

**Birnbaum, C., Morald, T., Tibbett, M., Richard G. Bennett, R., Standish, R. (2018)
Effect of plant root symbionts on performance of native woody species in competition
with an invasive grass in multispecies microcosms. *Ecology and Evolution***

Data

R script and data used to estimate the effects of soil treatment and invasive *Bromus diandrus* addition to native species performance in microcosms.

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File list

birnbaum_et_al_2018_analysis_Rcode.txt

birnbaum_et_al_2018_data.csv

File descriptions

birnbaum_et_al_2018_analysis_Rcode.txt – statistical models used to estimate the effects of soil treatment and invasive *Bromus diandrus* addition to native species performance in microcosms.

birnbaum_et_al_2018_data.csv – raw data file for eight species used in the study

Data description

Species – species name

Tub – number of microcosms, total 32

Block – number of microcosm blocks, total 4

SoilTrt – four soil treatments (+AMF+Rhiz, +AMF– Rhiz, –AMF+Rhiz and –AMF–Rhiz) with and without the invasive grass *B. diandrus*, each replicated four times ($n = 4 \times 2 \times 4 = 32$ microcosms)

AMF – microcosms with/without arbuscular mycorrhizal fungi

Rhiz – microcosms with/without rhizobia

WeedTrt – microcosms with/without *B. diandrus*

shoot – aboveground plant biomass (gr)

root – belowground plant biomass (gr)

total – total plant biomass (gr)

amf – % AMF colonization in roots

nodules – number of nodules after plant harvest

cluster – number of cluster roots
