

Biodegradable mulch effects on soil physical properties and yield

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Field: Scottsbluff location

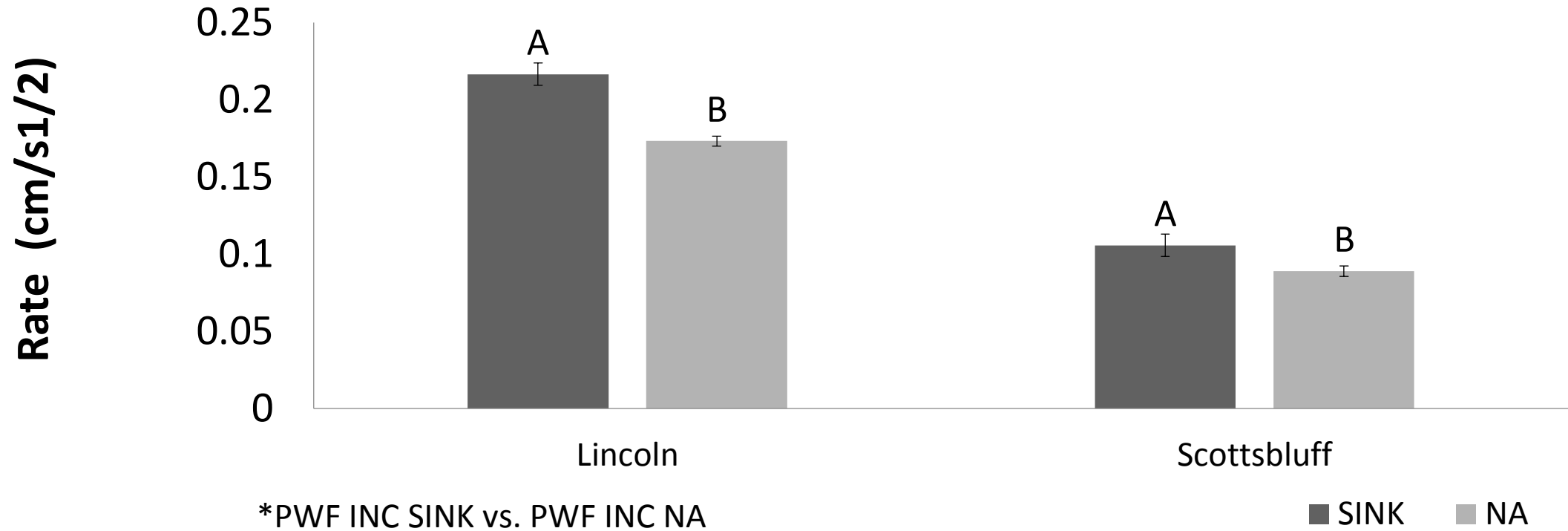
Left: Cover crop and SINK plots

Middle: PLA mulch. Consists of three layers

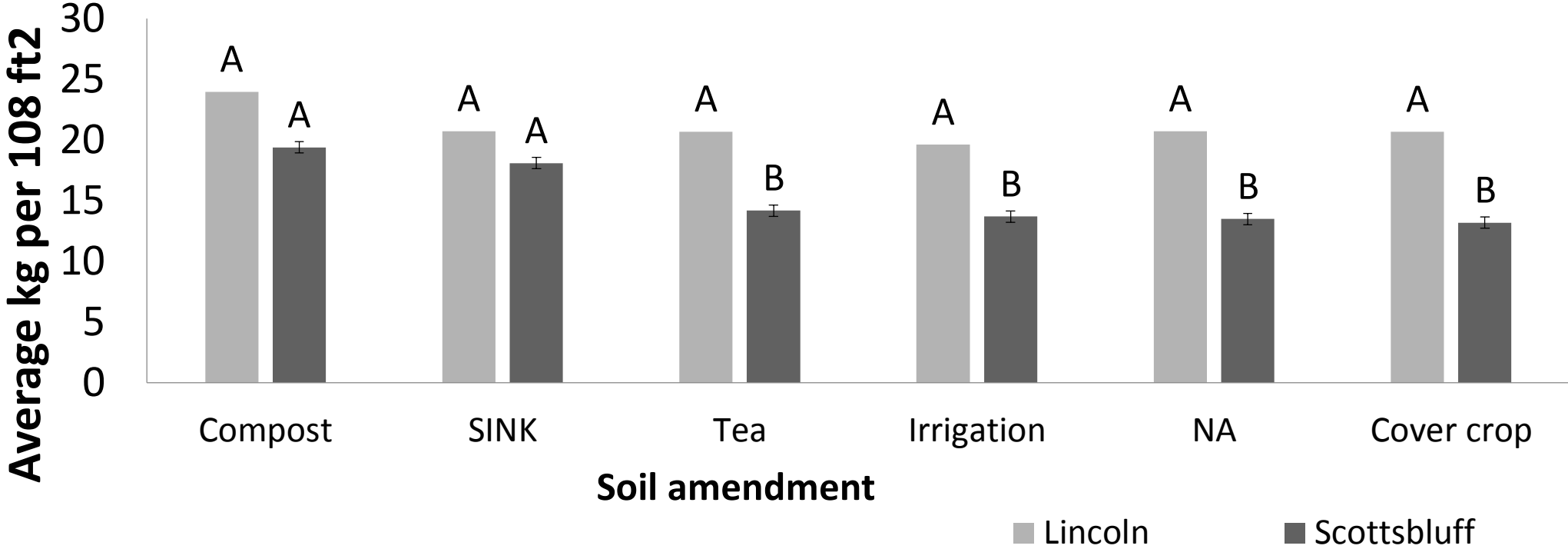
Right: observable growth differences between SINK, COM, and remaining treatments



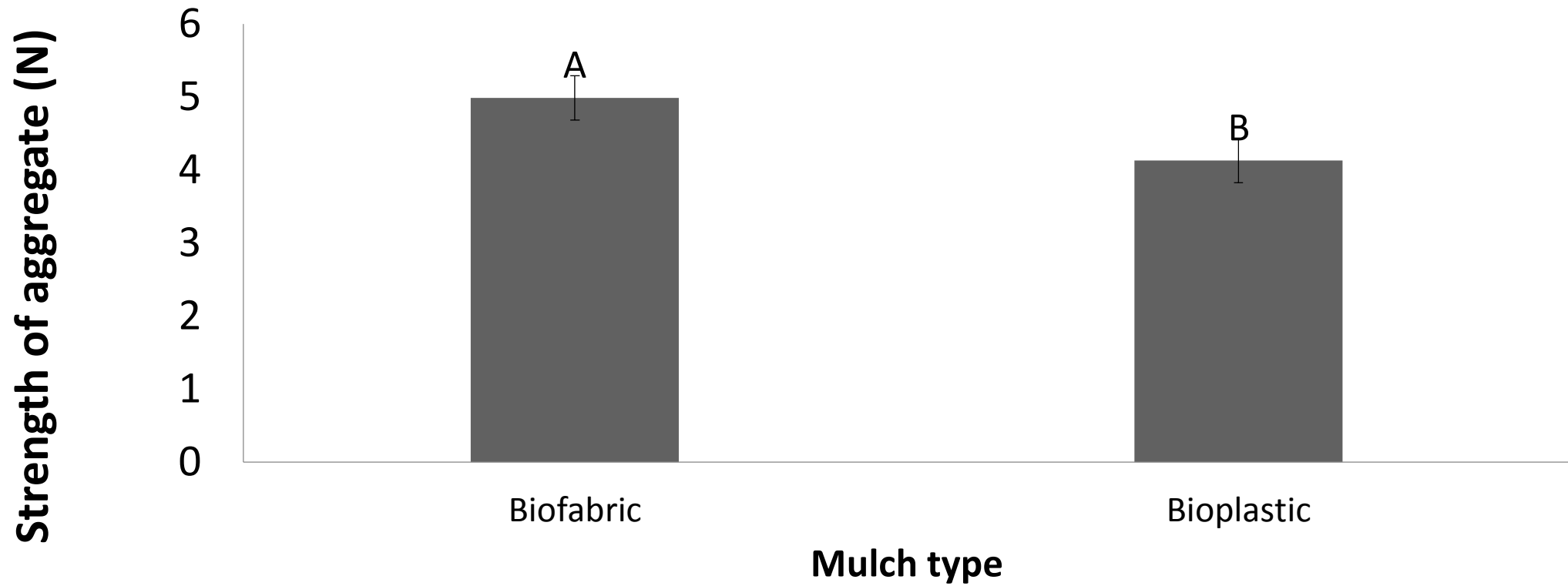
Soil sorptivity between treatments



Total Corn Yield 2018



Soil tensile strength after 1 year at Scottsbluff



PLA fiber incorporated into a soil aggregate 40x magnification



Spring 2018 Nitrogen levels

