

27 June 2014

## **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 2013 to 31 May 2014. This is the third 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**

On 18 July 2013, 190 trees with genetic modifications to alter plant herbicide tolerance were planted in the field test site. On 17 December 2013, the trees were sprayed with 2 kg/ha of Buster (active ingredient Glufosinate-ammonium).

On 4 October 2013, 103 trees with genetic modifications to enhance plant growth were transferred to the field test site. These trees were planted on 11 October 2013.

The remaining trees and stumps from the herbicide tolerance trial that was vandalised in April 2012, were removed from the field test site on 9 April 2014. Trees were removed from the ground and stacked to compost.

### **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**

On 11 October 2013, the Scion kaumatua inspected and blessed the genetically modified trees prior to their planting in the field test site.

### **Results of the field test research which have been disseminated to third parties**

No results yet to report.

### **Environmental impact research**

We are currently investigating the impact of a modification in lignin composition on insects.