

CLAYTON CHROME

MAPP 15264

Contains 360 g/litre clomazone with 5-chloro-2-methyl-4-isothiazolin-3-one
in a capsule suspension

**Herbicide for the control of a range of annual broad-leaved weeds in field beans,
oilseed rape and peas.**

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 HERBICIDE

| Crops | Maximum individual dose of product | Maximum number of applications | Latest time of application |
|--|------------------------------------|--------------------------------|----------------------------|
| Field bean (winter) Oilseed rape (winter) | 0.33 l/ha | One per crop | Pre-emergence |
| Combining pea (spring) Vining pea Field bean (spring) Oilseed rape (spring) | 0.25 l/ha | One per crop | Pre-emergence |

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 GLOVES 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.

AVOID CONTACT WITH SKIN.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

EXTREME CARE MUST BE TAKEN TO AVOID DRIFT ONTO NON-TARGET PLANTS OUTSIDE OF THE TARGET AREA.

Storage and disposal

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

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of 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 1986.

**Clayton Plant Protection (UK) Ltd.,
Unit F10, Bracetown Business Park
Clonee, Co. Meath
Ireland.**

Contents: **5 litres**
PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE USE

Tel: (00 353) 1 8210127

Batch No:

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.

Clayton Chrome is a soil residual herbicide absorbed from the soil solution by the roots of weeds. Susceptible emerging weeds become chlorotic before dying. 'Depth protection' is an important factor in crop selectivity. Soils must be moist for optimum activity. Efficacy is reduced on organic soils owing to adsorption.

OILSEED RAPE

| Crop | Dose Clayton Chrome | Time of application | Application conditions |
|---------------------|---------------------|--|---|
| Winter oilseed rape | 0.33 l/ha | Apply shortly after drilling and consolidation before crop germination - no more than 48 hours after drilling if the soil is warm and moist. | <ul style="list-style-type: none"> • Crops must be drilled, not broadcast sown, into a firm, fine, moist seedbed. • Seed must be drilled 20 mm deep measured after covering and consolidation. • Do not treat SANDS or VERY LIGHT soils. • Do not treat organic soils. • Do not treat late drilled winter crops. |
| Spring oilseed rape | 0.25 l/ha | | |

Late drilled crops

Winter oilseed rape drilled after 7 September in northern England and Scotland or after 14 September in southern England is recognised as being late drilled.

FIELD BEANS AND PEAS

| Crop | Dose Clayton Chrome | Time of application | Application conditions |
|---|---------------------|--|---|
| Winter field beans | 0.33 l/ha | Apply as soon as practicable after drilling and before any crop or weed emergence. | <ul style="list-style-type: none"> • Crops must be drilled into a firm, fine, moist seedbed. • Seed must be drilled 20 mm deep measured after covering and consolidation *. • Do not treat SANDS or VERY LIGHT soils. • Do not treat organic soils. |
| Spring field beans | 0.25 l/ha | | |
| Vining peas Combining peas – spring-sown crops only. | 0.25 l/ha | | |

* It is acceptable for winter beans to be broadcast and ploughed in provided that the seed is covered with at least 20 mm of firmed soil.

SOIL, CROP AND WEATHER CONDITIONS

- Remove or bury straw and trash at least 15cm deep before drilling.
- Seedbeds must be fine and consolidated; poor results may be obtained on cloddy soils.
- The seed furrow of direct-drilled crops must be properly closed over the seed by cross-harrowing and firmed.
- Do not treat compacted soils, soils with inadequate drainage or liable to water-logging.
- Do not harrow or otherwise cultivate a crop at any time after spraying.
- Moisture is necessary to activate herbicidal activity; low rainfall, especially following spring application, may lead to poor results.
- Heavy rain falling soon after application especially on porous gravelly or stony soils may result in crop damage; delay an application if heavy rain is forecast for the period shortly after application.

Cautions

Under certain weather and agronomic conditions absorption of clomazone by the crop seed might occur, leading to temporary discoloration or reduced vigour of the crop. Normally these symptoms are soon outgrown. Provided that the basic agronomic crop requirements for a vigorous, healthy crop have been met, the principal contributory factors leading to loss of seedling vigour are:

- Insufficient soil cover.
- Inadequate soil consolidation.
- Incorrect soil classification; not recommended on Sands, Very Light or stony soils.
- High rainfall moving the herbicide into contact with the seed.
- Delayed application; severe damage to the crop may occur if crops are emerging at application.

APPLICATION

Apply the recommended dose as a COARSE spray (BCPC) in 200-400 l/ha water, using more than the minimum spray volume when soil conditions are sub-optimal. Avoid spray drift onto nearby crops and other areas. Do not overlap spray swaths. Field beans, in particular, may be severely damaged by local overdosing/overlapping spray swaths.

SPRAY MIXING

Ensure that spray equipment is clean, correctly adjusted and in good working order. Shake the full container or any partly used container thoroughly before use. Half-fill the spray tank with clean water and put under agitation.

Top filling sprayers: mix in the required volume of Clayton Chrome through the top filter.

Sprayers fitted with an induction mixing system: half-fill the induction bowl with clean water and then slowly add the required quantity of Clayton Chrome. Transfer the contents to the spray tank whilst rinsing the sides of the bowl with clean water. Repeat the procedure with clean water only until the induction bowl is thoroughly cleaned of product.

Top up the tank with water as required and keep under agitation until sprayed out. Spray immediately after mixing. Do not allow mixed spray to stand in the spray tank.

Rinse empty 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.

PROCESSED CROPS

Consult processors before treating crops being grown for processing.

FOLLOWING CROPS

After full-term harvest following an autumn or spring application

Plough at least 15 cm deep in preparation for the next crop before normal seedbed cultivations. The following crop is limited to cereals, oilseed rape, field beans, potatoes, sugar beet, combining peas, linseed, maize or turnip.

Crop failure following an autumn application

In the event of crop failure, mould-board plough at least 25 cm deep as the primary cultivation. Cropping options in the autumn are restricted to winter wheat, winter barley or winter beans provided that at least 6 weeks have elapsed since application. Cropping options in the spring are limited to combining peas, field beans and potatoes provided that at least 6 weeks have elapsed since application; however provided that 7 months have elapsed since application, spring cereals, maize, turnips, onion, carrots and linseed may be sown additionally.

Crop failure following a spring application

In the event of crop failure, mould-board plough at least 25 cm deep as the primary cultivation. Provided that at least 6 weeks have elapsed since application, cropping options are combining peas, field beans, potatoes, sugar beet, turnips, onions, carrots and linseed; however provided that at last 9 weeks have elapsed since application maize and dwarf French beans may be sown additionally.

Consult also the label of any product that might have been used in a spray programme.

WEED CONTROL

Weed susceptibilities to Clayton Chrome under favourable conditions and pre-emergence of the weeds are indicated below. Late germinating weeds may not be controlled satisfactorily.

| | Autumn crops @ 0.33 l/ha | Spring crops @ 0.25 l/ha |
|----------------------|--------------------------|--------------------------|
| Chickweed, common | S | S |
| Cleavers | S | S |
| Dead-nettle, red | S | S |
| Fat-hen | - | MS |
| Meadow-grass, annual | - | MS |
| Parsley, fool's | - | S |
| Shepherd's-purse | S | S |

S = Susceptible

MS = Moderately Susceptible

Weed resistance

Follow the Weed Resistance Action Group guidelines for preventing and managing herbicide resistant weeds. Avoid the use of Clayton Chrome as the sole means of weed control in successive crops. Employ alternative herbicides with different modes of action to avoid or delay the development of resistant weeds.



EQUIPMENT MAINTENANCE

Immediately after use wash the spraying machine and all utensils thoroughly with clean water and a wetting agent recommended for the cleaning of application equipment. The sprayer must be completely filled twice and flushed out before using for the application of another product. Sprayer washings must not be deposited onto land planted or to be planted with trees or crops, excepting only oilseed rape, field beans, peas or potatoes. Traces of herbicide left in the sprayer may result in damage to other crops.

SOIL CATEGORIES Soil Texture (85 system)

| Sands | Very Light Soils | Light Soils | Medium Soils | Heavy Soils |
|-------------------|-------------------------|--------------------|---------------------|--------------------|
| Coarse sand | Loamy sand | Sandy loam | Sandy clay loam | Sandy clay |
| Sand | Loamy fine sand | Fine sandy loam | Clay loam | Clay |
| Fine sand | Coarse sandy loam | Sandy silt loam | Silty clay loam | Silty clay |
| Loamy coarse sand | | Silt loam (85) | | |

Stony soils: contain 5 % or more by volume of stone greater than 2 mm across.

Organic soils: contain 10 % or more organic matter.