

# CLAYTON PROPEL

MAPP 09783

contains 50 % w/w propyzamide as a wettable powder

For the control of black-grass, volunteer cereals, wild-oat, other annual grass weeds and certain broad-leaved weeds in winter oilseed rape, winter field beans, lucerne, listed top and soft fruit crops, in forestry and seed crops of red and white clover, fodder rape, kale, turnips and sugar beet.



HARMFUL

Limited evidence of a carcinogenic effect



DANGEROUS FOR THE ENVIRONMENT

Very toxic to aquatic organisms, 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.

**COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED ♦ IS A LEGAL REQUIREMENT**

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/FORESTRY HERBICIDE

**Crops:**

Winter oilseed rape, winter field beans, lucerne.  
Apple, pear, plum, blackcurrant, redcurrant, gooseberry, blackberry, loganberry, raspberry (in England only), strawberry, outdoor lettuce, outdoor rhubarb.  
Forestry, forest nurseries.  
Seed crops of red and white clover, fodder rape, kale, turnips and sugar beet.

**Maximum individual dose:**

see **Directions for Use**

**Maximum number of applications:**

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**Latest time of application:**

” ”

**READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE**

## **SAFETY PRECAUTIONS**

### **Operator protection**

Wear suitable protective clothing and gloves.

WASH HANDS before meals and after work.

### **Environmental protection**

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

### **Consumer protection**

❖ DO NOT HARVEST CROPS FOR HUMAN OR ANIMAL CONSUMPTION FOR AT LEAST 6 WEEKS AFTER THE LAST APPLICATION.

### **Storage and disposal**

KEEP OUT OF REACH OF CHILDREN.

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

EMPTY CONTAINER COMPLETELY 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.

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CLONEE  
Co. Meath  
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Contents: **3 kg**

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.

Crop	Maximum individual dose of product	Maximum number of applications	Latest time of application
Winter oilseed rape Lucerne Seed crops of: Red and white clover Fodder rape Kale Turnips	1.4 kg/ha	One per crop	Before 31 January in year of harvest
Winter field beans	1.7 kg/ha	One per crop	Before crop emergence
Seed crops of: Sugar beet	1.7 kg/ha	One per crop	Before 31 December in year prior to harvest
Apple Pear Plum Blackcurrant Redcurrant Gooseberry Blackberry Loganberry Raspberry (England only)	3.4 kg/ha	One per year	Before 31 January in year of harvest
Forestry Forest nurseries	3 kg/ha	One per year	Before 31 December

## RECOMMENDATIONS

Crop and weed situation	Rate of application	Timing and remarks
<b>Winter oilseed rape:</b> no prior control of cereal volunteers	Full weed spectrum 1.4 kg/ha (20 oz/ac)	Apply at the earliest practical date between 1 <sup>st</sup> October and 31 <sup>st</sup> January when the crop has at least 3 fully developed true leaves. It is important to apply at the earliest opportunity if cereal volunteers are competing with the crop.
<b>Winter oilseed rape:</b> prior control of cereal volunteers	Economy with reduced weed spectrum after use of approved herbicide to control cereal volunteers and grass weeds. Revert to full weed spectrum dose (above) if chickweed remains to be controlled. 1 kg/ha (14 oz/ac)	Apply at the earliest practical date between 1 <sup>st</sup> October and 31 <sup>st</sup> January after the crop has 3 fully developed true-leaves. Allow at least 7 days after application of fluazifop-P-butyl or prior treatment affecting the waxy leaf cuticle, before application.
<b>Winter field beans</b>	For Medium and Heavy soils only – see SOILS 1.7 kg/ha (24 oz/ac)	Apply before crop emergence within 7 days of drilling between 1 <sup>st</sup> October and 31 <sup>st</sup> December.

cont.			
<b>Lucerne</b> Seed crops of: <b>Red and white clover</b>	Crops established for at least 12 months	1.4 kg/ha (20 oz/ac)	Apply between 1 <sup>st</sup> October and 31 <sup>st</sup> January after allowing at least 7 days recovery after cutting or grazing.
Seed crops of: <b>Fodder rape</b> <b>Kale</b> <b>Turnips</b>		1.4 kg/ha (20 oz/ac)	Apply when the crop has at least 3 expanded true leaves between 1 <sup>st</sup> October and 31 <sup>st</sup> January.
Seed crops of: <b>Sugar beet</b>		1.7 kg/ha (24 oz/ac)	Apply when the crop has at least 4 expanded true leaves between 1 <sup>st</sup> October and 31 <sup>st</sup> December.
<b>Apple</b> <b>Pear</b> <b>Plum</b> <b>Blackcurrant</b> <b>Redcurrant</b> <b>Gooseberry</b> <b>Blackberry</b> <b>Loganberry</b> <b>Raspberry</b> (England only)	Annual grasses and broad-leaved weeds	1.7 kg/ha (24 oz/ac)	Use only around crops established for at least 12 months. Apply between 1 <sup>st</sup> October and 31 <sup>st</sup> January.
<b>Douglas fir</b> <b>Noble fir</b> <b>Japanese larch</b> <b>Corsican pine</b> <b>Scots pine</b> <b>Sitka spruce</b> <b>Norway spruce</b>	Perennial grasses	3.4 kg/ha (48 oz/ac)	
		3 kg/ha (42 oz/ac)	Use only around crops established by the previous 31 <sup>st</sup> March. Apply between 1 <sup>st</sup> October and 31 <sup>st</sup> December.

#### TANK-MIXES AND COMPATIBILITY

Clayton Propel may be tank-mixed with certain approved products in the situations stated. The herbicides listed enable control of a wider weed spectrum, especially of mayweeds. The Directions for Use of the product to be tank-mixed with Clayton Propel must be observed together with the Directions of this label. Mix Clayton Propel in the spray tank first.

Simazine *	MAFF 08412	(in winter field beans only)
Deltamethrin	MAFF 07172	(in winter oilseed rape only)

\* Seed must be at least 75mm (3") deep after consolidation for 'depth protection' from simazine.

#### SOIL AND CONDITIONS

Clayton Propel is adsorbed by soil organic matter and by straw residues, ash and rotting turf. Weed control may be reduced where high levels of soil organic matter or organic debris occur. Do not use on soils containing more than 10% organic matter except in forestry. Best results are obtained on fine, firm, moist soils.

**Recommended crops, except winter field beans:** crops on all soils containing less than 10% organic matter may be treated, forestry use excepted.

**Winter field beans:** crops sown on Medium and Heavy soils containing less than 10% organic matter (ADAS Soil Texture Classifications - 1985) may be treated. Seedbeds must be firm before application.

**Forestry:** use on mineral soils (sands, brown earths and surface water gleys) and peat soils (peaty gleys and peat soils, the depth of which must exceed 10 cm).

## WEATHER CONDITIONS

Best results are obtained under cool, moist conditions. Soil moisture is necessary for root uptake. Application may be made under any weather conditions compatible with safe spraying. DO NOT APPLY where run-off across the soil surface might occur before soil penetration e.g. to frozen soils on slopes.

## APPLICATION

Apply Clayton Propel in 200-1000 l/ha water (20-100 gal/ac) using the highest volume in dense crops to ensure good ground cover. The highest volume is for use when the crop or weed canopy is dense. Under forestry conditions application in 200-400 l/ha water (20-40 gal/ac) gives satisfactory results. Spray accurately to avoid local overdosing.

## MIXING

### Clayton Propel alone:

Cream the required quantity of Clayton Propel with a little water in a clean container to a fine, homogeneous consistency. With the spray-tank already half-filled with water and under agitation, pour the mixture into the spray tank through the filter basket. Fill the spray tank with water as required. Continue the agitation until spraying is completed.

### Clayton Propel with deltamethrin (MAFF 07172) or simazine (MAFF 08412):

Mix Clayton Propel into the spray tank as above and add the partner to the spray tank as required. Prior dilution is not required.

## FOLLOWING CROPS

The soil must be mould-board ploughed at least 15 cm (6") deep before planting to a following crop. Do not sow any cereal or grass crop at least until September following an application of Clayton Propel to winter oilseed rape or winter field beans. These recommendations and other sequences are detailed in the following table.

Situation	Intended following crop	Minimum interval between application and sowing (earliest sowing date)
After Clayton Propel on winter oilseed rape or winter field beans	Cereals or grass	30 weeks (following September)
After Clayton Propel applied at more than 1.7 kg/ha at any date of application	Cereals or grass	40 weeks
After Clayton Propel applied between 1 October and 31 March	Field beans, broad beans, peas, chicory, radish, clover, lucerne	10 weeks
	Brassicas, leeks, onions, parsley, parsnips, celery, oilseed rape, strawberries	25 weeks or after 15 June whichever first occurs.
After Clayton Propel	Any crop not named above	40 weeks

Important: do not make more than one application of Clayton Propel or other product containing propyzamide to the same area of land within 9 months.

## PROCESSED CROPS

Consult the processor before treating a crop destined for processing.

## WEED CONTROL

Weed control under cool, moist weather.

Dose and relevant crops	Susceptible up to 2 true-leaves.	Susceptible up to established plant stage	Moderately Susceptible	Resistant
<b>1 kg/ha</b> Winter oilseed rape	Black-bindweed Black-grass <sup>1</sup> Chickweed, common Fat-hen Knotgrass Nettle, small Nightshade, black Redshank	Meadow-grass, annual Volunteer cereals Wild-oat	-	Bindweed, field Charlock Clover Dandelion Dead-nettle, red Groundsel Mayweed spp. Pimpernel, scarlet Poppy, common Ragwort Shepherd's-purse Soldier, gallant Thistle
<b>1.4 kg/ha</b> Winter oilseed rape Lucerne Seed crops of: Red clover White clover Fodder rape Kale Turnips	Black-bindweed Black-grass <sup>1</sup> Fat-hen Knotgrass Nettle, small Nightshade, black Redshank Speedwell spp.	Brome, barren Chickweed, common <sup>2</sup> Meadow-grass, annual Volunteer cereals Wild-oat	Cleavers (during germination)	
<b>1.7 kg/ha</b> Winter field beans Sugar beet seed crops	as above	as above	as above	
<b>3.4 kg/ha</b> Listed fruit crops	Weeds listed above plus cleavers	Weeds listed above plus perennial grasses (Heavy couch-grass burdens may require re-treatment in the following year. Do not bury rhizomes deeply during cultivations)	-	
<b>3 kg/ha</b> Forestry	Cock's-foot	Susceptible grasses include: Bent, common Fescue, red Fescue, tall Meadow-grass, rough Sheep's-fescue Yorkshire-fog	Bent, black Couch, common Hair-grass, tufted Moor-grass, purple Soft-grass, creeping	-

<sup>1</sup> When black-grass grows beyond the 2-leaf stage, it becomes only moderately susceptible to propyzamide. It is necessary to apply an approved graminicide to established black-grass before the application of Clayton Propel to ensure maximum control.

<sup>2</sup> If well-established, control of common chickweed may not be complete.

If black-grass or volunteer cereal numbers reach 50 per m<sup>2</sup> an approved graminicide is recommended to be applied before the application of Clayton Propel to remove early crop competition and to ensure optimum weed control. Black-grass germinating at depth may not be fully controlled.

Strains of some annual grasses, e.g. black-grass, wild-oat and Italian rye-grass, 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 advisor or product manufacturer.