

# Nebraska On-Farm Research Network

**Years:** 2012  
**Title:** Inoculant  
**Crop:** Soybeans  
**Study ID:** 026185201203  
**County:** York  
**Objective:** Study effect of inoculant on soybean production and profitability.  
**Treatments:** Check vs XiteBio Inoculant

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**Information: 2012**

**Soybean  
Inoculant**

Variety Pioneer 92Y53

Planted: 5/1/12      Harvested: 9/22/12

Hail: 5/14/12      Replanted: 5/22/12

Note: Plot received hail that reduced stand to 60k.

Soybeans were replanted at 140k rate.

One strip of 60k (not part of study) was taken to harvest and yielded 74.8 bu/ac.

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## XiteBio<sup>®</sup> SoyRhizo For Soybean

### Features of SoyRhizo:

- **Active Ingredient:**  
2×10<sup>8</sup> *Bradyrhizobium japonicum*
- **Formulation:**  
Ready-to-Use Liquid
- **For use on:**  
Soybean
- **Application:**  
On-seed or In-furrow
- **Package size:**  
2.5 L (4x50 Unit Case)  
10 L (1x200 Unit Case)
- **Application Rate:**  
On-seed:  
2.0 fl oz/60 lbs (60 ml/27 kg)  
In-furrow:  
0.5 fl oz/100 ft row (15 ml/304 m row)
- **Seed Treatment Compatibility:**  
Compatible with most popular  
soybean seed treatments
- **Yield Increase:**  
As high as 26 bu/ac  
9 bu/ac on average in 2011 trials

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## Results: 2012

Treatment	Soybeans	
	Check	<u>Inoculant</u> XiteBio
Yield, bu/ac @13%	69.3	69.3
Cost/Acre	---	\$3.40
Prob>/T/ 1.0000. ns	A	A
Moisture, %	9.0	8.9
Prob>/T/ 0.2605 ns	A	A

**Summary:** There was no significant difference in yield between the check and the XiteBio treatment; however, this field had considerable hail and was replanted down the same rows.

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