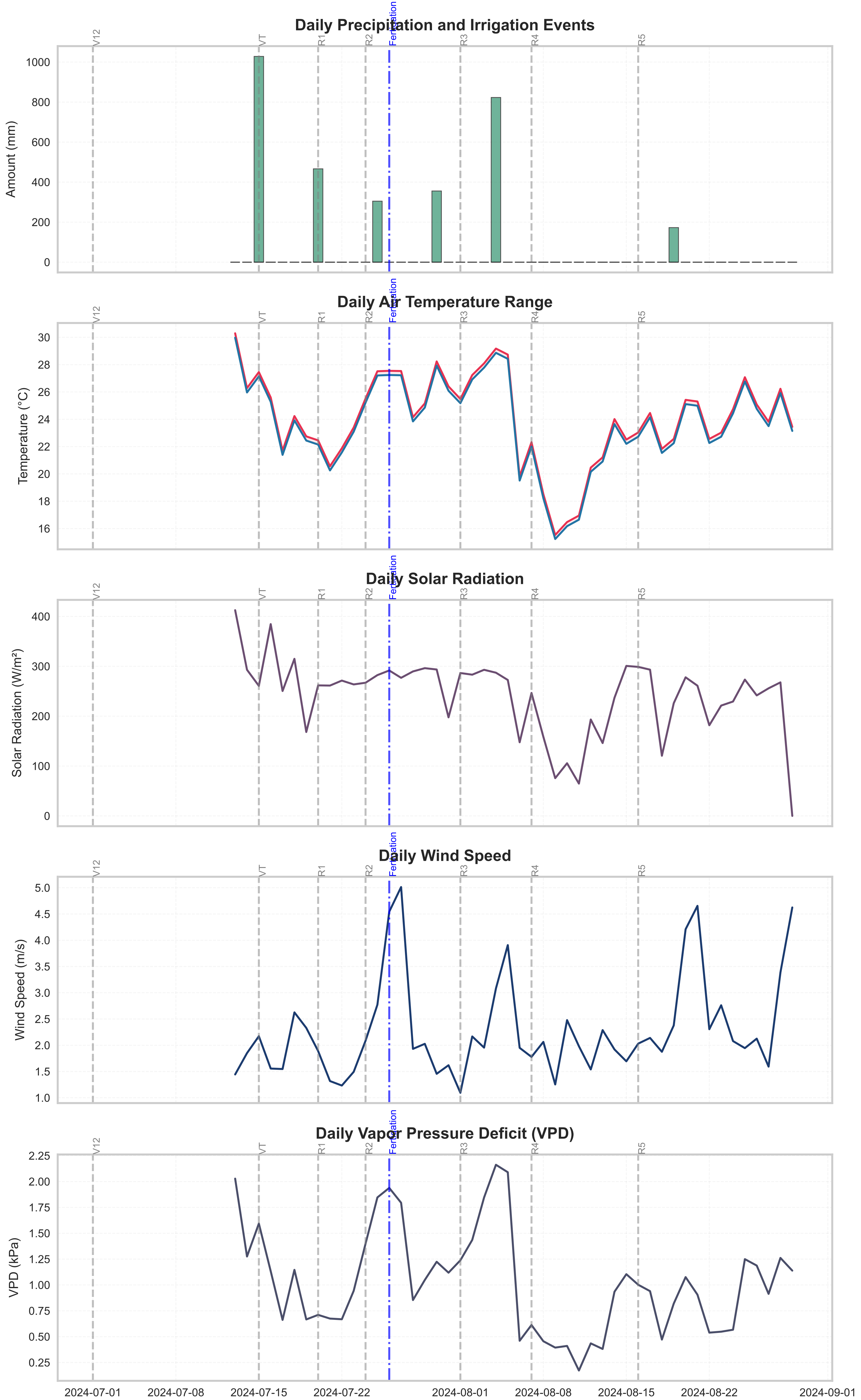
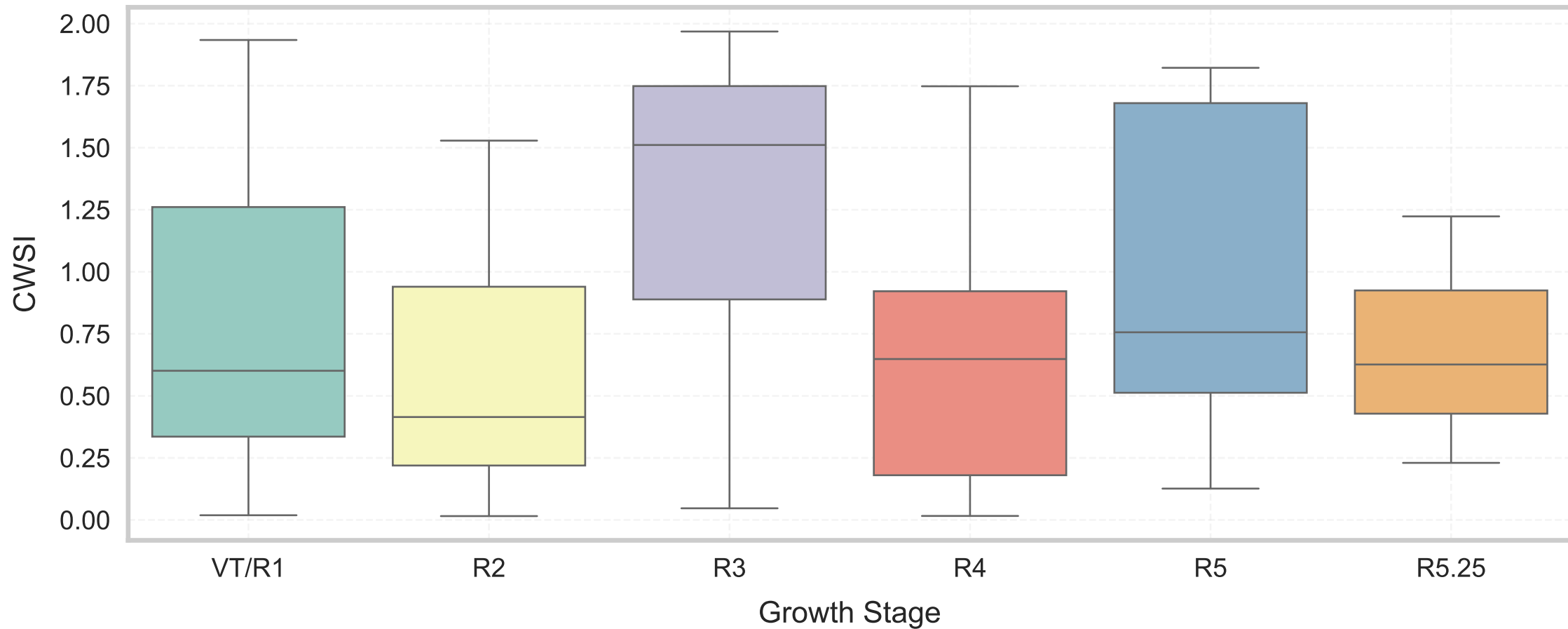


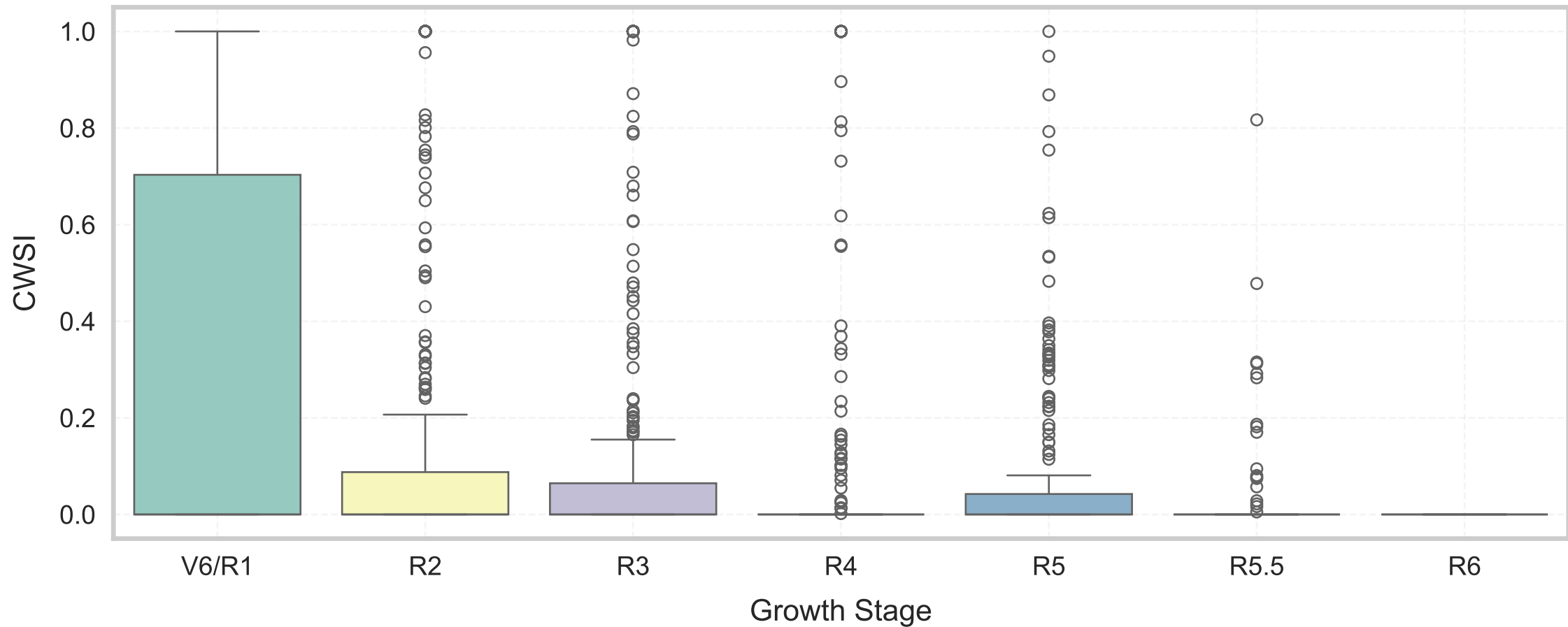
Figure 3: Seasonal Weather Patterns and Environmental Variables



# CWSI Distribution by Growth Stage (Corn)

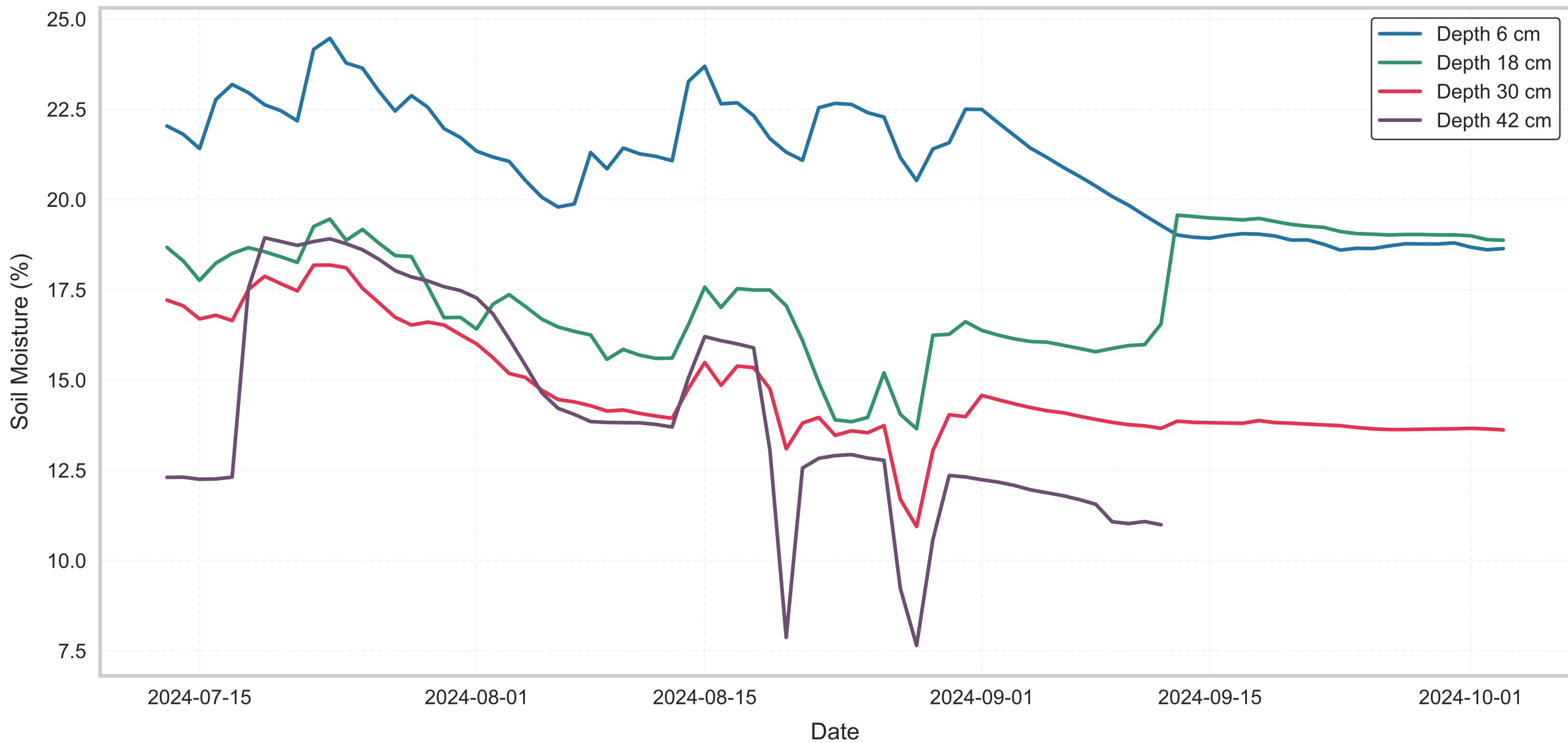


# CWSI Distribution by Growth Stage (Soybeans)

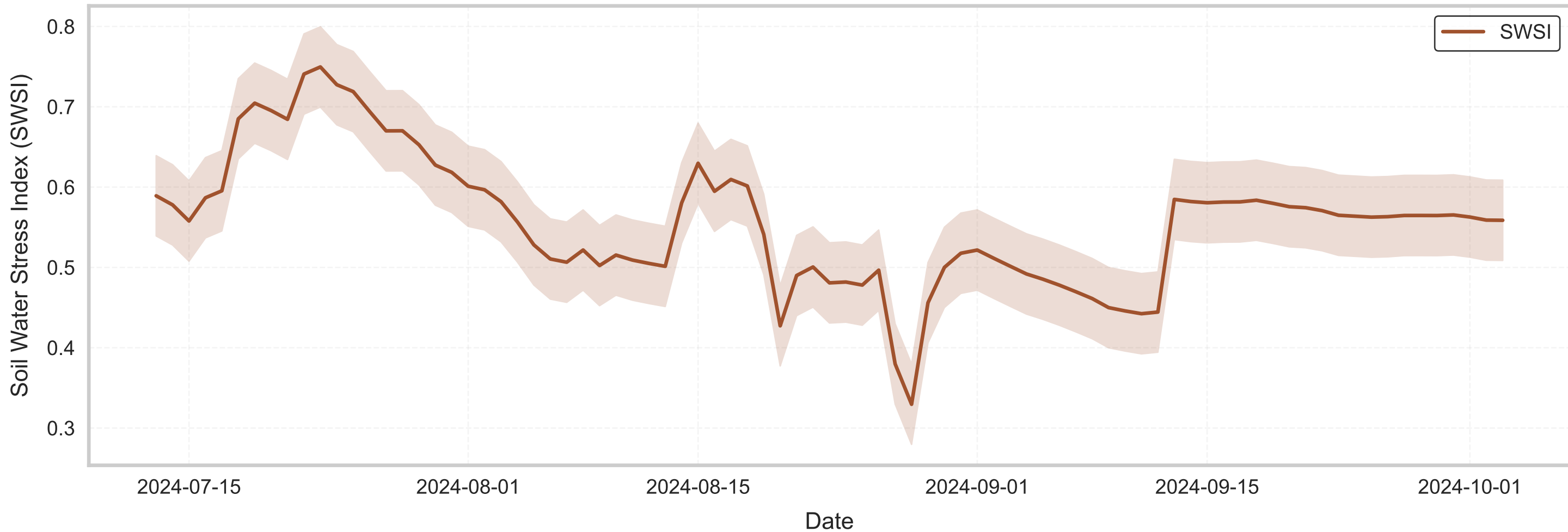


# Figure 5: Soil Moisture Monitoring and SWSI Calculation

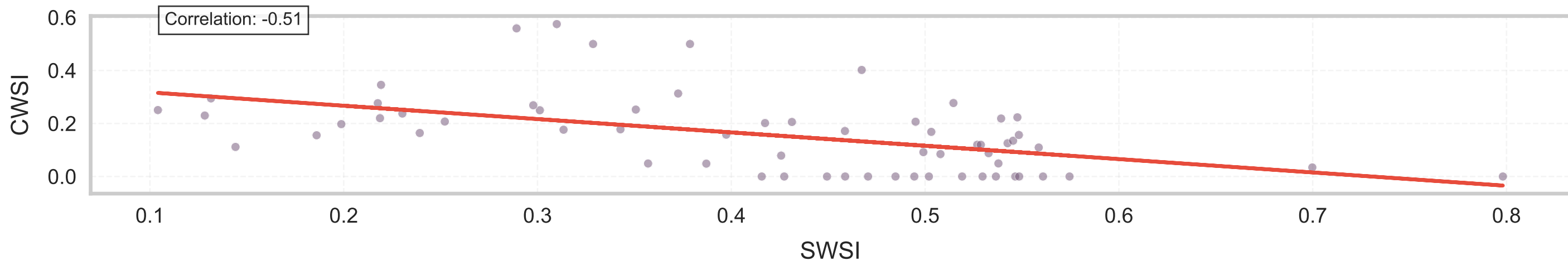
## Soil Moisture at Different Depths Over Time



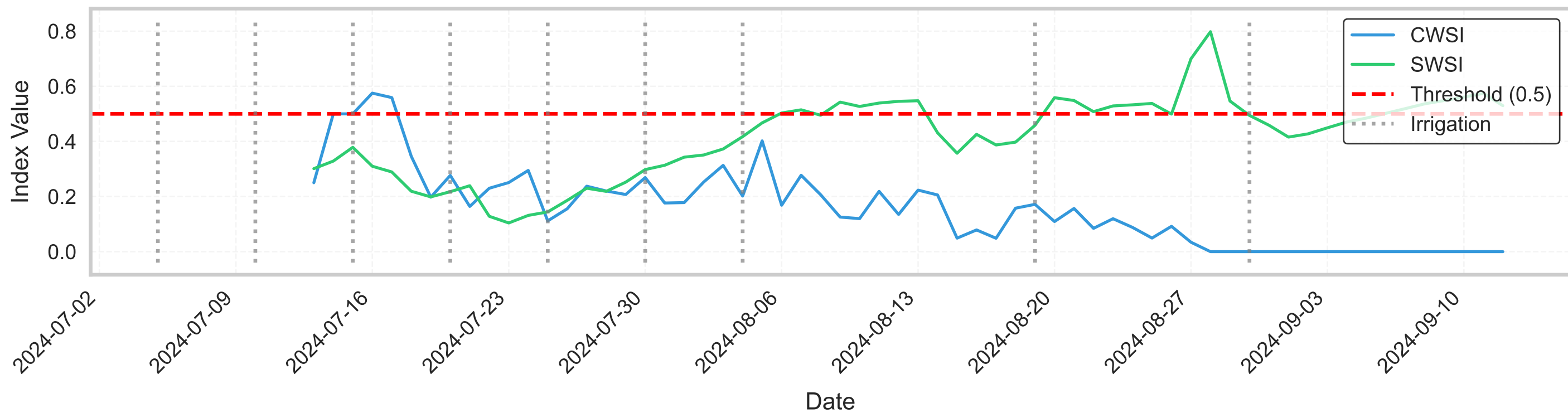
**Figure 5: Soil Moisture Monitoring and SWSI Calculation**  
**Soil Water Stress Index Over Time**



### Correlation between SWSI and CWSI



### CWSI and SWSI Over Time



### Index Values on Irrigation Days

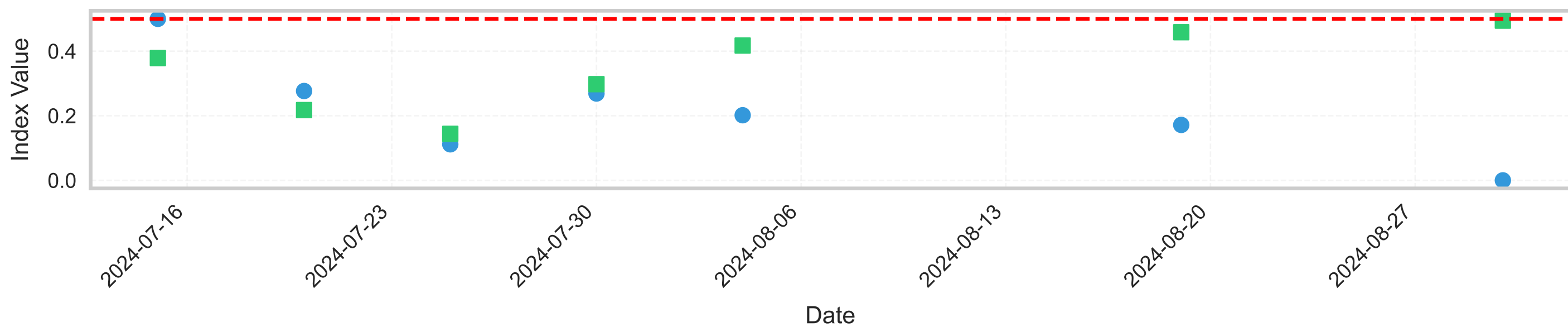
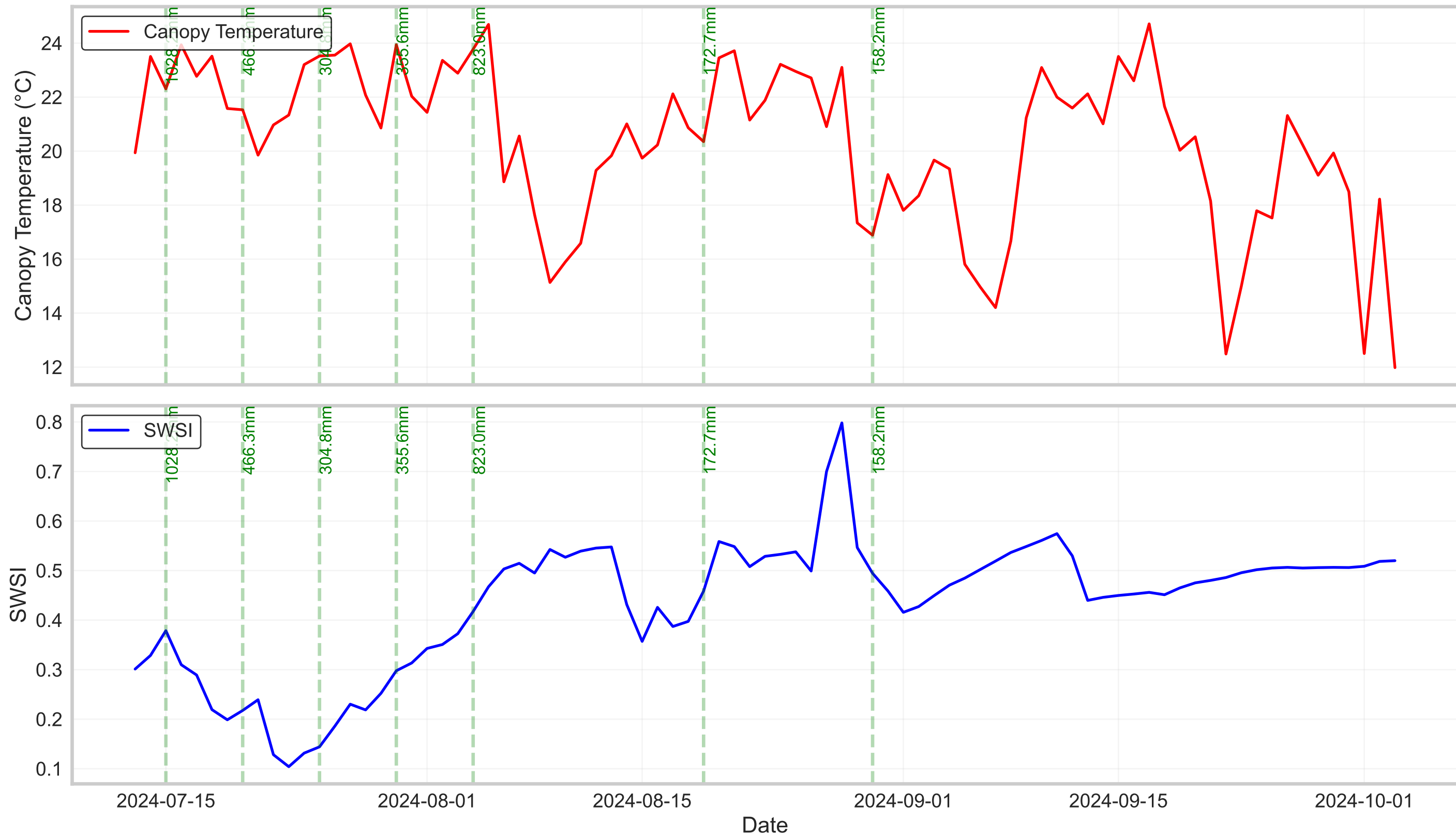
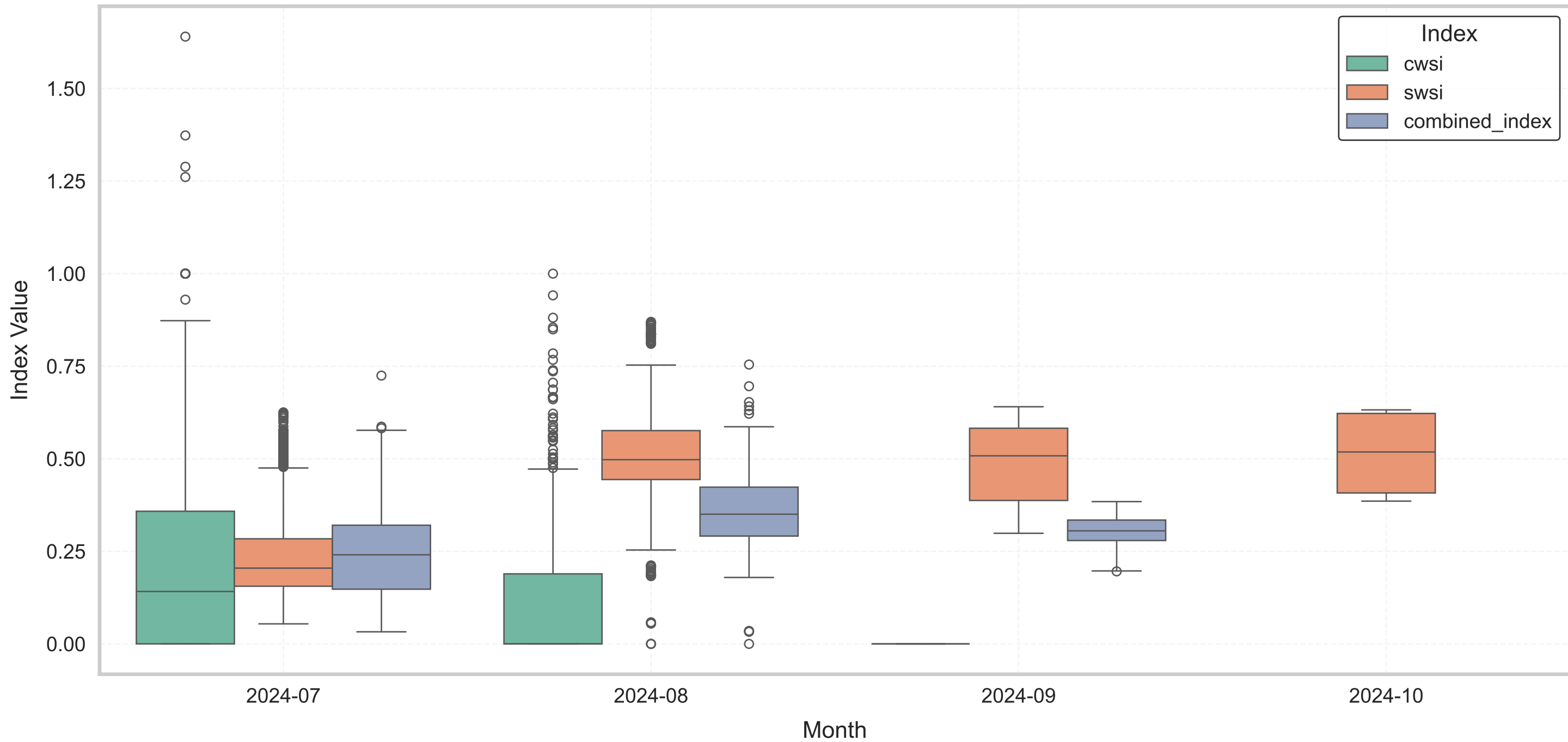


Figure 7: System Response Analysis

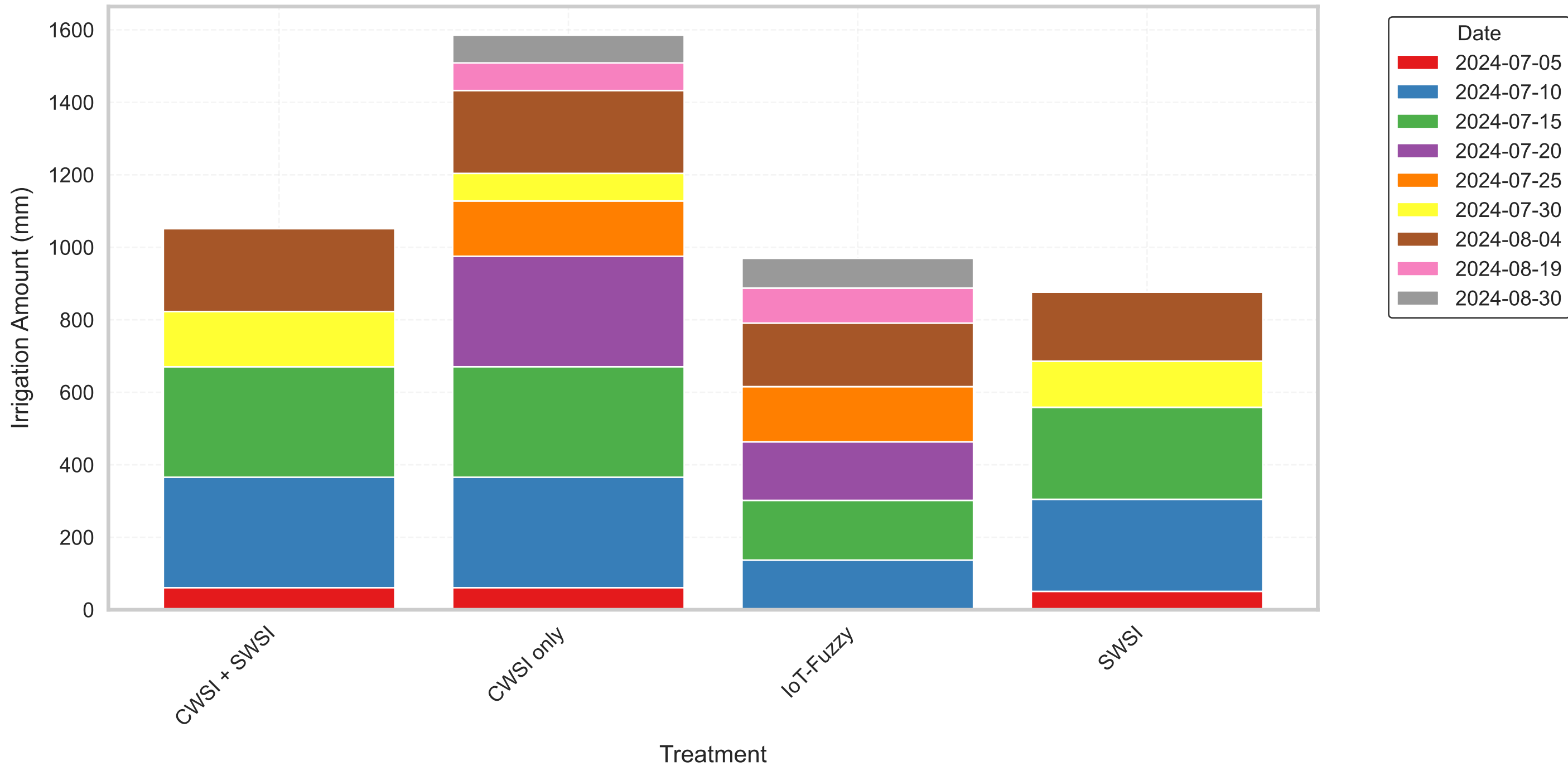


**Figure 8: Monthly Stress Index Distributions**  
**Monthly Stress Index Distributions Across Treatments**

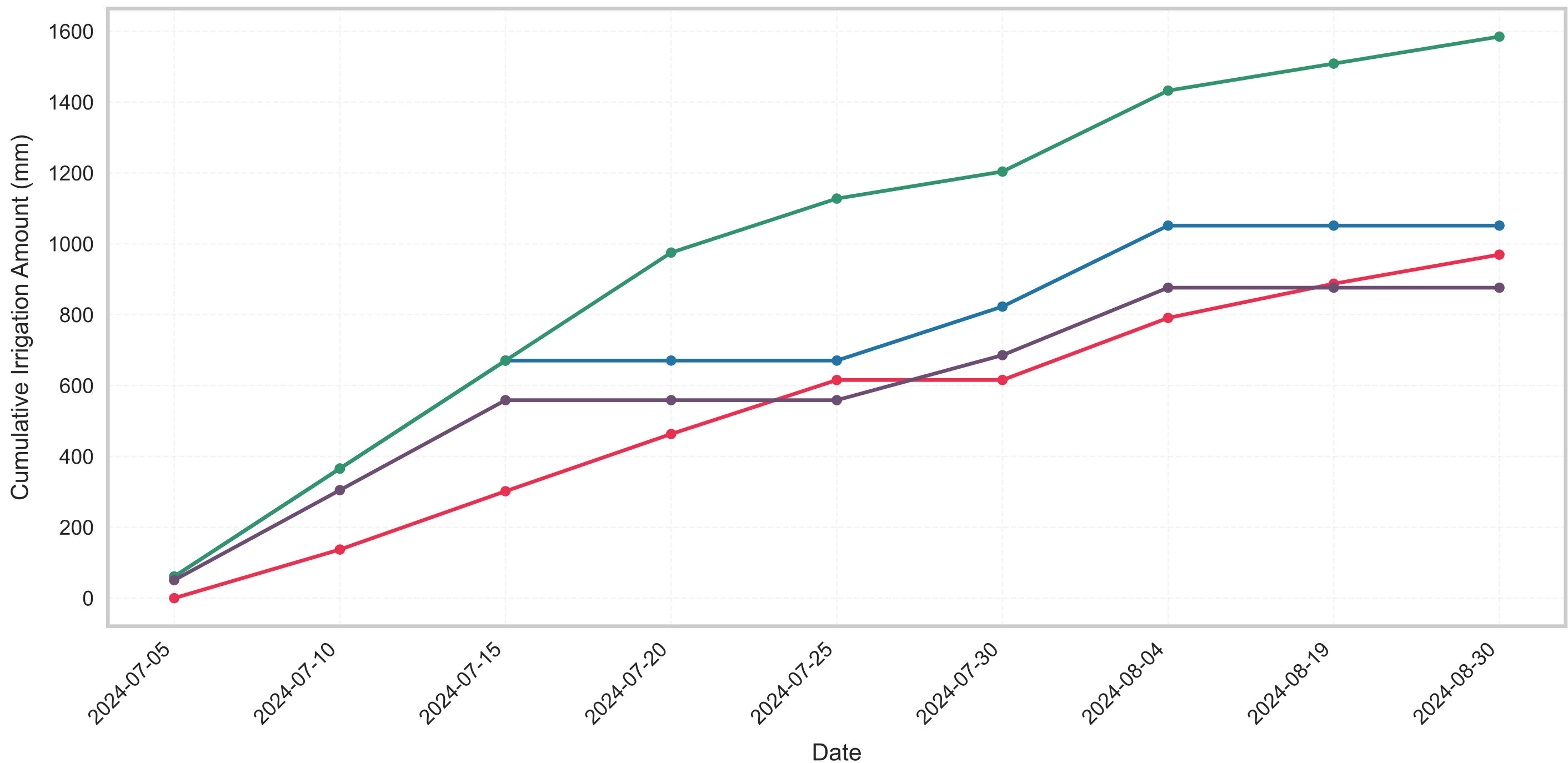




# Daily Irrigation Amounts by Treatment

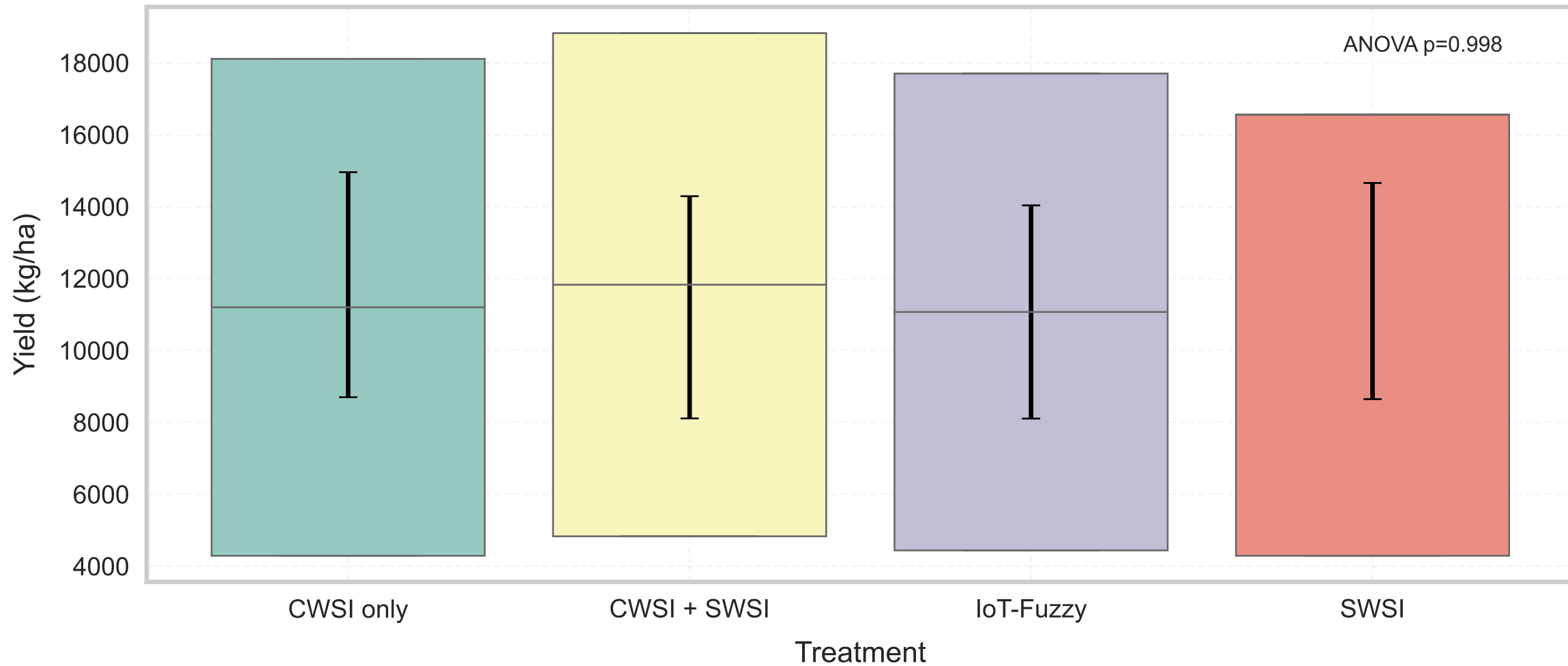


Cumulative Irrigation Amounts by Treatment

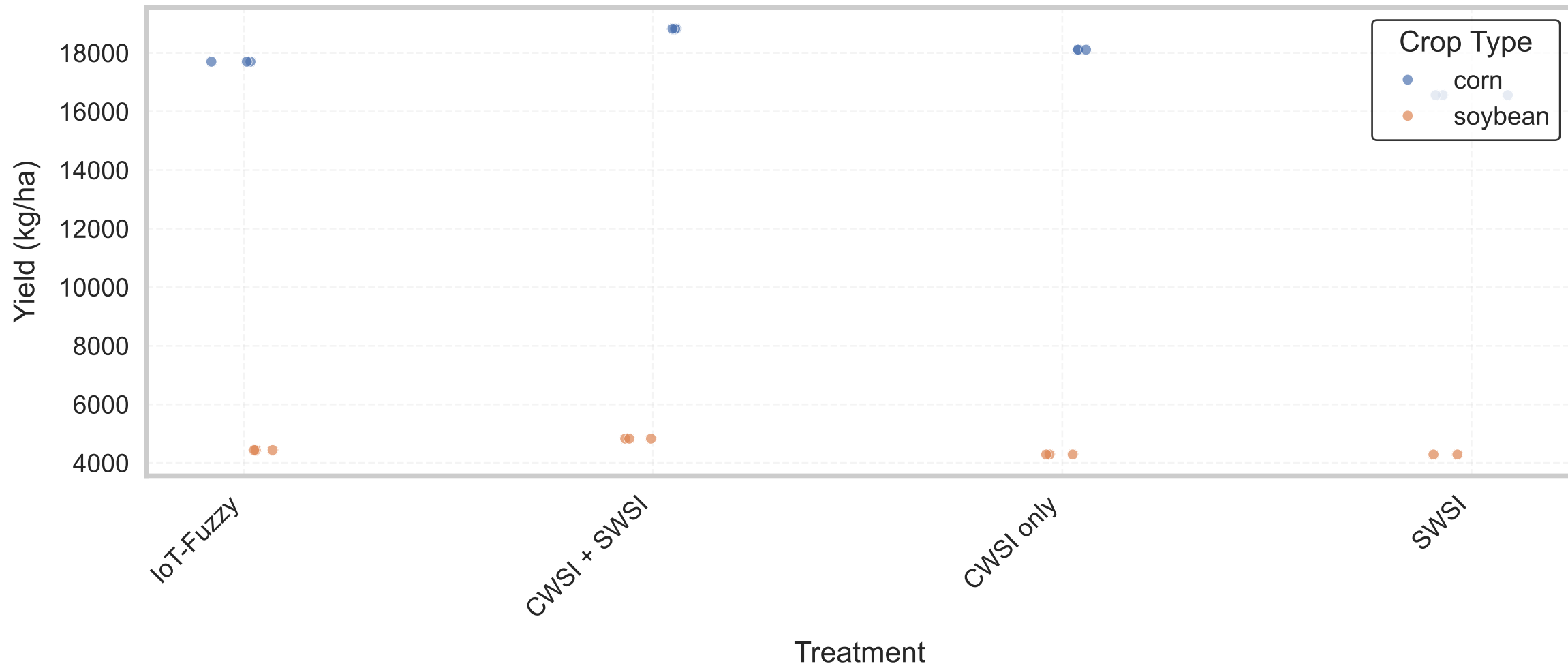


# Figure 10: Yield Distribution Analysis

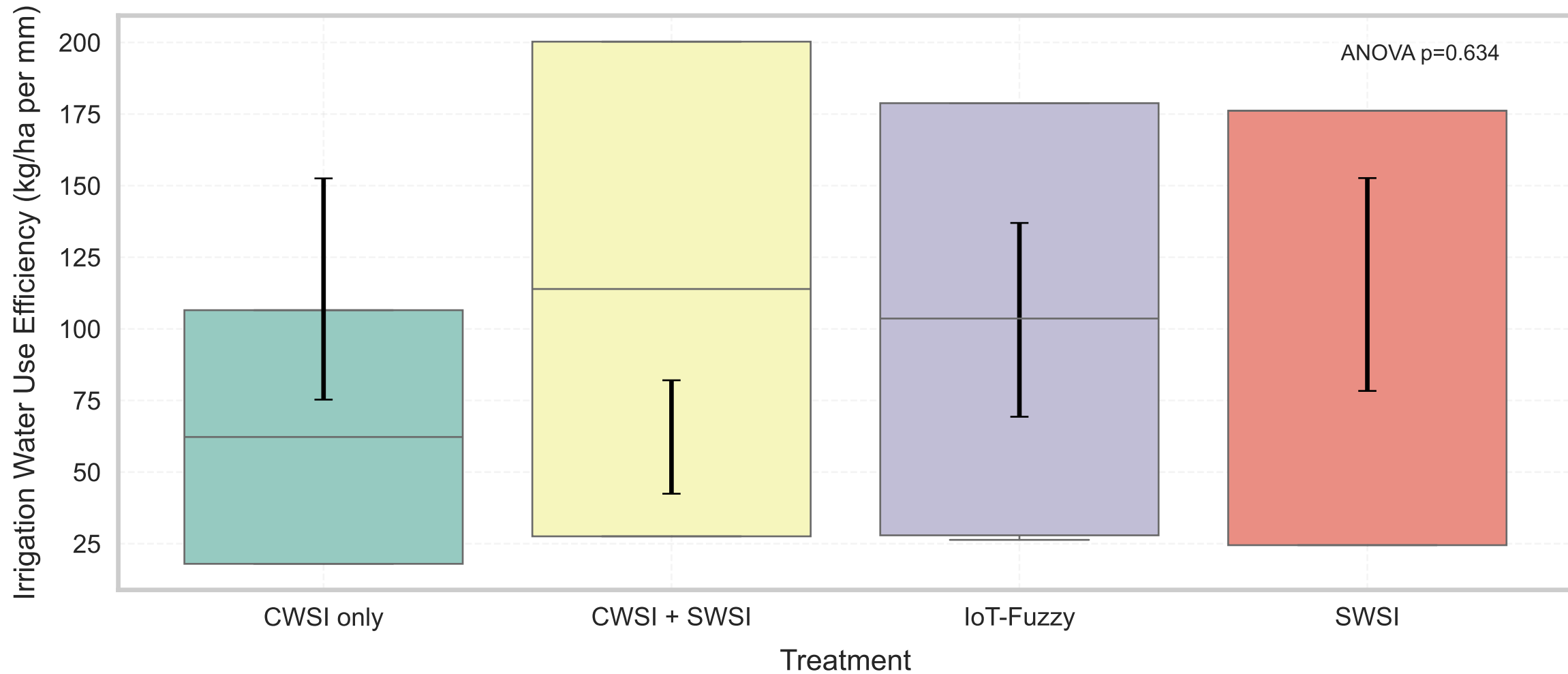
## Yield Distribution by Treatment



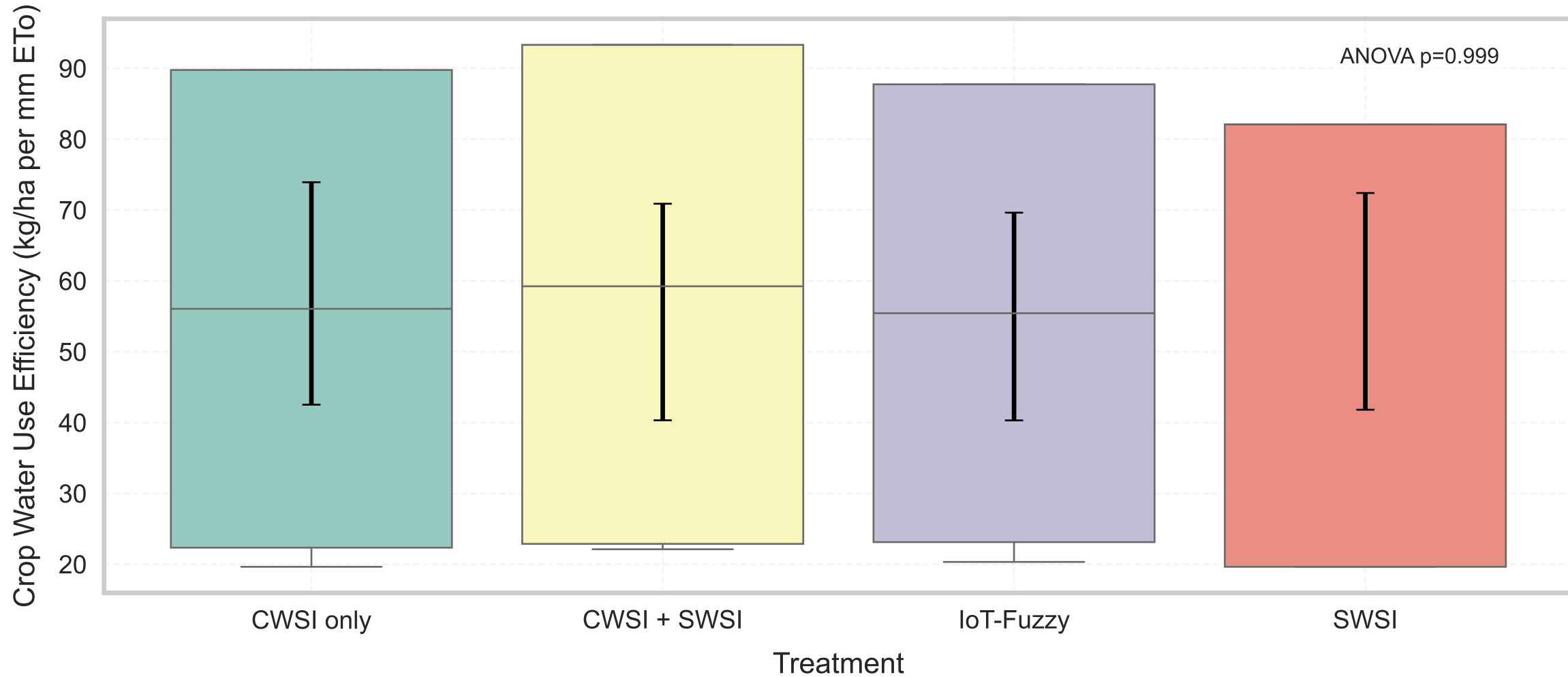
**Figure 10: Yield Distribution Analysis**  
**Individual Plot Yields by Treatment and Crop Type**



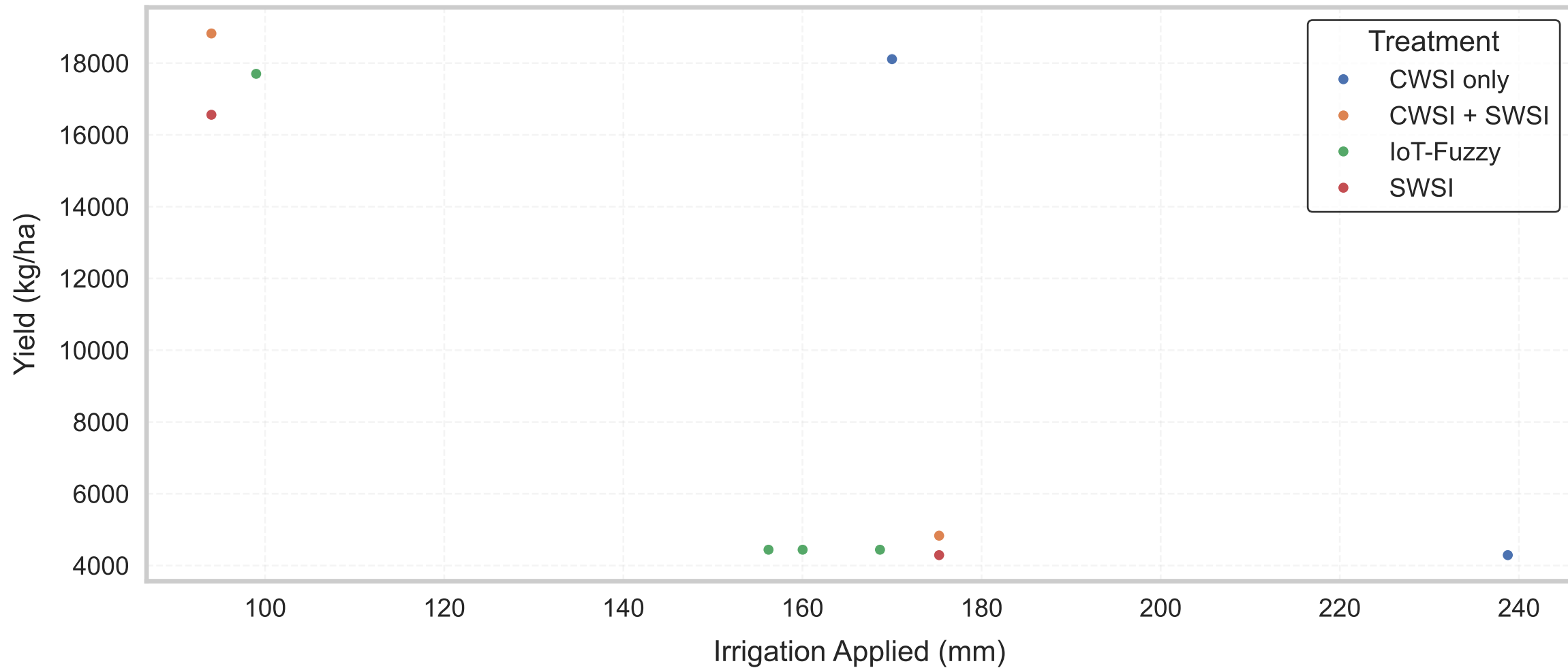
**Figure 11: Water Use Efficiency Metrics**  
**IWUE by Treatment**



**Figure 11: Water Use Efficiency Metrics**  
**CWUE by Treatment**



**Figure 11: Water Use Efficiency Metrics**  
**Relationship between Applied Water and Yield by Treatment**



# Dry Day

