

# MONDELLO

A suspension concentrate (SC) based on 700 g/l (58.1% w/w) metamitron

**For the selective contact and residual pre- and post-emergence control of annual broad-leaved weeds and annual meadow grass in sugar beet, fodder beet, red beet and mangels**

**FOR USE AS AN AGRICULTURAL HERBICIDE  
FOR PROFESSIONAL USE ONLY**

**SAFETY INFORMATION**

**WARNING**

**Harmful if swallowed**  
**Very toxic to aquatic life with long-lasting effects**

Do not eat drink or smoke while using this product.

Wear protective gloves/protective clothing/eye protection/face protection

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.

Wash hands thoroughly after handling.

Avoid release to the environment.

Collect spillage.

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.

Contains 1,2 benzisothiazolin-3-one.

May produce an allergic reaction.

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

PCS 06626



| Crop/situations  | Maximum individual dose (L product/ha) | Maximum total dose (L product/ha) | Latest time of application  |
|--|--|-----------------------------------|-----------------------------|
| <b>Pre-Emergence Only Programme:</b>   |  |                                   |                             |
| Sugar beet, fodder beet, red beet, mangels   | 3.0                                    | 3.0                               | Pre-emergence               |
| <b>OR Post-Emergence Only Programme:</b>   |  |                                   |                             |
| Sugar beet, fodder beet, red beet, mangels   | 3.0                                    | 4.0                               | Post-emergence (BBCH 10-39) |
| <b>Pre-Emergence and Post-Emergence Programme:</b>   |  |                                   |                             |
| Sugar beet, fodder beet, red beet, mangels   | 2.0                                    | 2.0                               | Pre-emergence               |
|  | 0.75                                   | 3.0                               | Post-emergence (BBCH 10-39) |
| <b>OTHER SPECIFIC RESTRICTIONS:</b>  |  |                                   |                             |
| 1. When used in a pre-emergence and post emergence programme the maximum total dose must not exceed 5.0 L/ha |  |                                   |                             |
| 2. Beet leaves or crop may not be fed to livestock for 60 days after application.                            |  |                                   |                             |

**SAFETY PRECAUTIONS**

**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).

**PROTECT FROM FROST. SHAKE WELL BEFORE USE**

**5 Litre e**

For Batch Number and Manufacturing Date: see bottle.

Approval holder:  
**Clayton Plant Protection Ltd**  
Bracetown Business Park  
Clonee  
Dublin 15  
Ireland  
info@claytonpp.com  
Tel: (00 353) 1 8210127  
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**In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964**

## DIRECTIONS FOR USE OF CLAYTON MONDELLO

**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.

### RESTRICTIONS/WARNINGS

- CLAYTON MONDELLO** can be safely applied to all varieties of sugar beet, fodder beet, red beet and mangels, when applied as recommended, to stress free crops.
- When crops are under stress such as very wet conditions, intense sunlight, sudden temperature fluctuations, disease and insect attack, nutrient deficiency, wind damage or stress or damage from previous pesticide application, then tolerance may be reduced.

### CROP SPECIFIC INFORMATION

Apply **CLAYTON MONDELLO** in a spray programme. One pre-emergence application can be made, which may be incorporated. Follow the pre-emergence application with a post-emergence programme. Please refer to the pre- and post-emergence application sections for specific information. Application should be made as a repeat overall low dose programme. For residual activity and efficacy to be optimum, a full programme of sprays is recommended.

Cotyledon tip scorch may occasionally result because beet plants are very sensitive to herbicide treatment if under stress.

**Method of application:** Tractor mounted hydraulic sprayer.

**Forward Speed:** A forward speed for spraying of 8 kph (5mph) should not be exceeded.

**Pressure:** 2.5-5 bar.

### Pre-Emergence Only Programme

One application of **CLAYTON MONDELLO** may be applied pre-drilling, incorporated, or pre-emergence. Satisfactory results depend on the availability of adequate soil moisture. A firm, even seedbed is essential.

**Rate of use:** 2-3 litres **CLAYTON MONDELLO** per hectare in 100 to 200 litres of water.

**Timing:** **CLAYTON MONDELLO** may be applied pre-emergence at any stage from sowing up to crop emergence; improved results are achieved when soil moisture is available.

Pre-emergence applications can be followed by a post-emergence low dose programme (see Pre-Emergence and Post-Emergence Spray Programme section below).

### Post-Emergence Only Programme

Post-emergence treatments should be applied in mixture with an adjuvant oil (or alternative tank-mix partner product) as part of a low dose programme.

Applications can be made up until the crop foliage meets across the rows. Application timing is critical to the size of the weed. Make the first application when weeds are at the early cotyledon stage. Subsequent applications should be made when new flushes of weeds are also at the early cotyledon stage. Weed populations on organic soils are naturally higher and emerge more quickly than on mineral soils, thus the first **CLAYTON MONDELLO** treatment should be made at the very early cotyledon stage. All following applications of **CLAYTON MONDELLO** mixes should be made at the recommended rate and timing when flushes of weeds reappear.

**Rate of use:** Apply a maximum of 4L product/ha per crop.

- Apply up to 3L **CLAYTON MONDELLO**/ha in combination with adjuvant oil up to a maximum total dose of 4 L product/ha per crop with a minimum application interval of 7 days#
  - Apply 1.5L product/ha in combination with 3L/ha phenmedipham (160 g/l) up to a maximum total dose of 4L product/ha per crop with a minimum application interval of 10 days
  - Apply 3L product/ha in combination with adjuvant oil#
- # Application in combination with oil is not permitted in red beet. Please refer to instructions on label of mixing partner(s) for further details on crop restrictions, application timings and application rates. All other requirements and restrictions on the partner product label(s) should be adhered to.

### Pre-Emergence and Post-Emergence Programme

**Rate of use:** Apply up to 2L product/ha pre-emergence of the crop. This pre-emergence application can be followed by individual post-emergence applications up to 1.5 L product/ha in combination with adjuvant oil. **CLAYTON MONDELLO** is used in a pre-emergence and post-emergence programme the maximum total dose must not exceed 5.0 L product/ha per crop.

**Application interval:** Maintain an interval of at least 14 days between the pre-emergence and post-emergence application. Maintain an interval of at least 5 days between post-emergence applications.

Subsequent applications should be made as new flushes of weeds appear, which is usually around 7-10 days after the previous application.

### WEED CONTROL

#### Specific Weed Situations

Scutch and other grass weeds where **CLAYTON MONDELLO** has been used in a tank mix with phenmedipham/ethofumesate a following application of an approved graminicide for sugar or fodder beet may be used in accordance with manufacturer's guidelines.

#### Soil Preparation

Prepare a firm, fine seedbed for best results. Drill to normal depth to ensure seed is well covered. Do not roll or harrow treated soil as this may lead to germination of another flush of weed from disturbed soil.

Best results will be achieved if the soil is moist. Weed control may be reduced under very dry conditions.

#### Crop Tolerance

Consistent weed control can be achieved with **CLAYTON MONDELLO** in conjunction with a high level of safety towards beet. If however, the beet plant is under stress due to factors such as: previously applied pesticides and herbicides (other than **CLAYTON MONDELLO** pre-emergence), sudden temperature fluctuations, intense sunlight, high temperature at application, prolonged cold spell, wind damage, nutrient deficiencies (i.e. manganese), disease and insect attack, cotyledon tip scorch may occasionally result because beet plants are very sensitive to herbicide treatment if under stress.

For residual activity and efficacy to be optimum, a full programme of sprays must be used since the residual activity is dependent on the cumulative rate of **CLAYTON MONDELLO** applied.

### FOLLOWING CROPS

If a treated crop fails for any reason, only sugar beet, fodder beet and mangels should be sown within four months of the last application of **CLAYTON MONDELLO**.

After harvesting crops treated with **CLAYTON MONDELLO**, the land should be mould-board ploughed to a depth of 15cm before planting any crop. Winter cereals may then be sown, providing at least 16 weeks have elapsed from the last application of **CLAYTON MONDELLO**. In the following spring, any spring crop can be drilled or planted.

### MIXING AND SPRAYING

On emptying the container, rinse container thoroughly by using an integrated pressure rinsing device or manually rinsing three times. Advise washings to sprayer at time of filling and dispose of container safely.

Half fill the sprayer tank with clean water. Begin agitation and add the required quantity of **CLAYTON MONDELLO** to the sprayer tank. Then add the adjuvant oil and/or other herbicide.

Fill the spray tank whilst agitating and maintain agitation until spraying is completed. When spraying take care to avoid drift onto neighbouring crops, buildings or non-target plants.

After spraying drain the tank completely and thoroughly clean the inside of the tank. Flush the tank, hoses and boom with clean water for at least 5 minutes.

Partially fill the tank with clean water and add a cleaning agent if necessary. Complete filling the tank with water, then flush the cleaning solution through the hoses, boom and nozzles. Repeat this procedure with clean water.

Remove the nozzles and screens and clean separately in a bucket containing water (and cleaning agent).

### COMPATIBILITY

For information on compatibility with other products please Consult your agronomist

### CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable. However, as we cannot exercise control over their storage, handling, mixing, use or of the 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.