

CLAYTON SOLSTICE

MAPP 13943

A suspension concentrate containing 500 g/l (38.4 % w/w) fluazinam

Fungicide for the protection of potatoes against potato blight.



IRRITANT

**May cause sensitisation by skin contact
Irritating to eyes**



**DANGEROUS FOR THE
ENVIRONMENT**

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

Crops	Maximum individual dose of product	Maximum total dose of product
Potato	400 ml/ha	3 l/ha

Other specific restrictions

A minimum interval of five days must be observed between applications at 300 ml/ha.

A minimum interval of seven days must be observed between applications at 400 ml/ha.

**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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) 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.

Wear suitable gloves.

AVOID CONTACT WITH SKIN.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

TAKE OFF IMMEDIATELY all contaminated clothing.

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 (show label where possible).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with PSD published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

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 Environmental 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.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

DO NOT REUSE CONTAINER for any purpose.

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

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.

This product is approved under the Control of Pesticides Regulations (as amended).

Approval holder: Clayton Plant Protection Ltd

Marketed by: Clayton Plant Protection (UK) Ltd.

Unit F10

Bracetown Business Park

CLONEE

PROTECT FROM FROST

Co. Meath

SHAKE THOROUGHLY BEFORE USE

Ireland.

Tel: (00 353) 1 8210127

Batch No:

Contents: **5 litres**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains fluazinam); 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.

For the protection of potatoes against potato blight, *Phytophthora infestans*.

A comprehensive potato blight protection policy, both cultural and fungicidal, should be adopted to achieve maximum protection from this disease. In addition to varietal choice, cultural measures should include the destruction of neighbouring potato volunteers and the prevention of all regrowth from potato dumps. Tubers must be protected from direct infection by a generous covering of soil over the ridges. Early crops should receive protective blight sprays to the point of harvest to prevent them from being a source of infection to nearby main crops.

Treatment advice	Dose
<p>Start the blight protection programme before blight infects the crop. Apply the first spray before the leaves meet within the rows or immediately a blight warning has been issued for the location. Make repeat applications at 5-14 day intervals using the shorter interval when the risk of blight is higher, e.g. following two consecutive moist, warm days or in irrigated crops. When the blight threat is very high, e.g. owing to nearby volunteer potato plants or infected crops, spray at 5-7-day intervals. End the spray programme 7 days before harvest or when the crop ceases growth or shortly before desiccation.</p> <p>Note: when severe blight attacks are experienced, total protection may not be achieved, but the progress of the disease will be slowed.</p>	<p>300-400 ml/ha in 200-500 l/ha water.</p> <p>Use sufficient water to enable thorough coverage of the haulm with the spray.</p>
Treatment summary	
<p>Crops subject to highest blight challenge/severe risk Reduce the spray interval to 5-7 days.</p>	<p>5-7 day spray interval 300 ml/ha 7 day spray interval 400 ml/ha</p>
<p>Crops subject to average-high blight challenge and irrigated crops/high risk Treat every 7-10 days.</p>	<p>7-10 day spray interval 400 ml/ha</p>
<p>Crops in areas of low blight risk or challenge Treat every 14 days.</p>	<p>14 day spray interval 300-400 ml according to perceived risk</p>

The total dose applied per crop must not exceed 3 litres product per ha.

SPRAY APPLICATION

Apply the recommended dose through a conventional hydraulic sprayer as a MEDIUM spray (BCPC) produced at a minimum 2 bar. Ensure good cover of the crop leaves and stems. Increase the spray volume in line with haulm growth so that the highest spray volume is applied to the most dense crops and/or when the blight threat is highest. Apply to dry foliage when rain is not forecast. Treat irrigated crops after irrigation when the foliage has dried.

Note

Persons sensitive to fluazinam should not be involved with the application of this product. Persons without suitable protective clothing covering the skin should not enter treated crops.

SPRAY MIXING AND USE

Invert the container several times and shake thoroughly before use. Half-fill the spray tank with clean water and put under agitation. Mix in the required volume of Clayton Solstice through the top filter or filling device. Top up the tank with water and keep under agitation until sprayed out. Do not allow mixed spray to stand. When co-applying with compatible products, add each separately to the spray tank.

COMPATIBILITY FOR CO-APPLICATION

Clayton Solstice is compatible for co-application in tank-mixture with certain approved pesticides. Consult your distributor for advice on compatible tank-mixtures. Comply with the Directions for Use of the partner product and of this label. Spray immediately after mixing.

PROCESSED CROPS

Consult processors before treating crops being grown for processing.

DISEASE RESISTANCE

The repeated use, within a local area, of fungicides with the same mode of action can result in the dominance of disease strains less sensitive or resistant to that fungicide group. The efficacy of Clayton Solstice is likely to be reduced if strains of disease less sensitive to fluazinam develop. Whenever possible spray programmes should include fungicides with differing modes of activity. Clayton Solstice may be used in spray programmes with fungicides from different chemical groups.

SUBSEQUENT CROP MANAGEMENT

On cessation of the blight control programme, apply an approved haulm desiccant and wait at least 10 days after the complete desiccation of leaves and stems before lifting. This is essential for crops to be stored.

AFTER USE

Immediately after use, thoroughly clean the sprayer and utensils with water and a cleaning agent recommended for the cleaning of spraying equipment.
