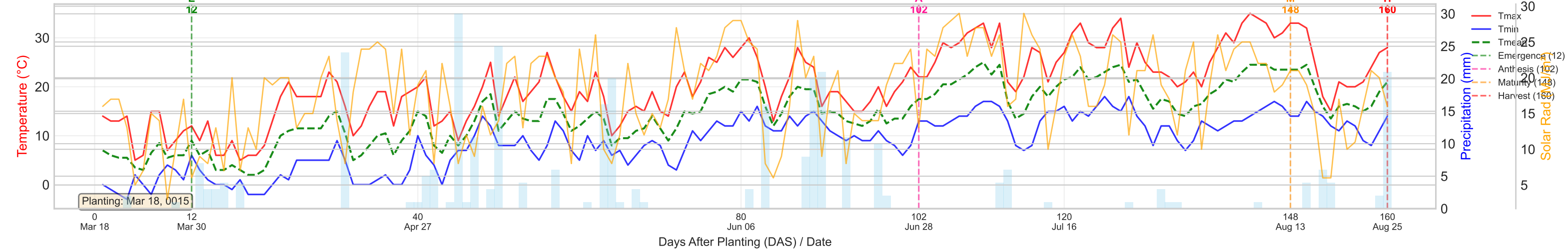


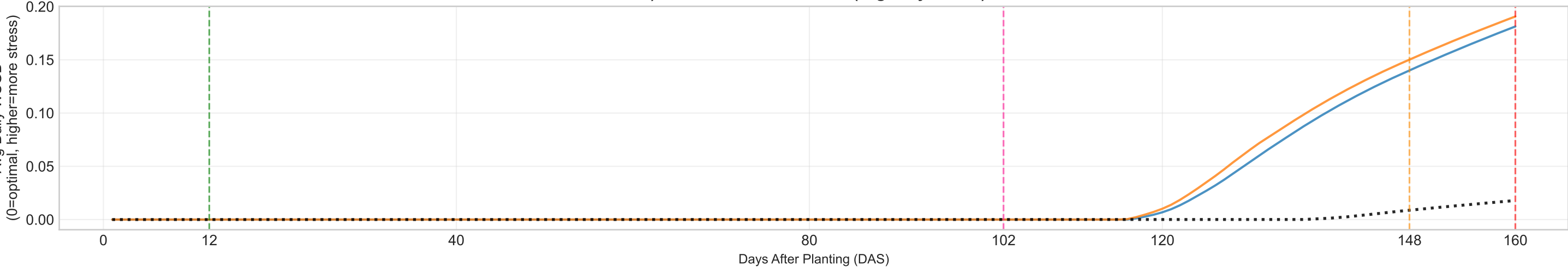
Phenology Markers:
Green: Emergence (12 DAS)
Pink: Anthesis (102 DAS)
Orange: Maturity (148 DAS)
Red: Harvest (160 DAS)

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

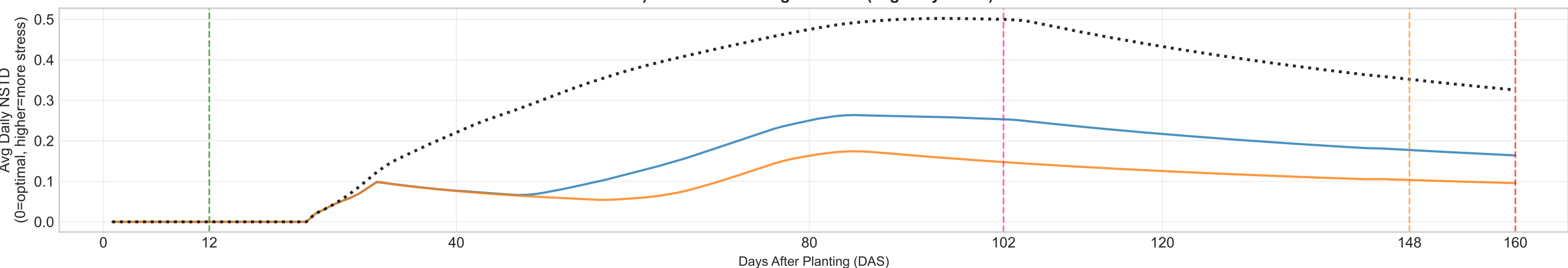
a) Weather Pattern (Tmax, Tmin, Tmean, Rain, Solar Rad)



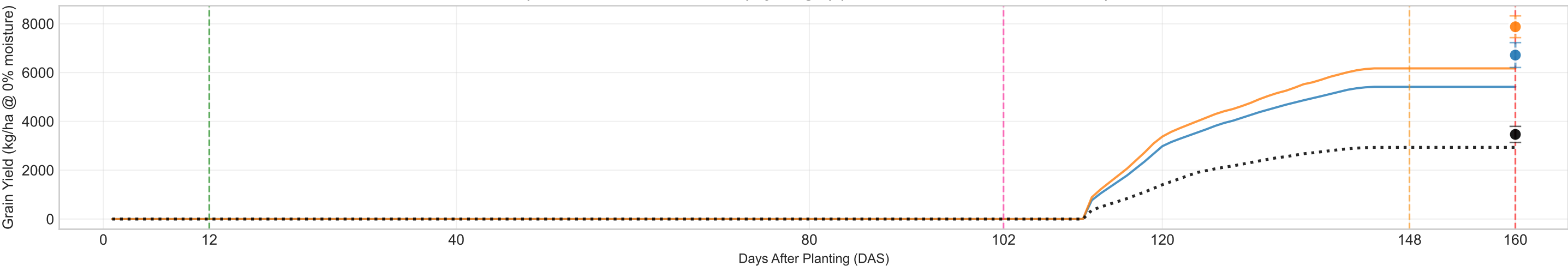
b) Cumulative Water Stress (avg daily WSGD)



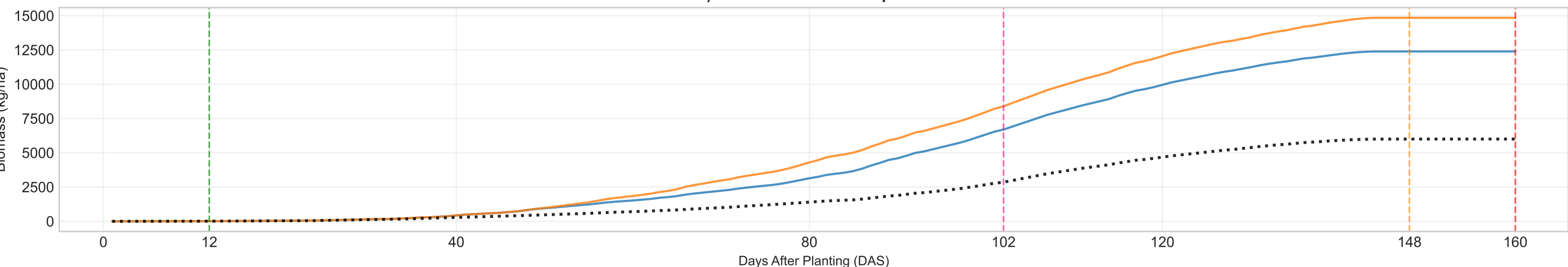
c) Cumulative Nitrogen Stress (avg daily NSTD)



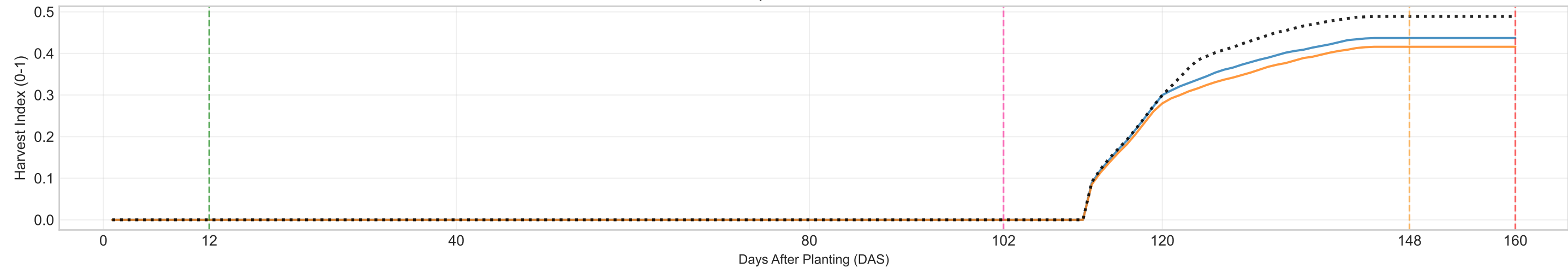
d) Grain Yield at 0% moisture (dry weight) (lines=simulated, circles=observed)



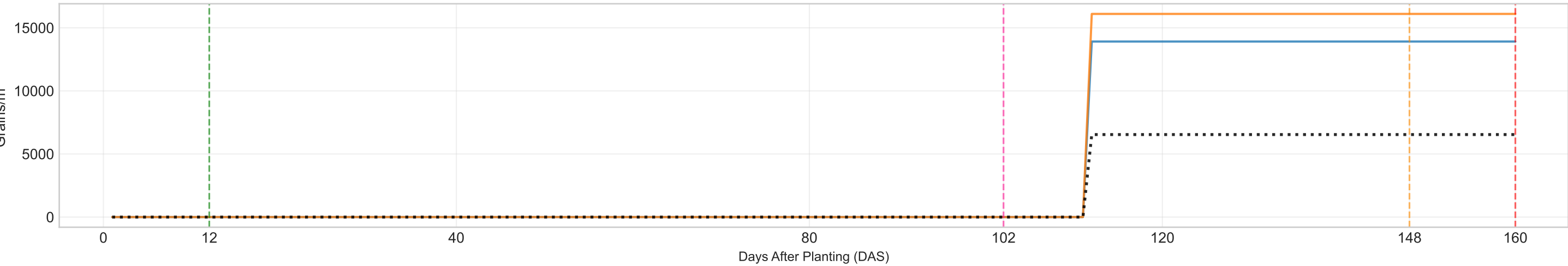
e) Total Biomass Development



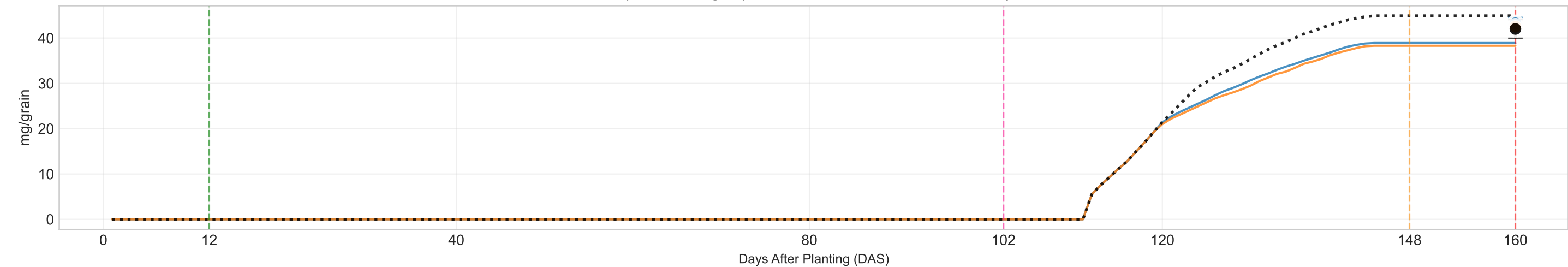
f) Harvest Index



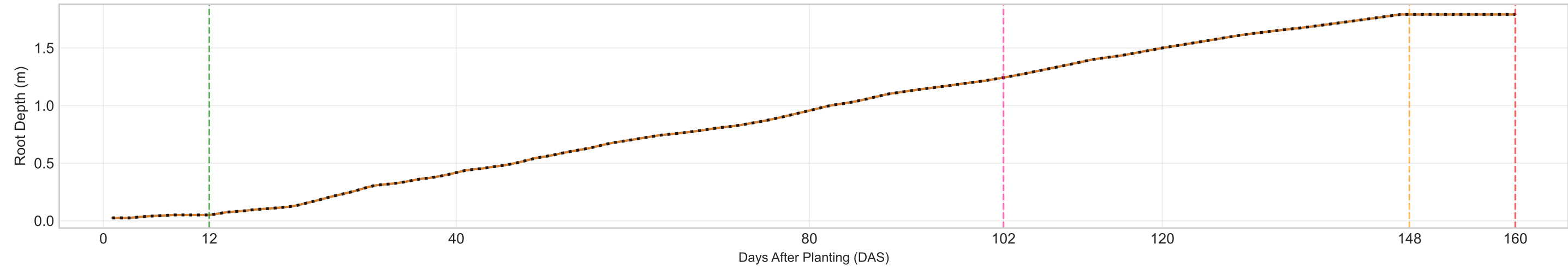
g) Grain Number



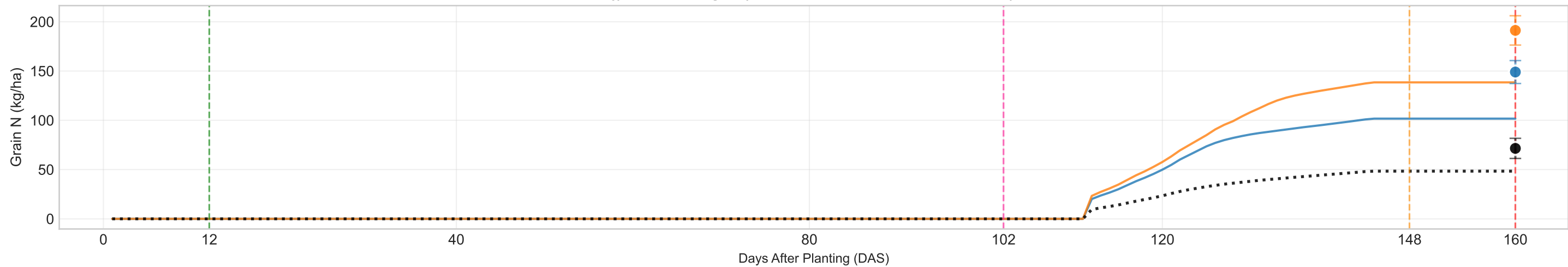
h) Grain Weight (lines=simulated, circles=observed)



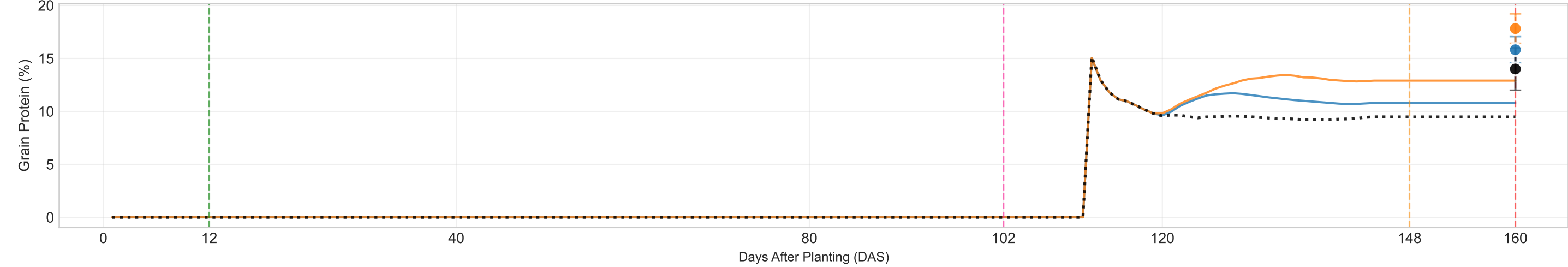
i) Root Depth



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



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



l) Simulated vs Observed Yields (0% moisture)

