**SUPPLEMENTAL MATERIAL for** “Negative effects of an allelopathic invader on native plant species’ carbon assimilation are strongest when soil resource availability is low”

**Figure S1**

[measurement period effects on gas exchange]

**Figure S2**

[single panel figure investigating GM\*measurement period interaction]

**Figure S3**

[measurement period and GM effects on on SPAD/phi2]

**A collage of different trees canopy status

Description automatically generated**

**Figure S3** Effects of canopy status on chlorophyll fluorescence parameters. The top row visualizes effects of measurement period on relative chlorophyll content (a) and the quantum efficiency of PSII in *Trillium* spp. The bottom row visualizes effects of measurement period on relative chlorophyll content (a) and the quantum efficiency of PSII in *M. racemosum*. Tree canopy status is represented on the x-axis. Boxes represent the upper (75% percentile) and lower (25% percentile) quartiles and whiskers are 1.5 times the upper and lower quartile value. Blue points and boxplots indicate measurements where the tree canopy was still establishing, while orange points and boxplots indicate measurements collected when the tree canopy was closed.