

SHIRUDO®**An acaricide for the control of mites in top fruit.**

FOR USE ONLY AS A HORTICULTURAL ACARICIDE

A wettable powder (WP) containing 20% w/w tebufenpyrad

MAPP No.: 19575

GROUP 21 INSECTICIDE

Production date / Batch number: see bottle

The (COSHH) Control of Substances Hazardous to Health regulations may apply to the use of this product at work.



The Voluntary Initiative

This label is compliant with the CPA Voluntary Initiative Guidance.

24 hour emergency number: 0032 14 58 45 45

Marketing company: **Belchim Crop Protection Limited**
1b Fenice Court, Phoenix Park, Eaton Socon | St Neots, Cambridgeshire PE19 8EW
Tel: 01480 403333 | Fax: 01480 403444 | info-uk@belchim.com | www.belchim.co.ukNet contents: **1kg e**
(10 x 100g)**Important Information**
FOR USE ONLY AS A HORTICULTURAL ACARICIDE

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application
Apple, pear	500 g product/ha (see 'Other Specific Restrictions')	One per crop	7 days before harvest

Other specific restrictions:

The following maximum concentrations must not be exceeded: 500 g product / 250 - 2000 litres of water.

This product must not be applied via hand-held equipment.

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.**SHIRUDO®**

A wettable powder containing 20% w/w tebufenpyrad.

H302+H332 Harmful if swallowed or if inhaled.**H319 Causes serious eye irritation.****H335 May cause respiratory irritation.****H410 Very toxic to aquatic life with long lasting effects.**

P261 Avoid breathing mist/spray.

P264 Wash hands, forearms and face thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

P312 Call a POISON CENTRE or doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage.

EUH208 Contains tebufenpyrad. May cause an allergic reaction.

EUH410 To avoid risks to human health and the environment, comply with the instructions for use.**WARNING**Authorisation Holder:
Belchim Crop Protection NV/SA
Technologieaan 7, 1840 Londerzeel
Belgium

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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 clothing (coveralls), suitable protective gloves and face protection (faceshield) when handling the concentrate.
- Wear suitable protective clothing (coveralls) and suitable protective gloves when handling contaminated surfaces.
- Wear suitable protective clothing (coveralls) during application.

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

- WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).
- AVOID ALL CONTACT BY MOUTH.
- WASH HANDS AND EXPOSED SKIN before meals and after work.

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.
- This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a 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.
- DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 30m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.

STORAGE AND DISPOSAL

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

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.

RESTRICTIONS / WARNINGS

Before using Shirudo® on crops to be processed for human consumption, consult your processor. Do not apply by hand-held equipment.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods.

PEST CONTROL

Shirudo® controls fruit tree red spider mite (*Panonychus ulmi*) in apples and pears.

Shirudo® also provides moderate control of apple rust mite (*Aculus schlechtendali*) when applied against fruit tree red spider mite in apples.

Shirudo® controls all spider mite stages from eggs (except winter eggs) to adults.

RESISTANCE MANAGEMENT

Shirudo® is a mitochondrial electron transport inhibitor (METI-I) acaricide acting at Complex I (IRAC MoA Group 21). To reduce the build-up of resistance, no more than one application of Shirudo® should be made to any crop in any one growing season.

Other METI-I acaricides should not be applied to the same crop in the same season as Shirudo® either separately or in mixture.

Alternate/rotate METI-I applications with acaricides from other IRAC MoA groups that do not have cross-resistance.

It is recommended that if a METI-I acaricide is used as the last application of the growing season in a given field, a METI-I acaricide should not be used for the first application in that field the next growing season.

Preferably apply METI-I acaricides early in the season before the mite populations are well established.

For further advice on resistance management contact your agronomist or specialist advisor.

CROP SPECIFIC INFORMATION

APPLES AND PEARS

Shirudo® has been shown to have no effect on fruit quality or fruit finish.

Rate of application

For the control of fruit tree red spider mite apply Shirudo® at a rate of 500 g/ha in a water volume of 250-2000 litres/ha. Water volume should be based on the size of the trees and leaf area at application and sufficient to ensure good coverage.

Time of application

Applications must not be made before 90% petal fall. Apply Shirudo® before the pest becomes established. Consult your

adviser for current mite treatment thresholds.

Moderate control of apple rust mite can be achieved from applications made against fruit tree red spider mite in apples. Do not apply later than 7 days before harvest.

MIXING AND SPRAYING

One third fill the tank with water and start agitation.

Open the pack and remove the required number of water soluble bags with dry gloves. Add the bags to the tank and allow them to disperse. If there are any water soluble bags remaining in the pack, ensure that the pack is properly closed. DO NOT open the bags.

If tank-mixing, add the other product(s) only if Shirudo® has fully dispersed.

Add the remainder of the water to the tank and continue agitation until spraying is complete.

Never prepare more spray solution than is required.

DO NOT REMOVE THE INNER LINER.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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



http://www.belchim.co.uk/pdf/MSDS/Shirudo_MSDS.pdf

Alternatively, contact your supplier.