

Corn Omission-Addition Trial

Envita Results

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Trial Specifications

Location

Champaign, IL

Field Preparation

**Fall Chisel +
Spring Field Cultivation**

Previous Crop

Soybean

Hybrid

G14N11

Standard Management vs. Enhanced Management In Corn

Management System

Management Practice

Standard †

Enhanced †

Population

36,000

44,000

Pre-Plant N

160 lbs as UAN

160 lbs as UAN

In-Furrow Biological

None

Envita (3.2 oz)

Upfront Fertility

None

80 lbs P₂O₅ and 60 lbs K₂O

In-Season Fertility

None

60 lbs N

Foliar Protection

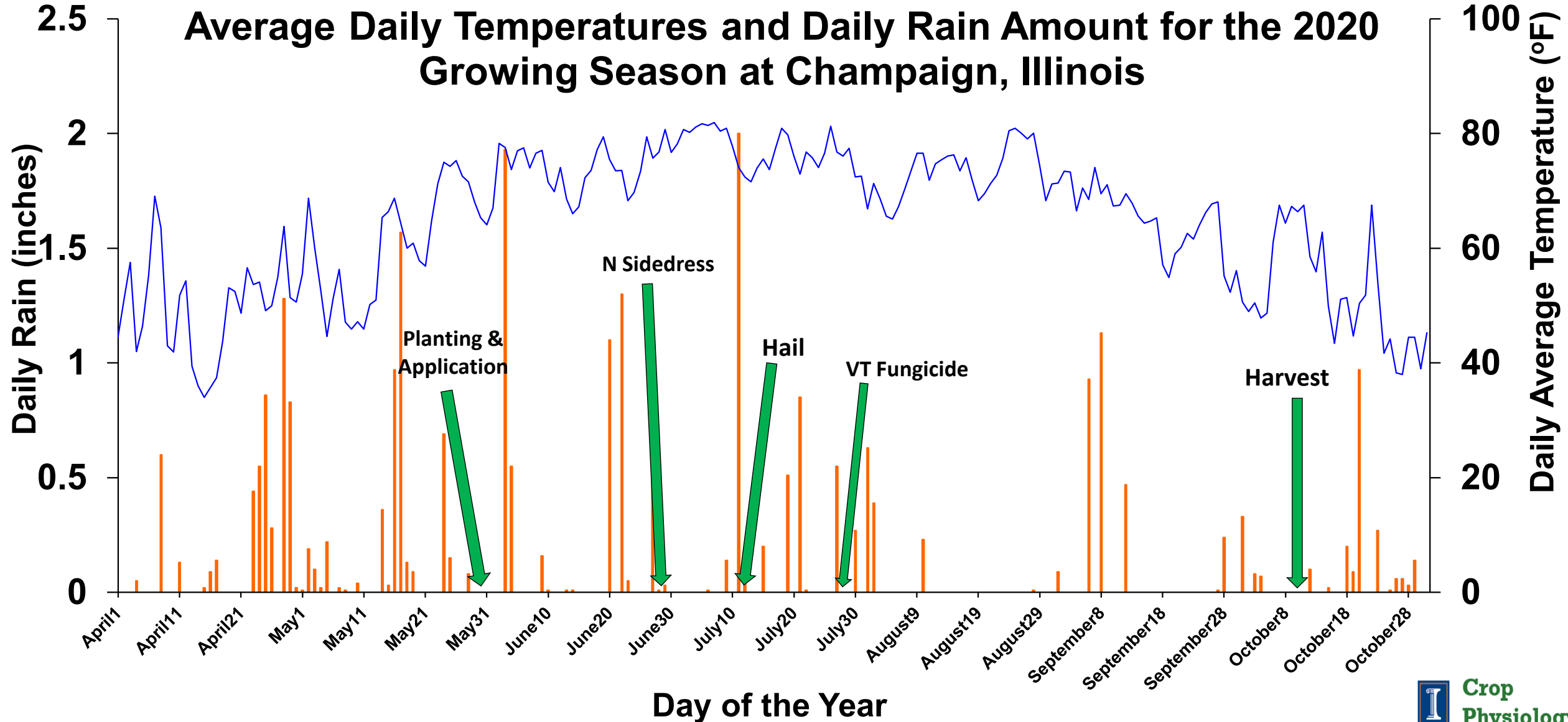
None

**Fungicide + Insecticide @ VT
Growth Stage**

† All rates applied on a per acre basis

Weather Data for Champaign, IL 2020

Average Daily Temperatures and Daily Rain Amount for the 2020 Growing Season at Champaign, Illinois



Effect of Envita on Corn Grain Yield

Treatment	Yield	Δ
	———— bushels per acre ————	
Standard Management	99	
Standard Management with Envita	98	- 1
Enhanced Management	112	
Enhanced Management without Envita	99	- 13*

Average of 20" & 30" rows at Champaign, IL during 2020.

Key Takeaways

- **There was an intense hail storm on July 11th that led to 50% leaf defoliation, followed by a dry August during grain fill. These weather events resulted in below-average yields for the Champaign area.**
- **Adding Envita to a standard system resulted in no change in grain yield from the control treatment**
- **Removing Envita from an enhanced system resulted in a 13 bushel per acre loss, indicating response to Envita is optimized under a full management production system**