This README\_DATA\_Bondaruk\_et\_al\_2022.txt file was generated on 2022-06 by Viviana Bondaruk

GENERAL INFORMATION

1. Title of Dataset: Data from: Forage provision is more affected by droughts in arid and semi-arid than in mesic rangelands.

2. Author Information

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3. Date of data collection: 2015-2019

4. Geographic location of data collection: Argentina, South America

5. Funding sources that supported the collection of the data: National Council of Science and Technology of Argentina

6. Recommended citation for this dataset: Bondaruk, V. F. et al. (2022), Data from: Forage provision is more affected by droughts in arid and semi-arid than in mesic rangelands, Dryad, Dataset

DATA & FILE OVERVIEW

1. Description of dataset

1. These data were generated to investigate The aim of this study was to assess the sensitivity to droughts of nine rangelands located across a broad aridity gradient in Argentina, South America. We experimentally imposed comparable droughts under field conditions by reducing a fixed proportion of each incoming precipitation event within-year during three consecutive years and tracked changes in total aboveground and forage productivity.

2. File List:

File 1 Name: README\_Bondaruk\_et\_al\_2022\_Fig2\_S1.xlsx

File 1 Description: Site name with corresponding Aridity Index and Mean annual precipitation (MAP); the proportion of Forage vs. aboveground primary productivity for each replicate (block 1 to 4); Forage Productivity (in g m-2 yr -1) and ANPP (in g m-2 yr -1) productivity for each replicate (block 1 to 4). This file corresponds to the data of Figures 2 and S1.

File 2 Name: README\_Bondaruk\_et\_al\_2022\_Fig3.xlsx

File 2 Description: Site name with corresponding Aridity Index; the relative and absolute sensitivity to drought for each replicate (block 1 to 4). This file corresponds to the data of Figures 3.

File 3 Name: README\_Bondaruk\_et\_al\_2022\_Fig4.xlsx

File 3 Description: Site name with corresponding Aridity Index and experimental year; Forage Productivity (in g m-2 yr -1) for each treatment and for each replicate (block 1 to 4) along experimental years. This file corresponds to the data of Figures 4.

File 4 Name: README\_Bondaruk\_et\_al\_2022\_Fig5.xlsx

File 4 Description: Site name; Forage Productivity (in g m-2 yr -1) for each treatment in the initial and final experimental drought year for each replicate (block 1 to 4). Also, the ; Forage Productivity (in g m-2 yr -1) for each forage species of each site. This file corresponds to the data of Figures 5.

File 5 Name: README\_Bondaruk\_et\_al\_2022\_Fig6.xlsx

File 5 Description: Site name with corresponding Aridity Index; the effect size of drought in Forage Productivity (in g m-2 yr -1) through the log response ratio for each replicate (block 1 to 4). This file corresponds to the data of Figures 6.

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