


CLAYTON TINE

A fungicide for the reduction of Cavity Spot disorder of carrots.
Contains 465 g/l (44.7 % w/w) metalaxyl-M in a soluble concentrate

MAPP 19916

	Clayton Tine contains 465g/L metalaxyl-M
	WARNING Harmful if swallowed Causes serious eye irritation Harmful to aquatic life with long lasting effects Keep out of reach of children Avoid release to the environment Wear suitable protective gloves/ eye protection/face protection IF SWALLOWED call a poison centre or doctor/physician if you feel unwell 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. To avoid risks to human health and the environment, comply with the instructions for use.

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 FUNGICIDE			
Crop	Maximum individual of product	Maximum total dose of product	Latest time of application dose
Carrot	1.3 l/ha	1.3 l/ha per crop	Six weeks after drilling
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 GLOVES when handling the concentrate.

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

AFTER CONTACT WITH SKIN, WASH IMMEDIATELY with plenty of water.

TAKE OFF IMMEDIATELY all contaminated clothing.

DO NOT BREATHE SPRAY.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

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

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

IF YOU FEEL UNWELL, seek medical advice immediately (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. 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.

KEEP OUT OF REACH OF CHILDREN.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

DO NOT RE-USE CONTAINER for any purpose Add washings to sprayer at time of filling.

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

Approval Holder

Clayton Plant Protection (UK) Ltd.,
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Contents: **5 litres e**

PROTECT FROM FROST
STORE IN A COOL DRY PLACE
Batch No:

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.

INTEGRATED MEASURES AGAINST SOIL-BORNE DISEASE AFFECTING CARROTS

Clayton Tine is recommended for the protection of carrots against *Pythium spp.*, associated with the occurrence of Cavity Spot, as a complementary treatment in an integrated approach to good agricultural practice. A variety of carrot displaying maximum resistance to Cavity Spot disorder is preferred to mitigate the effects of the disorder, although all varieties may be treated. Amongst other measures, a sound rotation is paramount; do not use Clayton Tine on crops of carrots being grown on land that has produced carrots or a root crop supporting or prone to *Pythium spp.*, more than once in eight years. Disease control is likely to be reduced on land bearing raised levels of inoculum however caused. Some wastes and crop residues may increase the speed of metalaxyl-M degradation by enhancing microbial activity, leading to reduced persistence and hence lower overall efficacy. Best control of Cavity Spot is likely to be achieved on well-drained mineral soils of good structure; satisfactory results may not be obtained on soils of high organic matter status. Furthermore, crops treated with Clayton Tine and lifted early, before winter, are likely to be affected less by Cavity Spot disorder than similarly treated crops lifted during the winter.

RESISTANT STRAINS OF DISEASE

Metalaxyl-M is a phenylamide systemic fungicide. If strains of *Pythium spp.* resistant to metalaxyl-M occur or develop, Clayton Tine may be rendered ineffective resulting in crop loss. The principal pathogen causing Cavity Spot, *Pythium violae*, is normally sensitive to metalaxyl-M; however a less important pathogen, *Pythium sulcatum*, is not sensitive to metalaxyl-M.

RATE OF APPLICATION

Apply Clayton Tine at 1.3 litres per ha in 1000 litres of water per ha. Make only one application per crop.

TIMING, APPLICATION AND CONDITIONS

Apply the recommended dose through a conventional hydraulic sprayer to give uniform ground cover as soon as practicable after drilling the crop, in any event not later than six weeks after drilling. Crop growth stage at application is immaterial. Application to a moist soil gives the best results but heavy rain falling soon after application may reduce efficacy. Adequate soil moisture after application is needed to maintain fungicidal activity; efficacy is likely to be reduced in dry soils.

MIXING

Shake the container before opening. Half-fill the sprayer tank with clean water. With the contents of the spray tank under agitation, add the required quantity of Clayton Tine. Maintain agitation whilst topping up the tank to the required level and until the completion of spraying. Spray immediately after mixing. Wash all equipment thoroughly immediately after use.

PROCESSED CROPS

Processors should be consulted before treating crops intended for processing.

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. Drain the spray tank, hoses and booms completely and rinse 2-3 times with clean water using at least 10% of tank volume. It is essential to remove all traces of the fungicide, including foam, from the sprayer. Finally pump out through the spray lines and drain the tank fully before allowing the equipment to dry.

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.