Mixing and cleaning

Half-fill the sprayer with clean water before adding the required quantity of SPRUZIT. Add the remainder of the water and mix thoroughly before use. Do not mix more spray than you need and do not let unused spray stand in the sprayer. Wash out the sprayer after use.

On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely.

Before use ensure that all spraying equipment is clean. Add half the required volume of water and start agitation, add the required quantity of SPRUZIT. Fill the tank to the required volume whilst maintaining agitation. Continuous agitation must be maintained until spraying is complete.

All application equipment must be thoroughly cleaned with water prior to storage or use on another crop.

Application

At the first sign of pest attack, apply as a fine spray to thoroughly wet the leaves and stems of infested plants, but avoid direct application to open flowers. Ensure the lower surface of leaves is thoroughly wetted. Repeat applications at 7 day intervals may be required to maintain control. When used against mealy bugs, scale insects and thrips, applications should be repeated at 14 day intervals.

Best application timing is early in the morning or in the evening. Do not apply in direct sunshine or in hot weather conditions.

Dead insects may be seen on the plant leaves for several days before they fall off.

Some species of plants, including ferns, Ficus and Poinsettia, may be sensitive and suffer damage to foliage, particularly where more than one applications are made. It is recommended to test on small scale before treating large scale crops.

RESISTANCE

Total reliance on one pesticide will hasten the development of resistance. Pesticides of different chemical types or alternative control measures should be included in the planned programme. Alternating insecticides with different modes of action is a recognised anti-resistance strategy and SPRUZIT should always be used in conjunction with other insecticides of a different mode of action.

Glasshouse whitefly strains and species of aphids resistant to one or more groups of insecticides are widespread. Where strains resistant to products containing pyrethrin insecticides occur, SPRUZIT is unlikely to give satisfactory control.

Mode of action

Spruzit works as a contact insecticide. Due to the oil-based formulation the product controls adult, larval and some egg stages of various pests.

Company Advisory Information

This section is not part of the Product Label under Regulation 1107/2009. It provides additional advice on product use at the discretion of the applicant.

CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:

WEBLINK to specific data sheet on manufacturer's website:

https://certisbelchim.co.uk/pdf/MSDS/Spruzit_MSDS.pdf

Alternatively, contact your supplier.

SPECIMEN

SPRUZIT®

MAPP 18434

GROUP 3A INSECTICIDE

Spruzit is a broad spectrum, contact insecticide for use against biting and sucking insects in a wide range of edible and non-edible crops grown in protected and outdoor situations.

An emulsifiable concentrate formulation containing 4.59 g/L pyrethrins and 825.3 g/L of naturally derived rapeseed oil.

Spruzit
An emulsifiable concentrate formulation containing 4.59 g/L pyrethrins and 825.3 g/L of naturally derived rapeseed oil.

WARNING

H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

P501 Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty triple, rinsed clean containers which can be disposed of as non-hazardous waste.

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

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops/ Situations:	Maximum individual dose (Litres product/ha)	Maximum number of treatments	Latest time of application	Other specific restrictions
See DIRECTIONS FOR USE within the leaflet attached to the pack				

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.

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THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH) REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

SAFETY PRECAUTIONS

Envirnmental Protection

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and contaminated surfaces.
WEAR SUITABLE PROTECTIVE GLOVES when using hand-held sprayers.
WASH HANDS AFTER USE.

Environmental protection

Do not contaminate water with the product or its container.
Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.
DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers or hand held sprayers to fall within 20 metres of the top of the bank of a static or flowing water body, or within 1 m of top or a ditch which is dry at the time of application. Aim spray away from water. THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.
This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. The statutory buffer zone must be maintained, and the distance recorded in the LERAP record form. The LERAP form must be kept available for three years.
For permanent protection: Treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years.
Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops.
To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.
To protect non-target arthropods/insects respect an unsprayed buffer zone of 5 metres to non-crop land.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
EMPTY CONTAINER COMPLETELY and dispose of safely.

INSECTICIDE

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READ CAREFULLY BEFORE USE

Production date / Batch number: see packaging

For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777

For technical and non-emergency calls phone 0044 (0)845 373 0305

Authorisation Holder:
W. Neudorff GmbH KG
An der Mühle 3 D-31857,
Emmerthal, Germany

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Certis Belchim
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Marketing by: **Certis Belchim BV**
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Tel: 0044 (0)1223 652500
email: info.uk@certisbelchim.com
www.certisbelchim.co.uk

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops/Situations:

Outdoor use on: beans without pods – fresh, broad bean – fresh, bulb onion, carrot, celeriac, dwarf French bean, edible podded pea, garlic, horseradish, Jerusalem artichoke, leek, lettuce, parsley root, parsnip, radish, red beet, runner bean, salsify, shallot, soya bean – fresh, spinach, swede, turnip, vining pea, cabbage and asparagus.

Outdoor and protected use on: Angelica, balm, basil, bay, caraway leaves, celery leaves, chives, coriander leaves, dill leaves, edible flowers, fennel leaves, herbs, hyssop, lovage leaves, marjoram, mint, oregano, parsley, rosemary, sage, salad burnet, savory, sweet cicely, tarragon, kohlrabi, cabbage (up to and including 6 leaf stage) and lettuce (up to and including 6 leaf stage).

Permanent protection with full enclosure use on: Tomato, and ornamental plant production.

Maximum individual dose	Maximum number of treatments	Latest time of application
See DIRECTIONS FOR USE		

Other specific restrictions:

1) The maximum concentration must not exceed 2 litres of product in 100 litres water.
2) Applications can only be made to non-edible parts of the asparagus crop.
3) For protected crops, treatment must only be made under 'permanent protection' situations which provide full enclosure (including continuous top and side barriers down to below ground level) and which are present and maintained over a number of years.
4) Reasonable precautions must be taken to prevent access of birds, wild mammals and honey bees to treated crops.
5) To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.

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.

DIRECTIONS FOR 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 this product.

Under multiple cropping environments apply a maximum of 10 applications of SPRUZIT per year. And in ornamentals, tomatoes, apply SPRUZIT at concentration of 1.0 L/ha in 100 L /ha water, adjusting to crop height as below. In ornamentals apply a higher concentration of 1.5 L/ha in 100 L water per ha for glasshouse whitefly, and 2.0 L in 100 L water per ha for scale insects and mealy bugs.

Crop	Pest	Crop height	Maximum individual dose (L/ha)	Maximum water volume (L/ha)	Maximum number of applications per crop	Latest time of application
Ornamentals (permanent protection with full enclosure)	Aphids, leaf hoppers, thrips (except *Frankliniella occidentalis*), beetles, weevils (except *Otiorhynchus* spec.), sawflies, spider mites, caterpillar (except leaf rollers)	up to 50 cm	6.0	600	2	-
		50 to 125 cm	9.0	900		
		over 125 cm	12.0	1200		
	Glasshouse whiteflies	up to 50 cm	9.0	600	2	
		50 to 125 cm	13.5	900		
		over 125 cm	18.0	1200		
	Scale insects and mealybugs	up to 50 cm	12.0	600	2	
		50 to 125 cm	18.0	900		
		over 125 cm	24.0	1200		
Tomatoes (permanent protection with full enclosure)	Aphids, two spotted spider mite	up to 50 cm	6.0	600	2	3 days before harvest
		50 to 125 cm	9.0	900		
		over 125 cm	12.0	1200		
Cabbage* (protected)	Aphids, caterpillar (except leafrollers), beetles		6.0	600	4	Up to and including 6 leaf stage
Cabbage* (outdoor)	Aphids, caterpillar (except leafrollers), beetles		6.0	600	2	Up to and including 6 leaf stage
Cabbage* (protected)	Aphids, caterpillar (except leafrollers), beetles		6.0	600	2	7 days before harvest
Cabbage*, Kohlrabi (outdoor)	Aphids, caterpillar (except leafrollers), beetles		6.0	600	2	3 days before harvest
Lettuce* (protected)	Aphids (except lettuce-currant aphid), caterpillars (except leafrollers)		6.0	600	4	Up to and including 6 leaf stage
Lettuce* (outdoor)	Aphids (except lettuce-currant aphid), caterpillars (except leafrollers)		6.0	600	2	Up to and including 6 leaf Stage
Lettuce* (outdoor) (up to and including head beginning to form)	Aphids (except lettuce-currant aphid), caterpillars (except leafrollers)		6.0	600	2	3 days before harvest
Lettuce* (protected) (up to and including head beginning to form)	Aphids (except lettuce-currant aphid), caterpillars (except leafrollers)		6.0	600	2	7 days before harvest
Kohlrabi (protected)	Aphids, caterpillars (except leafrollers)		6.0	600	2	3 days before harvest
Fresh herbs (protected), Angelica, balm, basil, bay, caraway leaves, celery leaves, chives, coriander leaves, dill leaves, edible flowers, fennel leaves, herbs, hyssop, lovage leaves, marjoram, mint, oregano, parsley, rosemary, sage, salad burnet, savory, sweet cicely, tarragon	Aphids, thrips (except *Franliniella occidentalis*), leaf hoppers, whiteflies beetles, sawflies, leaf eating caterpillars		6.0	600	2	7 days before harvest
Fresh herbs (outdoor) Angelica, balm, basil, bay, caraway leaves, celery leaves, chives, coriander leaves, dill leaves, edible flowers, fennel leaves, herbs, hyssop, lovage leaves, marjoram, mint, oregano, parsley, rosemary, sage, salad burnet, savory, sweet cicely, tarragon	Aphids (except lettuce-currant aphid)					
Spinach (outdoor)	Aphids, caterpillar (except leafrollers), beetles		6.0	600	2	3 days before harvest
Leek, bulb onion, garlic, shallot (outdoor)	aphids		6.0	600	2	3 days before harvest
Carrot, celeriac, horseradish, Jerusalem artichoke, parsnip, parsley root, radish, red beet, salsify, swede, turnip (outdoor)	aphids		6.0	600	2	3 days before harvest
Beans without pods – broad bean (fresh), dwarf French bean (fresh), edible podded pea, runner beans (fresh), soya bean (fresh), vining pea (outdoor)	Aphids, beetles, weevils	up to 50 cm	6.0	600	2	
Asparagus (outdoor)	Asparagus beetle	up to 50 cm	6.0	600	2	

***Headed varieties only**

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