

Native planting programme

Planting for soil conservation, biodiversity and water quality

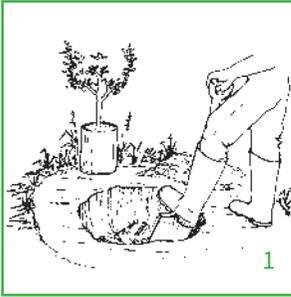


Waikato



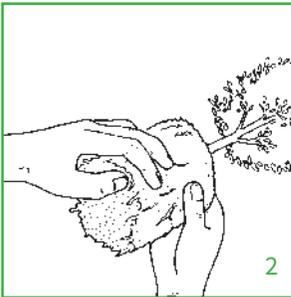
REGIONAL COUNCIL
Te Kaunihera ā Rohe o Waikato

Tips for planting



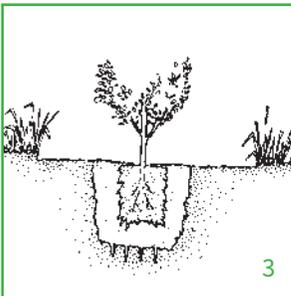
Prepare the planting hole

The hole should always be larger than the plant container or root ball. Once the hole is large enough, loosen the soil on the sides and in the bottom of the hole to allow the plant's roots to penetrate the soil more easily. The hole should be deep enough so the collar (base of the stem where the roots start) is slightly below ground level (1cm) on most sites and slightly above (1-2cm) on wet or saturated sites.



Remove the plant from its pot, plastic bag or root trainer

Be careful to retain as much soil around the roots as possible. If the roots are tightly bound, gently tease them apart. Root bound plants are slower growing and take longer to establish.



Place the plant in the hole

Make sure the stem is the correct depth in relation to the adjacent soil surface. Gradually add soil into the hole around the roots, firming each layer with your hands.

Firm the soil well after the hole is filled with the heel of your boot, leaving a slight depression to catch any rain or water run-off.

Key to symbols

Form



Tree
– Primary form



Small tree
– Primary form



Shrub



Grass/Sedge
(Graminoid)

Suitability



Suitable for primary planting
(grows well on exposed sites)



Suitable for secondary planting
(needs the shelter of bigger plants)



Suitable for riparian planting



Suitable for wetland planting



Suitable for slope stabilisation

Tolerances



Drought tolerant



Wind tolerant



Salt wind tolerant



Frost tolerant

Plant index

Aristotelia serrata (wineberry/makomako)

mature height/width – 8m x 3m



Austroderia fulvica (toetoe)

mature height/width – 1.5m x 1.5m



Carex geminata, *Carex secta*, *Carex virgata*

mature height – 75cm to 1m



All look very similar at juvenile stage.

***Coprosma propinqua* (mingimingi)**

mature height/width – 6m x 2m



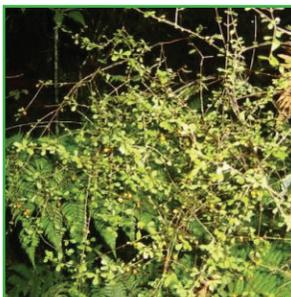
***Coprosma repens* (taupata)**

mature height/width – 6m x 2m



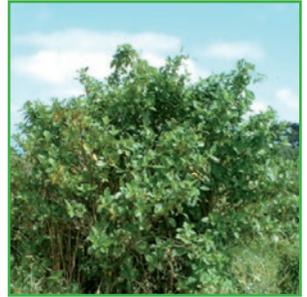
***Coprosma rigida* (rigid mikimiki)**

mature height/width – 3m x 1.5m



***Coprosma robusta* (karamū)**

mature height/width – 4m x 1.5m



***Coprosma tenuicaulis* (hukihuki/swamp coprosma)**

mature height/width – 6m x 2m



***Cordyline australis* (cabbage tree/tī kōuka)**

mature height/width – 10m x 3m



Cyperus ustulatus (giant umbrella sedge /toetoe upokotangata)

mature height/
width – 1m x 1m



Dacrycarpus dacrydioides (kahikatea)

mature height/width – 40-60m x 4m



Dodonea viscosa (akeake)

mature height/width – 6m x 3m



Griselinia littoralis (broadleaf)

mature height/width – 10m x 3m



Hebe stricta (koromiko)

mature height/width – 1.8m x 1m



Hoheria populnea/sexstylosa (lacebark/houhere)

mature height/width – 8m x 3m



Kunzea ericoides (kānuka)/*Leptospermum scoparium* (mānuka)

mature height/width
– 8m x 3m/4m x 1.5m



Kānuka and mānuka look very similar at juvenile stage.

Muehlenbeckia complexa (pōhuehue/wire vine)

mature height/width – 1m x 3m



Myrsine australis (māpou)

mature height/width – 5m x 2m



***Phormium cookianum* (mountain flax)**

mature height/width – 1.5m x 1.5m



***Phormium tenax* (swamp flax/harakeke)**

mature height/width – 2m x 2m



***Phyllocladus trichomanoides* (celery pine/tānekaha)**

mature height/width – 15m x 2m



Pittosporum crassifolium (karo)

mature height/width – 7m x 2m



Pittosporum eugenioides (lemonwood/tarata)

mature height/width – 9m x 4m



Pittosporum tenuifolium (kōhūhū)

mature height/width – 8m x 3m



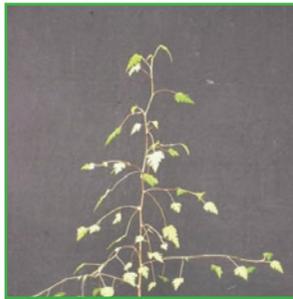
Pittosporum tenuifolium var. *colensoi* (black māpou)

mature height/width – 8m x 3m



Plagianthus regius (ribbonwood/mānatu)

mature height/width – 10m x 3m



Pseudopanax arboreus (five finger /whauwhaupaku)

mature height/width – 8m x 2m



Sophora microphylla (kōwhai)

mature height/width – 8m x 4m





About the native planting programme

Waikato Regional Council's Integrated Catchment Management team works on a large number of projects which involve various levels of native planting.

In 2005, the council decided to contract its native plant requirements to growers who can supply quality bulk plants at a competitive price.

Benefits to landowners of this plant supply in programme are:

- staff are able to work more closely with landowners developing planting plans, and strengthening relationships
- plants are of good quality to increase survival rates and reduce weed infestation
- plants are eco-sourced and therefore more suited to the area in which they are being planted
- pure stock (no hybrids)
- increased plant numbers in the ground
- one-stop-shop
- competitive price.

This results in the overall long term success of planting projects.

All suppliers must meet high standards of plant quality.

Considerations when selecting suppliers include:

- size – with preference given to PB3 (if unavailable, PB2 is used)
- eco-sourcing – the Waikato region is split into separate zones for eco-sourcing and nurseries must grow the required plants within these zones
- minimum plant height of 0.5m
- plant is able to support bag when held by stem
- experience of nursery and ability to supply.

A special thank you to the Taranaki Regional Council and to Wayne Bennett from Forest Flora for providing information and photos for this brochure.

This booklet is designed to help you with plant selection. Not all species are available in all areas and numbers are subject to availability. If you require further information or assistance please contact your local catchment management officer on 0800 800 401.

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