

Appendix S1. Fruit size (range and/or mean), number of seeds per dispersal unit, seed size, seed dry mass and the availability of ripe fruits for 97 fleshy-fruited environmental weeds adapted for vertebrate dispersal in New Zealand. Fruiting times may differ depending on the location, and fruit tends to ripen earlier in northern New Zealand. Location may also influence fruit size, as fruit width tends to increase with decreasing latitude. Data compiled from Healy & Edgar (1980), Webb et al. (1988), and additional references as indicated. (* = few fruits or viable seeds produced in New Zealand, # = based on overseas data, – = no data available, Su = summer, Au = autumn, Wi = winter, Sp = spring).

Weed species	Common name	Fruit width (mm)	No. seeds	Seed width (mm)	Seed mass (mg)	Fruit	Additional references (see Appendix S3)
<i>Acacia melanoxylon</i>	Tasmanian blackwood	8.0	1	2.35	–	Nov–Jan	Innis 1989; C. Gosper unpubl. data
<i>Actinidia deliciosa</i>	kiwifruit	46 [#]	30–630	–	–	–	Sullivan & Williams 2002; Celik et al. 2007
<i>Akebia quinata</i> *	akebia	–	Many	–	–	Mar–Apr [#]	Takahashi et al. 2008
<i>Alocasia brisbanensis</i>	elephant's ear	5–14 [#] (10)	1–4	5	–	Su, Au	C. Gosper unpubl. data
<i>Arum italicum</i>	Italian arum	10	2	–	–	Su, Au	Albre & Gibernau 2008
<i>Asparagus asparagoides</i>	smilax	6–10	2–8	–	–	Apr–Jul	Williams & Karl 1996
<i>Asparagus scandens</i>	climbing asparagus	8	1	–	–	Jan–Aug	Timmins & Mackenzie 1995
<i>Asparagus setaceus</i>	asparagus fern	6	1–3	–	–	–	
<i>Berberis darwinii</i>	Darwin's barberry	5–7	1–many	–	–	Jan–Dec	Allen & Lee 1992; Timmins & Mackenzie 1995
<i>Berberis glaucocarpa</i>	barberry	6.1–8.2 (7.6)	1–many (3.7)	2.6	0.0422	Jan–Jun	Williams & Karl 1996; Williams et al. 2000; MacFarlane 2012
<i>Bryonia cretica</i>	white bryony	4–8	2–6 (4.6 [#])	–	16	Jan–Mar	NZPCN 2013; Snow & Snow 1988
<i>Carpobrotus chilensis</i>	ice plant	–	Many [#]	3.8	–	Aug–Jan	Richardson et al. 2007; Gosper & Vivian-Smith 2010
<i>Carpobrotus edulis</i>	ice plant	–	Many [#]	–	–	Jul–Jun	Richardson et al. 2007
<i>Celastrus orbiculatus</i>	climbing spindle berry	–	1–2	–	–	Feb–Aug	Global Invasive Species Database (ISSG, accessed 2012); Williams & Timmins 2003
<i>Cestrum aurantiacum</i> *	orange cestrum	15	Few	–	–	–	
<i>Cestrum elegans</i> *	red cestrum	15	Few	–	–	–	
<i>Cestrum nocturnum</i>	queen of the night	5–10	Few	–	–	–	
<i>Cestrum parqui</i>	green cestrum	6–8	2.9 [#]	2.5	0.014	All year	Gosper & Vivian-Smith 2010
<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i>	bone-seed	6–9	1	3.8	–	Sp, Su	Gosper & Vivian-Smith 2010; Weiss 1986
<i>Citrus sinensis</i>	orange	50–70	–	–	–	All year	Bain 1958
<i>Cornus capitata</i>	strawberry dogwood	20–40	8.9 [#]	–	0.0395	Au	Zhou et al. 2008
<i>Cotoneaster franchetii</i>	cotoneaster	7.6	2	–	13.4	Mar–Jul	Williams & Karl 1996
<i>Cotoneaster glaucophyllus</i>	cotoneaster	4–8 (6.8)	2	3.8	6.05	Feb–Aug	Williams et al. 2000
<i>Cotoneaster simonsii</i>	khasia berry	8.6	2–5	4.1	9.88	Dec–Jul	Williams et al. 2000

Weed species	Common name	Fruit width (mm)	No. seeds	Seed width (mm)	Seed mass (mg)	Fruit	Additional references (see Appendix S3)
<i>Crataegus monogyna</i>	hawthorn	7–11 (9.9)	1	3.7	78.5	Dec–Jul	Williams & Karl 1996; Williams et al. 2000
<i>Elaeagnus ×reflexa</i> [#]	elaeagnus	8–10	1	–	–	May–Sep	Fromont & King 1992; Timmins & Mackenzie 1995
<i>Eriobotrya japonica</i>	loquat	≤ 35 (24.5 [#])	1.6 [#]	12.8	1023	Sep–Dec	Karan 2000; Gosper & Vivian-Smith 2010
<i>Euonymus europaeus</i>	spindle tree	4.5 [#]	1 [#]	–	50.2	Mar–May	Snow & Snow 1988; Williams & Karl 1996
<i>Euonymus japonicus</i>	Japanese spindle tree	4.6 [#]	1 [#]	–	–	Su, Au, Wi	Nakanishi 1996; eFloras 2008
<i>Fatsia japonica</i>	fatsia	5–8	5–10	–	–	Wi, Sp	Nakanishi 1996; Rogan 1997
<i>Ficus carica</i>	fig	–	Numerous	–	–	Su, Au	Debussche et al. 1982
<i>Ficus macrophylla</i>	Moreton Bay fig	25–40	Numerous	–	–	Dec–May	Gardner & Early 1996
<i>Ficus rubiginosa</i>	Port Jackson fig	12–20	Numerous	–	–	Su, Au, Wi	C. Gosper unpubl. data
<i>Gunnera tinctoria</i>	Chilean rhubarb	2	1	–	0.7	Dec–Jun	Williams et al. 2005
<i>Hedera helix</i>	ivy	5–8	2–3	–	53	Aug–Dec	Snow & Snow 1988
<i>Hedychium gardnerianum</i>	wild ginger	4	Many	–	–	Mar–May	Timmins & Mackenzie 1995
<i>Homalanthus populifolius</i>	Queensland poplar	–	–	–	–	Dec–Jun	Innis 1989
<i>Hypericum androsaemum</i>	tutsan	10	–	–	–	–	
<i>Ilex aquifolium</i>	holly	6–10 (9.7)	4	3.6	31	May–Jul	Williams & Karl 1996; Williams et al. 2000
<i>Iris foetidissima</i>	stinking iris	5	1 [#]	–	60	Su, Au, Wi	Snow & Snow 1988; Timmins & Mackenzie 1995
<i>Jasminum humile</i>	Italian jasmine	6–8	2–4	–	–	–	
<i>Jasminum polyanthum</i> [*]	jasmine	5–8	2–4	–	–	Au	eFloras 2008
<i>Lantana camara</i>	lantana	5	2	3.4	17	Jan–Dec	Gosper & Vivian-Smith 2010
<i>Laurus nobilis</i>	bay	6–13	1	–	–	Au	Debussche et al. 1982
<i>Leycesteria formosa</i>	Himalayan honeysuckle	7–10 (8.7)	71	0.08	0.4	Jan–Jun	Williams & Karl 1996; Williams et al. 2000
<i>Ligustrum lucidum</i>	tree privet	5	1	3.8	33	Feb–Aug	Timmins & Mackenzie 1995; Gosper & Vivian-Smith 2010
<i>Ligustrum ovalifolium</i> [*]	privet	5–7	1	–	–	Au [#]	Nakanishi 1996
<i>Ligustrum sinense</i>	Chinese privet	4–6 (5.3)	1	2.2	8.4	Nov–Jul	Fromont & King 1992; Williams & Karl 1996; Williams et al. 2000
<i>Lonicera japonica</i> [*]	Japanese honeysuckle	4–7 (5.1)	1–16 (6.1)	2.3	1.1	Feb–Jun	Fromont & King 1992; Williams & Karl 1996; Williams & Timmins 1998; Williams et al. 2000
<i>Lycium ferocissimum</i>	boxthorn	5–14	Few–many	–	–	Su, Au	Blood 2001
<i>Myoporum insulare</i>	Australian ngaio	6	1 hard endocarp (with 2–8 seeds)	–	–	Su	C. Gosper unpubl. data

Weed species	Common name	Fruit width (mm)	No. seeds	Seed width (mm)	Seed mass (mg)	Fruit	Additional references (see Appendix S3)
<i>Ochna serrulata</i>	Mickey Mouse plant	6–8	1 [#]	5	59	Sep–Mar	Heenan et al. 1999; Gosper & Vivian-Smith 2010
<i>Olea europaea</i> subsp. <i>cuspidata</i>	African olive	5–8	1	–	–	Au, Wi	West 1996
<i>Opuntia monacantha</i>	prickly pear	30–45	Many	–	–	–	
<i>Passiflora caerulea</i>	blue passion flower	30–50	Many	–	–	–	
<i>Passiflora edulis</i>	black passionfruit	47.5–57.5	Many	–	–	Jan–Apr	West 1996
<i>Passiflora tarminiana</i>	banana passionfruit	35–40	Many	–	–	Au, Wi	Fromont & King 1992
<i>Passiflora tripartita</i> var. <i>mollissima</i>	banana passionfruit	20–30	50–200 [#]	4.2	29	Jan–Jul	Cronk & Fuller 1995; Williams & Karl 1996; Williams et al. 2000; Beavon & Kelly in press
<i>Phoenix canariensis</i>	phoenix palm	11.8	1	–	340	Dec	Nogales et al. 1999
<i>Physalis peruviana</i>	cape gooseberry	10–20	Many	–	–	–	
<i>Phytolacca octandra</i>	inkweed	8	7–8	2.3	20	All year	Gosper & Vivian-Smith 2010
<i>Prunus avium</i>	sweet cherry	8–17 (11.8 [#])	1	–	290	Nov–Apr	Snow & Snow 1988; Williams & Karl 1996
<i>Prunus campanulata</i>	Taiwan cherry	≤10	1	–	–	Oct–Dec	Northland District Council 2012
<i>Prunus cerasifera</i>	cherry plum	16–32	1	–	–	Nov–Jan	Burrows 1994
<i>Prunus laurocerasus</i>	cherry laurel	14 [#]	1	–	340	Nov–Mar	Snow & Snow 1988; Ridley 1998
<i>Prunus persica</i>	peach	35–80	1	–	–	–	
<i>Prunus serrulata</i>	Japanese hill cherry	≤14	1	–	–	–	
<i>Prunus ×domestica</i>	plum	20–45	1	–	–	Jan–Feb	
<i>Psidium cattleianum</i>	purple guava	21.5	6.9 [#]	–	–	Jan–May	Karan 2000; Shiels & Drake 2011
<i>Psidium guajava</i>	yellow guava	30–40	310.6 [#]	3	3741	Feb– May, Aug–Nov	West 1996; Gosper & Vivian-Smith 2010
<i>Pyracantha angustifolia</i>	orange firethorn	4– (8.5)	4–5	2.1	3.15	Apr–Aug	Williams et al. 2000
<i>Pyracantha crenatoserrata</i>	firethorn	5–6	5	–	2.9	May–Aug	Snow & Snow 1988
<i>Rhamnus alaternus</i>	evergreen buckthorn	5	2–4	–	–	Aug–Jan	Timmins & Mackenzie 1995; Izhaki et al. 2002
<i>Rhaphiolepis umbellata</i>	sexton’s bride	6–12	1–few	–	–	Mar–Apr	
<i>Ribes sanguineum</i>	flowering currant	5–7	20	–	–	Nov–Mar	Burrows 1994
<i>Ribes uva-crispa</i>	gooseberry	10–25 (12.5 [#])	10–25 (16) [#]	–	8	Nov–Feb	Snow & Snow 1988
<i>Rosa rubiginosa</i>	sweet briar	8–20 (11.5 [#])	7–23 (16.5) [#]	–	23	Feb–May	Snow & Snow 1988
<i>Rubus fruticosus</i> agg.	blackberry	8–16 (15.5)	30 [#]	–	2.8	Nov–Jun	Snow & Snow 1988; Williams & Karl 1996; Ridley 1998
<i>Rubus idaeus</i>	raspberry	–	Many	–	2.7	Jan–Mar	Snow & Snow 1988

Weed species	Common name	Fruit width (mm)	No. seeds	Seed width (mm)	Seed mass (mg)	Fruit	Additional references (see Appendix S3)
<i>Rubus phoenicolasius</i>	Japanese wineberry	10	Many	–	–	Dec–Apr	eFloras 2008
<i>Sambucus nigra</i>	elder	4–8.5 (5.7)	3–5 (3.2)	–	7.3	Feb–May	Williams & Karl 1996; Ridley 1998
<i>Solanum diflorum</i>	Jerusalem cherry	10–15	–	–	–	–	
<i>Solanum dulcamara</i>	bittersweet	8–15 (8.6 [#])	19–37	–	2.8	Jan–Jun	Snow & Snow 1988
<i>Solanum jasminoides</i> *	potato vine	4–6	Many	–	–	–	
<i>Solanum linnaeanum</i>	apple of Sodom	15–35	Many	–	–	Sp, Su	Parsons & Cuthbertson 2000
<i>Solanum mauritianum</i>	woolly nightshade	10	173.3 [#]	1.6	154	Jun–Jan	Gosper & Vivian-Smith 2010
<i>Solanum pseudocapsicum</i>	Jerusalem cherry	11.4	37.4	–	135.8	Apr–May	Williams & Karl 1996
<i>Sorbus aucuparia</i>	rowan	5–10 (8.6 [#])	1–4 (2.2)	–	8.2	Jan–Apr	Snow & Snow 1988
<i>Syzygium australe</i>	brush cherry	7– (20.7)	1	8	–	Jan–Jun	Karan 2000; C. Gosper unpubl. data
<i>Syzygium smithii</i>	monkey apple	10–30 (16.8)	1	–	–	Jun–Oct	Karan 2000
<i>Trachycarpus fortunei</i>	Chinese windmill palm	9	1	–	–	Mar	
<i>Tropaeolum pentaphyllum</i>	ladies' legs	7	1	–	–	Su, Au	Harman 2006
<i>Tropaeolum speciosum</i>	Chilean flame creeper	5–7	1	–	–	Feb–Apr	Ridley 1998
<i>Ugni molinae</i>	strawberry myrtle	8–14	15–25	–	0.074	Au	Smith-Ramírez et al. 1998
<i>Vaccinium corymbosum</i>	blueberry	12–20	Many	–	–	Su, Au	Vander Kloet & Cabilio 1984
<i>Vitis vinifera</i>	grape	5–23	2–4	–	–	Au	Debussche et al. 1982
<i>Zantedeschia aethiopica</i>	arum lily	≤ 10	Few–many	–	–	–	

Appendix S2. Potential seed dispersers recorded feeding on fleshy-fruited weeds in New Zealand (o = observed feeding on fruits, or fruit remains in droppings or stomach; s = intact seeds in droppings; v = viable seeds in droppings; n = non-viable seeds in droppings; ? = reported feeding but unlikely to disperse intact seeds, either due to seed damage or pulp theft; – = no record; * = few fruits or viable seeds produced; R-c parakeet = red-crowned parakeet). See references for scientific names of dispersers.

	Blackbird	Silvereye	Starling	Kererū	Tūtū	Possum	Bellbird	Song thrush	Myna	Pig	R-c parakeet	Ship rat	Kiore	Hedgehog	Hare	Chaffinch	Pūkeko	Cattle	Sheep	Common Gecko	Sparrow	Greenfinch	Turkey	Pheasant	Norway rat	Mouse	References (see Appendix S3)
<i>Acacia melanoxylon</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Actinidia deliciosa</i>	–	o	–	–	–	o	–	–	–	–	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Sullivan & Williams 2002
<i>Akebia quinata</i> *	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Alocasia brisbanensis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Arum italicum</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Asparagus asparagoides</i>	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Williams & Karl 1996
<i>Asparagus scandens</i>	o	–	s	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Fromont & King 1992; Anderson et al. 2006
<i>Asparagus setaceus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Berberis darwinii</i>	o	o	–	o	–	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Allen & Lee 1992
<i>Berberis glaucocarpa</i>	so	so	so	–	–	s	–	so	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Anonymous 1940; Hodgkins 1949; Williams & Karl 1996; Anderson et al. 2006; MacFarlane 2012; Wyman 2013; Henderson & Kelly unpubl. data
<i>Bryonia cretica</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Carpobrotus chilensis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Carpobrotus edulis</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Celastrus orbiculatus</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Cestrum aurantiacum</i> *	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Cestrum elegans</i> *	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Cestrum nocturnum</i>	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Edgar 1972
<i>Cestrum parqui</i>	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i>	–	–	–	–	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Fromont & King 1992; Timmins & Mackenzie 1995
<i>Citrus sinensis</i>	–	?	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Edgar 1972
<i>Cornus capitata</i>	–	o	–	o	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Sibson 1993; Powlesland et al. unpubl. data
<i>Cotoneaster franchetii</i>	o	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Williams & Karl 1996; Henderson & Kelly unpubl. data
<i>Cotoneaster glaucophyllus</i>	–	–	–	o	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Powlesland et al. unpubl. data

	Blackbird	Silvereye	Starling	Kererū	Tūi	Possum	Bellbird	Song thrush	Myna	Pig	R-c parakeet	Ship rat	Kiore	Hedgehog	Hare	Chaffinch	Pūkeko	Cattle	Sheep	Common Gecko	Sparrow	Greenfinch	Turkey	Pheasant	Norway rat	Mouse	References (see Appendix S3)
<i>Leycesteria formosa</i>	so	so	s	-	s	s	s	s	-	-	-	-	-	-	-	so	-	-	-	-	-	-	-	-	-	-	Burrows 1994; Williams & Karl 1996; Dungan et al. 2002; Anderson et al. 2006; Henderson & Kelly unpubl. data
<i>Ligustrum lucidum</i>	o	o	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bergquist 1987; Fromont & King 1992; Timmins & Mackenzie 1995; Karan 2000
<i>Ligustrum ovalifolium</i> *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Ligustrum sinense</i>	o	so	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bergquist 1987; Timmins & Mackenzie 1995; Williams & Karl 1996; Powlesland et al. unpubl. data
<i>Lonicera japonica</i> *	o	so	s	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Williams & Karl 1996; Williams & Timmins 1998; Anderson et al. 2006
<i>Lycium ferocissimum</i>	-	-	s	-	-	-	-	-	-	-	-	-	o	-	-	-	-	-	-	-	?	?	-	-	-	-	Taylor 1968; MacMillan 1981; Campbell et al. 1984
<i>Myoporum insulare</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Ochna serrulata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Olea europaea</i> subsp. <i>cuspidata</i>	-	-	s	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Anderson et al. 2006; C. Howell pers. comm. 2013
<i>Opuntia monacantha</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Passiflora caerulea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Passiflora edulis</i>	-	-	-	-	o	-	-	-	-	-	-	n	n	-	-	-	-	-	-	-	-	-	-	-	n	-	West 1996
<i>Passiflora tarminiana</i>	o	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Fromont & King 1992
<i>Passiflora tripartita</i> var. <i>mollissima</i>	s	o	-	-	-	ovn	-	-	-	vn	-	on	?	-	-	-	o	-	-	-	-	-	-	-	?	?	Williams & Buxton 1995; Williams & Karl 1996; Beavon & Kelly in press
<i>Phoenix canariensis</i>	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Williams 2006
<i>Physalis peruviana</i>	-	-	s	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Anderson et al. 2006
<i>Phytolacca octandra</i>	-	o	s	-	o	-	-	-	-	-	o	-	-	-	-	-	-	s	o	s	-	-	?	?	-	-	Moncrieff 1928; Sibson 1960a; Hilgendorf & Calder 1967; Gravatt 1969; Edgar 1972; Dawe 1979; Greene 1998; Ferguson & Drake 1999; Wotton 2002; Anderson et al. 2006
<i>Prunus avium</i>	o	o	o	-	-	-	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Turbott 1967; Dawson & Bull 1970; Coleman 1977; Gibb 2000; Henderson & Kelly unpubl. data

	Blackbird	Silvereye	Starling	Kererū	Tūi	Possum	Bellbird	Song thrush	Myna	Pig	R-c parakeet	Ship rat	Kiore	Hedgehog	Hare	Chaffinch	Pūkeko	Cattle	Sheep	Common Gecko	Sparrow	Greenfinch	Turkey	Pheasant	Norway rat	Mouse	References (see Appendix S3)
<i>Prunus campanulata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Prunus cerasifera</i>	?	?	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	Taylor & Parrish 1991; Henderson & Kelly unpubl. data
<i>Prunus laurocerasus</i>	-	-	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ridley 1998
<i>Prunus persica</i>	-	?	?	-	-	-	?	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Oliver 1922; Phillipps & Lindsay 1948; Dawson & Bull 1970; Moeed 1975;
<i>Prunus serrulata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Prunus ×domestica</i>	?	?	?	o	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	McLean 1911; Turbott 1967; Dawson & Bull 1970; Gibb 1970, 2000; McEwen 1978
<i>Psidium cattleianum</i>	o	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	McEwen 1978; Karan 2000; Powlesland et al. unpubl. data
<i>Psidium guajava</i>	-	-	s	-	-	-	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Moore 1981; Schodde et al. 1983; Forshaw & Cooper 1989; Anderson et al. 2006
<i>Pyracantha angustifolia</i>	-	-	s	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Anderson et al. 2006
<i>Pyracantha crenatoserrata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Rhamnus alaternus</i>	o	-	o	-	-	-	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Timmins & Mackenzie 1995
<i>Rhaphiolepis umbellata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Ribes sanguineum</i>	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Burrows 1994
<i>Ribes uva-crispa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Rosa rubiginosa</i>	-	-	-	o	-	os	-	-	-	o	-	-	-	s	o	-	-	-	-	-	-	-	-	-	-	-	Oliver 1955; Turbott 1967; Blay 1989; McIlroy 2005; Jones & Norbury 2011; Glen et al. 2012; Rouco & Norbury 2013
<i>Rubus fruticosus</i> agg.	o	o	s	-	-	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sibson 1960b, 1961; Warburton 1978; Burrows 1994; Williams & Karl 1996; Gibb 2000; Dungan et al. 2002; Anderson et al. 2006;
<i>Rubus idaeus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Rubus phoenicolasius</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Sambucus nigra</i>	o	so	s	o	-	svn	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Anonymous 1940; McEwen 1978; Burrows 1994; Williams & Karl 1996; Ridley 1998; Dungan et al. 2002

	Blackbird	Silvereye	Starling	Kererū	Tūi	Possum	Bellbird	Song thrush	Myna	Pig	R-c parakeet	Ship rat	Kiore	Hedgehog	Hare	Chaffinch	Pūkeko	Cattle	Sheep	Common Gecko	Sparrow	Greenfinch	Turkey	Pheasant	Norway rat	Mouse	References (see Appendix S3)
<i>Solanum diflorum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Solanum dulcamara</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Solanum jasminoides</i> *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Solanum linnaeanum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Solanum mauritianum</i>	-	-	s	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Anderson et al. 2006; Powlesland et al. unpubl. data
<i>Solanum pseudocapsicum</i>	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Williams & Karl 1996
<i>Sorbus aucuparia</i>	-	-	-	o	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Oliver 1955; Kikkawa 1966; Turbott 1967; McEwen 1978; Dunn 1981; Powlesland et al. unpubl. data;
<i>Syzygium australe</i>	o	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Karan 2000
<i>Syzygium smithii</i>	o	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	Fromont & King 1992; Karan 2000; Powlesland et al. unpubl. data; C. Howell pers. comm. 2013
<i>Trachycarpus fortunei</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Tropaeolum pentaphyllum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Tropaeolum speciosum</i>	-	-	-	o	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Ridley 1998
<i>Ugni molinae</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Vaccinium corymbosum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Vitis vinifera</i>	so	o	so	-	o	-	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Stidolph 1950; Dawson & Bull 1970; Gravatt 1970; Edgar 1972; Moeed 1980; Gibb 2000; Saxton 2004; Anderson et al. 2006; MacFarlane 2012
<i>Zantedeschia aethiopica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total weeds eaten	28	30	24	17	12	11	10	9	5	2	2	3	3	1	1	1	1	1	1	1	3	2	1	1	2	1	
Total weeds dispersed ¹	26	24	21	17	12	11	9	9	3	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	

¹ Excluding species where seeds are too large to swallow or probably destroyed.

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