



## 2007 Field Performance

In the spring of 2007, Becker Underwood received full registration approval for a new BioStacked™ category of soybean inoculants which includes HiStick® N/T peat and HiStick® L N/T liquid formulations.

To help demonstrate the field performance of the new BioStacked HiStick N/T products and the value that this exciting technology can offer soybean growers, Becker Underwood initiated some side-by-side field tests in 2007 comparing HiStick N/T to an untreated control on land with a history of growing soybeans. Here is the summary of the results from these field scale comparisons:

- Results were reported spanning across the southwest regions of Ontario including the counties of Essex, Kent, Lambton, Middlesex, Elgin, Huron, Oxford, Brant, Haldimand, and Niagara.
- Growing conditions were highly variable in 2007 resulting in yields ranging from 16 to 60 bu/acre across all site locations due to prolonged periods of drought and other environmental stresses including aphids. In the face of these variable growing conditions, HiStick N/T was able to induce a higher yield response on the majority of sites.
- Across all sites, there was a 1.3 bu/acre average yield advantage in favour of HiStick N/T.
- Across the majority of sites where a higher yield response was observed specifically, the average yield advantage in favour of HiStick N/T was **3.3 bu/acre**.
- There was no relationship observed between soil type and inoculant performance.

## Nodulating Trigger™ Technology

The proof is in the roots. HiStick N/T BioStacked products include highly effective nitrogen fixing rhizobia species as well as a unique patented organism, called *Bacillus subtilis*, that acts as a Nodulating Trigger. HiStick N/T treated plants will typically have much greater nodule biomass vs. untreated plants. See the difference below from representative plants that were sampled within the same plot location on old rotated soybean land.



**HiStick N/T**



**Untreated (old rotated soybean land)**

BioStacked™ and Nodulating Trigger™ are Trademarks of Becker Underwood. HiStick® is a registered trademark of Becker Underwood.