

Delta Growers Association

2024 Strip Trial Results

The most useful data is the data that is collected locally. That's why DGA has efforted to look at products that bring a good return at an affordable price point to you the farmer. This year we had tests conducted using three different products. AMS on soybeans, PowerCoat on corn and cotton, and Fungicides on soybeans. We will share the results below and always if you have any questions or would like additional information give us a call.

- **Trial 1**

AMS applied at 100LBS/ac at planting on soybeans applied in 70-foot strips across 80 acres

- AMS 56.7 bu/ac
- Check 48.8 bu/ac
- Difference of 7.9 bu/ac
- Using a price of \$9.80/bu the gross increase is \$77.42/ac
- After deduction of fertilizer cost and application cost the **net ROI is \$48.67/ac**

Summary:

This is the second year of this trial and has shown remarkably equivalent results each year, so in conclusion an application of 100lbs/ac of AMS is an exceptionally good return in investment on soybean acres when applied preplant. Adding P or K in the same application usually returns even bigger yields.

- **Trial 2**

PowerCoat trial on Cotton with 5 oz/ac applied at planting on the dry fertilizer

- This trial was in two different fields, one field with an application of 5 oz/ac of PowerCoat to the dry fertilizer at planting, the other field, no PowerCoat was applied. These fields were applied and planted at the same time right next to each other. The yield results were calculated using gin tickets.
- PowerCoat treated field 1,364 #/ac lint
- Untreated field 1,026 #/ac lint
- Increase of 338 #/ac of lint
- Using \$.70/# price that gives a **net ROI of \$231.60/ac**

More trials on back →

Side by side trial of 40 acres was done with PowerCoat. 20 acres applied at planting with PowerCoat. 20 acres of no PowerCoat.

- PowerCoat applied 243.7 bu/ac
- Check 233.0 bu/ac
- Increase of 10.7 bu/ac
- Using a price of \$4.25/bu the **net ROI is \$40.48/ac**

Summary: DGA has conducted several trials using PowerCoat over the last couple of years and the yield results have always shown a good increase in yield equating to exceptionally good ROI. It's such an easy and inexpensive way to introduce a biological into your cropping system and the returns are as consistent as any product we have trialed in the last 15 yrs.

• **Trial 3**

Fungicide trials on Soybeans applied at R3 with Miravis Top

- Miravis Top 95 bu/ac
- Check 86 bu/ac
- Difference of 9 bu/ac. Using a price of \$9.80/bu gross increase is \$88.20/ac
- After deducting the cost of fungicide and application the **net ROI is \$61.90/ac**

Fungicide trials on Soybeans applied at R3 with AFrame(Generic Quadris)

- AFrame 65 bu/ac
- Check 60 bu/ac
- Difference of 5 bu/ac
- Using a price of \$9.80/bu gross increase is \$49.00/ac
- After deducting the cost of fungicide and application the **net ROI is \$38.52/ac**

Summary: Both a low cost and a higher end cost fungicide have been proven year after year to give an increase in yield with the disease pressure in our area.