2023 On-Farm Corn Fungicide Application Study - Plane vs. Drone

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2023 Multi-Location Results

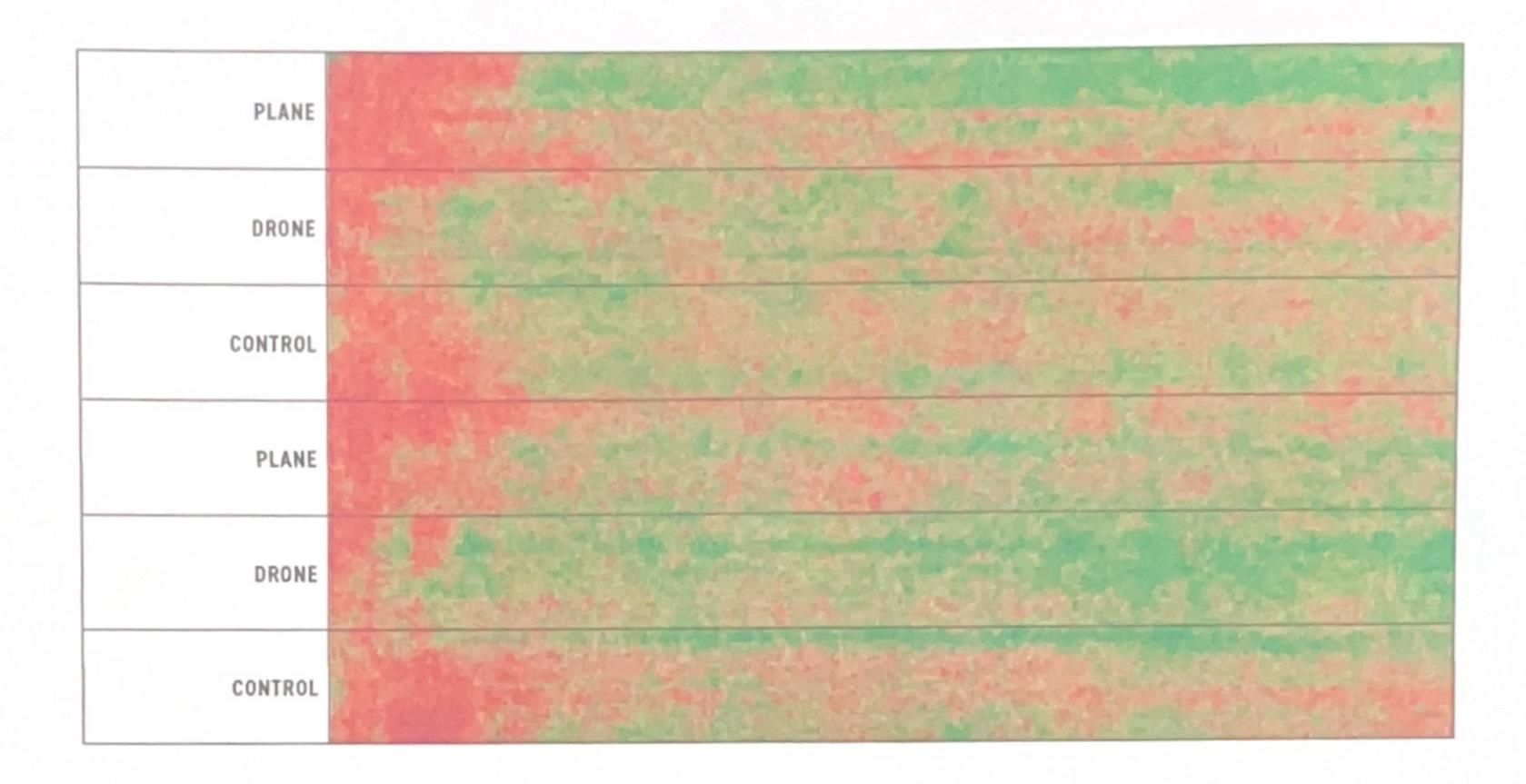
Fungicide	Drone	19.7	252.4	+6.3	+\$11.83
	Plane	19.7	248.8	+2.7	-\$8.66
Control: No Fungicide	**	19.6	246.1		-
R1 TREATMENTS	APPLICATION	PERCENT	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT

Corn \$5.69/Bu. Fungicide \$24.02/A. Application costs are not figured in the calculations. These results are based on the disclosed study parameters and participating sites.

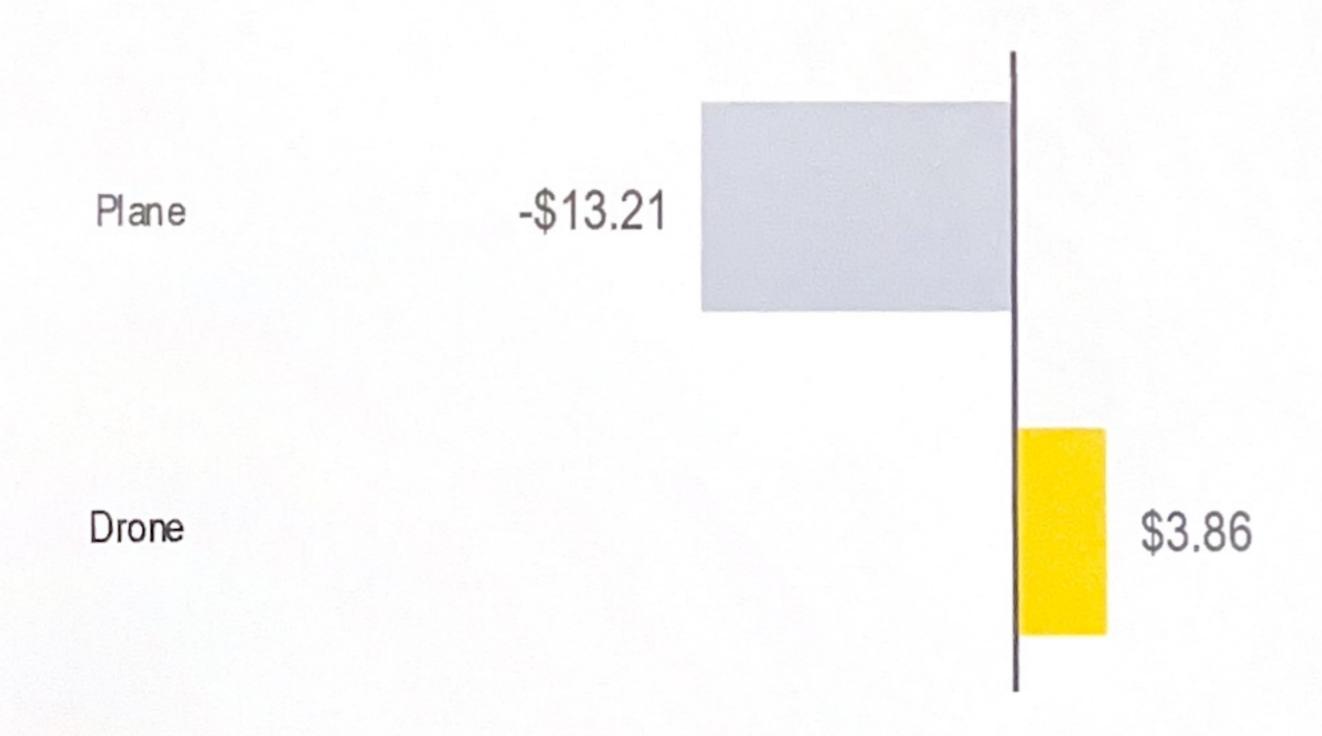


None of these fields showed disease pressure at the time of application. However, fields one and two did show some Tar Spot late in the season, but not enough to cause concern. Overal I, the drone provided the greatest yield advantages, even with the lack of disease. Plant health benefits were observed in all treatments.

Plant Health Map - Field 1

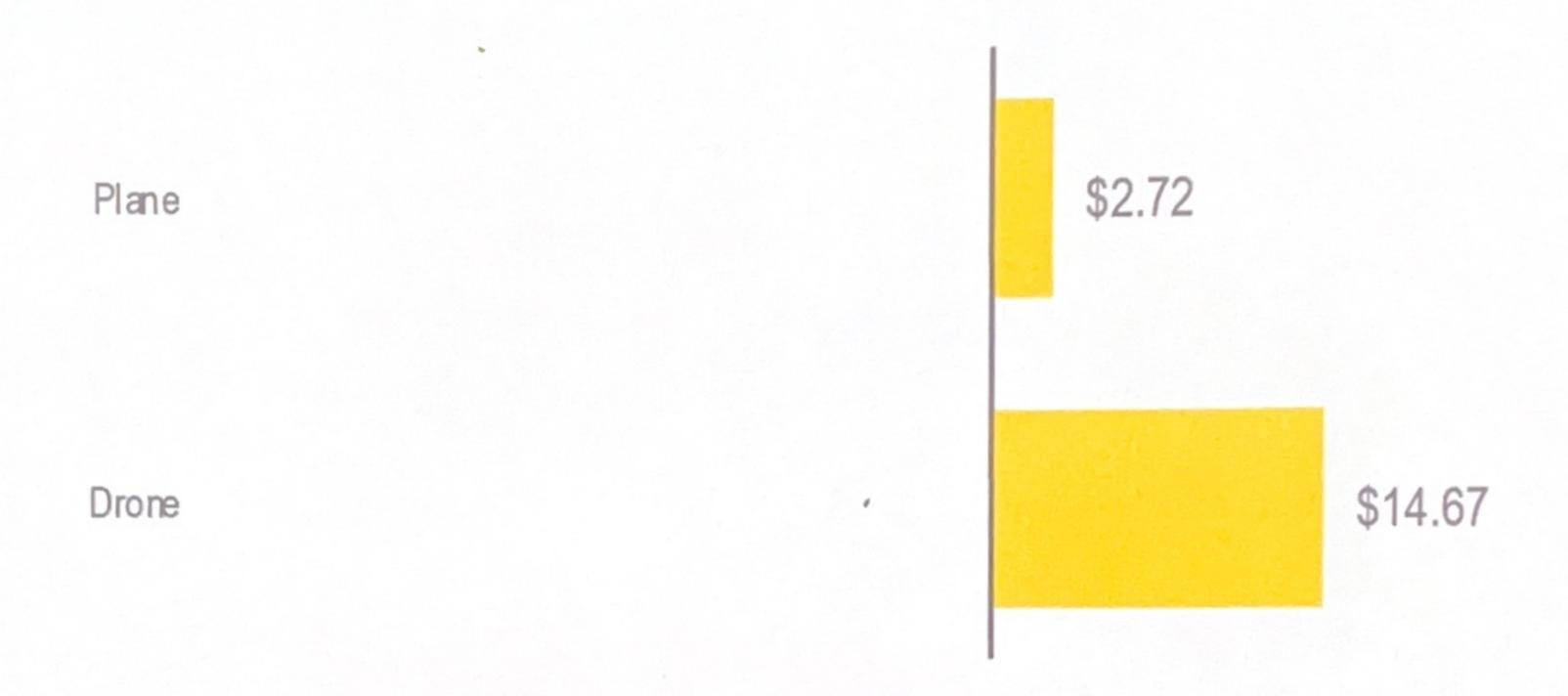


2023 Fungicide Application - Plane vs. Drone Return on Investment Field 1: LA Harpe, IL | Total Acres of Trial Blocks: 16.2 Acres



FIELD INFORMATION | Planted 5/12/23 | Harvested 10/17/23 | Population 33,600 Seeds/A. |
Row Width 30 in. | Previous Crop Soybeans | Tillage Fall: No-Till, Spring: Vertical-Till | Total
Nitrogen 210 units

Field 2: Marietta, IL | Total Acres of Trial Blocks: 12.2 Acres



FIELD INFORMATION | Planted 5/2/23 | Harvested 9/28/23 | Population 36,000 Seeds/A. |
Row Width 30 in. | Previous Crop Corn | Tillage Fall:
In-Line Rip, Spring: Field Cultivate | Total Nitrogen 220 units

Field 3: Jamestown, OH | Total Acres of Trial Blocks: 5.5 Acres

