

CLAYTON PROPEL 80 WG

MAPP 11216

contains 80 % w/w propyzamide in water dispersible granules

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, bush and soft fruit crops, outdoor lettuce and rhubarb, in ornamental plant production, 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, strawberry, outdoor lettuce, outdoor rhubarb.
Ornamental plant production.
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:

” ”

Latest time of application:

” ”

Other specific restrictions

This product may only be applied to edible crops, excepting lettuce, between 1st October and the specified 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.

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Contents: **5 kg**

Tel: (00 353) 1 8210127

Batch No:

This product is approved under the Control of Pesticides Regulations 1986.

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	1 kg/ha	One per crop	Before end-January in the year of harvest
Lucerne <i>Seed crops of:</i> Red and white clover Fodder rape Kale Turnips	0.9 kg/ha	One per crop	Before end-January in the year of harvest
Winter field beans	1 kg/ha	One per crop	Before crop emergence
<i>Seed crops of:</i> Sugar beet	1 kg/ha	One per crop	Before end-January in the year of harvest
Apple Pear Plum Blackcurrant Redcurrant Gooseberry Blackberry Loganberry Raspberry	2.1 kg/ha	One per year	Before end-January in the year of harvest
Strawberry	1.8 kg/ha	One per crop	Before 1 st January in the year of harvest
Lettuce, outdoor	1.8 kg/ha	One per crop	6 weeks before harvest
Rhubarb, outdoor	2.1 kg/ha	One per year	Before 1 st January in the year of harvest
Ornamental plant production	2.1 kg/ha	One per year	-
Forestry Forest nurseries	1.9 kg/ha	One per year	-

RECOMMENDATIONS

Crop and weed situation	Rate of application	Timing and remarks
Winter oilseed rape: prior control of cereal volunteers	Economy with reduced weed spectrum after the successful use of an approved herbicide to control cereal volunteers and grass weeds. Apply the full weed spectrum dose (below) if chickweed remains to be controlled.	0.6 kg/ha (8½ oz/ac)
Winter oilseed rape: no prior control of cereal volunteers.	Full weed spectrum - standard dose	0.9 kg/ha (12½ oz/ac)
Do not treat varieties Capitol and Lizard.	- higher dose (see SPECIAL SITUATION)	1 kg/ha (14 oz/ac)

cont.			
Winter field beans	For Medium and Heavy soils only – see SOILS	1 kg/ha (14 oz/ac)	Apply before crop emergence within 7 days of drilling between 1 st October and 31 st December.
Lucerne Seed crops of: Red and white clover	Crops established for at least 12 months	0.9 kg/ha (12½ oz/ac)	Apply between 1 st October and 31 st January after allowing at least 7 days recovery after cutting or grazing.
Seed crops of: Fodder rape Kale Turnips		0.9 kg/ha (12½ oz/ac)	Apply when the crop has at least 3 expanded true leaves between 1 st October and 31 st January.
Seed crops of: Sugar beet		1 kg/ha (14 oz/ac)	Apply when the crop has at least 4 expanded true leaves between 1 st October and 31 st December.
Apple Pear Plum Blackcurrant Redcurrant Gooseberry Blackberry Loganberry Raspberry	Annual grasses and broad-leaved weeds	1 kg/ha (14 oz/ac)	Use only amongst crops established for at least 12 months. Apply between 1 st October and 31 st January.
Strawberry - outdoor crops only growing on sandy clay or heavier soils.	Annual grasses and broad-leaved weeds	1 kg/ha (14 oz/ac)	Use only in crops established for at least 12 months. Apply between 1 st October and 31 st December. Simazine must not be used on the crop for 6 months either before or after Clayton Propel 80 WG. Do not treat crops in matted rows. Verify the safety of the treatment on all new varieties or a variety to which one is not accustomed before proceeding to treat larger areas on the same soil texture.
	Perennial grasses	1.8 kg/ha (25 oz/ac)	
Lettuce - outdoor crops only	Moist and cool soils	1.4 kg/ha (20 oz/ac)	Apply before or not later than the cotyledon stage of the weeds, before or after drilling or transplanting. If the soil is dry at application, light incorporation or irrigation will improve weed control. Do not treat later than 6 weeks before cutting.
	Warm soils	1.8 kg/ha (25 oz/ac)	
Rhubarb - outdoor crops only	Annual grasses and broad-leaved weeds	1 kg/ha (14 oz/ac)	Use only in crops established for at least 12 months. Apply between 1 st October and 31 st December.
	Perennial grasses	2.1 kg/ha (30 oz/ac)	

Rose production	Annual grasses and broad-leaved weeds	1 kg/ha (14 oz/ac)	Use only around crops established for one full growing season. Apply between 1 st October and 31 st January. Verify the safety of the treatment on all new varieties to which one is not accustomed before proceeding to treat larger areas on the same soil texture.
	Perennial grasses	2.1 kg/ha (30 oz/ac)	
Douglas fir	Perennial grasses	1.9 kg/ha (27 oz/ac)	Use only around crops established by the previous 31 st March. Apply between 1 st October and 31 st December.
Noble fir			
Japanese larch			
Corsican pine			
Scots pine			
Sitka spruce			
Norway spruce			

SPECIAL SITUATION FOR OILSEED RAPE

Propyzamide is relatively resistant to degradation in cold soils but is degraded in warm soils. The higher rate of 1 kg/ha (14 oz/ac) may be applied to compensate in part for an initially increased degradation rate if the application is made when the soil is still warm in the autumn. Early application is particularly important if the black-grass strains present are in any degree resistant to the specific graminicides available. However the requirement that the black-grass present at the time of application is not beyond the 2-leaves stage is maintained.

HIGH BLACK-GRASS OR VOLUNTEER CEREAL POPULATIONS

If black-grass or volunteer cereal numbers reach 50 per m² an approved graminicide is recommended to be applied before the application of Clayton Propel 80 WG to remove early crop competition and to ensure optimum weed control. Black-grass germinating at depth may not be fully controlled.

TANK-MIXES AND COMPATIBILITY

Clayton Propel 80 WG may be tank-mixed with certain approved products in the situations stated. The herbicide listed enables control of a wider weed spectrum, especially of mayweeds. The Directions for Use of the product to be tank-mixed with Clayton Propel 80 WG must be observed together with the Directions of this label. Mix Clayton Propel 80 WG in the spray tank first.

Deltamethrin

MAFF 07172 (in winter oilseed rape only)

SOIL AND CONDITIONS

Clayton Propel 80 WG 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, strawberries and forestry use: crops on all soils containing less than 10 % organic matter may be treated.

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.

Strawberries: crops sown on sandy clay, clay or silty clay soils containing less than 10% organic matter (ADAS Soil Texture Classifications - 1985) may be treated.

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 80 WG 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

Slowly add Clayton Propel 80 WG to the sprayer tank already half filled with water and under agitation. Top up the tank with water and keep under agitation until the mix is sprayed out.

When tank-mixing, prepare the Clayton Propel 80 WG suspension as already directed and add the partner product prepared as per its Directions for Use. Spray immediately after mixing.

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 80 WG 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 80 WG on winter oilseed rape or winter field beans	Cereals or grass	30 weeks (following September)
After Clayton Propel 80 WG applied at more than 1 kg/ha at any date of application	Cereals or grass	40 weeks
After Clayton Propel 80 WG 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 80 WG	Any crop not named above	40 weeks

Important: do not make more than one application of Clayton Propel 80 WG 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

Indicative 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
0.6 kg/ha Winter oilseed rape	Black-bindweed 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.
0.9 – 1 kg/ha Winter oilseed rape Lucerne Seed crops of: Red clover White clover Fodder rape Kale Turnips Winter field beans Winter oilseed rape Sugar beet seed crops Strawberry Rhubarb Roses	Black-bindweed Black-grass ¹ Fat-hen Knotgrass Nettle, small Nightshade, black Redshank Speedwell spp.	Brome, barren Chickweed, common ² Meadow-grass, annual Volunteer cereals Wild-oat	Cleavers (during germination)	Pimpernel, scarlet Poppy, common Ragwort Shepherd's-purse Soldier, gallant Thistle
1.8 kg/ha Strawberry	as above	Weeds listed above plus perennial grasses ³		
2.1 kg/ha Listed top and bush fruit Rhubarb Roses	Weeds listed above plus cleavers	Weeds listed above plus perennial grasses ³	-	
1.9 kg/ha Forestry	Cock's-foot	Susceptible grasses include: Bent, common Couch, common Hair-grass, tufted Yorkshire-fog Other perennial grasses	Soft-grass, creeping	-

¹ 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 80 WG to ensure maximum control.

² If well-established, control of common chickweed may not be complete.

³ Heavy couch-grass burdens may require re-treatment in the following year. Do not bury rhizomes deeply during cultivations.

Indicative weed control in outdoor lettuce

Dose	Susceptible at the cotyledon or 1-leaf stage of grasses	Moderately susceptible up to 1 true-leaf	Resistant
1.4 – 1.8 kg/ha Lettuce	Black-bindweed Black-grass Chickweed, common Fat-hen Knotgrass Meadow-grass, annual Nettle, small Nightshade, black Redshank Speedwell spp. Volunteer cereals	Cleavers Shepherd's-purse	Dead-nettle, red Groundsel Mayweed spp. Soldier, gallant

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.