

**N** EXTENSION  
**Nebraska On-Farm Research Network**

**Aegis® ESR on Dryland Corn at VT**

**Study ID:** 184135201501

**County:** Perkins

**Soil Type:** Kuma silt loam;

**Planting Date:** 5/15/15

**Harvest Date:** 10/15/15

**Population:** 15,000

**Row Spacing (in.)** 30

**Hybrid:** Pioneer P0506

**Reps:** 7

**Previous Crop:** Wheat

**Tillage:** No-Till

**Herbicides:** **Pre:** 32 oz/ac of Durango (glyphosate) and 8 oz/ac dicamba (generic) on 6/1/15 **Post:** 32 oz/ac of Durango (glyphosate), 8 oz/ac Status, and 8 oz/ac Dual (generic) on 7/1/15

**Seed Treatment:** Poncho

**Foliar Insecticides:** unknown

**Foliar Fungicides:** unknown

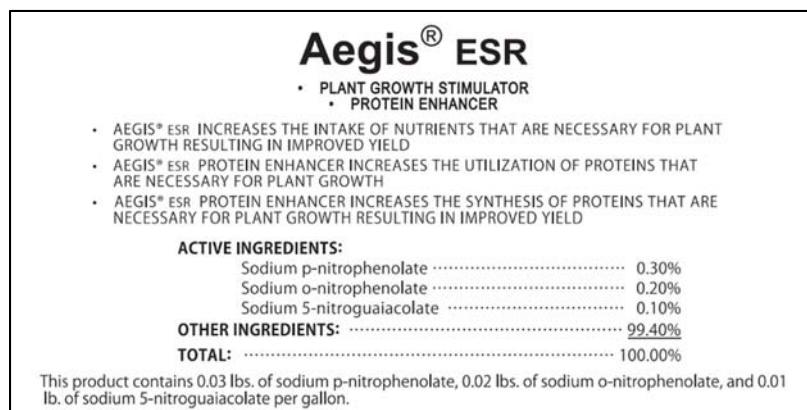
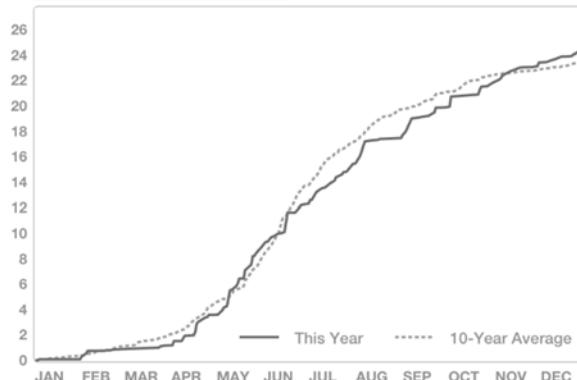
**Introduction:** The purpose of this study was to determine if an application of Aegis® ESR plant growth stimulator would increase yield and profitability on dryland corn. Aegis® ESR was aerially applied at a rate of 5 oz/acre at the VT growth stage. Yields were harvested from treated and untreated strips and collected from yield monitor data.

Product label with active ingredients is at right. Product active ingredients are below.

**Fertilizer:** 132 lbs/ac of 32-0-0, 132 lbs/ac of 28-0-0.5, and 132 lbs/ac of 9-27 on 5/15/15

**Irrigation:** None

**Rainfall (in.):**



Product information from:

[http://www.kellysolutions.com/ok/showproductinfo.asp?Product\\_Name=Aegis+ESR+Plant+Growth+Stimulator&EPA\\_Id=64922-1-90441](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	131 A*	478.15
Aegis® ESR	131 A	464.65
P-Value	0.9405	N/A

†Bushels per acre corrected to 15.5% moisture.

\*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, and \$9.50/ac aerial application cost.

**Summary:** There was no significant yield difference between the Aegis® ESR treatment and the check. Marginal net return was lower for the Aegis® ESR treatment due to the increased cost of production which was not recovered.

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



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