CLAYTON OCCUPY

For use as a horticultural insecticide.

A ketoenol insecticide for the control of a range of insect pests in Brussels sprouts, broccoli/calabrese, cabbage, cauliflower, collards, kale, lettuce, potatoes, onions, carrots, swede, turnip and parsnip.
An oil dispersion formulation containing 150 g/L (15.94% w/w) spirotetramat. **For professional use only.**

Clayton Occupy : Contains 150 g/L (15.94%) spirotetramat

Safety information

Warning
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of damaging fertility.
Suspected of damaging the unborn child.
Toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Call a POISON CENTRE or doctor/physician.
Dispose of contents/container to a licenced hazardous waste disposal contractor or collection site except for empty triple rinsed containers which can be disposed of as non-hazardous waste.

In the event of an emergency, call the National Poisons Information Centre, Beaumont Hospital: 01-8092166 or 01 8379964

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

PCS 06899

Approval Holder: - Clayton Plant Protection Ltd., Bracetown Business Park, Clonee, Dublin 15. Ireland. Tel: (00 353) 1 8210127 Email: info@claytonpp.com www.claytonpp.com	Contents: 1 **L e** UN 3082 Batch No: PROTECT FROM FROST SHAKE THOROUGHLY BEFORE USE

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

Operator Protection

Avoid contact with skin.
Wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate.
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

Risk to non-target insects or other arthropods. see directions for use.
Dangerous to bees. To protect bees and other pollinating insects do not apply to crop plants when in flower or when flowering weeds are present. Do not use where bees are actively foraging.
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)
Use appropriate containment to avoid environmental contamination.

Storage and Disposal
Keep away from food, drink and animal feeding-stuffs.
Keep in original container, tightly closed, in a safe place.
Rinse container thoroughly by using an integrated pressure rising 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

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. Avoid spraying within 5 m of the field boundary to reduce effects on non-target insects or other arthropods.

RATES OF USE

Crops	Maximum individual dose:	Maximum number of applications	Latest time of application
Brussels sprouts, broccoli/calabrese, cabbage, cauliflower, collards, kale	0.5L/ha	2	3 days before harvest
Lettuce. field and protected	0.5L/ha	2	7 days before harvest
Potato	0.5L/ha	4	14 days before harvest
Onion	0.5L/ha	4	7 days before harvest
Carrot	0.5L/ha	2	21 days before harvest
Qualified minor use:			
Parsnip, swede and turnip	0.5L/ha	2	21 days before harvest
Shallot	0.5L/ha	4	7 days before harvest

PESTS CONTROLLED
Clayton Occupy is a ketoenol systemic insecticide which works by inhibition of lipid biosynthesis to control the sucking pests listed below:
Brussels sprouts, broccoli/calabrese, cabbage cauliflower, collards and kale : Mealy cabbage aphid (Brevicoryne brassicae), Peach potato aphid (Myzus persicae), Brassica whitefly (Aleyrodes proletella), Swede midge (Contarinia nasturtii), Thrips (Thrips tabacci).
Lettuce : Blackcurrant-lettuce aphid (Nasanovia ribis-nigri), Peach potato aphid (Myzus persicae), Lettuce root aphid (Pemphigus bursarius).
Potato : Aphids.
Onion : Onion thrips (Thrips tabacci).
Carrots :. Carrot root aphid (Pemphigus phenax), Carrot psyllids (Trioza apicalis), Willow carrot aphid (Cavariella aegopodii).
Shallot : See qualified minor use recommendation.
Parsnip, swede and turnip : See qualified minor use recommendation.

Qualified minor use recommendations: Based on limited data the control of onion thrips in shallot would be expected from applications of Clayton Occupy applied in accordance with the crop specific information section. Based on limited data the control of carrot psyllids and foliar aphids in parsnip would be expected from applications of Clayton Occupy applied in accordance with the crop specific information section. Based on limited data the control of foliar aphids in swede and turnip would be expected from applications of Clayton Occupy applied in accordance with the crop specific information section.

CROP SPECIFIC INFORMATION
Due to the mode of action, rapid knockdown of pests should not be expected. Obvious control usually occurs after 3–7 days and is dependent upon pest stage, with youngest larvae being most susceptible and adults least susceptible.
For optimum control, application should be made as soon as pests appear in the crop, so that population build up is prevented through targeting the very young larval stages as they are produced.
Through its two-way systemicity, the active ingredient spirotetramat is translocated to growing points and is able to reach hidden aphids in heart leaves and on roots. However, it is important to note that there is little movement from new leaves to older leaves, so good spray cover on older leaves will be particularly important.

Application:
Apply in a water volume of 200–600 Litres of water per hectare according to crop type and crop density.
Apply as a MEDIUM quality spray (BCPC).

Brussels sprouts, broccoli/calabrese, cabbage, cauliflower, collards and kale.
All varieties of Brussels sprouts, broccoli/calabrese, cabbage, cauliflower, collards and kale may be treated.
Apply Clayton Occupy at a rate of 0.5 L/ha as aphids or whitefly or Thrips start to build up in the crop.
Water volume of 300–600 L/ha.
Clayton Occupy may be used up to a maximum of two applications.
Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Lettuce.
All varieties of lettuce may be treated Apply Clayton Occupy at a rate of 0.5 L/ha as aphids or whitefly start to build up in the crop. Water volume of 300–600 L/ha.
Clayton Occupy may be used up to a maximum of two applications.
Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Potato.
All varieties of potato may be treated
Apply Clayton Occupy at a rate of 0.5 L/ha as aphids start to build up in the crop. Water volume: 200–400 L/ha.
Applications in potato varieties that produce flowers can only be made from the end of flowering (BBCH 69).
Clayton Occupy may be used up to a maximum of four applications.
Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Onion.
All varieties of onion may be treated. Apply Clayton Occupy at a rate of 0.5 L/ha as onion thrips start to build up in the crop. Clayton Occupy may be used up to a maximum of four applications.
Water volume: 200–600 L/ha.
Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Carrots.
All varieties carrots may be treated. Apply Clayton Occupy from 2 true leaves (BBCH 12) at a rate of 0.3 L/ha for willow carrot aphid and at a rate of 0.5L/ha for carrot psyllids and carrot root aphid as they start to build up in the crop.
Clayton Occupy may be used up to a maximum of 2 applications. Water volume of 200–600 L/ha.
Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail)

MINOR USE QUALIFICATION:
There is limited evidence of crop safety and/or product efficacy available for qualified minor uses and the commercial risk of using this product under this/ these Qualified Minor Use(s) is borne entirely by the grower.
Shallot.
Apply Clayton Occupy at a rate of 0.5 L/ha as onion thrips start to build up in the crop. Clayton Occupy may be used up to a maximum of four applications. Water volume: 200–600 L/ha. All varieties of shallot may be treated. Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Parsnips.
Apply Clayton Occupy from 2 true leaves (BBCH 12) at a rate of 0.3 L/ha for willow carrot aphid and at a rate of 0.5L/ha for carrot psyllids as they start to build up in the crop. Clayton Occupy may be used up to a maximum of 2 applications. All varieties parsnip may be treated. Water volume of 200–600 L/ha. Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail).

Swede and turnips.
Apply Clayton Occupy from 2 true leaves (BBCH 12) at a rate of 0.5 L/ha for Mealy cabbage aphid and Peach potato aphid as they start to build up in the crop Clayton Occupy may be used up to a maximum of two applications. All varieties swede or turnip may be treated. Water volume of 200–600 L/ha. Clayton Occupy works relatively slowly over a period of days, it works best when the plant vascular system is actively transporting the product and the pest species are actively feeding (see “Pests Controlled” section for more detail

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. In a spray programme Clayton Occupy should be used with other insecticides of a different mode of action, either in alternation or as a 2-spray block within the programme e.g., following a neonicotinoid seed or soil treatment. Clayton Occupy 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 Clayton Occupy 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, by using an integrated pressure rising device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

Processing Information: If the crop is intended for processing consult the processor before the use of Clayton Occupy

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