

Clayton Courage

A suspension concentrate containing 200 g/l chlorantraniliprole for the control of caterpillars in apples and pears
MAPP 18215



Insecticide containing 200g/L chlorantraniliprole

WARNING

Very toxic to aquatic life with long lasting effects.

Collect spillage.

Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste

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 AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE.

IMPORTANT INFORMATION: FOR USE ONLY AS AN HORTICULTURAL INSECTICIDE

CROPS	Apples, Pears.
MAXIMUM INDIVIDUAL DOSE	175ml/ha
MAXIMUM No. OF APPLICATIONS AT MAX SINGLE DOSE	2 per crop
MAXIMUM TOTAL DOSE	350ml/ha
LATEST TIMING	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

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

Approval Holder : Clayton Plant Protection Ltd., Bracetown Business Park, Clonee, Dublin 15. Ireland. Tel: (00 353) 1 8210127 www.cpp.ag Email: info@cpp.ag Marketing company : Clayton Plant Protection UK Ltd Contact details as above	Pack size : UN 3082 Batch No : *see footnote
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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.

* Clayton batch numbers have complete traceability back to the original manufacturer's batch numbers and are available to CRD on request. Clayton Courage with MAPP number 18215 has been confirmed by CRD to be identical to the reference product MAPP No: 14930.

SAFETY PRECAUTIONS

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

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements



DO NOT ALLOW DIRECT SPRAY from broadcast air assisted sprayers to fall within 10 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.

This product qualifies for inclusion within the Local Environment 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.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See 'DIRECTIONS FOR USE'.

Storage and disposal

Keep out of reach of children

Keep away from food, drink and animal feeding stuffs

This material and its container must be disposed of in a safe way

KEEP IN ORIGINAL CONTAINER tightly closed and in a safe place

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

Clayton Courage must not be applied to any crop suffering from stress, for example, as a result of drought, waterlogging, low temperatures, disease attack, nutrient or lime deficiency or other factors reducing crop growth.

To protect bees and pollinating insects do not apply to crops when in flower.

Do not use when bees are actively foraging (i.e. apply in the early morning or late evening).

Do not apply where other flowering plants are present.

The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods

Consult processor when the product is to be applied to crops grown for processing.

INSECT CONTROL

Clayton Courage is an anthranilic insecticide used for the control of Codling moth (*Cydia pomonella*) in apples and pears. Activity is by ingestion and contact. Paralysis of the pest occurs within a few hours of exposure and results in cessation of movement and feeding. Final control can take 2-4 days.

Clayton Courage may be used as part of an Integrated Pest Management (IPM) program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, rotation of insecticides with different modes-of-action, and treating when target pest populations reach locally determined action thresholds. Consult your crop adviser to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

Insect resistance

When insecticides with the same mode of action are used repeatedly over several years to control the same species in the same field, naturally-occurring resistant strains may survive a correctly applied treatment, propagate, and become dominant in that field. An insect can be resistant if the product applied under recommended conditions fails to control a sensitive species and a suitable validation assay confirms the lack of activity. Some insects (e.g. *Cydia pomonella*) have developed resistance to commercially available products. When resistance occurs, recommended rates fail to suppress the pest population below economic thresholds.

It is important that the grower considers the following: Alternate the use of Clayton Courage with products with a different mode of action than chlorantraniliprole. Monitor insect populations and apply Clayton Courage when locally determined economic thresholds are reached. More than one application may be necessary for any infestation, but no more than two applications of Clayton Courage should be applied. Follow the directions for use as mentioned on this label regarding optimum dose, timing and interval between treatments.

CROPS : Apples and pears for control of Codling moth (*Cydia pomonella*)

Dose: A rate of 175 ml/ha should be used for trees of 3 – 3.5m height at full canopy density. Apply in 200 -1500 l/ha of water to ensure good crop cover. 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, for example PACE. However, if reducing the dose according to tree height or canopy density, do not use less than 150 ml/ha (IRL only). Consult your specialist advisor for further information. Further information on the PACE scheme is available from HDC, or see the HDC leaflet available also at http://www.pesticides.gov.uk/uploadedfiles/HDC_TreeFruitDosingleaflet.pdf

Timing: For best fruit protection apply during egg-laying at the ovicide timing, before egg-hatch and fruit penetrations occur. Clayton Courage should be applied in alternation with other insecticides with different modes of action. Apply no more than two applications of Clayton Courage per year, at a minimum interval of 14 days in case of sequential applications.

MIXING

Before using Clayton Courage, make sure that the spraying equipment is clean. Clayton Courage mixes easily with water, but the following mixing procedure should be followed: Quarter fill the spray tank with clean water, start the agitation and add the required quantity of Clayton Courage directly to the tank. Continue agitation while topping up the tank and while spraying.

SPRAY TANK CLEAN-OUT

Immediately after application, completely drain spray equipment. Thoroughly rinse sprayer and flush the hoses, boom and nozzles with clean water. Loosen and physically remove visible deposits. Remove and clean nozzles, screens and strainers. Flush the entire system with clean water. Take all necessary safety precautions when cleaning equipment. Do not clean near wells or water sources. Consult label tank clean-up procedures for all tank mix partners and be sure to use the most rigorous procedure recommended.

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