

## Supplementary Material

Savanna rodents increase seed predation of an encroaching woody plant with increasing grass biomass

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**Table S1.** Landscape metrics considered in sampling site selection.

Metric type	Metric	Interpretation
Composition	Land cover richness	The number of land cover types in the landscape
Composition	Shannon diversity	A measure of both the number (richness) and evenness of land cover types
Configuration	Number of patches	The number of patches summed across all land cover types
Configuration	Total edge, edge density	The total length of edge summed across all land cover types; edge density is the total edge scaled to land cover area
Configuration	Patch cohesion index	A ratio of perimeter relative to the ratio of perimeter and area patches, scaled to the map extent
Configuration	Landscape division index	The probability that two randomly chosen cells in the landscape are not situated in the same patch

**Table S2.** The number of foraging bouts and average time spent foraging by granivorous rodents at all sites.

Species	Number of foraging events	Average time foraging at seed tray (minutes)
<i>Mastomys natalensis</i>	415	12.50
<i>Aethomys ineptus/Micaelamys namaquensis</i>	270	12.90
<i>Lemniscomys rosalia</i>	267	12.98
<i>Mus minutoides</i>	108	8.85
<i>Steatomys pratensis</i>	3	1.09
<i>Saccostomus campestris</i>	2	0.31



**Figure S1.** Seeds of *Dichrostachys cinerea* (left) and *Senegalia nigrescens* (right). Seeds purchased from Silverhill Seeds and Books.



Figure S2. Photograph of *Lemniscomys rosalia* foraging at seed station with *Senegalia nigrescens* seeds