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A field's Return on Investment (ROI) and the Return on Investment when applying fungicides.

This was prepared by Bill Hotchkiss using information from Sygenta. Here is an example of what happens when you add an additional fungicide treatment to a field and the value of the return in dollars that can be realized.

When using Broadaxe and Flexstar to control weeds (with no fungicide added) the yield was 72.3 bushels/acre. To break even using this tank mix, a farmer needed to get a price of \$7.77/bushel for their soybeans, and the break even yield would need to be 62.39 bushels. When the farmer gets a net yield of 72.3 bushels, the net revenue/acre is \$89.23/acre. Good return on investment.

If the producer used a fungicide (Trivapro + Endigo @ R2) on this field in addition to the Broadax and Flexstar they were using, the yield increased to 82.1 bushels/acre. Having an increase in yield the farmer's break even bushel cost was now \$7.12/bushels (lower) and the break even yield was 64.94 bushels. With the increased yield of 82.1 bushels, the net revenue/acre is \$154.48/acre. A great return on the dollars spent.

This is the type of exercise that any of our customers can do with their local agronomist. It is good to have a plan, and know the ROI for decisions made throughout the growing season.

Adams Auburn Avoca Bennet Brock Burr Cook Dunbar Eagle Elk Creek
Elmwood Greenwood Manley Martell Murdock Mynard Nebraska City Nehawka
Otoe Palmyra Prairie Home St. Mary Syracuse Tecumseh Walton Waverly

2017 Grow More Soybean Results

AgriEdge Excelsior® Summary

Grow More™ Trials

York, NE

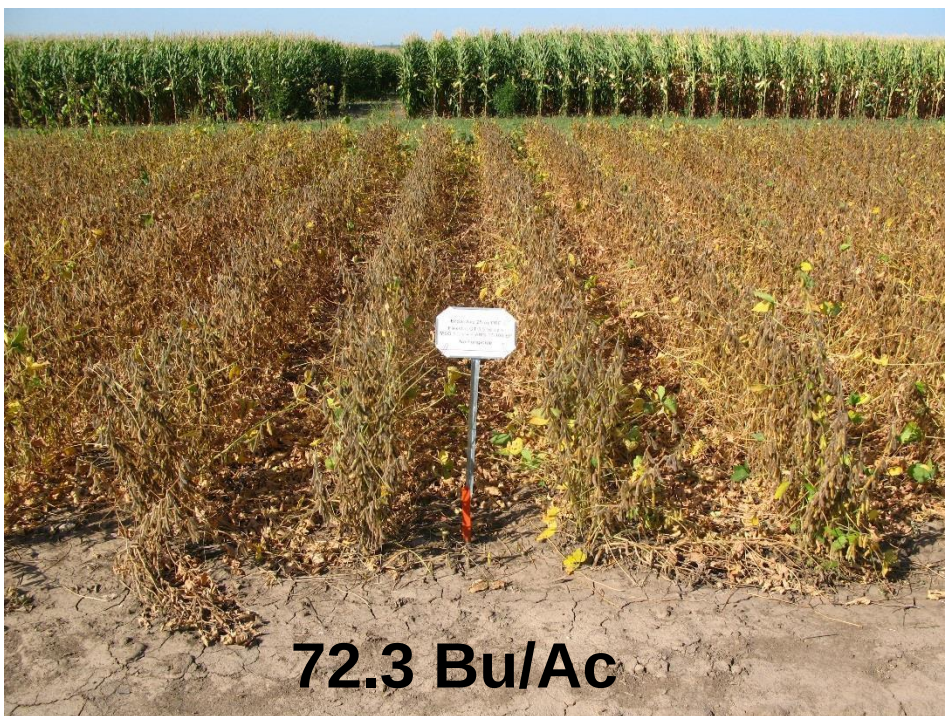
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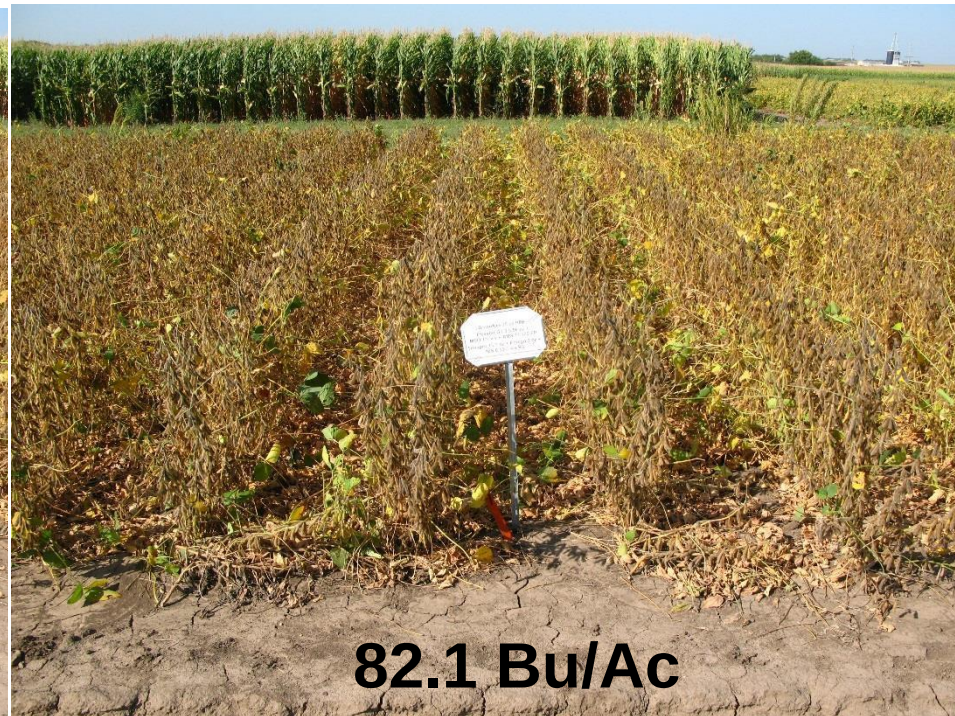
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Fungicide Performance in Soybeans



72.3 Bu/Ac

No Fungicide



82.1 Bu/Ac

**Trivapro 13.7 oz +
Endigo 3 oz @ R3**

MK S29-K3X. Broadaxe 25 oz Pre (4/27). Flexstar GT 3.5 56 oz Early Post (6/9).

Syngenta Trials – Grow More Experience, York, NE

Author fRLK 9/5/2017

Pre Applied: 4/27 Planted: 4/27 Post: 6/7 Photos: 8/8/2017

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Product performance assumes disease presence. Results may vary by geography.

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Soybean Disease Control

Broadaxe 25 oz Pre
Flexstar GT 56 oz Post
Trivapro 13.7 oz + Endigo 3 oz @ R2
Yield: 82.1 Bu/Ac

Planted: 4/27/2017
Pre Treated: 4/27/2017
Post Treated: 6/9/2017
Harvested: 10/2/2017

Broadaxe 25 oz Pre
Flexstar GT 56 oz Post
No Fungicide Applied
Yield: 72.3 Bu/Ac

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\$7.12 / Bu	Break Even Bushel Cost*	\$7.77 / Bu
64.94 Bu	Break Even Yield*	62.39 Bu
82.1 Bu	Net Yield*	72.3 Bu
\$154.48 / Ac	Net Revenue/Acre*	\$89.23 / Ac

*Standard Inputs Across both Treatments:

NK S29-K3X @ 160,000 @ \$86.86/Ac, planted 4/27/17 @ 16/Ac, Harvested 10/2/2017 @ \$30/Ac; 3 Applications @ cost of \$24/Ac; Irrigation of 4.6" @ cost of \$32.20/Ac. Treatment A: Broadaxe 25 oz @ \$17.77/Ac Pre; Flexstar GT at 56 oz/Ac @ \$12.86/Ac + Adjuvant @ \$1.86/Ac; Fixed costs considered included Rent (\$254/Ac); Equipment (\$25/Ac); Insurance (\$16/Ac); Repairs (\$35/Ac); Soybean Yields adjusted to 15% Moisture and calculated at \$9.00/Bu.

Total Fertilizer: No Applications Made.

*Treatment Differences:

Treatment A: Trivapro 13.7 oz @ \$16.05/Ac + Endigo 3 oz @\$4.65/Ac
 Treatment B: No Fungicide or insecticide applied

Syngenta Trials – Grow More Trials, York, NE

***Based on AgriEdge Excelsior Crop Management program analysis.**

Author RLK 2/27/2018

Cost Analysis completed using AgriEdge Excelsior Crop Management Program.

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