

# MIDAS

An emulsion in water formulation containing 50g/l cyflufenamid

## For the control of powdery mildew on a range of cereal crops

### RISK AND SAFETY INFORMATION

CLAYTON MIDAS An emulsion in water formulation containing 50 g/l cyflufenamid.



#### WARNING CLAYTON MIDAS TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Avoid release to the environment.  
Wear protective gloves.  
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.

To avoid risks to human health and the environment, comply with the instructions or use.

PCS No. 06375

### IMPORTANT INFORMATION - FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Barley, Durum wheat, Oats, Rye (winter), Triticale, Wheat
Maximum individual dose:	0.5 l product per hectare
Maximum number of applications:	2 per crop
Latest time of application:	Before the start of flowering (GS60)

**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**

**SHAKE THOROUGHLY  
BEFORE USE  
PROTECT FROM FROST**

**1 Litre e**

### 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.  
**WHEN USING DO NOT EAT, DRINK OR SMOKE.**

#### Environmental protection

Do not contaminate water with the product or its container.  
Do not clean applicator equipment near surface water.  
Avoid contamination via drains from farmyards and roads.

#### Storage and disposal

**RINSE CONTAINER THOROUGHLY** by using an integrated pressure device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.  
**DO NOT RE-USE EMPTY CONTAINER** for agricultural purposes.  
**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.**  
**KEEP OUT OF THE REACH OF CHILDREN.**

### DIRECTIONS FOR USE

#### READ CAREFULLY BEFORE OPENING THE BOTTLE

**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 use and successful use of this product.  
**Clayton Midas** is a protectant fungicide with curative activity against Powdery mildew on a range of cereal crops.

#### Crop safety and timing:

**Clayton Midas** can be used on all varieties of wheat, barley, oats, rye (winter), durum wheat, triticale from the beginning of stem elongation and before the start of flowering (GS60).

#### Mixing:

Half fill the spray tank with clean water. Commence agitation. Add the recommended quantity of **Clayton Midas** to the spray tank. Complete filling and maintain agitation of the solution before and during spraying until the tank is empty.

**Rate, water volume and application:** Rate: 0.5L **Clayton Midas** per hectare per application

#### Maximum number of applications:

A maximum of two applications of **Clayton Midas** may be applied to any one crop.

**Water Volume:** A water volume of 200-400 litres per hectare is recommended. It is important to ensure that good overall coverage of the plant is achieved. Where the crop is dense, the higher water volume should be used. Where the crop is very open, the lower water volume may be used.

**Spray quality:** FINE or MEDIUM (as defined by the BCPC) using a conventional hydraulic sprayer.

#### Time of application:

For best results **Clayton Midas** should be applied at the first visible signs of infection by Powdery mildew. For disease control other than Powdery mildew, **Clayton Midas** should be tank mixed with a broad-spectrum fungicide (see Compatibility section for approved tank mix partners). Where disease pressure remains high or re-infection occurs, a further application of **Clayton Midas** can be made to the crop. **Clayton Midas** should be applied in the spring only.

**Latest time of application:** Before the start of flowering (GS60).

#### Compatibility

**Clayton Midas** can be tank mixed with a number of fungicide products to broaden the disease spectrum. The other product labels should be checked thoroughly prior to use to ensure that the crops, timing and any other restrictions on them are appropriate for use with **Clayton Midas**. Tank mixes should not be allowed to stand in the tank and agitation must be maintained at all times. Refer to your distributor or advisor for further information regarding compatibility and crop safety. The crop safety of tank mixes has only been established on winter wheat and winter barley. On winter wheat, some transient chlorosis/necrosis has been recorded which has not affected final yield.

#### Resistance management.

The mode of action of cyflufenamid is different to that of fungicides from other groups. There are no known cases of cross resistance to cyflufenamid in pathogens that have developed reduced sensitivity to other fungicides. Disease control may be reduced if strains of pathogens less sensitive to cyflufenamid develop. Guidelines issued by FRAC may help to reduce the onset of resistant strains:

- Apply **Clayton Midas** at the start of foliar disease attack.
- **Clayton Midas** must be used as part of an Integrated Crop Management programme that includes use in alternation or tank mixture with fungicides with different modes of action effective against powdery mildew AS WELL AS non-chemical methods of disease management.
- Do not apply consecutive applications of products containing cyflufenamid.
- Apply according to manufacturer's recommendations at the specific crop growth stage indicated.
- Apply a maximum of 2 sprays per cereal crop.

**Rainfastness:** **Clayton Midas** is rainfast within one hour.

#### Restrictions:

Do not apply **Clayton Midas** to crops under stress from drought, waterlogging, cold, pests or diseases, nutrient or lime deficiency or other factors reducing plant growth.

**Succeeding and replacement crops:** There are no restrictions on the planting of any succeeding or rotational crop following the application of **Clayton Midas**.

**Spray tank clean-out:** Immediately after spraying **Clayton Midas**, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with water and a suitable commercially available cleaning agent. Rinse inside of tank with clean water and cleaning agent and flush through boom and hoses using at least one tenth of the spray tank volume. Drain completely. Repeat rinsing as above. Do not contaminate surface waters or ditches with rinse water or empty containers.

**Warning:** Avoid spray drift onto ponds, waterways and ditches.

#### 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.