

front cover



A neonicotinoid insecticide to control aphids in broccoli/calabrese, Brussels sprout, cabbage, cauliflower, carrot, parsnip, pea and potato, reduce damage from orange wheat blossom midge in wheat, and control pollen beetles in oilseed rape and mustard

An oil dispersion formulation containing 240 g/L (22.97% w/w) thiacloprid.

Approval holder:
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Risk and Safety Information

BISCAYA Contains 240 g/L (22.97%) thiacloprid



HARMFUL

Harmful if swallowed
Irritating to eyes and skin

Limited evidence of a carcinogenic effect
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Keep out of reach of children
Keep away from food, drink and animal feedingstuffs
Wear suitable protective clothing and gloves
Use only in well ventilated areas.
Do not breathe spray.

In case of contact with eyes, rinse with plenty of water and seek medical advice.
Avoid release into the environment. Refer to special information/Safety data sheet.
This material and its container should be disposed of in a safe way.
Use appropriate containment to avoid environmental contamination.

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



DANGEROUS FOR THE ENVIRONMENT

MAPP 15014 PCS No. 03602

SAFETY PRECAUTIONS - All UK Only

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 AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

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

Environmental Protection

Do not contaminate water with product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards or roads.

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.

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.

DO NOT RE-USE CONTAINER for any purpose.

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

IMPORTANT INFORMATION:

FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE

Crop	Maximum individual dose	Maximum number of treatments	Latest time of application
Potatoes (ware)	0.4 L/ha	1 per crop	14 days before harvest
Potatoes (seed)	0.4 L/ha	2 per crop	14 days before harvest
Oilseed rape and mustard	0.3 L/ha	1 per crop	30 days before harvest
Wheat*	0.4 L/ha	1 per crop	Up to and including flowering (anthesis just complete) (GS 69)
Combining pea and vining pea	0.4 L/ha	2 per crop	7 days before harvest
Broccoli/calabrese, Brussels sprout, cabbage & cauliflower	0.4 L/ha	2 per crop	7 days before harvest
Carrot & parsnip	0.4 L/ha	2 per crop	7 days before harvest

Other specific restriction: Do not apply to wheat before first spikelet visible stage (GS 51)

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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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

Shake well before use

PESTS CONTROLLED

Biscaya is a neonicotinoid systemic insecticide which provides:-

- control of pea aphids (*Acyrtosiphon pisum*) and pea midge damage in peas
- control of aphids (cabbage aphid *Brevicoryne brassicae* and peach-potato aphid *Myzus persicae*) in broccoli/calabrese, Brussels sprout, cabbage and cauliflower,
- control of the willow carrot aphid (*Cavariella aegopodii*) in carrot and parsnip
- control of aphids (e.g. virus vectors such as the peach-potato aphid *Myzus persicae* and potato aphid *Macrosiphum euphorbiae*) in potatoes
- control of pollen beetles in oilseed rape and mustard.
- reduction in damage caused by orange wheat blossom midge in wheat

CROP SPECIFIC INFORMATION

There are various restrictions on the number of applications that can be made of any neonicotinoid product on certain crops. Please refer to the 'PESTICIDE RESISTANCE MANAGEMENT STRATEGY' for further details.

Application

Apply in a water volume of 200-400 Litres of water per hectare according to the crop and pest. Apply as a MEDIUM quality spray (BCPC).

All varieties of broccoli/calabrese, Brussels sprout, cabbage, cauliflower, carrot, parsnip, peas, potatoes, wheat, oilseed rape and mustard may be treated.

Broccoli/calabrese, Brussels sprout, cabbage and cauliflower

Apply Biscaya at a rate of 0.4 L/ha as aphids start to build up in the crop. On autumn/winter crops with longer growing periods destined for later harvesting, one or both of the neonicotinoid foliar applications should be targeted at *Brevicoryne brassicae* and should be applied late in the season when numbers of *Myzus persicae* are low.

Levels of control may be reduced where high, established populations are present. In such circumstances a second application may be required.

Biscaya may be used up to 2 times in a programme in alternation with non-neonicotinoid insecticides of a different mode of action. Do not use Biscaya in consecutive sprays. Follow guidelines in 'PESTICIDE RESISTANCE MANAGEMENT STRATEGY' below.

Water Volume: 200-400 L/ha. Use higher water volumes in dense crops.

Combining peas and vining peas

Apply Biscaya at a rate of 0.4 L/ha as pea aphids start to build up in the crop. A second application may be applied if aphid pressure remains high.

Preliminary data have shown that well-timed applications of Biscaya at a rate of 0.4 L/ha can give useful control of pea midge and improvement in pod numbers. Inspect plants at early flowering (flower buds enclosed) and apply the first spray if adult midges are found or according to local warnings. Repeat 7-10 days later.

Water Volume: 200-400 L/ha

Carrots and parsnips

Apply Biscaya at a rate of 0.4 L/ha as aphids start to build up in the crop. A second application may be applied if aphid pressure remains high.

Water Volume: 200-400 L/ha

Potatoes

Ware Crops

Apply Biscaya at a rate of 0.4 L/ha when aphids reach threshold levels. Should further applications be required, use a non-neonicotinoid insecticide of a different mode of action.

Seed crops

Apply Biscaya at a rate of 0.4 L/ha from crop emergence. Biscaya may be used up to 2 times in a programme in alternation with non-neonicotinoid insecticides of a different mode of action. Do not use Biscaya in consecutive sprays. Use no more than two applications of any neonicotinoid containing product on seed potatoes (see 'pesticide resistance management strategy').

Biscaya will reduce the transmission of potato viruses when used as part of an insecticide programme for virus prevention.

Water Volume: 200 – 400 L/ha: use a higher volume on dense crops.

Oilseed Rape and mustard

Apply Biscaya at a rate of 0.3 L/ha at green bud stage if pollen beetle numbers are at threshold levels.

Water Volume: 200-400 L/ha

Wheat

Apply Biscaya at a rate of 0.4 L/ha during ear emergence as soon a threshold of adult orange wheat blossom midges has been reached. Use pheromone traps or yellow sticky traps to monitor adult activity in crops at risk. Crops at GS55-59 are most susceptible to damage. Consult HGCA literature or a qualified agronomist for additional information on the pest and spray thresholds.

Aphids present on the crop at application will also be controlled.

Water Volume: 200 L/ha

PESTICIDE RESISTANCE MANAGEMENT STRATEGY

Total reliance on one pesticide will hasten the development of resistance; pesticides of different chemical types or alternative control methods should be included in a planned programme. Alternating insecticides with different modes of action is a recognised anti-resistance strategy and 'Biscaya' should always be used in conjunction with other insecticides of a different mode of action. This includes consideration of sequences involving seed or soil treatments followed by foliar sprays.

Brassicacae

Use no more than two foliar applications of any neonicotinoid insecticide (e.g. acetamiprid, thiacloprid) on any crop. Two foliar applications are permitted regardless of whether a neonicotinoid insecticide has previously been used on the crop as a seed or module treatment. Where a neonicotinoid seed or soil treatment has been used, the first subsequent foliar spray should be with a non-neonicotinoid containing product with a different mode of action.

One or both of the neonicotinoid foliar applications should be targeted at *Brevicoryne brassicae* and should be applied late in the season when numbers of *Myzus persicae* are low. Alternate with non-neonicotinoid containing products between foliar applications of neonicotinoids.

Potato

Use no more than a single application of any neonicotinoid insecticide on ware potatoes, and no more than two applications of any neonicotinoid insecticide on seed potatoes.

Oilseed rape

Use no more than one foliar application of any neonicotinoid insecticide on oilseed rape.

Growers should consult the IRAG website for further information on the current resistance management strategy for pollen beetle, in particular the use of thiacloprid in areas of high resistance risk, or where a pyrethroid has been used but pollen beetle populations remain above the treatment threshold.

Biscaya 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 AND SPRAYING

Shake well before use. Add the required quantity of Biscaya 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. Wash equipment thoroughly, immediately after use, and drain.

COMPATIBILITY

Consult your distributor or Bayer CropScience.

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