**Effect of Water Stress on Weed Germination, Growth Characteristics, and Seed Production: A Global Meta-Analysis**

**Supplementary Table S1.** Number of studies conducted per individual weed species, country, water status metric, weed family, and the medium used for inducing water stress.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weed species** | **No. of studies** |  | **Family** | **No. of studies** |
| 1. hemp sesbania
 | 4 |  | 1. Poaceae
 | 24 |
| 1. junglerice
 | 3 |  | 1. Asteraceae
 | 22 |
| 1. redroot pigweed
 | 3 |  | 1. Fabaceae
 | 9 |
| 1. Canada thistle
 | 1 |  | 1. Convolvulaceae
 | 5 |
| 1. crowfootgrass
 | 2 |  | 1. Amaranthaceae
 | 4 |
| 1. green foxtail
 | 2 |  | 1. Rubiaceae
 | 4 |
| 1. hoary cress
 | 2 |  | 1. Boraginaceae
 | 3 |
| 1. itchgrass
 | 2 |  | 1. Solanaceae
 | 3 |
| 1. ivyleaf morningglory
 | 2 |  | 1. Brassicaceae
 | 2 |
| 1. pitted morningglory
 | 2 |  | 1. Chenopodiaceae
 | 2 |
| 1. ragweed parthenium
 | 2 |  | 1. Euphorbiaceae
 | 2 |
| 1. slender amaranth
 | 2 |  | 1. Malvaceae
 | 2 |
| 1. tall morningglory
 | 2 |  | 1. Aizoaceae
 | 1 |
| 1. All others
 | 1 |  | 1. Apocynaceae
 | 1 |
|  |  | 1. Asclepiadaceae
 | 1 |
| **Country** |  |  | 1. Commelinaceae
 | 1 |
| 1. USA
 | 31 |  | 1. Cucurbitaceae
 | 1 |
| 1. Australia
 | 21 |  | 1. Lamiaceae
 | 1 |
| 1. Philippines
 | 16 |  | 1. Melastomataceae
 | 1 |
| 1. China
 | 6 |  | 1. Onagraceae
 | 1 |
| 1. Canada
 | 5 |  | 1. Polygonaceae
 | 1 |
| 1. Iran
 | 4 |  | 1. Sapindaceae
 | 1 |
| 1. UK
 | 1 |  | 1. Sterculiaceae
 | 1 |
| 1. Greece
 | 1 |  | 1. Tiliaceae
 | 1 |
| 1. Denmark
 | 1 |  |  |  |
|  |  | **Medium for water stress** |  |
| **Water status metric** |  |  | 1. Polyethylene glycol (PEG)
 | 65 |
| 1. Solution osmotic potential *(ψsolution*)
 | 68 |  | 1. Soil
 | 17 |
| 1. Soil moisture (% field capacity)
 | 11 |  | 1. Mannitol
 | 2 |
| 1. Soil water potential (*ψsoil*)
 | 6 |  | 1. Mannitol & soil
 | 1 |
| 1. *ψsolution* and *ψsoil*
 | 1 |  | 1. PEG & soil
 | 1 |