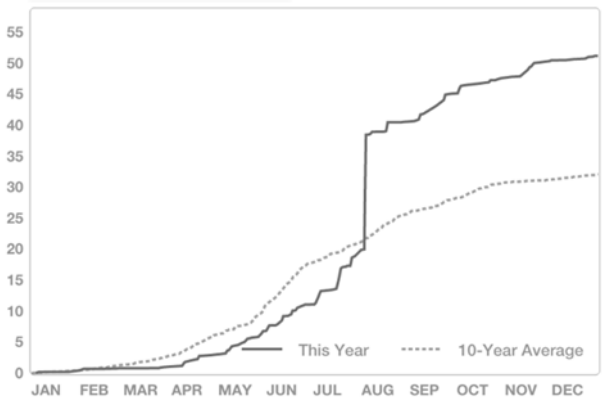
Nebraska On-Farm Research Network

Aegis® ESR on Irrigated Corn at V5

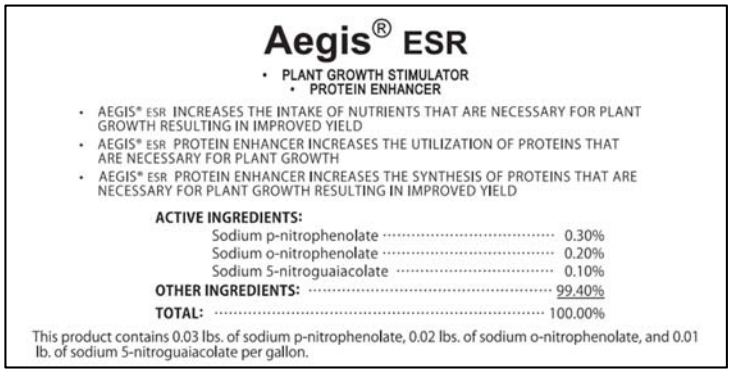
This study was conducted by the Stuart FFA as part of the Innovative Youth Corn Challenge.

Study ID: 219089201501
County: Holt
Soil Type: Valentine fine sand;
Planting Date: unknown
Harvest Date: unknown
Population: 34,000
Row Spacing (in.) 30
Hybrid: Dekalb 55-20
Reps: 5
Previous Crop: Unknown
Tillage: Unknown

Irrigation: Pivot, Total: unknown
Rainfall (in.):



Introduction: The purpose of this study was to determine if an application of Aegis® ESR plant growth stimulator would increase yield and profitability on irrigated corn. Aegis® ESR was applied with a high clearance applicator at a rate of 5 oz/acre at the V5 growth stage. This product is expected to be applied with a post herbicide application. Yields were harvested from treated and untreated strips and collected from yield monitor data. Product label with active ingredients is below.



Aegis® ESR

- PLANT GROWTH STIMULATOR
- PROTEIN ENHANCER

- AEGIS® ESR INCREASES THE INTAKE OF NUTRIENTS THAT ARE NECESSARY FOR PLANT GROWTH RESULTING IN IMPROVED YIELD
- AEGIS® ESR PROTEIN ENHANCER INCREASES THE UTILIZATION OF PROTEINS THAT ARE NECESSARY FOR PLANT GROWTH
- AEGIS® ESR PROTEIN ENHANCER INCREASES THE SYNTHESIS OF PROTEINS THAT ARE NECESSARY FOR PLANT GROWTH RESULTING IN IMPROVED YIELD

ACTIVE INGREDIENTS:	
Sodium p-nitrophenolate	0.30%
Sodium o-nitrophenolate	0.20%
Sodium 5-nitroguaiacolate	0.10%
OTHER INGREDIENTS:	99.40%
TOTAL:	100.00%

This product contains 0.03 lbs. of sodium p-nitrophenolate, 0.02 lbs. of sodium o-nitrophenolate, and 0.01 lb. of sodium 5-nitroguaiacolate per gallon.

Product information from:
http://www.kellysolutions.com/ok/showproductinfo.asp?Product_Name=Aegis+ESR+Plant+Growth+Stimulator&EPA_Id=64922-1-90441

Results:	Yield (bu/ac)	Marginal Net Return ($/ac)‡
Check	225 A*	821.25
Aegis ESR	230 A	835.50
P-Value	0.4492	N/A

*Values with the same letter are not significantly different at a 90% confidence level.
‡Net Return based on $3.65 corn, $4/acre Aegis ESR cost.

Summary: There was no significant yield difference between the Aegis® ESR treatment and the check.

This study was sponsored in part by: LTA Resource Management.

In Partnership with:

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