

## **Phytophthora Bio-control Evaluation Protocol**

Unite is a registered Trichodema Bio-Fungicide developed by Agrimm Technologies Ltd. It has shown activity against a range of damping off and root diseases such as Pythium, Rhizoctonia, Cyindrocarpon and Phytophthora.

This protocol is designed to evaluate the symptoms of Phytophthora in mature trees using at least 3 applications of Unite at key times through the growing season.

### **Application**

1. Apply Unite to the selected trees in early October.
  - a. Use 3g per tree and 0.5L per m<sup>2</sup> of canopy to wash Unite into the roots.
2. Apply Unite in advance of expected root flushes.
  - a. Two major periods – Oct/Nov and Feb/Mar
  - b. Three applications of Unite: October; December and February.

### **Design**

1. Select an area that is known to be affected by Phytophthora. This should contain at least 40 trees and can contain both treated and control areas.
2. Soil Data including Copper levels collected prior to any application.
3. Include the same number of trees in both control and treated areas.
4. Mark trees clearly and record each tree symptoms as per the Ciba-Geigy scale.
5. Accurate records should be kept detailing dates of and method of application throughout the duration of the season.
6. Tree health evaluation can be taken every 2 months through the season.