



# KOWHAI – pipit – mikimiki young plains ecosystem

Food for native birds:

F = Fruit

S = Bird Seed

N = Nectar

B = Bud/foliage

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 = 1<sup>st</sup> structural

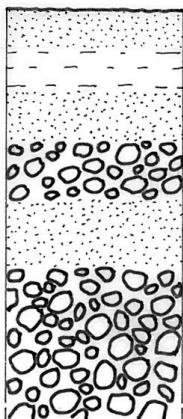
2 = 2<sup>nd</sup> year

3 = only after canopy closure

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

|   |  | Tolerances |     |       |     |     |      |        |
|---|--|------------|-----|-------|-----|-----|------|--------|
|   |  | Food       | sun | shade | wet | dry | wind | Stages |
| <b>TREES &amp; TALL SHRUBS (&gt;5 m tall)</b> |  |            |     |       |     |     |      |        |
| <i>Coprosma robusta</i>                       | karamu                                       | F          | ■   | ■     | ■   | ½   | ½    | 1      |
| <i>Cordyline australis</i>                    | ti kouka, cabbage tree                       | F,N,I      | ■   | ½     | ■   | ■   | ■    | 1      |
| <i>Dodonaea viscosa</i>                       | akeake                                       | I          | ■   | ½     | □   | ■   | ■    | 2*     |
| <i>Griselinia littoralis</i>                  | kapuka, broadleaf                            | F,I        | ■   | ■     | ½   | ■   | ■    | 2      |
| <i>Hoheria angustifolia</i>                   | houhere, narrow-leaved lacebark (semi-decid) | I          | ■   | ½     | ½   | ■   | ■    | 1      |
| <i>Kunzea ericoides</i>                       | kanuka                                       | I          | ■   | □     | □   | ■   | ■    | 1      |
| <i>Melicactus micranthus</i>                  | manakura, shrubby mahoe                      | F,I        | ½   | ■     | ½   | ½   | □    | 3      |
| <i>Melicactus ramiflorus</i>                  | mahoe, whiteywood                            | F,L,I      | ½   | ■     | ½   | ½   | ½    | 3*     |
| <i>Myoporum laetum</i>                        | ngaio  | F,I        | ■   | ½     | □   | ■   | t    | 3*     |
| <i>Olearia paniculata</i>                     | akiraho, golden akeake                       | I          | ■   | ½     | □   | ■   | ■    | 1      |
| <i>Pittosporum tenuifolium</i>                | kohuhu, black matipo/mapau, tawhari          | F,I        | ■   | ■     | ½   | ■   | ■    | 1      |
| <i>Podocarpus totara</i>                      | totara                                       | F          | ■   | ½     | ½   | ■   | ■    | 2      |
| <i>Pseudopanax arboreus</i>                   | fivefinger, whauwhaupaku                     | F,N,I      | ■   | ■     | □   | ½   | ½    | 2      |
| <i>Pseudopanax crassifolius</i>               | lancewood, horoeka                           | F,N,B,I    | ■   | ½     | ■   | ■   | ■    | 2      |
| <i>Sophora microphylla</i>                    | South Island kowhai                          | N,I        | ■   | ½     | ½   | ■   | t    | 2      |
| <b>CLIMBERS &amp; VINES</b>                   |  |            |     |       |     |     |      |        |
| <i>Clematis forsteri</i>                      | yellow clematis                              | I          | ½   | ■     | □   | ½   | ½    | 3      |
| <i>Clematis quadribracteolata/marata</i>      | clematis                                     | I          | ■   | ½     | □   | ■   | ■    | 2      |
| <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      |
| <b>SHRUBS &amp; SCRAMBLERS</b>                |  |            |     |       |     |     |      |        |
| <i>Calystegia tuguriorum</i>                  | powhiwhi, NZ bindweed                        | S,I        | ■   | ½     | □   | ■   | ■    | 2      |
| <i>Carmichaelia australis</i>                 | NZ shrub broom                               | S,I        | ■   | □     | □   | ■   | ■    | 1      |
| <i>Clematis afoliata</i>                      | leafless clematis                            | S,I        | ■   | □     | □   | ■   | ■    | 1      |
| <i>Coprosma crassifolia</i>                   | thick-leaved mikimiki                        | F,L        | ■   | ½     | ½   | ■   | ■    | 1      |
| <i>Coprosma intertexta</i>                    | open mikimiki                                | F,L        | ■   | ½     | □   | ■   | ■    | 1      |
| <i>Coprosma propinqua</i>                     | mikimiki, mingimingi                         | F,L        | ■   | ½     | ■   | ■   | ■    | 1      |
| <i>Coprosma virescens</i>                     | pale green coprosma                          | F,L        | ■   | ½     | ½   | ■   | ■    | 1      |
| <i>Corokia cotoneaster</i>                    | korokio                                      | F,I        | ■   | ½     | □   | ■   | ■    | 1      |
| <i>Discaria toumatou</i>                      | matagouri                                    | I          | ■   | □     | □   | ■   | ■    | 1      |
| <i>Helichrysum lanceolatum</i>                | niniaio                                      | I          | ■   | ½     | □   | ■   | ■    | 2      |
| <i>Leptecophylla juniperina</i>               | prickly mingimingi                           | F,I        | ½   | ■     | □   | ■   | ■    | 2      |
| <i>Leucopogon fasciculatus</i>                | mingimingi                                   | F,I        | ½   | ½     | □   | ½   | ½    | 2      |

|                                |                        | Tolerances |     |       |     |     |      |        |
|--------------------------------|------------------------|------------|-----|-------|-----|-----|------|--------|
|                                |                        | Food       | sun | shade | wet | dry | wind | Stages |
| <i>Melicytus alpinus</i>       | porcupine shrub        | F,L,I      | ■   | □     | □   | ■   | ■    | 1      |
| <i>Muehlenbeckia astonii</i>   | shrub pohuehue         | F,L,I      | ■   | □     | □   | ■   | ■    | 1      |
| <i>Muehlenbeckia complexa</i>  | scrambling pohuehue    | F,L,I      | ■   | □     | ½   | ■   | ■    | 1      |
| <i>Myrsine divaricata</i>      | weeping mapou          | F,L,I      | ½   | ½     | ■   | ½   | ■    | 2      |
| <i>Olearia adenocarpa</i>      | Canterbury shrub daisy | S,I        | ■   | □     | □   | ■   | ■    | 1      |
| <i>Ozothamnus leptophyllus</i> | tauhinu, cottonwood    | S,I        | ■   | □     | ½   | ■   | ■    | 1      |
| <i>Pomaderris ericifolia</i>   | tauhinu                | S,I        | ■   | ½     | □   | ■   | ■    |        |
| <i>Rubus squarrosus</i>        | leafless lawyer        | F,L,I      | ■   | ½     | □   | ■   | ■    | 2      |
| <i>Teucrium parvifolium</i>    | NZ shrub verbena       | I          | ■   | ½     | □   | ½   | ■    | 2      |



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