
Fungicides for Home Gardeners

RHS Gardening Advice
May 2019



Inclusion of a fungicide product in this leaflet does not indicate a recommendation or endorsement by the RHS Gardening Advice. 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

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grown in gardens, sensitivity to products 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. Trained staff are present by law in larger retail outlets who can give good advice on what products to buy, how to use them and alternative methods of control.

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* | Resolva Rose 3 in 1 | Westland Horticulture Ltd | ready-to-use spray |
| Myclobutanil and cypermethrin* | Roseclear Ultra Gun 2 | Scotts Company (UK 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 |
|-------------------|------------------|-------------------------------|-------------|
|-------------------|------------------|-------------------------------|-------------|

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| | | | |
|-------------------------------------|---------------------------------------|---------------------------|---------------------|
| 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 |
| 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 | SB Plant Invigorator | Stan Brouard Ltd | ready-to-use spray |
| Physical mode | Resolva Natural Power Bug and Mildew | Westland Horticulture Ltd | ready-to-use spray |
| Physical mode | Ecofective Rose Defender RTU | Sipcam Home & Garden | ready-to-use spray |
| Physical mode | Ecofective Rose Defender Concentrate | Sipcam Home & Garden | liquid concentrate |
| Physical mode | Ecofective Houseplant Defender | Sipcam Home & Garden | ready-to-use |
| Physical mode | Ecofective Bug & Mildew Control | Sipcam Home & Garden | ready-to-use |
| Physical mode | RHS Bug & Mildew Control | Sipcam Home & Garden | ready-to-use |
| Physical mode | RHS Bug & Mildew Control Concentrate | Sipcam Home & Garden | liquid concentrate |



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.

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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 | Provanto Fungus Fighter Concentrate | SBM Life Science Ltd | liquid concentrate |
| Tebuconazole and Trifloxystrobin | Provanto 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.

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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 |
| Sipcam Home & Garden | 4 Archway House, Melbourne 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.jeyesfluid.co.uk |
| Neudorff UK | Vienna House, Birmingham, International Park, Solihul, B37 7GN | (0121) 7671821 | www.neudorff.co.uk |
| 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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