# Supporting information

Table I. Forb (herbaceous dicot) species in the northern Sahel (Ferlo region, Senegal). Detailed information on the status of each as native (N), introduced naturalized (IN), or introduced invasive (II) follows Borokini *et al*. (2023). Information on distribution and life cycle follows POWO (2024). Information on floral symmetry (actinomorphic [A], zygomorphic [Z]) from Reyes *et al*. (2016); on sexual systems (hermaphrodite, monoecious, dioecious) from Renner (2014); on presence of floral nectaries from Bernardello (2007). Information on other floral traits (size, color; open-access flowers or traits limiting access; self-compatibility) is taken from descriptions and images from diverse sources. Additional references for each of these traits are given for species where these are available. Additional general references on floral traits for some species are listed in column M. World Flora Online ID is given for each species in column N.

Table II. Tree and shrub species found in the northern Sahel (Ferlo region, Senegal), inventoried by Niang *et al*. (2014) and Dendoncker *et al*. (2020). Detailed information is given on the status of each as native (N), introduced naturalized (IN) or introduced invasive (II) from POWO (2024) and Arbonnier (2000). Population status (stable, augmentation, regression) in the Ferlo follows Dendoncker *et al*. (2020, 2024). Information on whether each species is grown (or not) in the nurseries of the Great Green Wall (GGW) in Senegal is given in ANGMV (2019). Information in columns F–M comes mostly from Arbonnier (2000), with additional references cited where available. Information on presence of floral nectaries, compatibility systems and flower visitors (columns N–P from various sources. Information on phenology from Hiernaux *et al*. (1994) and Seghieri, Devineau & Fournier (2012) is given in column Q. Column R gives the World Flora Online ID for each species listed.

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