

# Marshal<sup>®</sup> Soil Insecticide SuSCon<sup>®</sup> CR Sachets

Contains 10% w/w carbosulfan

Controls large pine weevil (*Hylobius abietis*) in forestry using controlled release technology

Marshal/suSCon sachets is a controlled release granular insecticide with foliar and root activity for use in controlling large pine weevil in forestry during the two year establishment phase after planting out.

Marshal/suSCon sachets are packaged in water-soluble sachets designed to break down after application delivering a pre-measured dose of granules in to the root zone.

## STATUTORY CONDITIONS RELATING TO USE FOR USE ONLY AS A FORESTRY INSECTICIDE

<b>Crop/Situation:</b>	<b>Forest</b>
<b>Application timing:</b>	<b>at the time of planting</b>
<b>Maximum dose:</b>	<b>one sachet per tree (10g)</b>
<b>Maximum treatments:</b>	<b>one per tree</b>

Carbosulfan is an anticholinesterase carbamate compound. DO NOT USE if under medical advice NOT to work with such compounds

Engineering control of operator exposure must be used where reasonably practicable in addition to the following protective equipment

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES** when applying the sachets or when dealing with spillages  
However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

**DANGEROUS TO FISH OR OTHER AQUATIC LIFE.** Do not contaminate surface waters or ditches with chemical or used container

**DANGEROUS TO GAME, WILD BIRDS OR ANIMALS.** Bury or remove spillages

READ ALL PRECAUTIONS BEFORE USE

MAPP 11754

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

10 kg. Net

Approval Holder  
FMC Chemical s.p.r.l.

Marketing Company  
Fargro Limited  
Toddington Land  
Littlehampton  
West Sussex  
BN17 7PP  
Tel: 01903 721591

## **PRECAUTIONS**

Carbosulfan is an anticholinesterase carbamate compound. DO NOT USE if under medical advice NOT to work with such compounds.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling and applying the sachets and when dealing with spillages

DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container

DANGEROUS TO GAME, WILD BIRDS OR ANIMALS. Bury or remove spillages

WASH ALL PROTECTIVE CLOTHING thoroughly after use

TAKE OFF IMMEDIATELY all contaminated clothing

WHEN USING DO NOT EAT DRINK TO SMOKE

IN CASE OF CONTACT WITH SKIN, WASH IMMEDIATELY with plenty of water

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY with plenty of water

AVOID ALL CONTACT BY MOUTH

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work

KEEP OUT OF REACH OF CHILDREN

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place

PROTECT SACHETS FROM RAIN OR WATER

## **SYMPTOMS OF POISONING**

These may include excessive sweating, headache, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision and muscle twitching.

## **FIRST AID**

If any of the above symptoms particularly if there is known contamination: STOP WORK.

Remove contaminated clothing

Wash exposed skin and hair

Prevent exertion

Call Doctor AT ONCE, show him the label

## **GUIDE TO DOCTOR**

This product contains an anticholinesterase carbamate compound

Specific treatment

IN CALL CASES AND AS EARLY AS POSSIBLE inject atropine sulphate 2mg pro rata for children and repeat if necessary until fully atropinised

DO NOT use pralidoxine

Other measures

Keep airways clear

Watch respiration – intubation with endotracheal tube or tracheotomy may be necessary in conjunction with artificial ventilation.

Put patient at complete rest in hospital for 24 hours at least

Further advice:

Fargro Limited  
Toddington Lane  
Littlehampton  
West Sussex  
BN17 7PP  
Tel 01903 21591

National Poisons Information Service  
New Cross Hospital  
London  
SE14 5ER  
Tel: 0207 771 5315

## **DIRECTIONS FOR USE**

### **PESTS CONTROLLED**

Large pine weevil (*Hylobius abietis*)

### **METHOD AND RATE OF USE**

During field planting of trees

Rate: One 10 gm sachet per tree

### **Method**

Place sachet in to the planting hole by hand before placement of the tree to ensure that when the hole is filled the granules will be in the active root zone of the developing tree. Do not open the sachet and mix the granules with the soil around the transplanted roots.

### **Critical comments**

The water-soluble sachet is made from a material which takes several days to break down after exposure to moist soil releasing the granules around the roots. The sachet will not break down after brief exposure to rain, however all care should be taken to protect the sachet from water before and during the planting operation. Sachets should be carried in a water-proof bag at all times prior to use.

Depending on field conditions and tree growth it can take 10 – 15 days for the trees to absorb sufficient active ingredient to ensure full protection. To guard against weevil attacks during this period, an additional pre-planting treatment dip or spray with an approved insecticide is advisable. Post-planting sprays during the two-year establishment should not be necessary.

### **CROP SAFETY**

Marshal/suSCon has been shown to be safe to Douglas Fir (*Pseudotsuga menziesii*) and Sitka Spruce (*Picea sitchensis*). Other conifer species may vary in their sensitivity to Marshal/suSCon and therefore safety cannot be assumed.

Marshal/suSCon is formulated in Australia by Crop Care Australasia Pty Ltd using Marshall soil insecticide provided by FMC Corporation.

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