

## FORMULA



## Application Methods

### Introduction

Formula 4 is sold as a powder. It should be mixed to a liquid in accordance with the herbicide mixing instructions, before being applied in the field. F4 should not be applied in the field in powder form.

The resulting mixture will have a red colour, and a viscosity similar to transmission or brake fluid. After about an hour, the mixture will begin to settle out. It is important to shake the mixture every hour or so when applying in the field, to prevent it from settling out too much. A number of application techniques have been developed for F4, depending on the type of country you are working in, the level of infestation you have, and other logistic issues.

If applied correctly, results similar to those in the picture below should appear within 3-6 months of application.



### 1. Hand-held drench gun

Any commercially-available drench gun can be used to apply F4. Some cattle-drench guns have a variable-dosage dial on them, which is ideal for providing the required dose of F4 to the pine tree. One problem with the use of these drench guns is where there are a lot of trees to treat.



Constant use of the drench gun can cause excessive tiredness of the fingers and wrist. These devices can be difficult to use for a prolonged period of more than 2 hours.

### 2. Electronic Drench Gun

The electronic drench gun has all the advantages of the hand-held drench gun, and can be used for prolonged periods because only a touch of the trigger is needed to provide the required dosage. The electronic gun is able to be calibrated and set to any dosage between 20 and 80 mls. A battery is provided, along with a carry-pack which holds 5 litres.



The battery will last a full day of continuous use, but must be re-charged every day (overnight).



For more information on the electronic drench gun please contact:  
The Gallagher Group, Private Bag 3026,  
Hamilton. Ph (07) 838-9800, or email:  
sales@gallagher.co.nz

### 3. Applicator bottles

These bottles come in either 1 litre or 500 ml sizes. They have an attached measuring chamber which accurately provides the required dose of F4, which is then applied to the tree. You can fill the bottles prior to going out in the field. Bottles can be re-filled as often as necessary. Simply squeeze the bottle until the required dose is in the measuring chamber, then unscrew the cap and pour the liquid onto the base of the pine tree. These bottles are particularly useful in

scrubby or difficult country, where a minimum of equipment (such as hoses and drench guns) is desired.



Simply fill a day-pack with 10 or more bottles, and apply the F4 to the pine trees as you go. In addition, these bottles are ideal to carry in your vehicle, or with other equipment when in the back-country, in case wilding pine s are found while on other work. They are especially convenient to carry when mustering. Bottles are available from Wilding Pine Control Ltd at a cost of \$3.00 each for the 500 ml bottle, and \$4.00 each for the 1 litre bottle.

### 4. Aerial Application

Formula 4 can be applied directly from a helicopter onto wilding pine trees. This is done through a skid-mounted applicator, which provides the required dosage to the tree while the helicopter is hovering. This method is especially useful in remote areas with difficult access, or in areas where it is too dangerous for people to enter. Large areas of countryside can be easily accessed by helicopter, and spot-application of F4 by helicopter does not take very long. A number of approved helicopter operators are available to apply F4 to your property. Please contact us for further information on approved helicopter operators available in your area.