

2023 Angular Leaf Spot Field Trial

Murray, KY

Trt	Treatment	Rate
1	Untreated Control	-
2	Streptomycin (4 apps.)	1 lb/100 gal (200 ppm)
3	Copper Oxide (Nordox) (2 apps.) Copper Octanoate (Cueva) (2 apps.)	4 lb/A 1.5 gal/A
4	<i>Ulocladium uudemansii</i> U3 (Botrystop) (4 apps.)	2 lb/A
5	Acibenzolar-S-methyl (Actigard) (3 apps.)	0.5 oz/A
6	Actigard Streptomycin Nordox Cueva	0.5 oz/A 1 lb/100 gal (200 ppm) 4 lb/A 1.5 gal/A

- KTD8 transplanted May 31, 2023 (4900 plants/A)
- RCBD with 4 replications
- All plots inoculated at 5 wks after transplanting
 - 16P-475 Strep-sensitive, Natalia Martinez

Application Timings and spray volumes:

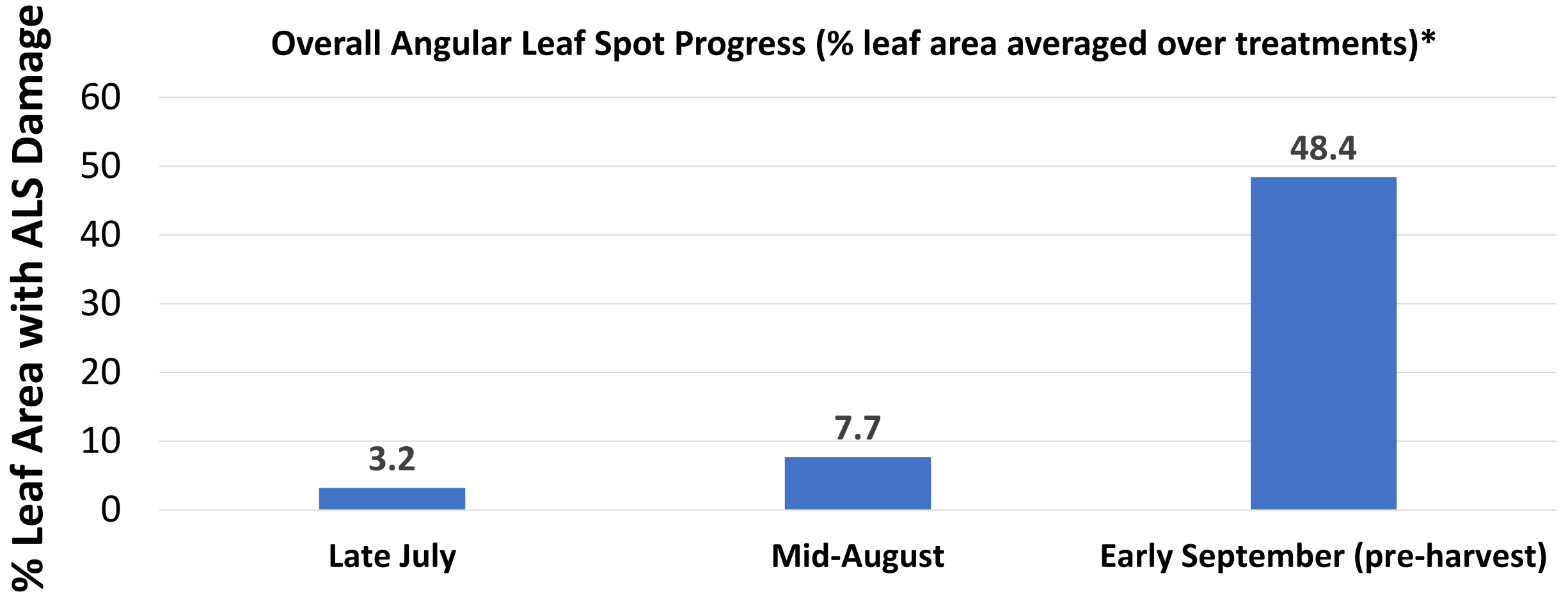
- Pre-inoculation (4 wks) – 15 gal/A
- Post-inoculation (6 wks) – 25 gal/A
- Topping (8 wks) – 40 gal/A
- Pre-harvest (10 wks) – 50 gal/A

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Average Disease Progress

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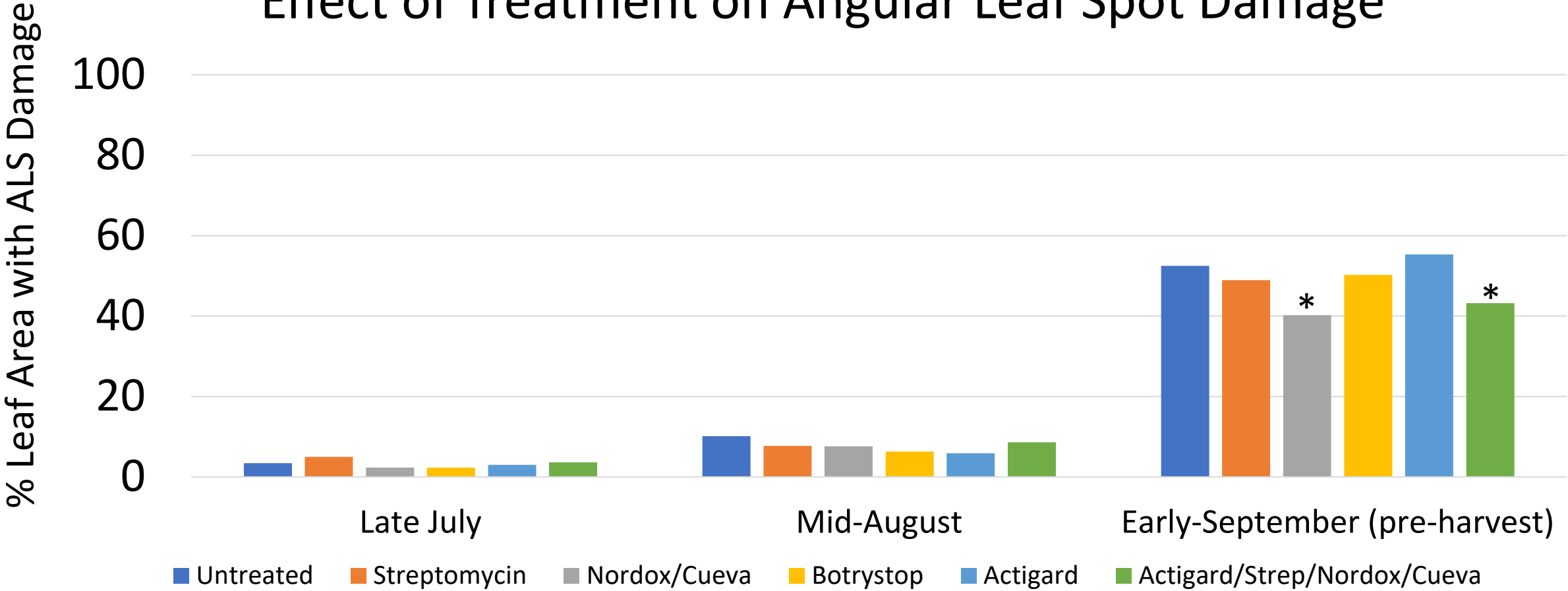
Overall Angular Leaf Spot Progress (% leaf area averaged over treatments)*



*Significant increases in ALS disease progress during the 2023 season.

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Effect of Treatment on Angular Leaf Spot Damage



Angular Leaf Spot Spray Programs – 2023 Field Trial

Very Limited Effectiveness in High Disease Pressure



Untreated
56% leaf area



Streptomycin
51% leaf area



Nordox-Cueva
40% leaf area

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Dark-Fired Yield

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Total Yield (lbs/A):

Dark-Fired Yield (lbs/A)

