Supplementary Material

**Table S1.** Compiled observations of fruits and seeds consumption by birds.

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| --- | --- | --- | --- | --- |
| **Bird species** | **Plant species** | **Nature of the observation** | **Reference** | **Reference type** |
| *Ducula goliath* | *Calophyllum caledonicum* | Field observation | Ardimani (pers. commun.) | Personal communication |
| *Ducula goliath* | *Basselinia gracilis* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Burretiokentia vieillardii* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Canarium oleiferum* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Chionanthus brachystachys* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Diospyros macrocarpa* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Elaeocarpus gummatus* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Gardenia oudiepe* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Guettarda wagapensis* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Kermadecia rotundifolia* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Neuburgia novocaledonica* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Plerandra gabriellae* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Ducula goliath* | *Semecarpus neocaledonica* | Seed collected in the digestive tract of hunted bird | Barré et al. (2003) | Published paper |
| *Zosterops xanthochroa* | *Cupaniopsis apiocarpa* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Cupaniopsis trigonocarpa* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Didymocheton bijugum* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Diospyros fasciculosa* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Ficus obliqua* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Ficus obliqua* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Halfordia kendack* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Halfordia kendack* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Ixora collina* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Ixora margaretiae* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Jasminum didymum* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Lepidocupania arcuata* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Melodinus scandens* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Mimusops elengi* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Mimusops elengi* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Neoarytera chartacea* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ptilinopus greyi* | *Planchonella cinerea* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Planchonella cinerea* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Aplonis striata striata* | *Plerandra elegantissima* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Ducula goliath* | *Plerandra elegantissima* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Plerandra elegantissima* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Aplonis striata striata* | *Premna serratifolia* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Coracina caledonica* | *Premna serratifolia* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Premna serratifolia* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Zosterops xanthochroa* | *Syzygium pendulinum* | Field observation and feeding experiment | Boissenin et al. (2006) | Technical report |
| *Aplonis striata striata* | *Ficus prolixa* | Field observation | Chartendrault (pers. commun.) | Personal communication |
| *Coracina caledonica* | *Ficus prolixa* | Field observation | Chartendrault (pers. commun.) | Personal communication |
| *Drepanoptila holosericea* | *Ficus prolixa* | Field observation | Chartendrault (pers. commun.) | Personal communication |
| *Ducula goliath* | *Balanops vieillardii* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Duranta repens* | Field observation | Colombo (2008) | Academic report |
| *Ducula goliath* | *Elaeocarpus angustifolius* | Field observation | Colombo (2008) | Academic report |
| *Ducula goliath* | *Oncotheca humboldtiana* | Field observation | Colombo (2008) | Academic report |
| *Ducula goliath* | *Solanum mauritianum* | Field observation | Colombo (2008) | Academic report |
| *Ducula goliath* | *Tapeinosperma acutangulum* | Field observation | Colombo (2008) | Academic report |
| *Ducula goliath* | *Ochrosia silvatica* | Field observation | Colombo (pers. commun.) | Personal communication |
| *Ducula goliath* | *Oncotheca humboldtiana* | Field observation | Colombo (pers. commun.) | Personal communication |
| *Ducula goliath* | *Planchonella endlicheri* | Field observation | Colombo (pers. commun.) | Personal communication |
| *Ducula goliath* | *Broussonetia papyrifera* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Coffea canephora* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Cryptocarya macrocarpa* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Cryptocarya macrocarpa* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Diospyros macrocarpa* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Ficus racemigera* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Guettardella rhamnoides* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Hernandia cordigera* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Montrouziera cauliflora* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Nephelium sinensis* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Neuburgia novocaledonica* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Planchonella amieuana* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Psidium sinensis* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Syzygium balansae* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Syzygium jambos* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Syzygium multipetalum* | Survey | Condamin (1978) | Technical report |
| *Ducula goliath* | *Syzygium neolaurifolium* | Survey | Condamin (1978) | Technical report |
| *Columba vitiensis hypoenochroa* | *Solanum torvum* | Field observation | Desmoulins & Barré (2005) | Book |
| *Ducula goliath* | *Ficus racemigera* | Feeding experiment | Duron et al. (2017) | Published paper |
| *Ducula goliath* | *Freycinetia sulcata* | Feeding experiment | Duron et al. (2017) | Published paper |
| *Zosterops xanthochroa* | *Lantana camara* | Photo | Endemia | Online photo |
| *Eunymphicus cornutus* | *Melia azedarach* | Photo | Endemia | Online photo |
| *Drepanoptila holosericea* | *Garcinia neglecta* | Field observation | Gailhbaud (com. pers) | Personal communication |
| *Aplonis striata striata* | *Carica papaya* | Field observation | Hannecart & Letocart (1980) | Book |
| *Aplonis striata striata* | *Capsicum frutescens* | Field observation | Hannecart & Létocart (1980) | Book |
| *Aplonis striata striata* | *Solanum lycopersicum* | Field observation | Hannecart & Létocart (1980) | Book |
| *Columba vitiensis hypoenochroa* | *Solanum styraciflorum* | Field observation | Heine (1976) | Flora |
| *Ducula goliath* | *Garcinia puat* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Aplonis striata striata* | *Solanum seaforthianum* | Photo | iNaturalist | Online photo |
| *Ducula goliath* | *Plerandra elegantissima* | Field observation | Lebreton (pers. commun.) | Personal communication |
| *Ducula goliath* | *Sarcomelicope leiocarpa* | Field observation | Lebreton (pers. commun.) | Personal communication |
| *Ducula goliath* | *Alyxia leucogyne* | Field observation | Létocart (1998) | Technical report |
| *Coracina analis* | *Balanops vieillardii* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Canarium oleiferum* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Cryptocarya transversa* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Elaeocarpus brachypodus* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Elaeocarpus leratii* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Endiandra baillonii* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Hernandia cordigera* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Ilex sebertii* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Montrouziera cauliflora* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Oxera palmatinervia* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Planchonella thiensis* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Podocarpus sylvestris* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Semecarpus neocaledonica* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Semecarpus neocaledonica* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Xanthomyrtus kanalaensis* | Field observation | Létocart (1998) | Technical report |
| *Ducula goliath* | *Xylopia pancheri* | Field observation | Létocart (1998) | Technical report |
| *Aplonis striata striata* | *Oxera neriifolia* | Field observation | de Kok in Mabberley & de Kok (2004) | Flora |
| *Drepanoptila holosericea* | *Diospyros fasciculosa* | Field observation | Mackee in White (1993) | Flora |
| *Ducula goliath* | *Elaeocarpus colnettianus* | Field observation | Mackee in Tirel (1982) | Flora |
| *Ducula goliath* | *Elaeocarpus hortensis* | Field observation | Mackee in Tirel (1982) | Flora |
| *Ducula goliath* | *Sloanea lepida* | Field observation | Begaud in Tirel (1982) | Flora |
| *Drepanoptila holosericea* | *Polyscias crenata* | Field observation | Marion (1984) | Book |
| *Columba vitiensis hypoenochroa* | *Solanum mauritianum* | Field observation | Marion (1984) | Book |
| *Columba vitiensis hypoenochroa* | *Solanum torvum* | Field observation | Marion (1984) | Book |
| *Ducula goliath* | *Alphitonia neocaledonica* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Citronella macrocarpa* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Cleistanthus stipitatus* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Didymocheton macranthum* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Ficus racemigera* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Meiogyne lecardii* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Pycnandra comptonii* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Syzygium cumini* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Syzygium macranthum* | Field observation | Meandu Poveu in Colombo (2008) | Academic report |
| *Ducula goliath* | *Oncotheca humboldtiana* | Field observation | Morat & Veillon (1989) | Flora |
| *Zosterops xanthochroa* | *Alectryon carinatum* | Field observation | This paper | This paper |
| *Ducula goliath* | *Chambeyronia macrocarpa* | Seed collected in dropping | This paper | This paper |
| *Ducula goliath* | *Chambeyronia macrocarpa* | Seed collected in dropping | This paper | This paper |
| *Coracina caledonica* | *Diospyros calciphila* | Field observation | This paper | This paper |
| *Ducula goliath* | *Diospyros macrocarpa* | Field observation | This paper | This paper |
| *Columba vitiensis hypoenochroa* | *Drypetes deplanchei* | Field observation | This paper | This paper |
| *Drepanoptila holosericea* | *Drypetes deplanchei* | Field observation | This paper | This paper |
| *Ducula goliath* | *Neuburgia novocaledonica* | Field observation | This paper | This paper |
| *Aplonis striata striata* | *Olea paniculata* | Field observation | This paper | This paper |
| *Ducula goliath* | *Oncotheca humboldtiana* | Seed collected in dropping | This paper | This paper |
| *Ducula goliath* | *Oncotheca humboldtiana* | Field observation | This paper | This paper |
| *Ducula goliath* | *Planchonella endlicheri* | Seed collected in dropping | This paper | This paper |
| *Zosterops xanthochroa* | *Premna serratifolia* | Field observation | This paper | This paper |
| *Coracina caledonica* | *Premna serratifolia* | Field observation | This paper | This paper |
| *Coracina analis* | *Balanops vieillardii* | Field observation | Mériot (pers. commun.) | Personal communication |
| *Coracina analis* | *Joinvillea plicata* | Field observation | Mériot (pers. commun.) | Personal communication |
| *Aplonis striata striata* | *Elattostachys apetala* | Field observation | Sabatier (pers. commun.) | Personal communication |
| *Philemon diemenensis* | *Ficus prolixa* | Field observation | Sabatier (pers. commun.) | Personal communication |
| *Drepanoptila holosericea* | *Santalum austrocaledonicum* | Field observation | Tassin et al. (2008) | Published paper |
| *Ptilinopus greyi* | *Diospyros fasciculosa* | Feeding experiment | Tassin et al. (2010) | Published paper |
| *Ptilinopus greyi* | *Mimusops elengi* | Feeding experiment | Tassin et al. (2010) | Published paper |
| *Ptilinopus greyi* | *Vitex collina* | Feeding experiment | Tassin et al. (2010) | Published paper |
| *Ducula goliath* | *Elaeocarpus speciosus* | Field observation | Tirel (1982) | Flora |