

Fungicides for Home Gardeners

RHS Gardening Advice
March 2018



Sharing the best in Gardening

Inclusion of a fungicide product in this leaflet does not indicate a recommendation or endorsement by the RHS. This is a list of products available to the home gardener.



Introduction

Some diseases can be controlled by several different fungicides. The effectiveness of some fungicides may depend on the environmental conditions, so gardeners may need to try more than one to find those that give the best control of the diseases which affect their plants. Regular use of certain fungicides may lead to the build-up of strains of fungi which are tolerant to them so that they will cease to be effective. It is important not to make more than the recommended number of applications of a particular active ingredient in any one year.

All garden chemicals on sale in the United Kingdom are safe when used according to the manufacturers' instructions. Every proprietary product has been issued with a DEFRA or MAPP (Ministerially Approved Pesticide Products) number found on the pack.

For the most effective and safe use of fungicides, rules should be observed:

1. Use chemicals only when they are really necessary. Prevention is invariably better than cure and many diseases can be kept down by cultivation techniques such as rotation of crops, destruction of crop residues, thorough digging, drainage of heavy soils and good tool hygiene.
2. You must select a chemical which is recommended for the particular purpose you have in mind. It is good practise to check the label before choosing a product.
3. Always read the manufacturers' label and check for any limitations or specific precautions you should take. As an added precaution you could wear rubber gloves, particularly when handling the concentrate or when spraying.
4. Follow all the instructions on the manufacturer's label and apply the chemical at the stated rate and in the manner described. It is a legal requirement to comply with the Statutory Conditions indicated on the label.
5. Make sure that you are spraying at the correct times and intervals, as this is often crucial for the control of a disease.
6. It is illegal to mix two chemicals together to give a combined spray unless this is recommended on the label or leaflet. **Note:** where a proprietary product contains an insecticide as well as a fungicide it would be preferable to use an alternative product if pests have not been a problem on the plants treated.
7. Avoid contact with exposed parts of the body, particularly the eyes. Wash off any splashes immediately with clean water.
8. Avoid breathing in dusts or sprays. Wash after using sprays or dusts.
9. Make sure no children or animals are in the vicinity when spraying.
10. Do not smoke, eat or drink while spraying.
11. Spray efficiently to wet the plants without excessive run-off or drift, but thoroughly wet the stems, buds and the underside as well as the upper surface of the leaves.
12. Do not spray or dust in windy, completely calm or hot sunny weather. Spray in the early morning or late afternoon or evening.
13. Do not spray plants which may be injured by the chemical or allow spray to drift on to them. Because of the large numbers of species and varieties of ornamental plants grown in gardens, sensitivity to products

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should always be checked on a small area or number of plants in the first instance.

14. Clean all equipment after spraying. DO NOT apply fungicides with apparatus that has been used for weed killers.
15. Always try to make up only sufficient solution for the task. Left-over spray must not be poured down the drain
16. Store chemicals in a cool, dry, frost-free, safe place away from children and pets, keeping them tightly closed and in their original containers.

Choosing fungicides available to home gardeners

The following list has been drawn up to aid members of the Society in choosing fungicides. Most of the fungicides available to home gardeners are ideal garden chemicals in that they are cheap, effective and safe to use when applied as directed on the label.

However, always take note of any usage limitations given for the fungicides in this list.

Proprietary products sold for the control of plant diseases are listed under the common chemical names of their active ingredients in alphabetical order. All manufacturers are obliged by law to print the name of the active ingredient on the label, but this may appear in very small print.

Please note that inclusion does not indicate a recommendation by the RHS for the uses specified on the product. It must also be emphasised that the RHS is not liable in any way for any consequences which may ensue from the use of fungicides by home gardeners.

Some fungicide products listed in this leaflet under their manufacturers' names may be available from retail outlets as "own brand" products with the retailers' own labelling. It is not practical to list all of these. Check the label of the crop protection product carefully to confirm the active ingredient.

Products available to home gardeners

1. Myclobutanil

Systemic fungicide to control rust, black spot and powdery mildew on roses; rust and powdery mildew on ornamentals.



Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Myclobutanil and cypermethrin*	Multirose² Bug Killer and Disease Control	SBM Life Science Ltd	ready-to-use spray
Myclobutanil and cypermethrin*	Resolva Rose 3 in 1	Westland Horticulture Ltd	ready-to-use spray
Myclobutanil and cypermethrin*	Rose Shield Bug & Fungus Killer	Doff Portland Ltd	ready-to-use spray
Myclobutanil and cypermethrin*	Rosegarde	Vitax	ready-to-use spray

* with cypermethrin for insect control. Only for use on ornamental plants.

2. Protective seals on pruning wounds

Used to form a protective seal, with no curative action, on trees and shrubs after pruning or wounding.

Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Octane acid (iron and sodium salts)	Growing Success Prune and Seal	Westland Horticulture Ltd	ready-to-use liquid
Natural resin	Solabiol Arbrex Seal and Heal	SBM Life Science Ltd	ready-to-use

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Natural resin	Medo	Vitax Ltd	ready-to-use
Natural resin	Prune and Seal	Neudorff UK Ltd	ready-to-use

3. Compounds with a physical mode of action

Products containing a blend of surfactants and nutrients to control some pests and disease by a sticking and washing process. They can be used on all edible and ornamental plants and there is no harvest interval. May be used against powdery mildew and a range of pests including, whitefly, aphid, spider mite, mealy bugs, scale and psyllids.

Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Physical mode	SB Plant Invigorator	Stan Brouard Ltd	liquid concentrate
Physical mode	Resolva Natural Power Bug and Mildew	Westland Horticulture Ltd	ready-to-use spray
Physical mode	Rose Defender RTU	Ecofective	ready-to-use spray
Physical mode	Rose Defender Concentrate	Ecofective	liquid concentrate
Physical mode	Houseplant Defender	Ecofective	ready-to-use
Physical mode	Bug & Mildew Control	Ecofective	ready-to-use

4. Tar acids and oils

Tar acids and tar oils are derivatives of coal tar. Formulations are available as liquids or pastes for disinfecting tools or surfaces.

Limitations: Should be kept off the skin and away from eyes, food and food containers. Hazardous to fish. Protective gloves, for example neoprene (not natural rubber) and goggles should be worn when handling the concentrated disinfectants.



Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Tar acids and oils	Jeyes Fluid	Jeyes UK	liquid concentrate
Tar acids and oils	Jeyes Fluid	Jeyes UK	ready-to-use spray

Please note: these products are no longer labelled for pesticide use, but are available for the disinfection of greenhouse structures, seed trays and pots.

5. Tebuconazole

Tebuconazole is a systemic fungicide to control blackspot, box blight (Fungus Fighter Concentrate), powdery mildew and rust on roses and other ornamental plants. Tebuconazole and Trifloxystrobin (also a systemic fungicide) are combined in 'Fungus Fighter Plus' to control diseases on roses and other ornamental plants including blackspot, powdery mildew, rust and leaf spots, box blight and white rust. Fungus Fighter Plus also controls powdery mildew on glasshouse crops of cucumber, courgette and summer squash.

Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Tebuconazole and deltamethrin*	Multirose Concentrate²	SBM Life Science Ltd	liquid concentrate

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Tebuconazole	Fungus Fighter Concentrate	SBM Life Science Ltd	liquid concentrate
Tebuconazole and Trifloxystrobin	Fungus Fighter Plus	SBM Life Science Ltd	ready-to-use spray
Tebuconazole and Trifloxystrobin	Toprose Fungus Control & Protect	SBM Life Science Ltd	ready-to-use spray

* with deltamethrin to control insect pests.

6. Trifloxystrobin

Protects lawn against lawn diseases such as *Fusarium* patch and red thread.

Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Trifloxystrobin	Lawn Disease Control	SBM Life Science Ltd	soluble powder

7. Triticonazole

Systemic fungicide to control blackspot, powdery mildew and rust on roses and ornamental plants.



Active Ingredient	Proprietary Name	Manufacturer/Source of Supply	Formulation
Triticonazole	Fungus Clear Ultra	Scotts Company (UK) Ltd	liquid concentrate
Triticonazole	Fungus Clear Ultra Gun	Scotts Company (UK) Ltd	ready-to-use spray
Triticonazole and acetamiprid*	Roseclear Ultra	Scotts Company (UK) Ltd	liquid concentrate
Triticonazole and acetamiprid*	Roseclear Ultra Gun	Scotts Company (UK) Ltd	ready-to-use spray

* with acetamiprid to control insect pests.

ALWAYS READ THE LABEL USE PESTICIDES SAFELY



Manufacturers/Distributors

Company Name	Address	Telephone	Website
Bayer	See SBM Life Science Ltd		
Doff Portland Ltd	Aerial Way, Watnall Road, Hucknall, Nottingham NG15 6DW	(0115) 963 2842	www.doff.co.uk
Ecofective	4 Archway House, Melbourn Street, Royston, Hertfordshire, SG8 7BX	(01763) 212103	www.ecofective.uk.com
Jeyes Groups Ltd	Tennyson House, Brunel Way, Thetford, Norfolk IP24 1HF	(01842) 757575	www.jeyes.com
Neudorff UK	Vienna House, Birmingham, International Park, Solihul, B37 7GN	(0121) 7671821	www.neudorff.co.uk

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SBM Life Science Ltd	Unit 2, Tech+no Park, Newmarket Road , Cambridge CB5 8PB	(0845) 345 4100	www.protect-garden.co.uk
Scotts Company (UK) Ltd	1 Archipelago, Lyon Way, Frimley, Surrey, GU16 7ER	(01276) 401300	www.lovethegarden.com
Stan Brouard Ltd	PO Box 383, Landes du Marche, Vale, Guernsey GY1 3FE	(01481) 252521	www.sbproducts.co.uk
Vitax Ltd	Owen Street, Coalville, Leicestershire LE67 3DE	(01530) 510060	www.vitax.co.uk
Westland Horticulture Ltd	Alconbury Hill, Huntingdon, Cambridgeshire PE28 4HY	(028) 8772 7500	www.gardenhealth.com

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