(a) calculating interaction coefficients from plant growth

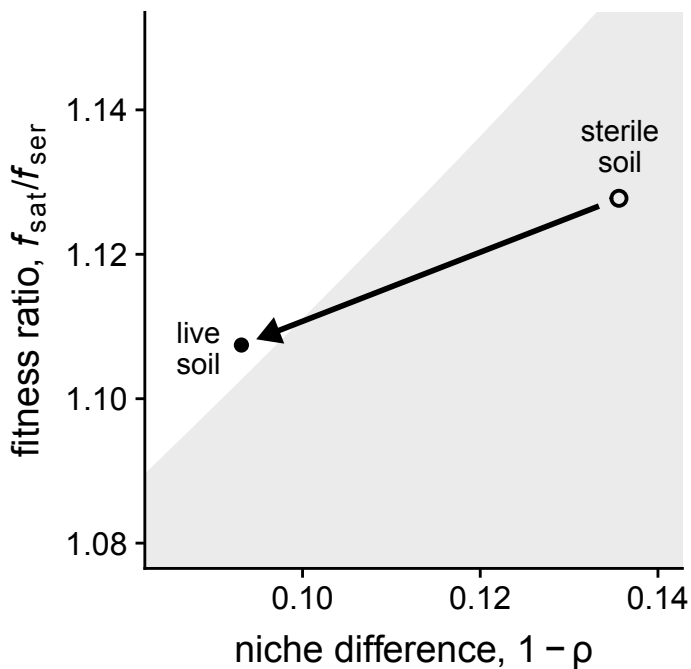$$\alpha_{sat, ser, live} = \frac{M_{sat, ser, ser} - M_{sat, 0, sterile}}{\Delta N_{ser} \cdot M_{sat, 0, sterile}}$$

$$\alpha_{sat, ser, sterile} = \frac{M_{sat, ser, sterile} - M_{sat, 0, sterile}}{\Delta N_{ser} \cdot M_{sat, 0, sterile}}$$

$$\alpha_{ser, ser, live} = \frac{M_{ser, ser, ser} - M_{ser, 0, sterile}}{\Delta N_{ser} \cdot M_{ser, 0, sterile}}$$

$$\alpha_{ser, ser, sterile} = \frac{M_{ser, ser, sterile} - M_{ser, 0, sterile}}{\Delta N_{ser} \cdot M_{ser, 0, sterile}}$$

(b) observed (total) effects

(c) soil conditioning effects