



NITRO-LIQ

SOYBEAN

Nitro-Liq Soybean Inoculant is a premium liquid Rhizobium bacterial inoculant with high viable bacterial counts per ml of product. The product is engineered for a grower that is looking for economical treatment and has the ability to be dry sequenced with most seed care products and applied 2 days prior to sowing.



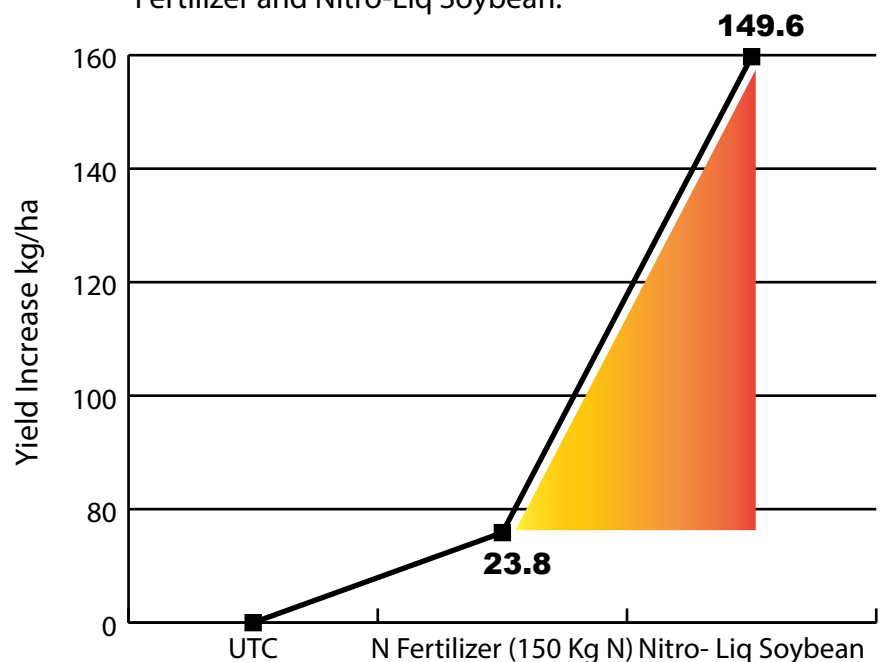
ADVANTAGES OF NITRO-LIQ

- Contains minimum of 2 billion CFU/ml
- 12 month shelf life
- O₂ Breathable packaging increases bacterial viability throughout storage
- Level 1 N-Factor
- Zero contamination
- 1 - 2 days pretreatment
- Compatible with most seed care products

TRIAL RESULTS



Nitro-Liq compared in kg per hectare against untreated control and 150 Kg N Fertilizer over 3 trials sites in 2017/18. A yield increase of 125.8 kg/ha between N Fertilizer and Nitro-Liq Soybean.



THE IMPORTANCE OF ROOT NODULES FOR NITROGEN FIXATION



Figure 1.

Demonstrates an abundance of root nodules present on soybean roots. The rhizobium in Nitro-Liq excretes nod factors, causing the plant to start elongating cells towards nod factors stimulating the process of nitrogen fixation.



Figure 2.

Depicts soybean roots with no nodule formation. Nodule formation is important because nodules process atmospheric nitrogen gas into a plant available form.



Premium Liquid Rhizobium

Nitro-Liq's active ingredient is Bradyrhizobia japonicum. Soybeans and B.japonicum have formed a symbiotic relationship meaning both organisms benefit from one another. This bond forms naturally in most field conditions, but not always.

NITRO-LIQ SHOULD BE USED WHEN:



- Soybeans have never been grown in that land - yield increases can vary widely due to nitrogen supply in the soil.
- Non-optimal soil pH. Soil pH that is below 6.0 or above 8.0 can lead to a decrease in nodulation.
- Soil that has a high sand content.
- When it has been longer than 3 - 5 years since soybeans were planted. The bacteria in the soil will still be present, but at a low enough population that Nitro-Liq will efficiently stimulate the bacteria.

Indicative application rates are worked around 300ml/100kg seed. At 0.3l/\$9/ha, Nitro-Liq is your insurance policy for offering the best possible team in the soil to support your soybean crop.

Please check the compatibility of Nitro-Liq with other chemicals with your agronomist before application.

Social Media



www.damarabioagri.com

Location

Stand 583 Pomona Industrial Park
Harare Drive
Borrowdale
Harare

Sales and Marketing

Office Sales +263 772 666 690
Office Landline +263 867 700 5277
Email Address bioagri@damara.org



DAMARA
BIO-AGRI