

Wet Plains: TŌTARA – bellbird – mataī, older plains ecosystem

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

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

Food for native birds:

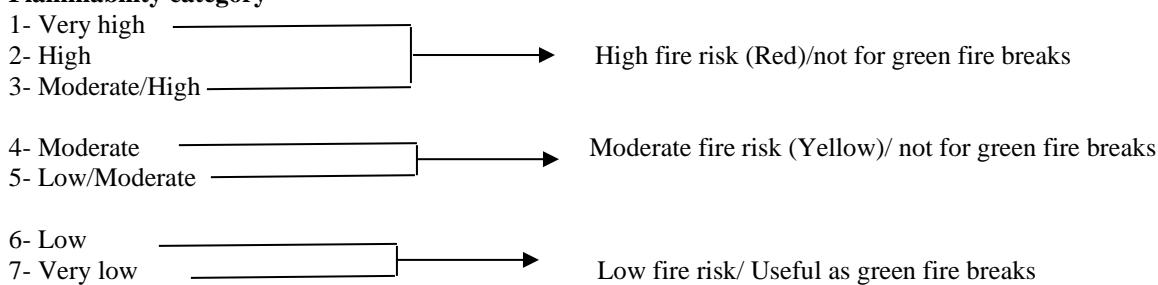
- F = Fruit
- S = Bird Seed
- N = Nectar
- B = Bud/foliage
- I = Insects

For lizards: L = fruit

Plants keyed to landform units, as shown in diagram:

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

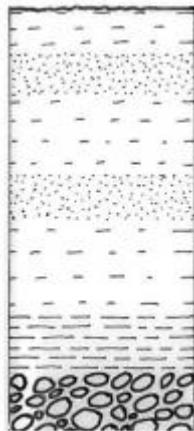
Flammability category



		Fire risk	Food	sun	shade	wet	dry	wind	Stages
ALL (NOBLE) TREES (> 12 m)									
<i>Alectryon excelsus</i>	tītoki	H	F,I	½	■	½	½	□	3*
<i>Cordyline australis</i>	tī kōuka, cabbage tree	M	F,N,I	■	½	■	■	■	1
<i>Elaeocarpus dentatus</i>	hīnau		F,I	½	½	½	½	□	3*
<i>Pittosporum eugenioides</i>	tarata, lemonwood	M	F,I	■	■	½	■	½	1
<i>Plagianthus regius</i>	mānatu, lowland ribbonwood (deciduous)	L	I,B	■	½	½	½	■	1
<i>Podocarpus totara</i>	tōtara	H	F	■	½	½	■	■	2
<i>Prumnopitys taxifolia</i>	mataī, black pine	M	F	■	½	■	½	■	2
<i>Pseudopanax crassifolius</i>	lancewood, horoeka	L	F,N,B,I	■	½	½	■	■	2
<i>Sophora microphylla</i>	South Island kōwhai	L	N,B	■	½	½	■	■	2
SMALL TREES & TALL SHRUBS (> 5 m)									
<i>Aristotelia serrata</i>	makomako, wineberry (semi-decid)	L	F,I,B	½	½	½	½	□	2
<i>Carpodetus serratus</i>	putaputaweta, marbleleaf	L	F,I	½	■	½	½	□	2
<i>Coprosma areolata</i>	net-leaved coprosma		F,B	½	■	■	½	□	2*
<i>Coprosma linariifolia</i>	linear-leaved coprosma, yellow-wood		F	½	■	½	½	½	2
<i>Coprosma lucida</i>	shining karamū		F	½	■	½	½	■	2
<i>Coprosma robusta</i>	karamū	M	F	■	■	■	½	½	1
<i>Coprosma rotundifolia</i>	round-leaved coprosma		F,B	½	□	■	□	□	2*
<i>Dodonaea viscosa</i>	akeake	M	I	□	½	□	□	□	2*
<i>Fuchsia excorticata</i>	kōtukutuku, tree fuchsia (decid)	L	F,N,B	½	■	½	□	□	3*
<i>Griselinia littoralis</i>	kāpuka also known as pāpāuma, broadleaf	L	F,I	■	■	½	■	■	2
<i>Hedycarya arborea</i>	porokaiwhiri, pigeonwood		F,I	½	■	½	□	□	3*

<i>Hoheria angustifolia</i>	houhere, narrow-leaved lacebark (semi-dec)	M	I	■	½	½	■	■	1
<i>Kunzea robusta</i>	kānuka	H	I	■	□	□	■	■	1
<i>Leptospermum scoparium</i>	mānuka, tea tree	H	I	■	□	■	■	■	1
<i>Lophomyrtus obcordata</i>	rōhutu, NZ myrtle	F,I	½	■	½	½	■	■	2
<i>Melicytus micranthus</i>	manakura, shrubby māhoe	F,I	½	■	½	½	□	3	
<i>Melicytus ramiflorus</i>	māhoe, whiteywood	L	F,L,I	½	■	½	½	½	3*
<i>Myoporum laetum</i>	ngaio	L	F,I	□	½	□	□	□	3*
<i>Myrsine australis</i>	mapau, red mapau	L	F,L,I	■	■	½	½	½	3*
<i>Neomyrtus pedunculata</i>	rōhutu, NZ myrtle	F,I	½	■	■	□	□	3*	
<i>Pennantia corymbosa</i>	kaikōmako, ducksfeet	L	F,N,I	½	■	■	½	½	2
<i>Pittosporum tenuifolium</i>	kōhūhū, black matipo/mapau, tawhar	M	F,I	■	■	½	■	■	1
<i>Pseudopanax arboreus</i>	fivefinger, whauwhaupaku	L	F,N,I	■	■	□	½	½	2
<i>Pseudowintera colorata</i>	horopito, peppertree	H	F,N,I	■	■	■	□	½	2
CLIMBERS & VINES									
<i>Clematis forsteri</i>	yellow clematis		I	½	½	□	½	½	3
<i>Clematis paniculata</i>	puawananga, bush/white clematis		I	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>Passiflora tetrandra</i>	kōhia, NZ passionvine		I	□	■	½	□	½	3*
<i>Rubus cissoides</i>	not in Riccarton!	M	F,I	½	½	½	□	½	2
<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 propinqua</i>	mikimiki, mingimingi	L	F,L	■	½	■	■	■	1
<i>Coprosma rhamnoides</i>	red-fruited mikimiki		F,L	□	□	½	½	□	3*
<i>Coprosma rubra</i>	red-stemmed coprosma		F,L	■	½	½	½	■	1
<i>Fuchsia perscandens</i>	climbing fuchsia		F,L,N,I	½	½	□	½	½	3*
<i>Veronica salicifolia</i>	koromiko		I	■	□	□	½	■	1
<i>Leucopogon fasciculatus</i>	mingimingi	M	F,I	½	½	□	½	½	2
<i>Melicope simplex</i>	poataniwha		F,I	½	■	½	½	■	3
<i>Myrsine divaricata</i>	weeping māpou		F,L,I	½	½	■	½	■	2
<i>Pseudopanax anomalus</i>	shrub pseudopanax		F,N	½	■	½	□	½	3
<i>Rubus squarrosus</i>	leafless lawyer		F,L,I	■	½	□	■	■	2
<i>Urtica ferox</i>	ongaonga, tree nettle		I	½	■	□	½	□	3*
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
<i>Tupeia antarctica</i>	NZ mistletoe		F,I	■	□	□	□	■	3
GROUNDCOVER HERBS & 'GRASSES'									
<i>Acaena anserinifolia</i>	piripiri, bidibidi		S,I	■	½	□	½	■	2
<i>Acaena novae-zelandiae</i>	bidibidi, piritiri		S,I	■	□	□	■	■	2
<i>Anemanthele lessoniana</i>	hunangamoho, bamboo/wind grass		S	■	■	□	½	■	2
<i>Astelia fragrans</i>	kakaha, bush flax		F,I	■	■	½	½	■	2
<i>Carex cockayneana</i>	forest sedge		S	■	■	½	½	■	3
<i>Carex forsteri</i>	forest sedge		S	■	■	½	½	■	3
<i>Carex lambertiana</i>	forest sedge		S	■	■	½	½	■	3
<i>Carex solandri</i>	forest sedge		S,I	■	■	½	½	■	3
<i>Carex virgata</i>	swamp sedge		S,I	■	½	■	½	■	1
<i>Austroderia richardii</i>	toetoe		S	■	□	½	■	■	1
<i>Dianella nigra</i>	tūruru, blue berry		F,I	■	■	□	■	■	2
<i>Echinodidymum hispidum</i>	moss			□	■	½	½	□	3
<i>Hypnum cupressiforme</i>	moss			½	■	½	■	■	3
<i>Juncus distegus</i>	wīwī, tussock rush		S	■	□	■	½	■	1
<i>Juncus edgareae</i>	wīwī, tussock rush		S	■	□	■	½	■	1

<i>Juncus sarophorus</i>	wīwī, tussock rush	S	■	□	■	½	■	1
<i>Libertia ixioides</i>	mīkoikoi, 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>Phormium tenax</i>	harakeke, NZ flax	L	N,L	■	□	■	■	1
<i>Pratia angulata</i>	panakenekē, creeping pratia	F,I	■	½	½	½	■	1-3
<i>Ranunculus reflexus</i>	NZ buttercup	S,I	□	■	□	½	□	3
<i>Stellaria parviflora</i>	NZ stitchwort	S,I	□	■	□	■	□	3
<i>Thuidium sparsum</i>	moss		■	■	□	■	■	3
<i>Carex corynoidea</i>	watau/kamu, hooked sedge	S	½	■	½	½	½	3
<i>Urtica incisa</i>	dwarf nettle	I	½	■	□	½	□	3
GROUND & TREE FERNS								
<i>Asplenium flabellifolium</i>	necklace fern	B	½	■	□	■	□	3*
<i>Asplenium gracillimum</i>	makau, graceful spleenwort	B	½	■	½	½	□	3*
<i>Asplenium terrestrre</i>	ground spleenwort	B	½	■	□	■	□	3*
<i>Parablechnum novae-zelandiae /minus</i>	swamp kio kio		½	■	■	□	□	2
<i>Austroblechnum penna-marina</i>	kio kio, little hard fern	L	■	■	½	■	½	3
<i>Cyathea dealbata</i>	ponga, silver (tree) fern	M	½	■	□	½	□	3*
<i>Dicksonia fibrosa</i>	kurīpākā, whekī ponga - tree fern		½	■	■	□	□	3*
<i>Dicksonia squarrosa</i>	whekī, rough tree fern	H	½	■	½	½	□	2
<i>Hypolepis ambigua</i>	rough pig fern		½	■	■	½	½	3
<i>Pellaea rotundifolia</i>	tarawera, button fern		½	■	□	■	□	3
<i>Microsorum 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	M	■	½	½	■	■	1



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

