

21 June 2013

Field test GMF100001 - Annual Report to the Environmental Protection Authority (EPA)

This report relates to control 13 for the field test approval GMF100001 (ERMA200479), approved 14 December 2010. The report covers the period 1 June 2012 to 31 May 2013. This is the second annual report for the approval.

Note that there are currently no genetically modified trees or cuttings planted on the field site under the field test approvals GMF99001 or GMF99005.

Purpose of field test

To field test in containment *Pinus radiata* with genetic modifications to alter plant growth/biomass acquisition, reproductive development, herbicide tolerance, biomass utilisation, wood density and wood dimensional stability.

Field testing activities carried out

The trial to study reproductive development was removed from the field test site on 25 October 2012. Tree stumps were removed from the ground and stacked to compost.

On 14 November 2012, 34 trees in growing bags with genetic modifications to alter herbicide tolerance were transferred to the field test site for spraying with herbicide. On 15 November 2012, the trees were sprayed with either 0.5, 1 or 2 kg/ha of Buster (active ingredient Glufosinate-ammonium). The trees were removed from the field test after the spraying was completed and re-housed in a glasshouse.

Some of the trees from the herbicide tolerance trial, that was vandalised in April 2012, had regrown and were used for a spraying trial. On 15 November 2012, the trees were sprayed with 0.5 kg/ha of Buster (active ingredient Glufosinate-ammonium). On 23 January 2013, the trees were sprayed with 1 kg/ha of Buster, and on 22 February 2013, the trees were sprayed with 2.0 kg/ha of Buster.

On 28 and 29 May 2013, 190 trees with genetic modifications to alter plant herbicide tolerance were transferred to the field test site.

Unforeseen adverse effects and incidents that have occurred

Unforeseen adverse effects

No unforeseen adverse effects to report.

Incidents

No incidents to report.

Activities relevant to engagement with Maori

No activities to report.

Results of the field test research which have been disseminated to third parties
No results yet to report.

Environmental impact research
No results yet to report.