

## Supplementary material

**Supplementary Table S1.** The plant species' functional traits that influence seed dispersal by bird species as identified in Bitani et al. (2020).

Family	Plant species	Origin	Habit	Mean fruit size (mm)	Mean seed size (mm)	Mean crop size (mm)	Reference
Simaroubaceae	<i>Ailanthus altissima</i>	Asia	Tree	5.7	4	325000	Henderson (2001); Bitani et al. (2020)
Primulaceae	<i>Ardisia crenata</i>	Asia	Shrub	8.4	5.4	1200	Bitani et al. (2020)
Solanaceae	<i>Cestrum laevigatum</i>	South America	Shrub/ Tree	5.63	2.36	-	Jordaan & Downs (2012)
Lauraceae	<i>Cinnamomum camphor</i>	East Asia	Tree	8	6.5	100000	Bitani et al. (2020)
Verbenaceae	<i>Duranta erecta</i>	America	Shrub	7	3.5	25325	Bitani et al. (2020)
	<i>Lantana camara</i>	South America	Shrub	4	3	856	Bitani et al. (2020)
Myrtaceae	<i>Eugenia uniflora</i>	South America	Shrub/Tree	20	7	180	Blendinger et al. (2016)
	<i>Psidium guajava</i>	America	Tree	45.2	2.4	276	Bitani et al. (2020)
	<i>Syzygium jambos</i>	Asia	Tree	37	18	726	Corlett (2005)
Meliaceae	<i>Melia azedarach</i>	Asia-Australia	Tree	11.9	9	14756	Bitani et al. (2020)
Moraceae	<i>Morus alba</i>	Tree	Tree	9.1	1.8	86000	Bitani et al. (2020)
Euphorbiaceae	<i>Ricinus communis</i>	Africa	Shrub	20	7	84	Bitani et al. (2020)
Rosaceae	<i>Rubus cuneifolius</i>	America	Shrub	10	2.1	100	Chapelka (2002)
Anacardiaceae	<i>Rhus/ Toxicodendron succedanea</i>	Asia	Tree	9	4.17	-	Henderson (2001); Otani & Shibata (2000)
	<i>Schinus terebinthifolius</i>	South America	Shrub/Tree	1	2.9	10000	Bitani et al. (2020)
Solanaceae	<i>Solanum mauritianum</i>	South America	Shrub	13.7	2	150000	Bitani et al. (2020)

**Supplementary Table S2.** References used for the data summarised in Table S2

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