



# CLAYTON VAULT

A soluble granule formulation containing 20% w/w acetamiprid for the control of aphid and/or whitefly on apples, pears, cherries, plums, tomatoes, peppers, aubergines and ornamentals. **MAPP 18181**

  	<p>Clayton Vault is a soluble granule formulation containing 20% w/w acetamiprid</p> <p><b>WARNING</b>  <b>HARMFUL IF SWALLOWED</b>  <b>VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS</b></p> <p>Wash hands thoroughly after handling          Do not eat, drink or smoke when using this product          Avoid release to the environment          IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell          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><b>To avoid risks to human health and the environment, comply with the instructions for use.</b></p>
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The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

<b>IMPORTANT INFORMATION : FOR USE ONLY AS A HORTICULTURAL INSECTICIDE</b>				
<b>Crops</b>	<b>Maximum individual dose</b>	<b>Maximum number of treatments</b>	<b>Latest time of application</b>	<b>Spray Interval</b>
Apples, Pears	375 g/Ha	2	14 days before harvest	20 days
Plums	250 g/Ha	2	14 days before harvest	20 days
Cherries	375 g/Ha	1	14 days before harvest	Not applicable
Ornamental plant production	250 g/Ha	2	Not applicable	20 days
<b>Protected Use</b>				
Tomatoes, Peppers, Aubergines	500 g/Ha	2	3 days before harvest	20 days
Ornamental plant production	500 g/Ha	2	Not applicable	20 days
<b>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.</b>				

<p><b>Approval Holder :</b>  <b>Clayton Plant Protection Ltd.,</b>          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></p> <p><b>Marketing company in UK</b>  <b>Clayton Plant Protection (UK) Ltd</b>          Contact details as above</p>	<p><b>Pack size : XXX e</b></p> <p><b>SHAKE WELL BEFORE USE.</b>  <b>PROTECT FROM FROST.</b>  <b>STORE IN A COOL DRY PLACE</b>  <b>Batch No : *see footnote</b></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.

\* Clayton batch numbers have complete traceability back to the original manufacturer's batch numbers and are available to CRD on request. Clayton Vault with MAPP number 18181 has been confirmed by CRD to be identical to the reference product MAPP No: 13725.

## SAFETY PRECAUTIONS

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 when handling the product, handling contaminated surfaces or applying by broadcast air-assisted equipment. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before eating and drinking/smoking/after work.

## Environmental protection



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 20m 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 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within

1m 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 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

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).

## Storage and disposal

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

PROTECT FROM FROST

## GENERAL INFORMATION

Clayton Vault is an insecticide for the control of aphids on apples, pears, plums and cherries and for the control of aphids and whitefly on tomatoes, peppers, aubergines and ornamentals.

Clayton Vault is slightly toxic to predatory mites and generally slightly toxic to other beneficials. Avoid late applications in orchards once beneficial numbers have built up. In glasshouses re-introduce beneficials 48 hours after treatment.

## **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.**

### **Apples, pears, plums, cherries:**

Clayton Vault controls a range of aphid species including rosy apple aphids. Effectiveness against woolly aphids has not been confirmed. Application should be made at the first sign of aphid attack. 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.

Consult your specialist advisor for further information. Further information on the PACE scheme is available from HDC, or see the HDC leaflet (Orchard Spraying: Opportunities to reduce rates) available on the CRD website at:

<http://www.pesticides.gov.uk/Resources/CRD/MigratedResources/Documents/H/HDC.pdf>

### **Rate of application:**

Apples, pears and cherries : apply at 250-375 g/ha. Plums : apply at 250 g/ha.

**Water rate :** 1000 – 1500 L/ha depending on tree size. Thorough coverage of the foliage is essential to ensure good control. The spray should be applied as a fine / medium spray quality, up to the point of run-off.

**Harvest interval:** 14 days

### **Tomatoes, peppers, aubergines:**

Clayton Vault will control all of the most common aphid species and both species of whitefly (glasshouse and tobacco). Application should be made at the first sign of insect attack.

A maximum of 2 applications can be made per crop. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

### **Rate of application:**

Aphids - Apply at 250 g/ha in a water volume of up to 1000 L/ha.

Whitefly; Apply at a rate of 500 g/ha in a water volume of up to 1000 L/ha.

Thorough coverage of the foliage is essential to ensure good control. The spray should be applied as a fine / medium spray quality, up to the point of run-off.

**Harvest interval:** 3 days

### **Outdoor ornamentals:**

Clayton Vault will control all of the most common aphid species. Application should be made at the first sign of insect attack. If required a second application may be applied at least 20 days after the first. A maximum of 2 applications can be made per crop. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

**Rate of application:** Aphids : Apply at 250 g/ha in a water volume of up to 1000-1500 L/ha. Thorough coverage of the foliage is essential to ensure good control. The spray should be applied as a fine / medium spray quality, up to the point of run-off.

### **Protected ornamentals:**

Clayton Vault will control all of the most common aphid species and both species of whitefly (glasshouse and tobacco). Application should be made at the first sign of insect attack. If required a second application may be applied at least 20 days after the first.

A maximum of 2 applications can be made per crop. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

**Rate of application:** Aphids: apply at 250 g/ha in a water volume of up to 1000 L/ha.

Whitefly; Apply at a rate of 500 g/ha in a water volume of up to 1000 L/ha. Thorough coverage of the foliage is essential to ensure good control. The spray should be applied as a fine / medium spray quality, up to the point of run-off.

**Mixing**

Ensure sprayer is clean. Half fill the spray tank with clean water. Add the required amount of Clayton Vault to the tank and complete filling. Keep the spray solution agitated during application.

**Resistance** : Use no more than two applications of any neonicotinoid insecticide (e.g. acetamiprid, clothianidin, imidacloprid or thiacloprid) on any crop. Where a neonicotinoid insecticide has previously been used on the crop (e.g. as a seed treatment or soil treatment), use no more than a single foliar application of a neonicotinoid. Total reliance on one pesticide will hasten the development of resistance. Pesticides of different chemical types or alternative control measures should be included in the planned programme. Alternating insecticides with different modes of action is a recognised anti-resistance strategy and Clayton Vault should always be used in conjunction with other insecticides of a different mode of action.

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