


CLAYTON SPIRIT

A contact insecticide for the control of aphids in winter and spring wheat and winter and spring barley and control of pollen beetles, cabbage seed weevil and aphids in winter and spring oilseed rape and reduction in cabbage stem flea beetle in winter oilseed rape. An oil in water emulsion containing 240 g/litre (22.0% w/w) tau-fluvalinate. **MAPP 19190**

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|  | <p>Clayton Spirit contains 240g/L tau-fluvalinate in an oil in water emulsion</p> <p>WARNING Very toxic to aquatic life with long lasting effects Keep out of reach of children. Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty, clean containers which can be disposed of as non-hazardous waste.</p> <p>To avoid risks to human health and the environment comply with the instructions for use.</p> <p>The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.</p> |
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| IMPORTANT INFORMATION : FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL INSECTICIDE | | | | |
|--|---------------------------------------|--|------------------------------|--|
| Crops/ situations | Maximum individual dose(L/product/ha) | Maximum total dose(L/product/ ha/crop) | Maximum number of treatments | Latest time of application |
| Wheat (winter) | 0.2 | 0.4 | - | Before kernel medium milk |
| Barley (winter) | 0.2 | 0.4 | - | Before caryopsis watery ripe |
| Wheat (spring) | 0.15 | - | 1 per crop | Before kernel medium milk |
| Barley (spring) | 0.15 | - | 1 per crop | Before caryopsis watery ripe |
| Oilseed rape | 0.2 | 0.4 | - | Up to and including the end of flowering |

Other specific restrictions This product must not be applied to a cereal crop if any other product containing either a pyrethroid or dimethoate has been applied to that crop after the start of ear emergence. A minimum interval of 14 days must be observed between applications when applied to listed cereals.

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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| <p>Approval Holder Clayton Plant Protection Ltd., Unit F10, Bracetown Business Park Clonee, Co. Meath. Ireland Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com</p> <p>Marketing company in UK Clayton Plant Protection (UK) Ltd. Address and telephone as above.</p> | <p>Contents: 5 Litres e</p> <p>SHAKE THOROUGHLY BEFORE USE</p> <p>PROTECT FROM FROST</p> <p>Batch No: UN3082</p> |
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Conditions of Supply: all goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and 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, and no responsibility will be accepted by us or resellers 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.

SAFETY PRECAUTIONS

Environmental 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) when applying the product. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher level of control.

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY with plenty of water.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

DO NOT BREATHE SPRAY.

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.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of any static or flowing water body, or 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 waterbody. Aim spray away from water.

THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP SCHEME.

HIGH RISK TO CERTAIN NON-TARGET INSECTS OR OTHER ARTHROPODS.

DO NOT SPRAY CEREALS within 6 m of the field boundary.

Storage and Disposal

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.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

Safety to non-target arthropods. When used as directed at 0.15 L/ha, CLAYTON SPIRIT presents a low risk to ground (carabid) beetles, rove (Staphylinid) beetles and adult hoverflies (Syrphids), though some reduction in numbers may occur.

Laboratory studies indicate that reductions in fecundity and egg viability may occur.

Avoid spraying oilseed rape within 6m of the field boundary to reduce effects on certain non-target insects or other arthropods.

Resistance : Control may be reduced where strains of pests resistant to tau-fluvalinate develop.

PEST CONTROL

Winter and spring barley, winter and spring wheat : Summer aphids, Autumn/winter aphids

Winter and spring oilseed rape : Pollen (blossom) beetle, Aphids, Cabbage stem flea beetle (winter oilseed rape), Cabbage seed weevil.

CROP SPECIFIC INFORMATION

Winter and spring barley, winter and spring wheat (summer aphid control).

Maximum individual dose: 0.15 L/ha. As a guide, spray once when aphids appear on two thirds of the ears and numbers are increasing. Utilise local predictive warnings if available.

Winter barley and winter wheat (autumn/winter applications).

Maximum individual dose: 0.2 L/ha. Treat according to specialist advice, normally:

High Risk Crops; drilled in September/early October, in virus prone areas or following grass or weedy stubble. Spray mid-October. A repeat application should be made during late autumn/early winter if aphid activity persists.

Medium Risk Crops; drilled before mid-October, in virus prone areas. Spray late October/ early November*.

Low Risk Crops; drilled after mid-October and crops in non-virus prone areas. Follow seasonal warnings based on aphid monitoring in local area*.

N.B. *In mild conditions, later sprays may be worthwhile.

Maximum total dose (all cereal uses)

Winter wheat & barley – 0.4 L/product/ha/crop

Spring wheat & barley – 0.15 L/product/ha/crop

Latest time of application (cereals)

Winter and spring wheat: Before kernel medium milk

Winter and spring barley: Before caryopsis watery ripe

Winter and spring oilseed rape

Pollen (blossom) beetle

Maximum individual dose: 0.2 L/ha Optimum control of this pest is achieved by application at the green to yellow bud stage. Apply according to local threshold advice. A repeat application may be made if pollen beetle activity persists.

Aphids

Maximum individual dose: 0.2 L/ha. Not recommended for use to control aphids on spring rape.

Spray according to local advice based on monitoring. A repeat application may be made if aphid activity persists.

Cabbage stem flea beetle

Maximum individual dose: 0.2 L/ha. Egg hatch can be from October to March but mostly takes place in late autumn and from mid-late January. Apply according to local threshold advice.

CLAYTON SPIRIT will reduce damage caused by cabbage stem flea beetle in winter oilseed rape.

For optimal results a repeat application is advisable if cabbage stem flea beetle activity persists.

Cabbage seed weevil

Maximum individual dose: 0.2 L/ha. Apply during flowering period when the numbers of pests reach the threshold or according to local advice based on monitoring. This is usually between 20% pod set and the end of flowering.

For spring varieties, make the first application at green to yellow bud stage. Make a repeat application during flowering as required.

Maximum total dose

Winter oilseed rape - 0.4 L/product/ha/crop. Spring oilseed rape - 0.4 L/product/ha/crop

Latest time of application. Winter and spring oilseed rape: Up to and including end of flowering

APPLICATION

Good spray cover of the target is essential. Apply through a conventional hydraulic sprayer. Do not leave the spray liquid in the sprayer for long periods (i.e. during meals or overnight).

SPRAY VOLUME

A minimum of 200 litres of water per hectare should be used for all applications. Increase this volume of water in order to obtain good penetration into dense crops.

SPRAY QUALITY

Apply as a MEDIUM quality spray as defined by BCPC. A minimum pressure of 2-3 bar should be used.

MIXING AND SPRAYING

Shake the container of CLAYTON SPIRIT thoroughly before opening. Add half the required volume of clean water to the spray tank. Add the recommended quantity of CLAYTON SPIRIT. Agitate whilst filling the tank to the required water volume and continue agitation during spraying. Wash out all spray equipment with water immediately after use. Crops should not be re-entered until spray residues are dry.

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