

# Nebraska On-Farm Research Network

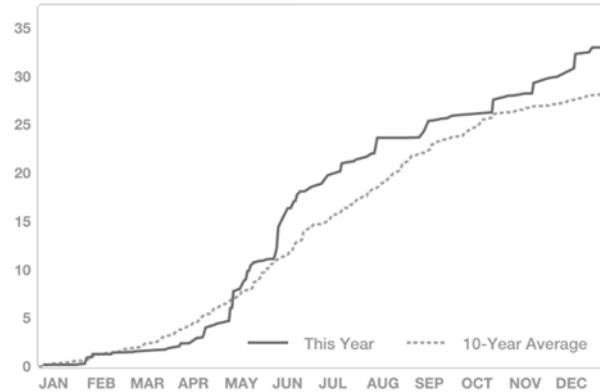
## Accomplish® LM on Soybeans

**Study ID:** 038035201501  
**County:** Clay  
**Soil Type:** Hastings silt loam;  
**Planting Date:** 5/3/15  
**Harvest Date:** 9/16/15  
**Population:** 190,000  
**Row Spacing (in.):** 15  
**Hybrid:** Asgrow 24-31  
**Reps:** 6  
**Previous Crop:** Corn  
**Tillage:** No-Till  
**Herbicides:** *Pre:* unknown *Post:* Sprayed 2 times with Roundup PowerMax  
**Seed Treatment:** Standard  
**Foliar Fungicides:** 3 lb/ac foliar sugar at R1  
**Fertilizer:** 15 lb/ac P, 2 lb/ac Zn, and 15 lb/ac S (Fall applied)

Note: Soybeans were lightly shattering prior to harvest.

**Irrigation:** Pivot, Total: 4.10"

**Rainfall (in.):**



**Introduction:** In this study the grower looked at the effect of Accomplish® LM on soybean yield and economics compared to an untreated check. Product information is below. Accomplish® LM was applied at a rate of 2 qt/ac, in-furrow at planting. Soybeans were drilled in 15" rows.



**NON PLANT FOOD INGREDIENTS:**

Microorganisms ..... <1%  
*Bacillus licheniformis* ..... 1x10<sup>3</sup> cfu/ml\*  
*Bacillus megaterium* ..... 1x10<sup>3</sup> cfu/ml  
*Bacillus pumilus* ..... 1x10<sup>3</sup> cfu/ml

\*colony forming units/milliliter

**Inert Ingredients:**

Water-based culture medium ..... 99%

Product information from: [http://www.agrian.com/pdfs/Accomplish\\_LM\\_Label.pdf](http://www.agrian.com/pdfs/Accomplish_LM_Label.pdf)

Results:	Yield (bu/ac) <sup>†</sup>	Moisture (%)	Test Weight	Marginal Net Return (\$/ac) <sup>‡</sup>
Check	76 A*	13.1 A	57 A	676.40
Accomplish® LM 2 qt/ac	76 A	13.2 A	57 A	660.40
P-Value	0.4844	0.7554	0.4126	N/A

<sup>†</sup>Bushels per acre corrected to 13% moisture.

\*Values with the same letter are not significantly different at a 90% confidence level.

<sup>‡</sup>Net Return based on \$8.90/bu soybeans and \$16.00/acre Accomplish LM cost.

**Summary:** There was no statistical difference in soybean yield, moisture, stand counts, or test weight for the Accomplish® LM compared to the untreated check.



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