

# MAINMAN<sup>®</sup>

Version and date: Version 2 - Autumn 2007

Changes since last version: Updated to incorporate new PSD labelling guidelines



This label is compliant with the Voluntary Initiative Guidance

**FORMULATION AND ACTIVE INGREDIENT:** Water dispersible granule (WG) containing 500g/kg flonicamid. An aphicide for the control of aphids in Apples and Pears.

**PACK SIZE:** 560 Grams



**MAPP No.** 13123

<b>IMPORTANT INFORMATION</b>			
<b>FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE</b>			
<b>Crops</b>	<b>Maximum individual dose:</b>	<b>Maximum number of treatments:</b>	<b>Latest time of application; Pre Harvest Interval:</b>
<b>Apples and Pears</b>	<b>0.14 Kg/ha</b>	<b>3</b>	<b>21 days</b>

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

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

## **MAINMAN®**

Water dispersible granule (WG) containing 500 g/Kg flonicamid.

**R52 – Harmful to aquatic organisms.**

**R53 – May cause long term adverse effects in the aquatic environment.**

S60 – This material and its container must be disposed of as hazardous waste.

S61 – Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

To avoid risks to man and the environment, comply with instructions for use.

### **SAFETY PRECAUTIONS:**

#### **Operator protection**

- ENGINEERING CONTROL OF OPERATOR EXPOSURE must be used where reasonably practicable in addition to the following personal protective equipment.
- WEAR SUITABLE PROTECTIVE GLOVES when handling the contaminated surfaces and when applying with hand-held equipment.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying with broadcast air assisted application equipment.
- During handling of the concentrated product as well as with the spray solution, wear standard protection clothing (especially rubber boots, gloves and eye protection).
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
- WHEN USING, DO NOT EAT, DRINK OR SMOKE.
- Avoid any unnecessary contact with the product.
- Misuse can have adverse effects on health.

#### **Environmental Protection**

- DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.
- Avoid release into the environment. Refer to special instruction/ Safety Data Sheets.
- Avoid producing drift during application.
- Make sure that product or spray solution cannot contaminate natural surface water.

#### **Storage and Disposal**

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING-STUFFS.
- Store away from food and feeds.
- Store in a cool, dry place.

## **MEDICAL ADVICE**

### **Symptoms of poisoning**

None specific

### **First aid treatment**

STOP WORK

Remove contaminated clothing. Wash exposed skin and hair.

Prevent all exertion.

Call doctor and show this label.

Following an oral exposure, do not induce vomiting or give anything by mouth to an unconscious person. Consult a doctor/medical service.

Following a dermal exposure the skin should be washed with copious amounts of tap water and soap. Contaminated clothing and footwear should be removed. Consult a doctor/medical service.

Following inhalation exposure, leave the contaminated area immediately and move to fresh air. Consult a doctor/medical service.

Following ocular exposure, remove any contact lens at once. Eyes should be irrigated with copious amounts of water for at least 15 minutes. Irrigation should not be delayed for the purpose of obtaining sterile or special irrigating solutions. If pain or swelling persists, the individual should submit to an ophthalmologic examination. Consult a doctor/medical advice.

### **Guide to doctor**

Initial Measures: symptomatic treatment.

### **Resistance Management Strategy:**

Apple and Pear: Do not apply more than 3 sprays of MAINMAN per crop

In a programme of insecticides use a maximum of 2 consecutive applications of MAINMAN. If further treatments are required, use at least one application of an insecticide having a different mode of action to MAINMAN before applying further MAINMAN.

Strains of some aphid species are resistant to many aphicides. Where aphids resistant to products containing flonicamid occur, MAINMAN is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

MAINMAN is a feeding inhibitor.

Do not make repeat applications of any aphicide if it does not work at full rate and if the product has been applied correctly.

### **IMPORTANT**

- DO NOT ALLOW THE PRODUCT TO STAND OVERNIGHT
- Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other purposes and on other crops.
- Spraying equipment should be calibrated prior to use to ensure accurate application.

### **Unintended effects:**

Evidence suggests that Mainman has limited initial effects on populations of the beneficial mites *Typhlodromus pyri*, and any effect is short lived.

## **DIRECTION OF USE**

**Important: this information is approved as part of the product label. All instructions within this section must be read carefully in order to obtain safe and successful use of the product.**

**MAINMAN** is a selective aphicide with activity against major aphid species on Apples and pears.

### **Application**

#### **IMPORTANT – Product measurement**

As Mainman is applied at a very low dose rate, it is important to accurately weigh the required amount of product for each spray operation in order to ensure application of the correct dose.

#### **APPLES and PEARS:**

##### Aphids controlled:

Apple: control of *Dysaphis plantaginea* and *Aphis pomi*;

Pear: control of *Dysaphis pyri*.

Target the first application against aphids, when warning systems forecast significant aphid infestations (generally early spring on new developing leaves) and when aphids are present at the end of egg hatch, in Apples this is usually around green cluster to pink bud. In pears this is usually from green cluster to petal fall. Later application may be required. Ensure good cover of foliage for effective control.

Rate: The application rate of MAINMAN is **0.14 Kg/ha**.

Water volume: Water volumes of 200 to 1000L/ha (1500 l/ha in exceptional cases); are recommended for use of MAINMAN against aphids (water volume is depending on size of trees, development stage of trees and spraying equipment used).

Spray schedule: The persistence of action is up to **21** days and the maximum number of applications is 3 for apple and pear per year.

Pre-harvest interval: The last spray should not be applied later than **21 days before harvest**.

#### **Preparation and application of the spray solution:**

Fill a minimum 50% of the required water into the spraying tank, and agitate when adding the required amount of MAINMAN. Finally add the rest of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required. Double rinse empty product container and add the remaining diluted product to the spray solution.

When MAINMAN is applied using broadcast air assisted orchard sprayers appropriate measures to avoid drift (follow appropriate wind speed guidelines) onto non target crops or watercourses should be taken.

#### **Storage:**

Reduce or avoid exposure and/or contact with the product. Keep container tightly closed

Store unused product in tightly closed, original container in a cool dry area, preferably in a locked storage area. Store in such a manner as to prevent cross contamination. Keep away from food, drink and animal feed stuffs, or any other material intended for consumption or use by humans or other animals. Do not store near a heat source or open flame.

Keep dry and frost proof in a suitable pesticide store between 0 and 32°C.

#### **APPLICATION EQUIPMENT CLEANING PROCEDURE:**

Ensure that no or only a minimal quantity of product remains in the spraying tank after field application. Upon completion dilute the remainder of the spray solution with the tank cleaning water; do not spray these on the treated fields. Any spillage should be collected and disposed of in appropriate chemical waste. In no way should contamination of waterways or surface water be allowed to occur.

Thoroughly wash out all remaining equipment after use. For disposal of washings, follow the Code of Safe Practice for the Safe Usage of Pesticides on Farms and Holdings.

**WARRANTY**

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or the storage of the product, if this use/and/or handling and/or storage are carried out contrary to the instructions on the label.

**DAMAGES**

Buyer's or user's exclusive remedy for damages, breach of warranty, or negligence, shall be limited to the direct damage, and shall not exceed the purchase price of the product, and shall not include any incidental or consequential damages.

TECHNICAL ENQUIRIES:	01480 403333
24 HOUR EMERGENCY NUMBER:	0032 1458 4545
<b>Always read the label. Use pesticides safely.</b>	
<b>BELCHIM Crop Protection Limited 1b Fenice Court, Phoenix Park, Eaton Socon, St. Neots, Cambridgeshire PE19 8EP</b>	
<b>Tel : 01480 403333</b>	<b>Fax : 01480 403444</b>

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