

# CLAYTON ABBA

MAPP 13808

contains 18 g/l (1.84 % w/w) abamectin with cyclohexanol in an emulsifiable concentrate

**For the control of the two-spotted red spider mite in tomatoes, cucumbers and in ornamental plant production; additionally Western Flower Thrips in cucumbers and ornamentals and leaf miner in tomatoes.**



**Harmful swallowed**

**HARMFUL**



**Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment**

**DANGEROUS FOR THE ENVIRONMENT**

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

## IMPORTANT INFORMATION

FOR USE ONLY AS A HORTICULTURAL INSECTICIDE/ACARICIDE

<b>Crop</b>	<b>Maximum individual dose of product</b>	<b>Maximum number of treatments</b>	<b>Latest time of application</b>
Tomato (protected) Cucumber (protected)	See Other Specific Restriction 1	2 pre-bloom or fruit set and 4 post-bloom or fruit set	3 days before harvest
Ornamental plant production	See Other Specific Restriction 1	-	-

### Other specific restrictions

1. The maximum concentration must not exceed 50 ml product per 100 litres water.
2. Protected tomatoes and cucumbers which are in flower or have set fruit must not be treated between 1 November and end-February.
3. Cherry tomatoes must not be treated.

**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**

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS, APRON), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, FACE PROTECTION (FACESHIELD) AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when handling the concentrate and when spraying.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, FACE PROTECTION (FACESHIELD) when handling contaminated equipment and containers and when in contact with freshly-treated materials.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

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

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

### **Consumer protection**

KEEP UNPROTECTED PERSONS OUT OF TREATED AREAS until the spray has dried.

### **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.

HIGH RISK TO BEES. DO NOT apply to crops in flower or to those in which bees are actively foraging.

Do not apply when flowering weeds are present.

### **Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place under lock and key.

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT RE-USE CONTAINER for any purpose.

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 the container safely.

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

Safety data sheet available for professional user on request.

**Clayton Plant Protection (UK) Ltd.,  
Unit F10, Bracetown Business Park  
CLONEE, Co. Meath  
Ireland.**

Tel: (00 353) 1 8210127

Contents: **1 litre**

PROTECT FROM FROST

Batch No:

This product is approved under the Control of Pesticides Regulations 1986.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains abamectin). UN 3082; Class 9; Packing group III
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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.**

### ACTIVITY

Clayton Abba, containing abamectin, is an insecticide and acaricide with contact and stomach activity. It is not systemic but exhibits translaminar movement. Clayton Abba is approved for the control of the two-spotted red spider mite in tomatoes, cucumbers and in ornamental plant production; in addition, when used at the higher rate, nymphs of the Western Flower Thrips are controlled in cucumbers and ornamentals as well as leaf miner larvae in tomatoes. Susceptible pests become inactive soon after treatment but their death may not occur until several days have elapsed following treatment.

### PROTECTED TOMATOES AND CUCUMBERS

Crop	Pest	Dose	Treatment advice
Protected tomatoes excluding cherry tomatoes.	Two-spotted spider mite, <i>Tetranychus urticae</i> .	25 ml per 100 litres water.	Treat as soon as pest is seen before damage occurs. Repeat after 7 days if necessary.
	Leaf miner larvae, <i>Liriomyza bryoniae</i> .	50 ml per 100 litres water.	Treat as soon as pest is seen or early leaf mining has occurred. Repeat after 7 days if necessary.
Protected cucumbers	Two-spotted spider mite, <i>Tetranychus urticae</i> .	25 ml per 100 litres water.	Treat as soon as pest is seen before damage occurs. Repeat after 7 days if necessary.
	Nymphs of Western flower thrip, <i>Frankliniella occidentalis</i>	50 ml per 100 litres water.	Treat as soon as pest is seen. Repeat after 7 days and again after 14 days if necessary and permissible.
<b>Restrictions</b>			
1) Crops in flower or with set fruit may only be treated from 1 <sup>st</sup> March to 31 <sup>st</sup> October inclusive. Do not treat flowering crops or crops in fruit between 1 <sup>st</sup> November and 29 <sup>th</sup> February.			
2) 2 applications pre-bloom or fruit set and 4 post-bloom or fruit set may be made per crop in total.			

### ORNAMENTAL PLANT PRODUCTION

Crop	Pest	Dose	Treatment advice
Protected and outdoor ornamentals and flower crops.	Two-spotted spider mite, <i>Tetranychus urticae</i> .	25 ml per 100 litres water.	Treat as soon as pest is seen before damage occurs. Repeat after 7 days if necessary.
	Nymphs of Western flower thrip, <i>Frankliniella occidentalis</i>	50 ml per 100 litres water.	Treat as soon as pest is seen. Repeat after 7 days and again after 14 days if necessary.
<b>Restrictions</b>			
1) Do not apply to crops in flower.			
2) Verify the safety of the treatment on all new or unusual species and varieties to which one is unaccustomed before proceeding to treat large numbers of plants.			
3) <b>Do not treat</b> ferns or Shasta daisies.			
<b>Caution</b>			
Some leaf spotting or staining may occur on some plant species. Leaf marking has occurred on Carnation, Kalanchoe and Begonia.			

### BENEFICIAL INSECTS

Clayton Abba is not recommended for use in integrated pest management (IPM) systems.

When bumble bees are employed as pollinators in tomato crops, it is recommended that their introduction is delayed for at least 24 hours after treatment of the crop.

### REPEATED USE

Too frequent use of Clayton Abba is not recommended. After two consecutive applications have been made, it is advisable to introduce an alternative product with a different mode of action into spray programmes in order to minimise the selection pressure for resistant strains.

**APPLICATION**

Apply as a high-volume spray through a hand lance fitted with appropriate nozzles using a conventional high-volume hydraulic, powered or knapsack, sprayer. Thoroughly cover the stems and both sides of the crop leaves with spray to just before the point of run-off.

**MIXING**

Half-fill the spray tank with clean water and put under agitation. Shake the product container thoroughly before pouring and mix in the required volume of Clayton Abba through the top filter or filling device. Fill the spray tank to the required level with more clean water and allow thorough mixing under agitation before use. Spray immediately after mixing and keep under agitation until sprayed out. Do not allow mixed spray to stand in the tank for long periods.

**COMPATIBILITY**

The addition of any adjuvant, sticker or wetting agent is neither required nor recommended; do not mix with any adjuvant.

**EQUIPMENT MAINTENANCE**

Immediately after use wash the spraying machine and all utensils thoroughly with clean water and a wetting agent recommended for the cleaning of application equipment.

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