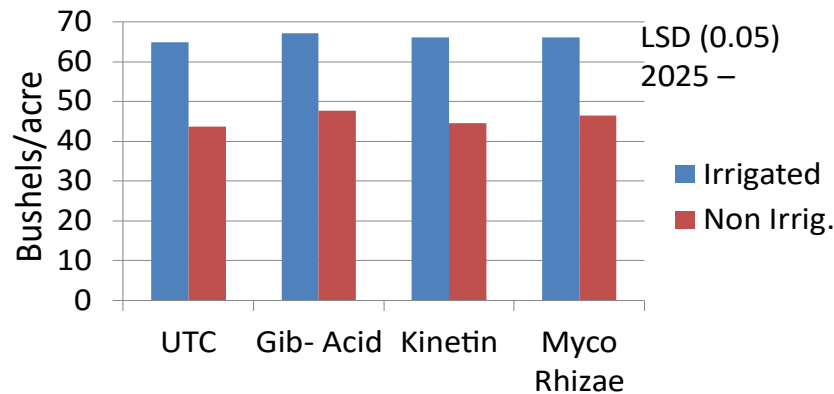


Holding On to Soybean Flowers and Pods During Kansas' Hot and Dry Summers

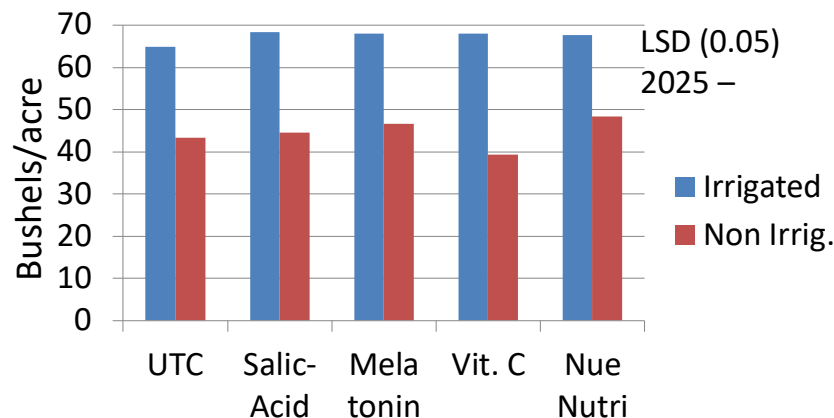
James H. Long PhD

1. Determine the effects of spray additives to standard soybean treatments during the growing season in Kansas to retain more pods and seed thus increasing grain yield. Treatments will be applied under replicated field testing and grain yield and yield components will be determined for each treatment.

2025 PGR Effect on Soybean Grain Yield



2025 Novel Treatment Effect on Soybean Grain Yield

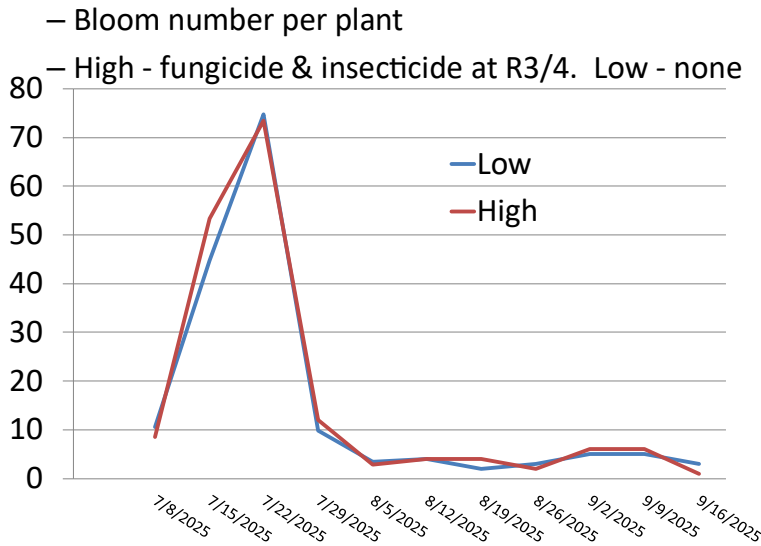


2. As a part of this study I will attempt to determine the soybean growth stages most susceptible to abiotic stresses such as heat and drought so that producers can effectively modify management practices that will increase grain yield.

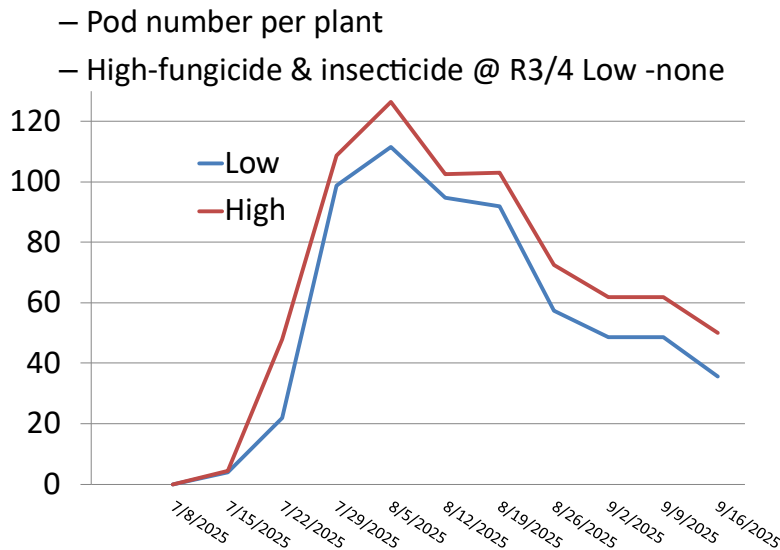
Holding On to Soybean Flowers and Pods During Kansas' Hot and Dry Summers

James H. Long PhD

2025 Management Effect on Blooms



2025 Management Effect on Pods



- Determine if the use of spray additives in connection with high management affect disease of soybean. Specifically look at charcoal rot which affects soybean across the state and secondarily foliar diseases. Samples for charcoal rot analysis were taken Nov. 14 and are not yet done. Stems will be rated for Relative Stem Severity then if possible run for CFUs to quantify charcoal rot amounts in stem tissue.