




## CLAYTON PIRIMICARB

**Contains 50 % w/w pirimicarb in water dispersible granules. A fast acting aphicide for the control of aphids in a range of agricultural and horticultural crops. MAPP 19635**

**Clayton Pirimicarb contains 500g/kg (50%) pirimicarb. Also contains sodium; 1,2-bis-(2-ethyl-hexyloxycarbonyl)- ethanesulfonate**

**Signal Word : DANGER**  
**Pirimicarb is an anticholinesterase carbamate. Handle with care Toxic if swallowed.**  
**Causes serious eye irritation**  
**Harmful if inhaled**  
**Suspected of causing cancer**  
**May produce an allergic reaction**  
**Very toxic to aquatic life with long lasting effects**

Keep out of reach of children  
 Avoid breathing dust  
 Do not eat drink or smoke when using this product  
 Avoid release to the environment  
 Wear protective gloves/eye protection/face protection  
 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
 Collect any spillage  
 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.

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

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

<b>IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE</b>			
Crop	Maximum individual dose of product	Maximum number of treatments	Latest time of application as days before harvest
Broad bean – fresh	280 g/ha	1	3
Vining pea	280 g/ha	1	7
Combining pea and field beans	280 g/ha	1	14

**Other Specific Restrictions :** Do not apply before GS51 – 1<sup>st</sup> flower buds visible.  
 This product must only be applied between 1<sup>st</sup> May and 31<sup>st</sup> August.

**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.**

### **SAFETY PRECAUTIONS Operator protection**

Pirimicarb is an anticholinesterase carbamate compound. DO NOT USE if under medical advice NOT to work with such compounds.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.

**WEAR SUITABLE PROTECTIVE CLOTHING 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.

WASH CONCENTRATE from skin or eyes immediately. WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

### 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 horizontal boom sprayers to fall within 5 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 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 qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer or broadcast airassisted 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

HARMFUL TO LIVESTOCK. Keep all livestock out of treated areas for at least 7 days. Bury or remove spillages.

### Storage and disposal

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

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

EMPTY CONTAINER COMPLETELY and dispose of safely.

<b>Approval Holder :</b> Clayton Plant Protection Ltd., Bracetown Business Park, Clonee, Dublin 15. Ireland. Tel: (00 353) 1 8210127 <a href="http://www.claytonpp.com">www.claytonpp.com</a> Email: <a href="mailto:info@claytonpp.com">info@claytonpp.com</a> <b>Marketing company in UK :</b> Clayton Plant Protection UK Ltd Contact details as above	Contents: 5 kg e  STORE IN A COOL DRY PLACE  Batch No:  <b>UN 2588</b>
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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.

## 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.**

### GENERAL INFORMATION

Best results will be obtained with CLAYTON PIRIMICARB by timely application under warm and calm conditions. Ideally sprays should be applied when chemical uptake by the plant will be at the highest, when the plants are not wilting and the spray does not dry too rapidly, for example during the morning or evening. Do not let aphid colonies become established in the crop before treatment.

### Use in IPM Programmes

**Bees:** CLAYTON PIRIMICARB may be applied to crops that are in flower but care should be taken to minimise risk to bees. Avoid spraying in the heat of the day when bees are likely to be particularly active; application should be carried out in cool periods or late in the day when bee activity is low.

**Processed crops :** Consult processors before using on crops being grown for processing

### CROP SPECIFIC INFORMATION VINING PEAS, COMBINING PEAS, FIELD BEANS

For the control of Pea Aphid and other aphid species found on peas.

**Rate of Use :** 280g/ha

**Water volume :** 200-400 litres/ha.

**Timing:** Pea aphids can infest crops at any stage of growth following emergence. Infestations are not usually serious before flowering has started, so this is the usual time for treatment.

The earliest time of use for CLAYTON PIRIMICARB in these crops is GS 51. Where Pea aphids occur in the crop CLAYTON PIRIMICARB should be applied as soon as possible to avoid a build-up of the pests. In situations where aphid attack occurs before GS 51 an alternative product should be considered. Where aphid populations continue to increase, further applications with alternative insecticides may be required.

### BROAD AND FIELD BEANS

For the control of Black Bean Aphid and other aphids on beans.

**Rate of Use :** 280g/ha

**Water Volume :** 200-400 litres/ha

**Timing :** Black bean aphids can develop rapidly on bean crops during the early summer. Early infestations can result in significant reduction in yield. The earliest time of use for CLAYTON PIRIMICARB in these crops is GS 51. Where Black bean or other aphids occur in the crop CLAYTON PIRIMICARB should be applied as soon as possible and before they become established and cause damage. In situations where aphid attack occurs before GS 51 an alternative product should be considered. Where aphid populations continue to increase, further applications with alternative insecticides may be required.

### MIXING AND SPRAYING

Apply using a conventional field crop sprayer in not less than 200 litres of water per hectare. Use a medium quality spray at a pressure of 2-3 bar. Use higher water volumes (see 'Recommendations') for dense crops and under hot conditions (25°C or above).

Mixing - Half fill the spray tank with clean water, add the required amount of CLAYTON PIRIMICARB and agitate during completion of filling. Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles 2-3 times with clean water until the foam and all traces of the formulation have been removed.

### COMPATIBILITY

Clayton Pirimicarb is physically compatible in a tank mixture with a number of other products. Ask your chemical supplier or crop adviser for further information and guidance. Mix Clayton Pirimicarb in the spray tank first. Spray all tank mixtures immediately after mixing. Clayton Pirimicarb is not compatible with magnesium sulphate.

## RESISTANCE MANAGEMENT

Long term use of a particular insecticide may result in the development of pest strains resistant to treatment with that insecticide or insecticidal group. In the UK forms of Peach-Potato aphid (*Myzus persicae*) resistant to treatment with a number of insecticides are known to occur. A number of resistance mechanisms have been identified including ones which confer resistance to carbamates (MACE resistance) CLAYTON PIRIMICARB contains pirimicarb (a carbamate) which is ineffective against MACE forms of Peach-potato aphid. Studies show that within the Peach-potato aphid population genes conferring MACE resistance are very common and as a result CLAYTON PIRIMICARB is not recommended where Peach-Potato aphid is the main pest. CLAYTON PIRIMICARB remains effective against other aphid species including Pea Aphid Black Bean aphid and many other species.

To reduce the risk of developing resistance in other aphids pests CLAYTON PIRIMICARB should be alternated with products with a different mode of action and should not be used as the sole product for controlling aphids in a crop. Where aphids resistant to products containing pirimicarb occur, CLAYTON PIRIMICARB is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

Additional information on insecticides, insecticide resistance groups and combatting the risk of resistance can be obtained from the Insecticides Resistance Action Group (IRAG). The website for IRAG can be found at: <http://www.pesticides.gov.uk/rguidance/industries/pesticides/advisory-groups/ResistanceActionGroups/irag>

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