

# TOPGUN

A suspension concentrate formulation (SC) containing 160 g/l cyazofamid.

GROUP 21 FUNGICIDE

## A protectant fungicide for the control of potato late blight (*Phytophthora infestans*) (foliar protection)

### RISK AND SAFETY INFORMATION



UFI: 6FMY-E197-S00G-886U

CLAYTON TOPGUN: A suspension concentrate formulation (SC) containing 160 g/l cyazofamid.

#### DANGER

Causes serious eye damage.

Toxic to aquatic life with long-lasting effects.

Wear eye protection, face protection, protective clothing, protective gloves. Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

Avoid release to the environment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean triple-rinsed containers which can be disposed of as non-hazardous waste.

In the event of an emergency, call the National Poisons Information Centre, Beaumont Hospital: 01-8092166 or 01-8379964

To avoid risks to human health and the environment, comply with the instructions for use. Contains the reaction mixture of 5-chloro-2-methylisothiazol- 3(2H)-one and 2-methylisothiazol-3(2H)-one (3:1); 2-methylisothiazol-3(2H)-one.

May cause an allergic reaction.

FOR PROFESSIONAL USE ONLY

PCS 07558

PROTECT FROM  
FROST

STORE IN A COOL  
DRY PLACE

SHAKE THOROUGHLY  
BEFORE POURING

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### 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 AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

AVOID CONTACT WITH EYES. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. IF YOU FEEL UNWELL, seek medical advice IMMEDIATELY and show this container or label.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

#### Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

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).

Do not empty into drains.

Use appropriate containment to avoid environmental contamination.

#### Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD AND DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add to sprayer at time of filling and dispose of safely.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

CLAYTON TOPGUN must be kept dry and frost proof in a suitable pesticide store.

THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

#### IMPORTANT NOTES:

DO NOT ALLOW THE SPRAY SOLUTION TO STAND OVERNIGHT.

Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other products.

Spraying equipment should be calibrated prior to use to ensure accurate application.

Avoid spray drift onto neighbouring crops.

WASH EQUIPMENT thoroughly immediately after use.

Fill the tank with clean water and leave overnight.

Spray out before storage or using other products.

IMPORTANT INFORMATION - FOR USE AS AN AGRICULTURAL FUNGICIDE				
Crops	Maximum individual dose	Maximum number of treatments	Maximum total dose	Time of application
Potatoes (seed and ware)	500 ml/ha	6 per crop	3 L/ha	From 10 BBCH to 95 BBCH. Latest 7 days before harvest
<b>Specific diseases controlled:</b> Foliar late blight ( <i>Phytophthora infestans</i> ) in potatoes. To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.				
<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>				

## DIRECTIONS FOR USE OF CLAYTON TOPGUN

**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.

### RESISTANCE MANAGEMENT:

CLAYTON TOPGUN contains cyazofamid which is a member of the Qil fungicide group (FRAC code 21).

DO NOT apply more than six sprays of CLAYTON TOPGUN per crop.

Apply Oil fungicides preferably in a preventive manner.

In a programme of blight fungicide sprays, use a maximum of three consecutive applications of CLAYTON TOPGUN. If further treatments are required, use at least three applications of fungicides having different modes of action to CLAYTON TOPGUN before applying further CLAYTON TOPGUN.

Apply a maximum of 50 % of the total number of intended applications for late blight control during one crop cycle. Alternation with fungicides having other modes of action is recommended in spray programmes.

Apply Oil fungicides according to manufacturers' instructions.

Consult your distributor or specialist adviser if guidance is required.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crops and use connected ways of influencing this. To minimize an loss in activity the recommended rate should in all events be adhered to.

### DISEASES CONTROLLED

CLAYTON TOPGUN is a fungicide with activity against fungi from the class of Oomycetes, especially against *Phytophthora infestans*. It is a protectant fungicide and as such it should be applied before blight enters the crop. Depending on the disease pressure, good protection against the disease can be expected over a period of 5 to 10 days.

### CROP SPECIFIC INFORMATION

#### Timing of application:

The first application against potato late blight should be made preventatively, when warning systems forecast a significant disease risk situation; usually this is when the potato leaves meet along the rows (row closure).

#### Rate of application:

Apply 0.5 L/ha of CLAYTON TOPGUN. The max. number of applications for CLAYTON TOPGUN is 6.

### Volume, spray quality and application method:

CLAYTON TOPGUN should be applied in 200-400 L of water per ha as a MEDIUM spray quality as defined by BCPC. CLAYTON TOPGUN should be applied via tractor mounted/trailed horizontal boom sprayer and must be applied evenly.

#### Spray schedule

Use according to disease warning systems or on a systematic program with repeated applications.

During periods with heavy disease pressure and during rapid development of the potato haulm, or where crops are irrigated, the sprays should be repeated every 6 to 7 days. In case of exceptional disease pressure, the intervals can be slightly shortened to a 5 day spray interval. Under low disease pressure, especially after flowering, the spray should be repeated at least every 10 days.

**Pre harvest interval:** 7 days

### MIXING

Add a minimum of 50% of the required water into the spray tank and agitate when adding the required amount of CLAYTON TOPGUN. Finally add the remainder of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required.

On emptying the container, 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 container safely.

### SELECTIVITY

CLAYTON TOPGUN is very selective in potato crops. The use will not cause any adverse effect on the crops.

### TANK CLEANING

Ensure that no or only a minimal quantity of product remains in the spraying tank after field application. Upon completion dilute the remainder of the spray solution with the tank cleaning water and spray the diluted rest onto the target crop area. Any spillage should be collected and disposed of in appropriate chemical waste. In no way should contamination of waterways or surface water be allowed to occur.

Thoroughly wash out all remaining equipment after use. Rinse the spray tank with fresh water and spray the further diluted rest onto the target crop area.

### 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.