

Spruzit ®
MAPP 13438

An emulsifiable concentrate formulation containing 4.59 g/l (0.459 % w/v) pyrethrins. Formulation contains naturally derived oil. Spruzit is a broad spectrum, contact insecticide for use against biting and sucking insects in edible and non-edible plants grown in outdoor and protected situations. Controls insect adults and larvae, and some egg stages of bugs.

10 litres e
Batch No.:

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

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and contaminated surfaces.

WEAR SUITABLE PROTECTIVE GLOVES when using hand-held sprayers.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS AFTER USE.

If medical advice is needed, have product container or label at hand.

Environmental protection

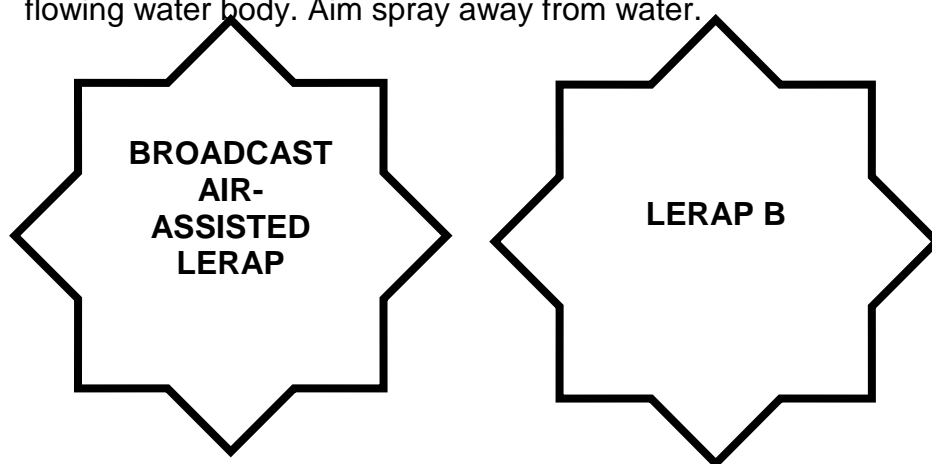
Avoid release to the environment.

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 distance to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within '50 m' of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.



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.

Re-use of empty packaging is prohibited.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/ HORTICULTURAL/FORESTRY AND AMENITY INSECTICIDE

Crops/situations	Maximum Individual dose (litres product/ha)	Maximum number of applications	Latest time of application
All edible, crops, all non-edible crops (outdoor)	6.0	4 per year	-
All edible, crops, all non-edible crops (outdoor) (see 'Other Specific Restrictions')	12.0	4 per year	-

All edible crops,
all non-edible
crops (protected)

24.0

-

-

Other specific restrictions:

The maximum concentration must not exceed 2 litres product in 100 litres water.

The 12 litres product/ha application rate must only be applied via hand-held or broadcast air-assisted sprayers.

The 6 litres product/ha application rate must only be applied via hand-held or tractor mounted horizontal boom sprayers.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer or broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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

Spruzit

An emulsifiable concentrate formulation containing 4.59 g/l pyrethrins



TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

If medical advice is needed, have product container or label at hand

Keep out of reach of children

Avoid release to the environment

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

MAPP13438

DIRECTIONS FOR USE: Refer to leaflet attached to this bottle.



compliant with the CPA Voluntary Initiative Guidance



Approval Holder:

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Marketed by:

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

0870 190 6777

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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.

END OF LABEL TEXT

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.

Dose

Outdoor crops

To control aphids, leaf-feeding beetles, caterpillars, red spider mites and thrips apply at 6.0 l/ha when applying by horizontal boom sprayer in a minimum of 300 l/ha of water. Apply at 6 to 12 l/ha in a minimum of 300 l/ha of water, depending on plant height, when applying by hand-held or broadcast air-assisted sprayer. The maximum concentration must not exceed 2 litres in 100 litres of water.

Effects on western flower thrips (*Frankliniella occidentalis*) has not been determined.

Where tree height and/or canopy density is reduced, the dose (and water volume) should be adjusted in accordance with an appropriate dose adjustment scheme. Consult your specialist advisor for further information. Further information on the PACE scheme is available from HDC, or see the HDC leaflet (Orchard Spraying: Opportunities to reduce rates) available on the CRD website at <http://www.pesticides.gov.uk/Resources/CRD/Migrated-Resources/Documents/H/HDC.pdf>

Protected crops

To control whitefly in protected situations apply at 9.0 to 18.0 l/ha in a minimum water volume of 450 l/ha, depending on plant height. When used as directed, some control of eggs of whiteflies may be expected.

To control mealy bugs, flea beetles and scale insects in protected situations apply at 12.0 to 24.0 l/ha in a minimum water volume of 600 l/ha, depending on plant height.

The maximum concentration must not exceed 2 litres in 100 litres of water.

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 treatments at 7 day intervals may be required to maintain control. When used against mealy bugs, scale insects and thrips, application should be repeated at 14 day intervals. Two sprays are usually sufficient for most pests but whitefly will require repeat treatments to achieve effective control.

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

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

Some species of plant, including ageratum, ferns, fiscus, lantana, poinsettia, *Petroselinum crispum* and some strawberries may be sensitive and suffer damage to foliage, particularly where more than one application is made. It is recommended to test on single plants before treating larger numbers.

RESISTANCE

Pesticide resistance in glasshouse whitefly, spider-mites and some aphids is widespread. Where strains resistant to products containing Pyrethrins occur Spuzit is unlikely to give satisfactory control.

Note: Resistant strains of the tobacco whitefly are also known to occur. Where resistant strains are present repeat treatments are likely to result in lower levels of control.

Mode of action

Spruzit works as a contact insecticide. Based on the oil-based formulation the product controls adult, larval and some egg stages of bugs.

Material Safety Data Sheet

Section 6 of the Health and Safety at Work Act Additional Product Safety Information

(This section does not form part of the product label under the Plant Protection Products Regulations (as amended)). The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that particular use has “off-label” approval or is otherwise permitted under the Plant Protection Products Regulations. The information on this label is based on the best available information including data from test results.

To access the Safety Data Sheet for this product, scan the QR code or use the web-link below:

URL:

http://www.certiseurope.co.uk/fileadmin/downloads_uk/products/insecticides/SPRUZIT_MSDS.pdf

