controlled Release Fertilizer

A *smarter* source of nitrogen.

A *smarter* way to grow.



Facts from the Field

February 2008

ESN Replaces Multiple Applications

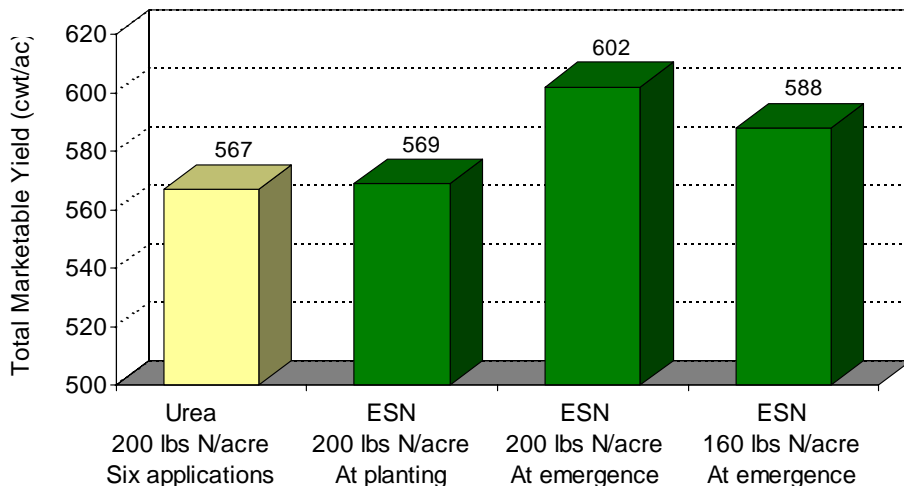


Figure 2. ESN increased Russet Burbank yields over conventional split applications in this multi-year Minnesota study. Yields are averages of three years (2005-2007).

A Minnesota study compared ESN applied at emergence or at planting with multiple applications of conventional urea. As in the Idaho study, a single ESN application at emergence or at planting produced yields similar to or greater than multiple applications of urea. Split urea application included 100 lbs N/ac at emergence, 20 lbs N/ac at hilling, and four post-hilling applications of 20 lbs N/ac at approximately 2 week intervals. ESN was broadcast and incorporated. N rate shown includes 40 lbs N/acre at planting from DAP. Fewer applications means savings of time, fuel, labor and equipment, saving the grower money while growing high yielding, high quality potato crops. ESN is a smarter nitrogen fertilizer.

Source: Dr. Carl Rosen, Univ. of Minnesota.

How can we help?

To make ESN part of your nitrogen program, contact an authorized retailer or Agrium representative. For technical information, our agronomists can be reached during business hours.

Agronomy Information Line

(800) 661-NPKS (6757)
USA and Canada
email: esn@agriumat.com
www.AgriumAT.com

ESN Sales Representatives

Mark Mangin

303-588-8333
319-294-4830
mmangin@agriumat.com

B.J. Bilas

DeWitt, Michigan
(517) 669-5499
bbilas@agriumat.com

John Niemeyer

Breese, Illinois
(618) 526-7728
(618) 792-5736
jniemeyer@agriumat.com

Andrew Schenk

Eagle, Idaho
(208) 938-9095
aschenk@agriumat.com

Agronomists

Alan Blaylock

4582 S. Ulster Street Suite 1700
Denver, Colorado 80237
(303) 804-4479
ablayloc@agrium.com

Ray Dowbenko

13131 Lake Fraser Dr. SE
Calgary, Alberta, T2J 7E8
(403) 225-7174
rdowbenk@agrium.com

Online Training

<http://www.agriumadvancedtechraining.com>

Ordering Sales Material

http://www.agrium.com/ESN/doc/s/ESN_Order_Form2.pdf