

2008 Native Plantings at Lincoln University Dairy Farm [LUDF]

During 2008, 6000 native plants were established on the LUDF over a range of sites and in different formats. 16 different sites were planted with included:

- Single line shelter belts involving low plants under pivot and taller beyond
- 3 block/node plantings containing between 770-1018 plants in each
- Boundary shelter plantings
- Visitor car park plantings
- Milking shed plantings

A total of 39 different species of various grades were sourced from 5 different nurseries.

All sites were pre-plant sprayed, ripped, cultivated and rolled prior to planting.

Both machine and hand planting was employed to establish the plants in September and October 2008.

Slow release fertilizer was installed at time of planting to promote establishment and early growth.

Combi-guard sleeves, wool mats and stakes were installed to provide wild life protection and ease of maintenance when spray release work is undertaken.

Full weed control has been undertaken with the objective of keeping the sites weed free for the first two season.

A range of irrigation systems have been employed which include dripper, gun and micro sprinklers.

Some of the plantings are irrigated by the pivot or the long line pod irrigators beyond the pivot as part of the normal pasture irrigation.

Mortality during the first season is less than 1%.

Lincoln University has carried out base line surveys of the insects and birds on the farm prior to the native planting going in. Annual surveys will be undertaken to assess the changes as the plantings mature.

Proportional Costs	Total Costs	Materials	Labour
Shelter belts	\$21.34 per plant	62%	38%
Blocks/nodes	\$12.22 per plant	55%	45%

Photographs taken in June 2008 / 2009 / 2011

2008



2009



2011



2008



2009



2011



2008



2009



2011



2008



2009



2011



2009



2011



2009



2011



PLANT SPECIES

Species Name	Common Name	Species Name	Common Name
Anemathele Lessoniana	Windgrass	Cares secta	Pukio / sedge
Carmichaelia australis	NZ broom, makaka	Cassinia vauvillers	Tauhinu
Chionochloa rubra	Red Tussock	Coprosma crassifolia	Thick leaved mikimiki
Coprosma propinqua	Mikimiki	Coprosma propinqua hbrid	Hyrid Coprosma
Coprosma rigida	Mikimiki	Coprosma robusta	Karamu
Coprosma rubra	Mikimiki	Coprosma virescens	Mikimiki
Coprosma wallii	Mikimiki	Cordyline australis	Ti kouka / Cabbage tree
Cortaderia richardii	Toetoe	Dodonea viscosa	Akeake
Griselinia littoralis	Broadleaf	Hebe salicifolia	Koromiko
Hoheria augustifolia	Narrowleaved hourhere	Isolepis nodosa	Oiooi / Jointed rush
Kunzea ericoides	Kanuka	Libertia ixiodes	Mikoikoi
Muehlenbeckia astonii	Rare shrub pohuehue	Muehlenbeckia complexa	Shrub pohuehue
Myrsine divaricata	Weeping mapou	Olearia Fragrantissima	Fragrant olearia
Olearia paniculata	Golden akeake	Phormium tenax	Harakeke / Flax
Phormium cookianum	Mountain Flax	Pittosporum eugenioides	Tarata / Lemonwood
Pittosporum tenuifolium	Kohuhu / Matipo	Plagianthus Regius	Manatu / Ribbonwood
Plagianthus divaricatus	Saitmarsh Ribbonwood	Podocarpus totara	Totara
Pseudopanax arboreus	Five finger	Pseudopanax crassifolius	Lancewood / horoeka
Pseudopanax ferox	Fierce Lancewood	Sophora microphylla	Kowhai
Teucrium parvifolium	NZ Shrub verbena		