



caLypso®

1L e



Insecticide

A chloronicotynyl insecticide to control rosy apple aphid in apples.

MAPP 11257

A suspension concentrate formulation containing 480 g/L (40.4% w/w) thiacloprid.

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

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road, Cambridge CB4 0WB
Telephone: 01223 226500

For 24 hour emergency information contact Bayer CropScience Ltd.
Telephone: 00800 1020 3333.



Safety Information

CALYPSO

Contains: thiacloprid (480 g/L), 1,2-Benzisothiazol-3(2H)-one and Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one.



Danger

Harmful if swallowed or inhaled. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May damage fertility. May damage the unborn child. Very toxic to aquatic life with long lasting effects.

Obtain special instructions before use. Avoid breathing mist or spray. Use only outdoors or in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Call a POISON CENTER or doctor/physician. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean/triple-rinsed 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 HORTICULTURAL INSECTICIDE

Crops:	Apples
Maximum individual dose:	0.375 L/ha
Maximum number of treatments:	Two per year
Latest time of application:	14 days before harvest.

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.



To access the **Safety Data Sheet** for this product scan the code or use the link below:
www.cropscience.bayer.co.uk/calypsosds
or alternatively contact your supplier

**PROTECT FROM FROST
SHAKE WELL BEFORE USE**
GB79120761n rA7c

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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) and SUITABLE PROTECTIVE GLOVES when handling the concentrate, applying by hand-held equipment or applying by broadcast air-assisted equipment.

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

AVOID ALL CONTACT WITH SKIN.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IF SWALLOWED, SEEK MEDICAL ADVICE immediately and show this label.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

Environmental Protection

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See Directions for use.

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 30 m 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 5 m of the top of a ditch which is dry at the time of application. Aim spray away from water. This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme for BROADCAST AIR-ASSISTED SPRAYERS ONLY. 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 result of the LERAP must be recorded and kept available for three years.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into the spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

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 safely.

Directions for use 

DIRECTIONS FOR USE

IMPORTANT: This leaflet is approved as part of the label. All instructions on this leaflet and on the label should be read carefully in order to obtain successful results from the use of this product.

RESTRICTIONS & WARNINGS

Consult processor before using on crops for processing.

Shake well before use.

Under certain circumstances the cider apple variety *Michelin* may exhibit symptoms of leaf scorch following applications of Calypso, particularly when treated around petal-fall. If treating this variety, ensure in particular that trees are not under stress such as nutrient deficiency and avoid using the product in tank mixtures.

PESTS CONTROLLED

Calypso is a chloronicotinyl systemic insecticide for the control of rosy apple aphid (*Dysaphis plantaginea*) on apples.

CROP SPECIFIC INFORMATION

Use spray volumes from 500 to 1500 litres of water to give full coverage. Use Calypso at 0.25 – 0.375 L/ha depending on tree size, with a maximum product dose of no more than 0.375 L/ha in a single dose.

When applying Calypso by broadcast air-assisted orchard sprayers, the best available application technique, which minimises off-target drift, should be used to reduce effects on non-target insects or other arthropods. For dense canopies and larger trees use the higher volume. It is important to ensure full coverage of the crop and pest for optimum aphid control.

Spray Quality: **MEDIUM** (as defined by BCPC).

Timing: a pre-blossom spray should be applied at the first sign of aphids, usually flower buds visible (GS 55) and not later than pink bud (GS 57).

Latest time of application: 14 days before harvest.

A follow-up post blossom spray of Calypso may be required; apply from the end of flowering (GS 69) to fruit half final size (GS 75). For post blossom sprays use a higher water volume to aid control by improving coverage and penetration of dense canopies and curled leaves.

Effective aphid control in top fruit usually requires several sprays of insecticide per year and Calypso may be used for up to a maximum of two of these sprays. – see 'Pesticide Resistance Management Strategy' below.

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 AHDB, or see the AHDB leaflet: Orchard Spraying Opportunities to reduce rates (reference number 20/05).

PESTICIDE RESISTANCE MANAGEMENT STRATEGY

Total reliance on one pesticide will hasten the development of resistance; pesticides of different chemical types or alternative control measures should be included in a planned programme. Alternating insecticides with different modes of action is a recognised anti-resistance strategy. To further minimise the likelihood of less susceptible pest strains arising, Calypso should always be applied at the full recommended rate of use and in sufficient water volume to achieve the required spray penetration into the crop and uniform coverage necessary for optimal pest control.

MIXING

Thoroughly shake the pack before use. Add the required quantity of Calypso to the half-filled spray tank with the agitation system in operation, and fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

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