

## Help Reduce Yield Loss From Environmentally Stressful Conditions.

Sosdia Stress® abiotic stress mitigator contains proline, which protects plant cells, reduce water loss, and improve stomata function. These functions support plant productivity and yield potential in times of abiotic stress such as drought, heat, salinity and ultraviolet light. Sosdia Stress enhances plant resilience and growth because it maximizes yield potential by helping the plant manage water stress better, protects the plant proteins and cell membranes and helps prevent plants from "shutting down" due to extreme conditions.

Sosdia Stress is expertly formulated to provide sufficient amounts of proline to maintain optimal crop performance during drought stress. Sosdia Stress is a foliar application proven to mitigate crop stress during seasonal water shortage in several row crops. Nearly every growing season includes dry or hot periods that can limit crop growth and productivity; use Sosdia Stress to help protect crop health in an unpredictable environment.

## Drought Effects On Corn Vegetative Phases:

**V6 – V8:** Can reduce kernel rows

**V8 – V17:** Can reduce kernels per row

### Pollinating Corn:

- Delayed silk development
- Reduced silk elongation
- Silk desiccation
- Reduced pollen viability

### Grain Fill:

- Reduced test weight
- Kernel abortion near tip
- Premature maturity

## Corn Yield Loss Estimates\*

when stress occurs for four or more consecutive days.

Corn Stage	Loss Per Day
Early Vegetative (VE-V12)	1 – 3
Late Vegetative (V12-VT)	2 – 5
Pollination to Blister (R2)	3 – 9
Milk (R3)	3 – 6
Dough (R4)	3 – 5
Dent (R5)	2 – 4
Maturity (R6)	0

## 2023 U.S. Trials | 86 trials

Across Broad Geography and Application Timings

**+1.3** bu/A Average

## V4-V7 Applications | 2018 – 2020

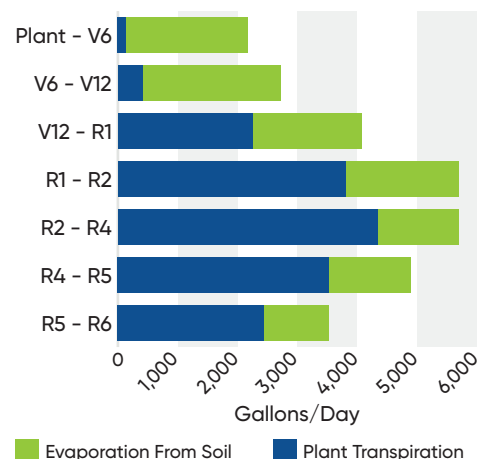
**+1.6** bu/A Average  
**50% Win Rate**  
at 3.2 fl oz/A

## VT Applications | 2018 – 2021

**+6** bu/A Average  
**71% Win Rate**  
at 3.2 fl oz/A

## Daily Water Evapotranspiration

Estimate to Produce an Acre of Corn | Iowa



\*Licht, M., & Archontoulis, S. (2017, July 21). Influence of drought on corn and soybean. Influence of Drought on Corn and Soybean | Integrated Crop Management. [crops.extension.iastate.edu/cropnews/2017/07/influence-drought-corn-and-soybean](https://crops.extension.iastate.edu/cropnews/2017/07/influence-drought-corn-and-soybean)

For more information on Sosdia Stress, please contact your local Corteva Agriscience territory manager or call **800-258-3033**.

