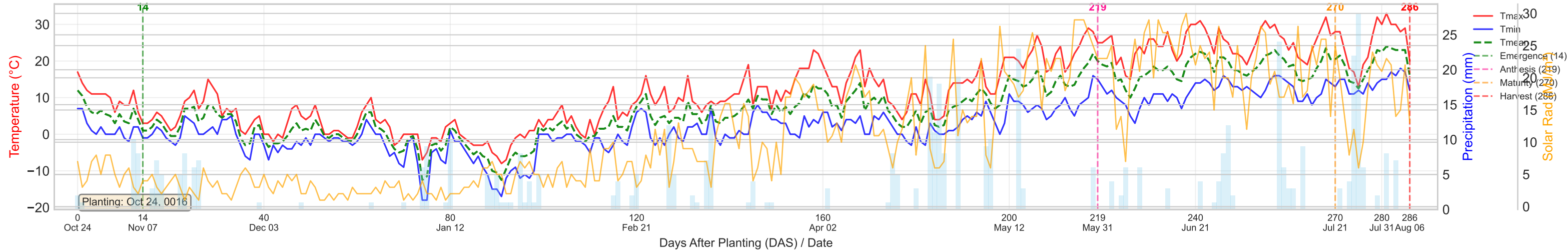


Phenology Markers:  
Green: Emergence (14 DAS)  
Pink: Anthesis (219 DAS)  
Orange: Maturity (270 DAS)  
Red: Harvest (286 DAS)

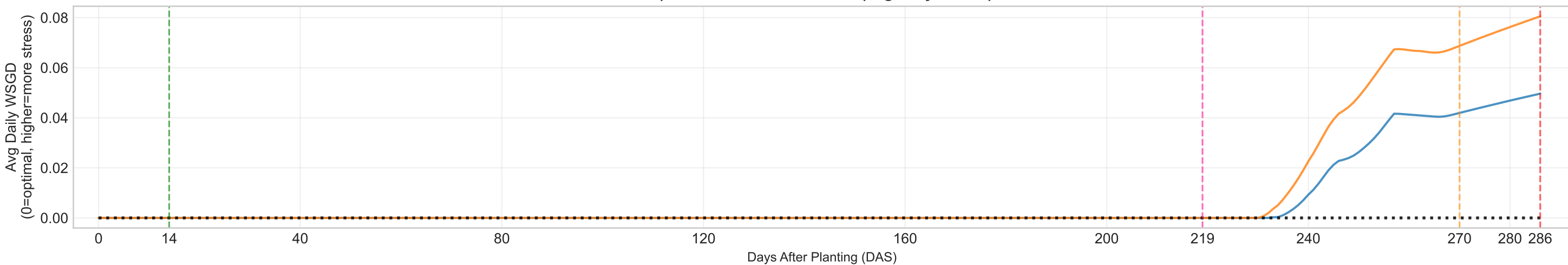
Duernast 2017 - Comprehensive Seasonal Analysis

3 Selected Treatments (Control, Medium N, High N) × Multiple Variables

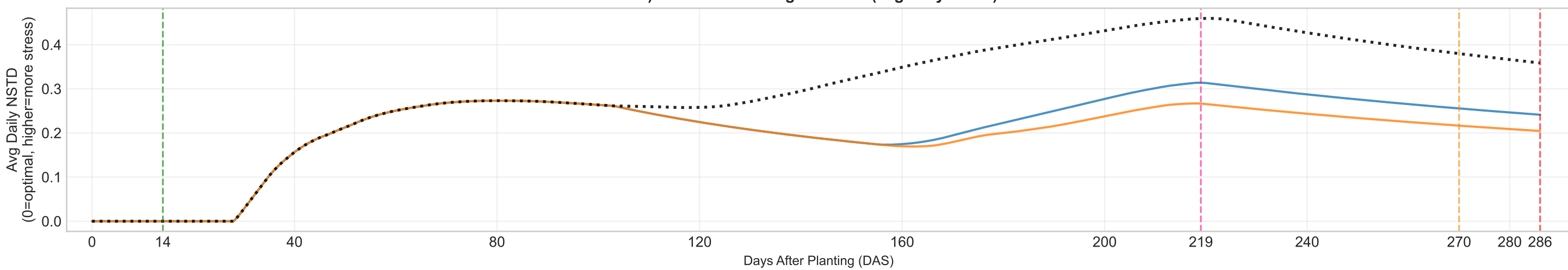
a) Weather Pattern (Tmax, Tmin, Tmean, Rain, Solar Rad)



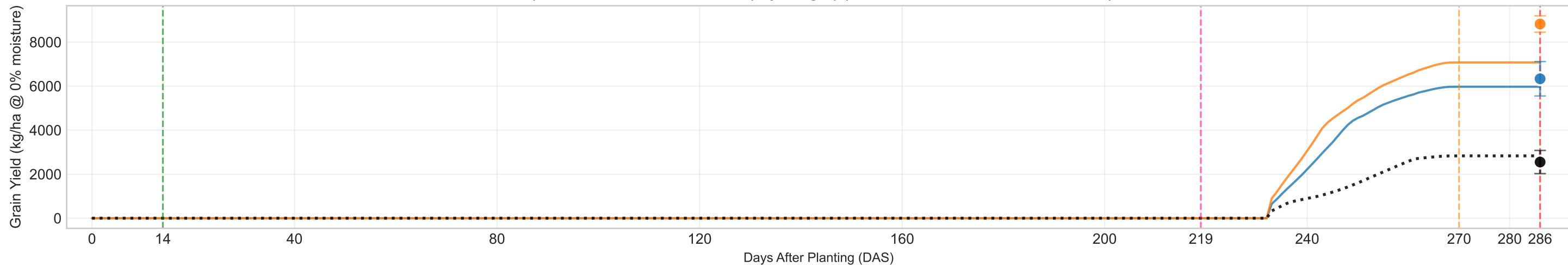
b) Cumulative Water Stress (avg daily WSGD)



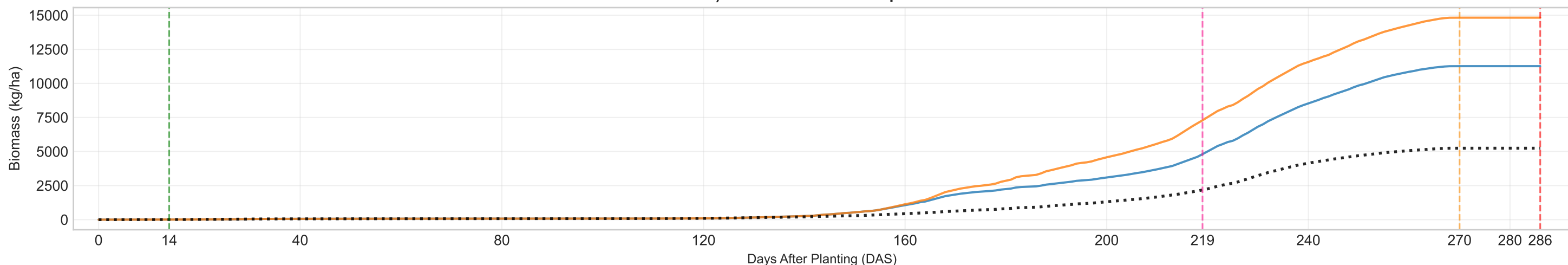
c) Cumulative Nitrogen Stress (avg daily NSTD)



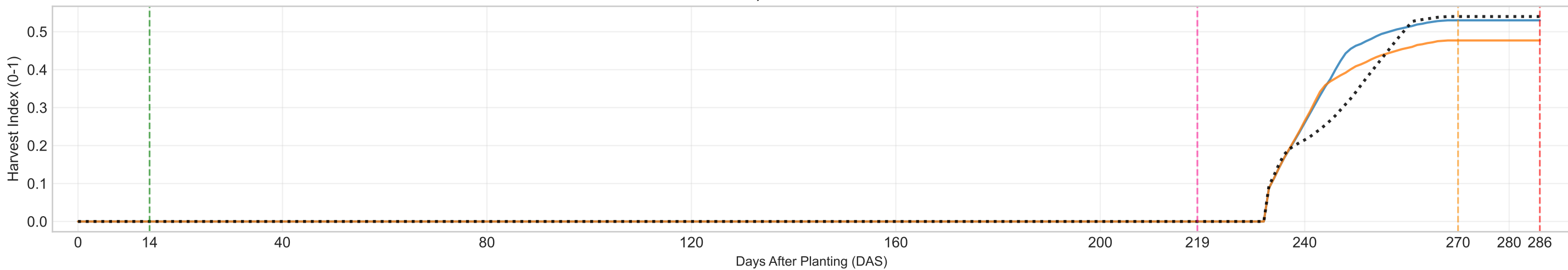
d) Grain Yield at 0% moisture (dry weight) (lines=simulated, circles=observed)



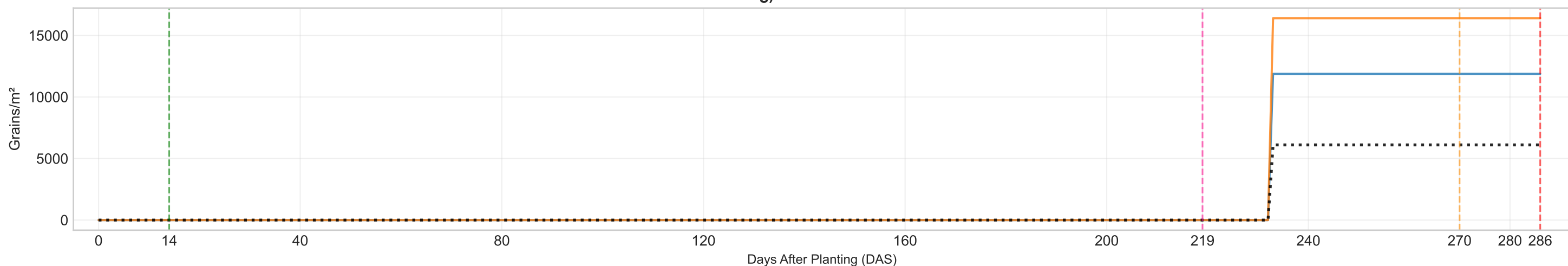
e) Total Biomass Development



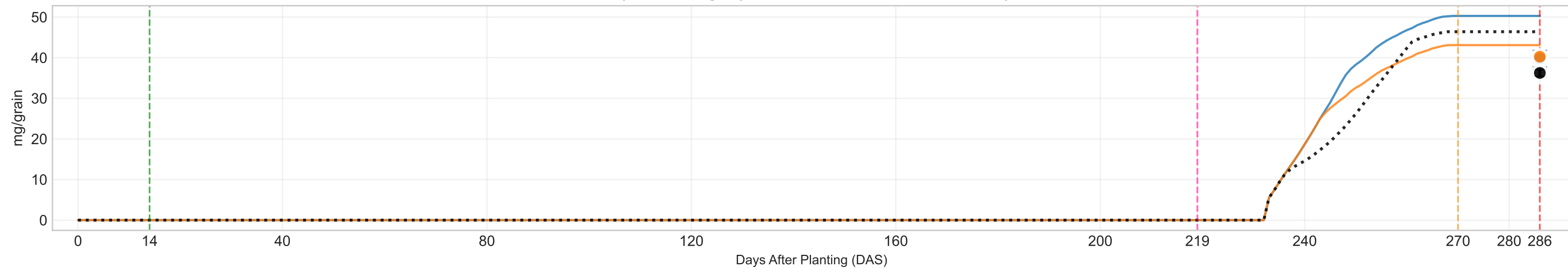
f) Harvest Index



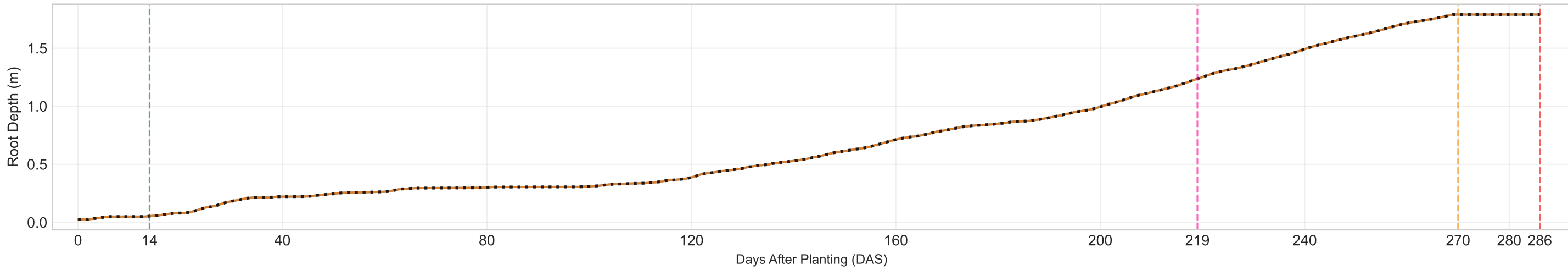
g) Grain Number



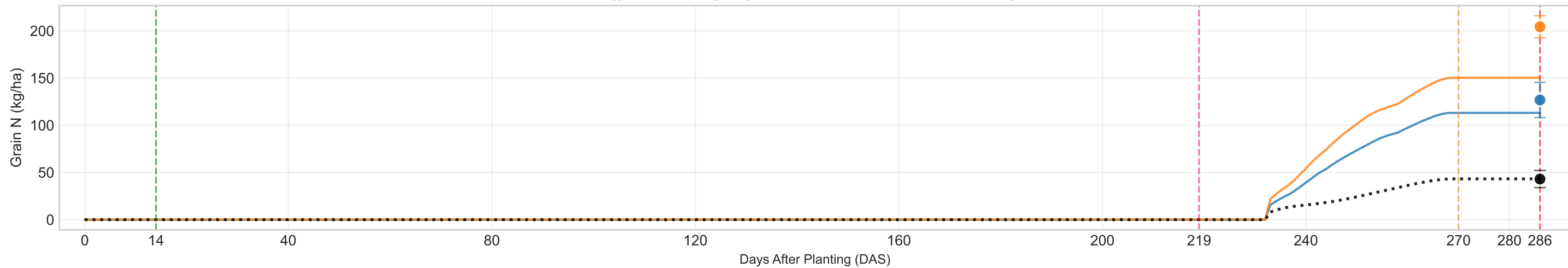
h) Grain Weight (lines=simulated, circles=observed)



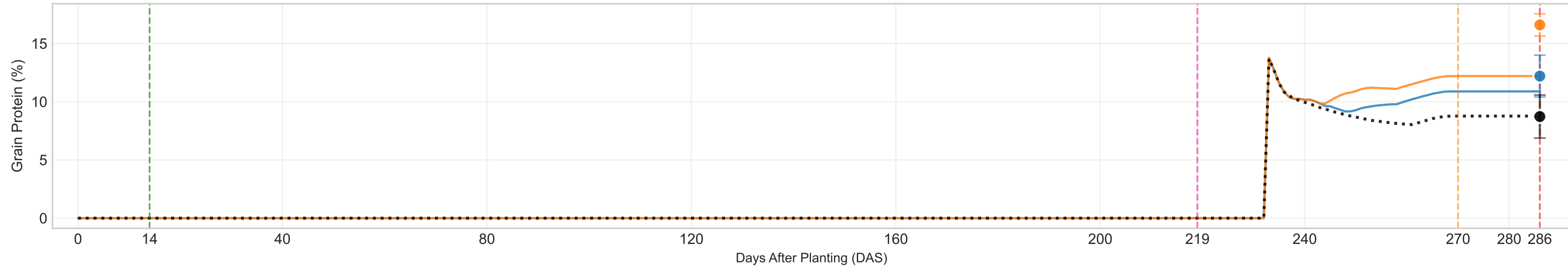
i) Root Depth



j) Grain Nitrogen (lines=simulated, circles=observed)



k) Grain Protein (lines=simulated, circles=observed)



l) Simulated vs Observed Yields (0% moisture)

