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Appendix 1. Comparison of parameter ranges in Kimberley and Askham models

Figure A1. Comparison of parameter ranges in models that were fitted under the Kimberley rainfall scenario (grey boxes; 400 mm MAP) and Askham rainfall scenario (white boxes; 176 mm MAP). Parameter ranges are scaled between 0 and 1 in relation to the initial estimated range (Table 2). The 8 panels from top to bottom represent different model types (Table 1) differing in the relationship between rainfall and reproductive success: different functions (linear, saturation and threshold) and different temporal resolutions (a. yearly b. monthly c. monthly, including an effect of the previous month). Differences between Askham and Kimberley models are found only in parameters that define reproductive success (first box in each panel). Here, parameter ranges differ in a way that reproductive success in relation to rainfall is lower in Askham than in Kimberley (Fig. 4a–c in main text).