



## Nebraska On-Farm Research Network

### Aegis® ESR on Dryland Corn at VT

**Study ID:** 185135201501

**County:** Perkins

**Soil Type:** Valent loamy sand; Dailey loamy sand; Woody fine sandy loam; Rosebud-Canyon loam;

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

**Harvest Date:**

**Population:** 17,000

**Row Spacing (in.)** 30

**Hybrid:** Pioneer 35F50

**Reps:** 9

**Previous Crop:** Wheat

**Tillage:** No-Till

**Herbicides: Pre:** Glyphosate + Dicamba on 5/15/15 **Post:**

BalanceFlex + Fulltime + Glyphosate (lable rates) on 6/23/15

**Seed Treatment:** Pioneer Poncho based seed treatment

**Foliar Insecticides:** none

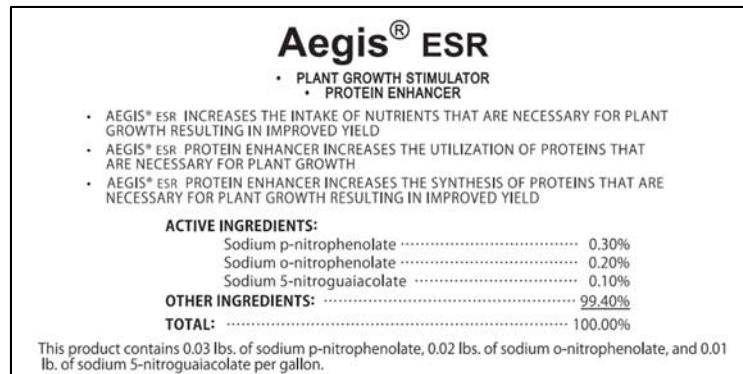
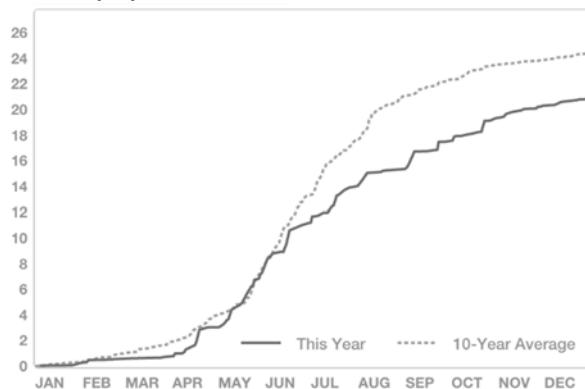
**Foliar Fungicides:** none

**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 active ingredients are below.

**Fertilizer:** 100 lbs N + 30 lbs P + 12 lbs S + 0.5 lbs Micronutrients via planter and sprayer 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	82 A*	299.30
Aegis® ESR	79 A	274.85
P-Value	0.1049	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.

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