



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 Solonacae |
| ▪ APHIS GOSSYPII | on mainly chrysanthemums and cucumbers |
| ▪ MACROSIPHUM EUPHORBIAE | on mainly Solanacae |
| ▪ AULACORTHUM CIRCUMFLEXUM | on mainly ornamentals |
| ▪ AULACORTHUM SOLANI | on mainly Solanacae |

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. Actara, Biscaya, Calypso, Intercept 70WG. Repeated use of pesticides with the same mode of action increases the risk of resistance.

* = Extension of Authorisation (EoA) required for use in ornamental plant production. Go to www.pesticides.gov.uk to download the information or contact the office for copies.

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	F	E/P
Aphox	pirimicarb	1A	MS	F/P	E/P
BASF Dimethoate 40	dimethoate	1B	VH	F/P	E/P
Biscaya*	thiacloprid	4A	MH	F	E/P
Calypso*	thiacloprid	4A	MH	F/P	E/P
Certis Spraying Oil	petroleum oil	-	H	F/P	E
Chess WG*	pymetrozine	9B	MS	F/P	E/P
Couraze	imidacloprid	4A	MH	F/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	acetamiprid	4A	H	F/P	E/P
Hallmark WZT*	lambda-cyhalothrin	3	VH	F/P	E
Imidasect 5GR	imidacloprid	4A	MH	F/P	E/P
Intercept 70WG	imidacloprid	4A	H	F/P	E/P
Mainman*	flonicamid	9C	MS	F	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
Savona	fatty acids	-	MH	F/P	E
SB Plant Invigorator	physical pest control	-	H	F/P	E
Spruzit	pyrethrins	3	VH	F/P	E
Sumi-Alpha	esfenvalerate	3	H	F/P	E
Teppeki*	flonicamid	9C	MS	F	E/P
Toppel 100EC	cypermethrin	3	VH	F/P	E

Key

* = EoA required

H = harmful

MH = moderately harmful

MS = moderately safe

S = safe

VH = very harmful

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