

# Facts From the Field

## ESN® Simplifies Manitoba Potato Nitrogen Management

Potatoes require careful management of relatively high nitrogen (N) rates. They are a shallow-rooted crop often grown on sandy soils with potential for N leaching beyond the root zone and into groundwater. ESN has repeatedly shown to produce greater potato yields with fewer applications, reduce N leaching and increase grower profits.

In this multi-site, multi-year study led by researchers at the University of Manitoba, one ESN application at planting (PP) produced yields greater or similar to conventional split urea application, as well as fertigation management practice.

ESN protected N provides yield benefit and flexibility over traditional multi-pass systems.

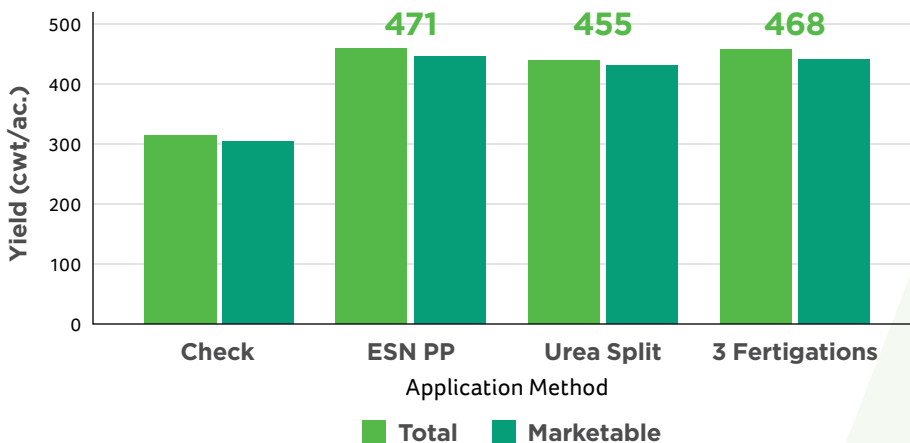


### ESN SMART NITROGEN

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



### ESN Manages Nitrogen in Potato Production



- ESN applied broadcast and incorporated at planting – 160 lb/ac.
- Urea applied at planting (40%) and side-dress at hilling (60%) – 160 lb/ac.
- Three Fertigations: (60% PP; fertigations – 16%, 10%, 16% in July) –166 lb/ac.
- Site: Carman, MB

Source: Dr. Mario Tenuta, University of Manitoba

### 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](http://www.SmartNitrogen.com)

### ESN REPRESENTATIVE:



Learn more about the industry's leading environmentally smart nitrogen at [www.SmartNitrogen.com](http://www.SmartNitrogen.com)