**Central Canterbury Farm Forestry-**

**Cypress – Demonstration and Comparison – Planted on 22nd Sep 2009**

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| Stapehill single row, 4 m fr plot 1. | Natives (uphill, towards Mountains) | | | | | Enter here | | **Leaches Rd** |
| One row 1.4 m spacing *Cupressocyparis leylandii* cv. Stapehill (drought resistant clone) | | | | | One row canker resistant Lawson Cypress *C. ovensii* | Large deciduous trees |
| Plot 1  NZR (Roadside selection) | 2  Dean Satchell, lusitanica x torulosa | 3  Silverwood Selection | 4  Hamish Sturrock No 2. | Plot 5  Dennis Hocking, Canker Resistant |
| One row of Himalayan / Bhutan Cypress *(C. torulosa)*  (then some Dean Satchell / P. Milne selection of macrocarpa)  (Downhill, towards Hororata). | | | | |

Each plot has 5 x 5 = 25 trees - 3 m between rows and 3 m between plants. There is an extra 1 m between plots- instead of 3 m between trees, there is a gap of 4 m.

Data collection- if individual trees are assessed – here is the method. A plot is defined by the code used above so trees in Plot NZR would be known as-

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| --- | --- | --- | --- | --- |
| NZR 1 | NZR 2 | NZR 3 | NZR 4 | NZR 5 |
| NZR 6 | NZR 7 | NZR 8 | NZR 9 | NZR 10 |
| NZR 11 | NZR 12 | NZR 13 | NZR 14 | NZR 15 |
| NZR 16 | NZR 17 | NZR 18 | NZR 19 | NZR 20 |
| NZR 21 | NZR 22 | NZR 23 | NZR 24 | NZR 25 |

Lines were ripped at right angles to Leaches Rd on 22nd Sep and then rolled with the tractor wheels. Planting was done immediately into grazed winter kale stubble, with some grass growth, particularly towards the natives end of the trial.

Spray applied on Sep 29th 2009- Galant and Gardoprim at recommended rates, to provide each tree with approx 4m2 of weed-free area.

Some trees in other areas, planted in Winter 2009 into old lucerne need spraying to protect the trees from moisture competition from lucerne.

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| 14/4/2010 | Some minor form pruning of trees in plots 1-5, with Dean Satchell and Mike Davies, Dave Askin.  Amazing growth.  Noted that seedlings have sturdy upright form, clones/cuttings bending with the wind in ways that look challenging for production of good quality logs.  Some trees about 1 m tall.  Plot ‘6’ guard area- trees there very yellow and not healthy looking.  Weed control on plots 1-5 has been very good, some roundup used post plant.  Late summer roundup not particularly effective as all plants very dry.  The whole area is severely drought stressed- a very dry autumn this year. |