



**DOVE**  
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## **Aphid control on ornamental plants**

The main species of aphid that attack protected crops include

- |                            |   |
|----------------------------|---|
| ▪ MYZUS PERISCAE           | on mainly chrysanthemums and Solanaceae |
| ▪ APHIS GOSSYPHII          | on mainly chrysanthemums and cucumbers  |
| ▪ MACROSIPHUM EUPHORBIAE   | on mainly Solanaceae                    |
| ▪ AULACORTHUM CIRCUMFLEXUM | on mainly ornamentals                   |
| ▪ AULACORTHUM SOLANI       | on mainly Solanaceae                    |

Other species can be found from time to time on glasshouse crops.

Aphids all feed by inserting their stylets into the conducting vessels of the plant. Plants can be damaged in four ways

1. Reduced plant vigour
2. Distorted growth
3. Spread of virus diseases
4. Excretion of excess sugars which result in the growth of black sooty moulds on leaves etc., thereby affecting quality and reducing photosynthesis.

### **LIFE CYCLE OF APHIDS**

On greenhouse crops, aphids multiply continuously throughout the year. Young feed as soon as they are born. After moulting several times they mature and begin to reproduce; from birth to reproduction takes less than a week in the summer. When the population becomes dense, winged forms are produced which fly to new feeding sites. Some aphid species have different plant hosts in the winter.

Avoid using products as successive treatments with the same FRAC codes e.g. Biscaya\* or Calypso\*. Repeated use of pesticides with the same mode of action increases the risk of resistance.

**Use plant protection products safely. Always read the label and product information before use**

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| PRODUCT NAME         | ACTIVE INGREDIENT(S)      | IRAC CODE | IPM COMPATIBLE? | FIELD/ PROTECTED USE | ERADICANT/ PROTECTANT ACTION |
|----------------------|---------------------------|-----------|-----------------|----------------------|------------------------------|
| Actara*              | thiamethoxam              | 4A        | H               | P                    | E/P                          |
| Biscaya*             | thiacloprid               | 4A        | MH              | F                    | E/P                          |
| Calypso*             | thiacloprid               | 4A        | MH              | F/P                  | E/P                          |
| Chess WG*            | pymetrozine               | 9B        | MS              | F/P                  | E/P                          |
| Couraze              | imidacloprid              | 4A        | MH              | P                    | E/P                          |
| Decis*               | deltamethrin              | 3         | VH              | F/P                  | E                            |
| Decis Protech*       | deltamethrin              | 3         | VH              | F/P                  | E                            |
| Eradicoat            | physical pest control     | -         | H               | F/P                  | E                            |
| Exemptor             | thiacloprid               | 4A        | MH              | F/P                  | E/P                          |
| Gazelle SG           | acetamiprid               | 4A        | H               | F/P                  | E/P                          |
| Hallmark WZT*        | lambda-cyhalothrin        | 3         | VH              | F/P                  | E                            |
| Imidasect 5GR        | imidacloprid              | 4A        | MH              | P                    | E/P                          |
| Mainman*             | flonicamid                | 9C        | MS              | F/P                  | E/P                          |
| Movento*             | spirotetramat             | 23        | MS              | F/P                  | E/P                          |
| Majestik             | natural plant extracts    | -         | H               | F/P                  | E                            |
| Naturalis-L          | <i>Beauvaria bassiana</i> | -         | S               | P                    | E                            |
| Nemathorin 10G*      | fosthiazate               | 1B        | H               | F                    | E/P                          |
| Pyrethrum 5EC        | pyrethrins                | 3         | H               | F/P                  | E                            |
| SB Plant Invigorator | physical pest control     | -         | H               | F/P                  | E                            |
| Spruzit              | pyrethrins                | 3         | H               | F/P                  | E                            |
| Sumi-Alpha           | esfenvalerate             | 3         | H               | F/P                  | E                            |
| Toppel 100           | cypermethrin              | 3         | VH              | F/P                  | E                            |

**Key**

\* = Extension of Authorisation for Minor Use (EAMU) required

H = harmful

VH = very harmful

MH = moderately harmful

MS = moderately safe      S = safe

Products containing imidacloprid and thiamethoxam are subject to EU and CRD restrictions – check newly issued product labels and any relevant EAMUs for further information

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