



Approval Holder:

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# LAUNCH

An emulsifiable concentrate containing 212.5 g/l dimethenamid-P and 250 g/l pendimethalin.

**A herbicide for the control of grass and broad-leaved weeds in forage and grain maize**

**5 Litres e**

	<p><b>Risk and Safety Information</b></p> <p><b>Danger</b></p> <p><b>Causes skin irritation.</b></p> <p><b>Harmful if swallowed.</b></p> <p><b>May cause an allergic skin reaction.</b></p> <p><b>May be fatal if swallowed and enters airways.</b></p> <p><b>Very toxic to aquatic life with long lasting effects.</b></p> <p>Wear protective gloves.</p> <p>Avoid breathing vapours.</p> <p>IF SWALLOWED: Immediately call POISON CENTRE or doctor/physician. Do NOT induce vomiting.</p> <p>Seal locked up.</p> <p>Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple-rinse empty containers which can be reused as non-hazardous waste.</p> <p>To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.</p> <p><b>Do not avoid risks to human health and the environment, comply with the instructions for use.</b></p> <p style="text-align: right;"><b>PCS 06376</b></p>						
	<p><b>FOR USE ONLY AS AN AGRICULTURAL HERBICIDE, as directed below:</b></p> <table border="1"> <tr> <td><b>CROPS:</b></td> <td>Forage maize and grain maize (grown in the open and under plastic mulches)</td> </tr> <tr> <td><b>MAXIMUM TOTAL DOSE:</b></td> <td>4L product/ha/crop</td> </tr> <tr> <td><b>LATEST TIME OF APPLICATION:</b></td> <td>Before 5th true leaf stage (GS15)</td> </tr> </table> <p><b>READ THE LABEL BEFORE USE</b></p>	<b>CROPS:</b>	Forage maize and grain maize (grown in the open and under plastic mulches)	<b>MAXIMUM TOTAL DOSE:</b>	4L product/ha/crop	<b>LATEST TIME OF APPLICATION:</b>	Before 5th true leaf stage (GS15)
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<p><b>PRECAUTIONS</b></p> <p>Avoid contact with skin</p> <p>WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.</p> <p>WHEN USING DO NOT EAT, DRINK OR SMOKE. IF YOU FEEL UNWELL seek medical advice (show the label if possible).</p> <p>DO NOT ALLOW DRIFT SPRAY from ground crop sprayers to fall within 5m of the top of the bank of a static or flowing waterbody or within 1m of a ditch which is part of the site of application.</p> <p>Direct spray away from water. To protect aquatic organisms respect an unsprayed buffer zone of 5m to water bodies.</p> <p>KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.</p> <p>KEEP OUT OF REACH OF CHILDREN.</p> <p>KEEP IN ORIGINAL CONTAINER tightly closed, in a safe place.</p> <p>DO NOT REUSE CONTAINER for any purpose</p> <p>On emptying the container, RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.</p> <p>Add washings to sprayer at time of filling and dispose of container safely. 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.</p> <p>For professional use only</p> <p><b>STORAGE</b></p> <p>Store in a suitable pesticide store, keep dry and protect from frost.</p>							

**Conditions of Supply:** All goods supplied by us are of high grade and we believe them to be suitable but as we cannot exercise control over their storage handling mixing or 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.

**PROTECT FROM FROST  
SHAKE THOROUGHLY BEFORE USE**

**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 LAUNCH

**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.**

### 1. Restrictions/Warnings

#### Efficacy.

Some soil moisture must be present for **Clayton Launch** to be activated. Best results will be obtained if rainfall occurs within seven days of application.

Residual control may be reduced: - under prolonged dry conditions  
- on soils with a high Kd factor - where organic matter exceeds 6% - where ash content is high.

DO NOT disturb the soil after **Clayton Launch** has been applied as this will result in reduced weed control. Where cultural techniques which encourage the build-up of organic residues in the surface soil are practised, for several seasons the effectiveness of residual herbicides may be reduced. In such circumstances periodic ploughing is recommended to disperse residues into a greater volume of soil.

#### Soil types

**Clayton Launch** may be used on all mineral soil types. DO NOT use on soils with more than 10% organic matter. On stony or gravelly soils there is a risk of crop damage, especially if heavy rain falls soon after application. Do not use on waterlogged soil or soils prone to water logging

#### Seedbed preparation

Trash and straw should be incorporated evenly during seedbed preparation. Seedbed must have a fine, firm tilth. Consolidate loose or cloddy seedbeds before use. Following pre-emergence applications, unconsolidated clods (especially if larger than 75mm (3") diameter) may reduce the level of weed control and cause seed to be inadequately covered, which could result in crop damage.

#### Crop safety

Extreme care should be taken to avoid damage by drift spray, plain outside the target area. Do not apply **Clayton Launch** to crops suffering from stress, which may be caused for example by pests, disease, water logging, poor seedbed conditions or previous chemical treatment. Seed should be covered with a minimum of 5 cm of settled soil. Shallow drilled crops should be treated post-emergence. Care should be taken to avoid overlap of spray swaths. Do not soil incorporate. Do not undersow crops treated with **Clayton Launch**.

#### Other Restrictions/Warnings.

Consult your processor if planning to use **Clayton Launch** on crops to be processed.

Concentrated or diluted **Clayton Launch** will stain. Staining is minimised or completely removed if skin and clothes are washed immediately.

Avoid spillage.

Hose down machinery immediately after use with a spray tank cleaner.

For use by tractor mounted/trailed sprayer only.

Professional use only.

### 2. Weed Control

#### 2.1 Forage Maize and Grain Maize

Weed Name	Pre-emergence 4.0 L/ha	Post-emergence 4.0 L/ha
Annual Meadow-grass	S	S to 2 lvs
Black-bindweed	S	S to 2 lvs
Black Nightshade	S	S to 3 lvs
Charlock Common	S	S to 2 lvs
Chickweed Common	S	S to 4 lvs
Poppy Common	MS	-
Orache	S	MS to 2 lvs
Corn Marigold	S	-
Fat Hen	S	S to 2 lvs
Field Forget-me-not	MS	-
Field Pansy	MS	-
Groundsel	MS	R
Hemp-nettle (Day Nettle)	S	-
Henbit	S	-
Dead Nettle	S	-
Knotgrass	S	S to 2 lvs
Pale Persicaria	S	-
Parsley Pieris	S	-
Red Dead-nettle	S	-
Redshank	S	S to 2 lvs
Scarlet Pimpernel	S	-
Spent Mayweed	S	S to 2 lvs
Scott's Mayweed	S	S to 2 lvs
Shepherd's Purse	S	S to 2 lvs
Purse	S	S to 2 lvs
Smooth Sowthistle	MS	-
Speedwells	S	S to 2 lvs
Volunteer Oilseed Rape	S	-

S Susceptible. MS Moderately susceptible. R Resistant. - No data

#### 2.2 Resistance management

Strains of some annual grasses (eg Black-grass, Wild-Oats, and Italian Ryegrass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

#### 3. Crop specific information

**Clayton Launch** can be used on all varieties of forage maize and grain maize.

Rate: 4.0 l/ha

Water volume: 200-400 litres/hectare.

Timing: Pre-emergence to before 5th true leaf stage (GS 15) of the crop. For optimum efficacy, apply pre-emergence.

When applied post-emergence of the maize, apply at any time from the first true leaf (GS 10) to before 5th true leaf stage (GS 15).

**Notes:** Do not use on maize grown for seed.

Seed must be covered by a minimum of 5cm of settled soil. The use of **Clayton Launch** may affect the full development of crown roots which function only to anchor the plant. This has no effect on the yield of maize.

If application is followed by a period of dry conditions or in situations where very heavy weed populations occur, a sequence of **Clayton Launch** and a product applied post-emergence may be necessary.

#### 4. Following Crops

##### 4.1 Following crops after normal harvest

Before ryegrass is drilled after a very dry season, plough or cultivate to at least 15cm.

For crops other than cereals plough or cultivate to at least 15cm.

##### 4.2 In the event of crop failure

In the event of crop failure the land must be ploughed or thoroughly cultivated to a minimum depth of 15cm to ensure any residues are evenly dispersed throughout the soil. The minimum intervals (specified below) should elapse between application of **Clayton Launch** and the sowing of one of the following crops listed below.

Minimum intervals. In the event of crop failure, the following crops may be drilled:

2 months	Spring Field beans, Broad beans, Dwarf beans, Brussels sprouts, Cabbage, Calabrese, Carrots, Cauliflower, Parsnips, Parsley, Peas, Linseed, Turnip
5 months	Any crop (with the exception of Red Beet, Sugar Beet and Spinach) may be planted or sown
12 months	Red Beet, Sugar Beet and Spinach

#### 5. Mixing and Application

##### 5.1 Mixing

Never prepare more spray solution than is required. Half fill the tank with clean water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of **Clayton Launch** to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed. When tank mixes are to be used, take due note of any instructions given as to the order of mixing. Each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s). 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.

This product may only be used in a tank mix or in sequence with other products when these uses comply with the label recommendations of every product in the tank mix/sequence.

##### 5.2 Application

Ensure good, even spray cover of the target using a FINE or MEDIUM quality spray, as defined by BCPC. Apply **Clayton Launch** in 200-400 l/ha. Qualified recommendation Clayton Launch may be applied at 4 litres per hectare in 100 litres water per hectare although efficacy at this reduced volume has not been evaluated. Therefore application at 100 litres water per hectare is at user's risk with regard to biological efficacy.

##### 5.3 Sprayer cleaning

After spraying, thoroughly clean and flush out application machinery with a minimum of three rinses, to ensure that all traces of product are removed.