

Communication

Supplementary figures for *Effect of Irrigation Timing on Root Zone Soil Temperature, Root Growth and Grain Yield and Chemical Composition in Corn*

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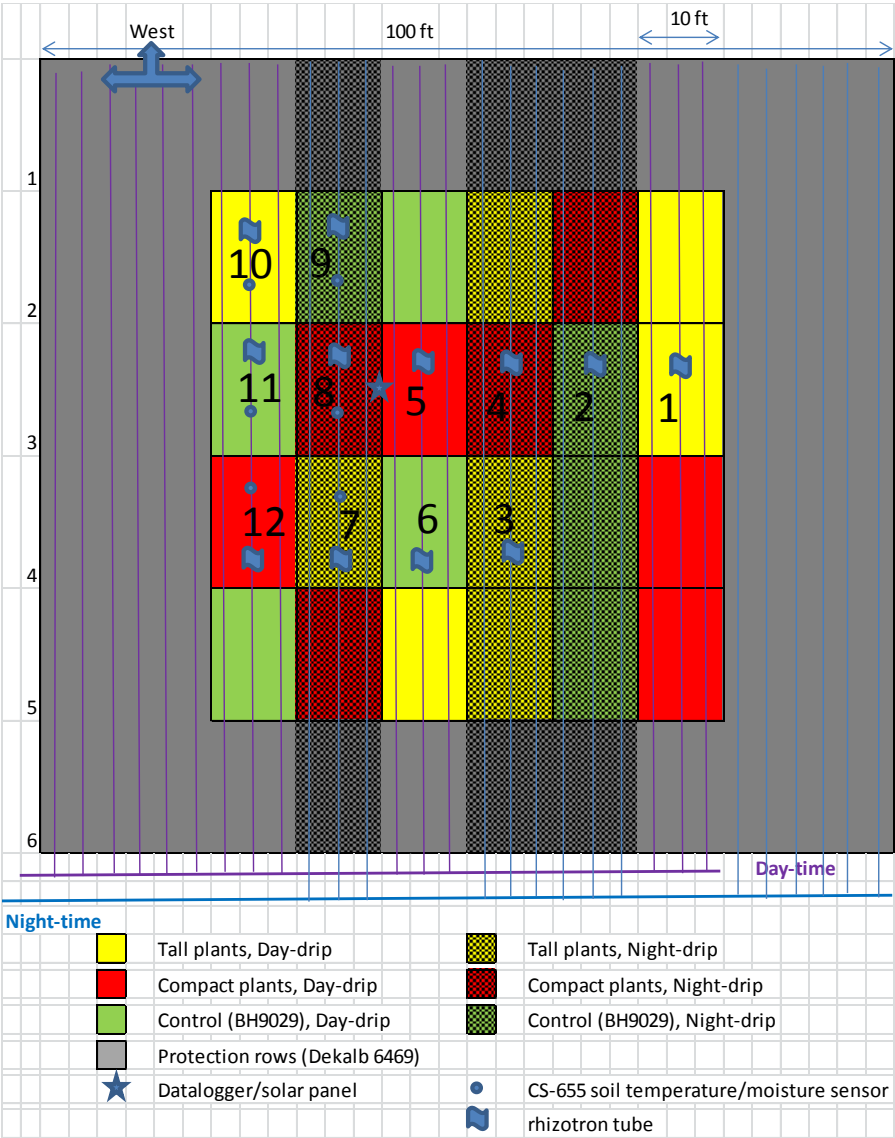
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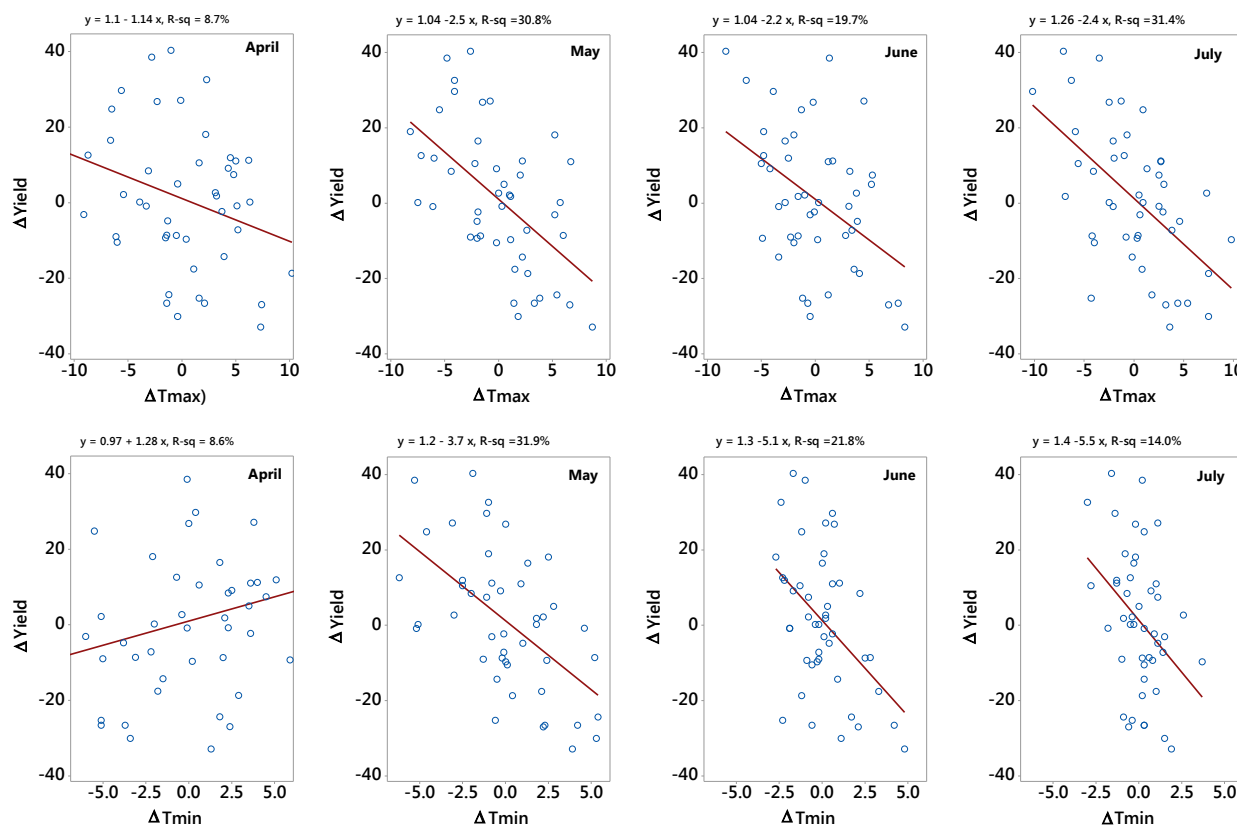
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Supplementary Materials Figure S1: Drip-irrigated corn plot layout, showing 24 plots ($3 \times 6 \text{ m}^2$ each) under day-time vs. night-time irrigation. Rhizotron tubes were installed in 12 plots (numbered) and soil temperature sensors (CS-655) were installed in 6 plots and recorded with a CR1000 datalogger (blue dots).



Supplementary Materials Figure S2: Scatter plots of first-differences of corn yield (bu/ac) and first-differences of monthly maximum and minimum temperatures from April to July in Uvalde County, Texas in 47 years (1968-2015; yield data missing in 2014). The first difference was calculated as the difference between temperatures (or yields) between two consecutive years within the 47-year time series (shown as Δ in figure). Also shown are best-fit linear regression lines and associated regression parameters. Historical weather data were obtained from National Climatic Data Center (<http://www.ncdc.noaa.gov/cag/time-series/us>) and corn yield data from USDA - National Agricultural Statistics Service (<http://quickstats.nass.usda.gov/>).