

This DATSET_Zhang.txt file was generated on 2021-05-14 by Bo Zhang

GENERAL INFORMATION

1. Title of Dataset:

Scaling up experimental stress responses of grass invasion to predictions of continental-level range suitability

2. Author Information

A. Principal Investigator Contact Information

Name: Bo Zhang

Institution: Oklahoma State University

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3. Date of data collection (single date, range, approximate date) <suggested format YYYY-MM-DD>: 2018 - 09 - 01 - 2019 - 03 - 01

4. Geographic location of data collection <latitude, longitude, or city/region, State, Country, as appropriate>: Davie, FL, USA

5. Information about funding sources that supported the collection of the data:

National Science Foundation, Award: 1817124

UC Davis Chancellor's postdoc fellowship

SHARING/ACCESS INFORMATION

1. Licenses/restrictions placed on the data: None

2. Links to publications that cite or use the data: Zhang, Bo et al. (2021), Scaling up experimental stress responses of grass invasion to predictions of continental-level range suitability, Dryad, Dataset, <https://doi.org/10.25338/B8SH0S>

3. Links to other publicly accessible locations of the data: None

4. Links/relationships to ancillary data sets: None

5. Was data derived from another source? yes/no No

A. If yes, list source(s):

6. Recommended citation for this dataset: None

DATA & FILE OVERVIEW

1. File List:

1. Greenhouse data were save in "Data_Zhang";
2. R code for figure 1 - 3 were saved in the three R files :Fig.1MixEffectModel_Boms.Grmnt", "Fig.2MixEffectModel_StrategyByWtrNtrt", "Fig.3_4SDM.biomod.2.Cogon"

2. Relationship between files, if important: Use the greenhouse data as data source to run the codes.

3. Additional related data collected that was not included in the current data package: None

4. Are there multiple versions of the dataset? yes/no No

A. If yes, name of file(s) that was updated:

- i. Why was the file updated?
- ii. When was the file updated?

METHODOLOGICAL INFORMATION

1. Description of methods used for collection/generation of data:

The data were collected in a greenhouse experiment.

2. Methods for processing the data:

The data presented here are raw data.

3. Instrument- or software-specific information needed to interpret the data:

R

4. Standards and calibration information, if appropriate: None

5. Environmental/experimental conditions: Controlled greenhouse environment

6. Describe any quality-assurance procedures performed on the data: None

7. People involved with sample collection, processing, analysis and/or submission:

Bo Zhang, Yingdan Yuan, Yuxi Guo

DATA-SPECIFIC INFORMATION FOR: [FILENAME]

<repeat this section for each dataset, folder or file, as appropriate>

1. Number of variables: 18

2. Number of cases/rows: 67

3. Variable List:

<list variable name(s), description(s), unit(s) and value labels as appropriate for each>

ID	Sample ID
Water	Water level (L: low, H: high)
Nutrient	Nutrient level (L: low, H: high)
Treatment	LL: low water, low nutrient; LH: low water, high nutrient; HL: high water, low nutrient; HH: high water, high nutrient
Above_ground	above ground biomass (g)
below_ground	below ground biomass (g)
above/below	aboveground biomass/below ground biomass
Grmnt.Num	number of new sprout
RootC	carbon content in root
RootN	nitrogen content in root
RootC13	carbon 13 in root
RootN15	nitrogen 15 in root
RootCN	carbon/nitrogen content in root
FoliageC	carbon content in foliage
FoliageN	nitrogen content in foliage
FoliageDelC	carbon 13 in foliage
FoliageDelN	nitrogen 15 in foliage

4. Missing data codes: None

<list code/symbol and definition>n

5. Specialized formats or other abbreviations used: None