



HOUHERE – piwakawaka - kohuhu, mid age plains system

Food for native birds:
 F = Fruit
 S = Bird Seed
 N = Nectar
 B = Bud/foilage
 I = Insects
 For lizards: L = fruit

Plant Tolerances

■ = tolerates or needs
 □ = intolerant
 ½ = tolerant of some

* = to establish, protect from frost
 t = toxic for toddlers

Staging

1 = 1st structural
 2 = 2nd year
 3 = only after canopy closure

PLANT LISTS Selected from vegetation natural to these moist & deep Waimakariri soils

TALL (NOBLE) TREES (> 10 m)

<i>Cordyline australis</i>	ti kouka, cabbage tree	F,N,I
<i>Hoheria angustifolia</i>	houhere, narrow-leaved lacebark (semi-decid)	I
<i>Kunzea ericoides</i>	kanuka	I
<i>Pittosporum eugenioides</i>	tarata, lemonwood	F
<i>Plagianthus regius</i>	manatu, lowland ribbonwood (deciduous)	F,I
<i>Podocarpus totara</i>	totara	F
<i>Prumnopitys taxifolia</i>	matai, black pine	F
<i>Pseudopanax crassifolius</i>	lancewood, horoeka	F,N,B,I
<i>Sophora microphylla</i>	South Island kowhai	F,I

SMALL TREES & TALL SHRUBS (> 3 m)

<i>Carpodetus serratus</i>	putaputaweta, marbleleaf	F,I	½ ■ ■ ½ □	2
<i>Coprosma linariifolia</i>	linear-leaved coprosma, yellow-wood	F	½ ■ ½ ½ ½	2
<i>Coprosma robusta</i>	karamu	F	■ ■ ■ ½ ½	1
<i>Dodonaea viscosa</i>	akeake	I	■ ½ □ ■ ■	1-2*
<i>Griselinia littoralis</i>	kapuka, broadleaf	F,I	■ ■ ½ ■ ■	2
<i>Leptospermum scoparium</i>	manuka, tea tree	I	■ □ ■ ■ ■	1
<i>Lophomyrtus obcordata</i>	rohutu, NZ myrtle	F,I	½ ■ ½ ½ ½	2
<i>Melicytus micranthus</i>	manakura, shrubby mahoe	F,I	½ ■ ½ ½ □	3
<i>Melicytus ramiflorus</i>	mahoe, whiteywood	F,L,I	½ ■ ½ ½ ½	3*
<i>Myoporum laetum</i>	ngaio	F,I	■ ½ □ ■ ■ t	3*
<i>Myrsine australis</i>	mapau, red mapau	F,L,I	■ ■ ½ ½ ½	3*
<i>Olearia paniculata</i>	akiraho, golden akeake	I, S	■ ½ □ ■ ■	1
<i>Pennantia corymbosa</i>	kaikomako, ducksfeet	F,N,I	½ ■ ■ ½ ½	2
<i>Pittosporum tenuifolium</i>	kohuhu, black matipo/mapau, tawhari	F,I	■ ■ ½ ■ ■	1
<i>Pseudopanax arboreus</i>	fivefinger, whauwhaupaku	F,N,I	■ ■ □ ½ ½	2

CLIMBERS & VINES

<i>Clematis forsteri</i>	yellow clematis	I	½ ■ □ ½ ½	3
<i>Parsonsia capsularis</i>	kaiwhiria, NZ jasmine	I	■ ■ ½ ½ ■	3
<i>Parsonsia heterophylla</i>	kaiwhiria, NZ jasmine	I	■ ■ ½ ■ ■	3
<i>Rubus schmidelioides</i>	taramoa, narrow-leaved lawyer	F,I	■ ½ ½ ■ ■	2

SHRUBS & SCRAMBLERS

<i>Calystegia tuguriorum</i>	powhiwhi, NZ bindweed	I	■ ½ □ ■ ■	2
<i>Coprosma crassifolia</i>	thick-leaved mikimiki	F,L	■ ½ ½ ■ ■	1
<i>Coprosma propinqua</i>	mikimiki, mingimingi	F,L	■ ½ ■ ■ ■	1
<i>Coprosma rubra</i>	red-stemmed coprosma	F,L	■ ½ ½ ½ ■	1

Tolerances

Food sun shade wet dry wind Stages

Tolerances

		Food	sun shade wet dry wind	Stages
<i>Coprosma virescens</i>	pale green coprosma	F,L	■ ½ ½ ■ ■	1
<i>Hebe salicifolia</i>	koromiko	I	■ □ □ ½ ■	1
<i>Helichrysum lanceolatum</i>	ninia	I	■ ½ □ ■ ■	2
<i>Leptecophylla juniperina</i>	prickly mingimingi	F,I	½ ■ □ ■ ■	2
<i>Leucopogon fasciculatus</i>	dwarf mingimingi	F,I	½ ½ □ ½ ½	2
<i>Melicope simplex</i>	poataniwha	F,I	½ ■ ½ ½ ■	3
<i>Muehlenbeckia astonii</i>	shrub pohuehue	F,L,I	■ □ □ ■ ■	1
<i>Muehlenbeckia complexa</i>	scrambling pohuehue	F,L,I	■ □ □ ■ ■	1
<i>Myrsine divaricata</i>	weeping mapou	F,L,I	½ ½ ■ ½ ■	2
<i>Rubus squarrosus</i>	leafless lawyer	F,L,I	■ ½ □ ■ ■	2
<i>Teucrium parvifolium</i>	NZ shrub verbena	I	■ ½ □ ½ ■	2

PERCHING PLANTS & PARTIAL PARASITES

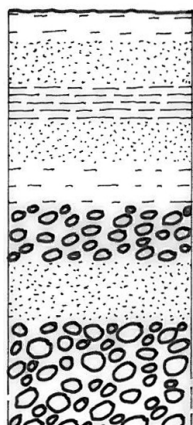
<i>Ileostylus micranthus</i>	NZ mistletoe	F,N,B	■ □ □ □ ■	3
<i>Korthalsella lindsayi</i>	dwarf mistletoe	I	■ □ □ □ ■	3
<i>Pyrrosia elaeagnifolia</i>	leather-leaf fern		■ ■ □ ■ ■	3

GROUND COVER HERBS & 'GRASSES'

<i>Acaena novae-zelandiae</i>	bidibidi, pipiripi	S,I	■ □ □ ■ ■	2
<i>Dianella nigra</i>	turutu, blue berry	F,I	■ ■ □ ■ ■	2
<i>Dichondra repens</i>	dichondra		■ ■ □ ■ ■	
<i>Hypnum cupressiforme</i>	moss		½ ■ ½ ■ ■	3
<i>Juncus distegus</i>	wiwi, tussock rush	S	■ □ ■ ½ ■	1
<i>Leucopogon fraseri</i>	patototara, a dwarf heath	F, L,I	■ ½ □ ■ ■	2
<i>Libertia ixioides</i>	mikoikoi, NZ iris	F,I	■ ■ □ ■ ■	3
<i>Microlaena polynoda</i>	a rice grass	S	½ ■ ½ ½ ■	3
<i>Microlaena stipoides</i>	meadow rice grass	S	■ ■ ½ ■ ■	3
<i>Parietaria debilis</i>	NZ pellitory	I	½ ■ □ ½ ½	3
<i>Stellaria parviflora</i>	NZ stitchwort	S,I	□ ■ □ ■ □	3
<i>Thuidium sparsum</i>	moss		■ ■ □ ■ ■	3
<i>Urtica incisa</i>	dwarf nettle	I	½ ■ □ ½ □	3

GROUND FERNS

<i>Asplenium flabellifolium</i>	necklace fern	B	½ ■ □ ■ □	3*
<i>Asplenium terrestre</i>	ground spleenwort	B	½ ■ □ ■ □	3*
<i>Blechnum penna-marina</i>	kiokio, little hard fern		■ ■ ½ ■ ½	3
<i>Hypolepis ambigua</i>	rough pig fern		½ ■ ■ ½ ½	3
<i>Pellaea rotundifolia</i>	tarawera, button fern		½ ■ □ ■ □	3
<i>Microsorium pustulatus</i>	maratata, hounds tongue fern		½ ■ □ ■ □	2
<i>Polystichum zelandica/richardii</i>	pikopiko/tutoke, shield fern		½ ■ □ ■ □	2
<i>Pteridium esculentum</i>	rahurahu, bracken fern		■ ½ ½ ■ ■	1



Underlayers: Alternating silt & sand (minor clay) on greywacke river stones (2-100mm rounded) on sand on more stones