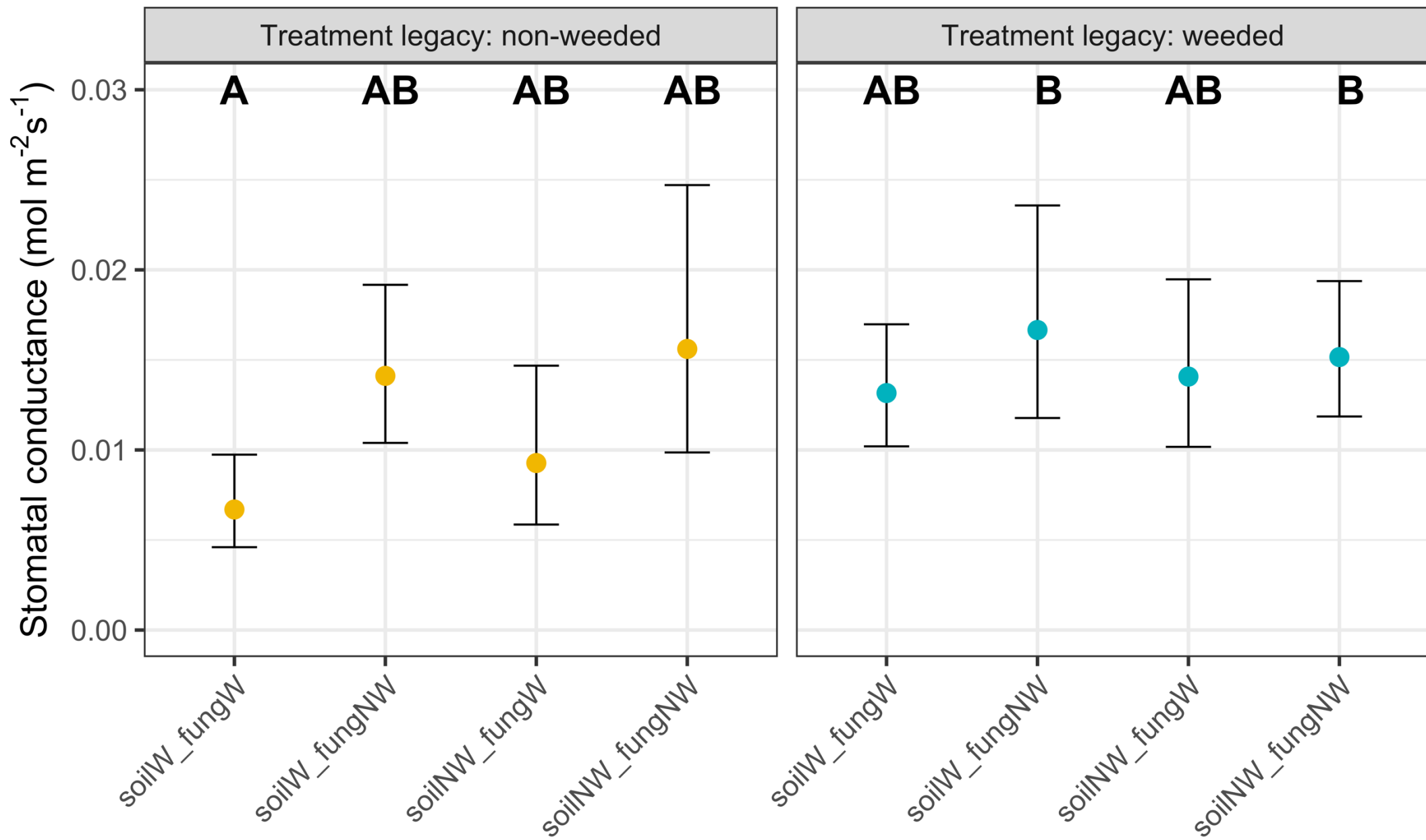


Null treatment effects on photosynthesis and photosynthetic capacity

- A_{net}
 - V_{cmax25}
 - J_{max25}
- Same response as previous two years in the field!
 - Fluxes are comparable to late season measurements from last year

Stomatal conductance

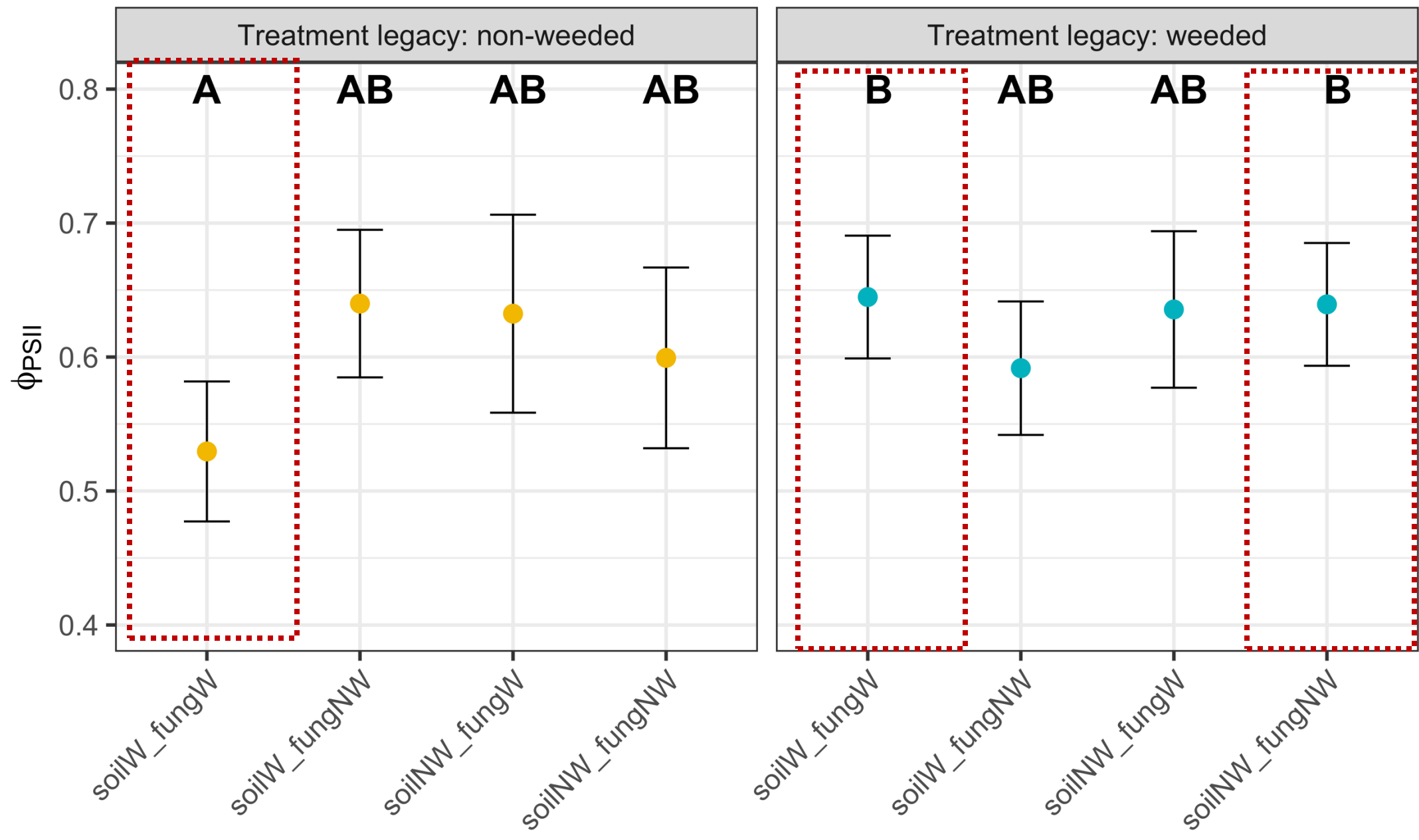
- Stomatal conductance is reduced in plants that had a legacy of growing with garlic mustard (NW plants < W plants, $p=0.011$)
- Stomatal conductance is reduced in plants growing with weeded AMF community (W fungal source < NW fungal source, $p=0.005$)



** same response for iWUE (given null A_{net} response to treatment combinations)

Φ_{PSII}

- Φ_{PSII} is marginally reduced in plants that had a legacy of growing with garlic mustard (NW plants < W plants, $p=0.098$)
- 3-way interaction: Non-weeded plants grown in weeded soil and with the weeded AM fungal community had lower Φ_{PSII} than:
 - Weeded plants grown in non-weeded soil and with the non-weeded AM fungal community
 - Weeded plants grown in weeded soil and with the weeded AM fungal community



Total leaf area

- Total leaf area (proxy for plant size) is reduced in plants that had a legacy of growing with garlic mustard (NW plants < W plants, $p=0.030$)
- Total leaf area is marginally greater in plants grown with the AM fungal community from non-weeded plots (W fungal source < NW fungal source, $p=0.08$)
- Three-way interaction: there is only one pairwise difference across treatment combinations:
 - Non-weeded plants grown in non-weeded soil but weeded fungal source have reduced total leaf area compared to non-weeded plants grown in non-weeded soil and non-weeded fungal source

