



Propyz[®]

For the control of annual grass weeds, volunteer cereals, wild-oat and certain broad-leaved weeds in winter oilseed rape, winter field beans, outdoor lettuce and rhubarb, in established crops of pome fruit orchards and top/cane fruit crops and strawberry; for weed control in forestry, forest nursery and amongst outdoor woody ornamentals.

**FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/FORESTRY
HERBICIDE**
For professional use only

SAFETY INFORMATION

Warning

Suspected of causing cancer

Toxic to aquatic life with long lasting effects

Keep out of reach of children

Avoid release to the environment.

IF exposed or concerned: Get medical advice / attention.

Collect spillage.

Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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



PCS 04006

Contains 400 g/l propyzamide in a suspension concentrate

Manufacturer:

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Approval Holder:

Barclay Chemicals (R&D) Ltd.
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PROTECT FROM FROST

**SHAKE THOROUGHLY
BEFORE USE**

PRECAUTIONS

Wash hands before meals and after work.

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.

Keep in original container, tightly closed, in a safe place.

Wash out container thoroughly, empty washings into spray tank, and dispose of safely.

Safety data sheet available for professional user on request.

In case of emergency contact the Poisons Information Center Tel: +353 1 8092566 or +353 1 8379964

DIRECTIONS FOR USE**IMPORTANT INFORMATION**

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/FORESTRY HERBICIDE For professional use only				
Crop or situation	Maximum individual dose of product	Maximum number of treatments	Maximum total dose	Latest time of application
Oilseed rape (winter)	2.1 l/ha	1 per crop	2.1 l/ha	Before the 1st February in year of harvest
Field bean	2.1 l/ha	1 per crop	2.1 l/ha	
Pome fruit orchards and top/cane fruit crops	4.25 l/ha	1 per year	4.25 l/ha/year	
Lettuce (outdoor)	3.5 l/ha	1 per year	3.5 l/ha/crop	6 weeks before harvest
Strawberry (outdoor)	3.5 l/ha	1 per year	3.5 l/ha/year	Before the 1st of January in the year of harvest
Rhubarb (outdoor)	4.25 l/ha	1 per year	4.25 l/ha/year	
Forestry, forest nursery and outdoor woody ornamentals	4.25 l/ha	1 per year	4.25 l/ha/year	-
<ul style="list-style-type: none"> Do not harvest crops for human or animal consumption for at least 6 weeks after the last application. This product may only be applied to edible crops between 1st October and the specified latest time of application. 				

AGRICULTURAL CROPS

Crop	Timing, cultural & spraying recommendations	Weeds Controlled	Rate
Winter oilseed rape	<p>After successful use of an approved graminicide e.g. fluazifop-P-butyl: apply as soon as possible between 1st October and end-January after the crop has 3 fully developed true-leaves and not less than 10 days after the specific graminicide.</p> <p>Normal rate: apply as soon as possible between 1st October and end-January after the crop has 3 fully developed true-leaves.</p>	Broad-leaved weeds, volunteer cereals, annual meadow-grass and wild oats where volunteer cereals and grass weeds are under control and chickweed is not a serious problem.	1.25 l/ha
		Volunteer cereals, grass weeds and broad-leaved weeds, including black-grass and common chickweed.	1.75 l/ha
	<p>Higher rate: this treatment may be used if one or more of the following apply 1) if application is made early in the season to a warm soil to give longer residual activity 2) if there is enhanced metabolism resistance R or RR in black-grass, reducing the efficacy of specific graminicides. Where there is target site resistance (RRR) to the partner graminicide the effect of this increased dose may be less significant'.</p>	Volunteer cereals, grass weeds and broad-leaved weeds, including black-grass and common chickweed.*	2.1 l/ha
Winter field beans	Apply within 7 days of drilling before crop emergence only between 1st October and end-January. See also SOIL AND CONDITIONS.	Volunteer cereals, grass weeds and broad-leaved weeds, including black-grass and common chickweed.*	2.1 l/ha

*Volunteer cereals, grass weeds and broad-leaved weeds, including black-grass and common chickweed exceeding densities of 50 plants per m² should be treated with an approved graminicide prior to the application of Barclay Propyz to ensure optimum weed control.

HORTICULTURAL CROPS

Crop	Timing, cultural & spraying recommendations	Weeds Controlled	Rate
Outdoor lettuce	Apply at an appropriate time before or after sowing or transplanting and before the weeds attain 1 true-leaf. When the soil is warm or dry, light incorporation and/or irrigation will increase efficacy. Application must be made not later than 6 weeks before cutting.	Annual grasses and some broad-leaved weeds	2.1 l/ha
		Perennial grasses	3.5 l/ha
Outdoor strawberry plants established for at least one year	For use on sandy clay, clay and silty clay soils only. Apply between 1st October and end-December. Do not treat matted-row crops. Verify varietal tolerance before treating the whole crop.	Annual grasses and some broad-leaved weeds	2.1 l/ha
		Perennial grasses	3.5 l/ha
Outdoor rhubarb	Apply between 1st October and end-December provided that the crop has been established for at least one full growing season by 1st October.	Annual grasses and some broad-leaved weeds	2.1 l/ha
		Perennial grasses	4.25 l/ha
Pome fruit orchards and top/cane fruit crops: Apple, Pear, Plum, Blackberry, Blackcurrant, Redcurrant, Gooseberry, Loganberry, Raspberry	Apply between 1st October and end-January provided that the crop has been established for at least one year.	Annual grasses and some broad-leaved weeds	2.1 l/ha
		Perennial grasses	4.25 l/ha

FORESTRY, FORESTRY NURSERY AND OUTDOOR WOODY ORNAMENTALS

Crop	Rate	Weeds controlled
Forestry, forest nursery & outdoor woody ornamentals	2.1 l/ha	Annual grasses and some broad-leaved weeds
	3.75 l/ha	Annual and Perennial grasses
	4.25 l/ha	Perennial grasses

MAYWEED CONTROL

Where mayweed is a problem in winter oilseed rape, Barclay Propyz may be tank-mixed at rates recommended in the table with all registered clopyralid products. When tank-mixing, add Barclay Propyz in the spray tank first. The Directions for Use of the partner product tank-mixed with Barclay Propyz must be followed together with the Directions of this label.

APPLICATION

Apply by conventional hydraulic tractor mounted or trailed sprayer or knapsack sprayer. Apply the recommended rate of Barclay Propyz in 200-1000 l/ha water as MEDIUM spray or COARSE spray at the higher spray volumes. Use the higher rate in dense crops and ensure good cover of the ground with the spray. Do not apply with adjuvant oils or wetting agents, or within 10 days before or after their use. Avoid spray drift and local overdosing.

KNAPSACK RATE ESTIMATOR

Apply Barclay Propyz as a MEDIUM spray. Calibrate equipment before an actual application.

A full 20 litre knapsack sprayer applying spray at 250 l/ha will treat 800 m²

BARCLAY PROPYZ recommendation

2.1 l/ha in 250 l/ha water
2.75 l/ha in 250 l/ha water
3.5 l/ha in 250 l/ha water
4.25 l/ha in 250 l/ha water

BARCLAY PROPYZ ml per 20 litres spray mixture

168 ml
220 ml
280 ml
340 ml

Example

At nozzle operating width 50 cm and forward speed 4 kmph (20m in 22 seconds) each nozzle must deliver 830 ml per minute, e.g. Teejet 11003 or equivalent.

A full 20 litre knapsack sprayer applying spray at 400 l/ha will treat 500 m²

BARCLAY PROPYZ recommendation

2.1 l/ha in 400 l/ha water
2.75 l/ha in 400 l/ha water
3.5 l/ha in 400 l/ha water
4.25 l/ha in 400 l/ha water

BARCLAY PROPYZ ml per 20 litres spray mixture

105 ml
138 ml
175 ml
212 ml

Example

At nozzle operating width 50 cm and forward speed 4 kmph (20m in 22 seconds) each nozzle must deliver 1330ml per minute, e.g. Teejet 11004 or equivalent.

MIXING

Invert the container several times and shake thoroughly before pouring. Half fill the spray tank with water and start the re-circulation system. Pour the required quantity of product into the spray tank. Top up the spray tank with water to the required level. Continue agitation until the tank is sprayed out. When tank-mixing, add Barclay Propyz to the spray tank first. Spray immediately after mixing. Clean all utensils and the spraying machine thoroughly after use, using standard procedures. 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 safely.

NEW VARIETIES

Users should verify for themselves varietal tolerance to propyzamide before treating large numbers of plants of any new variety being grown for the first time.

SOIL AND CONDITIONS

(Soil Texture Classifications – 1985 System).

All agricultural and horticultural crops except winter field beans and strawberries

Crops on all soil types except those containing 10% or more organic matter may be treated.

Winter field beans

For use only on medium and heavy soil types containing less than 10% organic matter.

Strawberries

For use only on heavy soil types containing less than 10% organic matter.

Forestry

All soil types may be treated including those with more than 10 % organic matter. However efficacy may be reduced on organic soils.

Seedbeds must be firm before application. Best activity is obtained on moist soils of fine tilth. Barclay Propyz is adsorbed by organic matter and carbonaceous residues, such as straw, ash and rotting turf. Efficacy may be reduced where high levels of soil organic matter or surface organic debris are encountered.

Crop selectivity in winter oilseed rape is dependent upon 'depth protection'. Oilseed rape crops with shallow root systems, whether caused by adverse soil or other conditions, may suffer injury.

WEATHER CONDITIONS

Soil moisture is necessary for herbicidal activity. Best results are obtained under cool, moist conditions. Warm soils accelerate degradation and may result in reduced efficacy. Application may be made under any weather conditions compatible with safe spraying. DO NOT APPLY to frozen soils on slopes or in any situation where runoff might occur before soil penetration.

PROCESSED CROPS

Consult processors before treating crops intended for processing.

SUBSEQUENT CROPPING

The soil should be mould-board ploughed to a depth of at least 15 cm before planting or sowing to a following crop. Do not sow any cereal or grass crop for 40 weeks following an application of Barclay Propyz.

A minimum interval must be observed before sowing or planting to other following crops after treatments recommended on this label.

Intended crop	Time of application of the BARCLAY PROPYZ to the previous crop	Minimum necessary interval
Outdoor lettuce	any time	0 weeks
Clover, lucerne, peas, field beans, broad beans, chicory, radish	between 1 April and 31 July	5 weeks
	between 1 August and 31 March	10 weeks
Brassicacae, leeks, onions, parsley, parsnips, celery, oilseed rape, strawberries	between 1 April and 31 July	10 weeks
	between 1 August and 31 March	25 weeks or after 15 June whichever first occurs
Crops not named in this table should not be sown for 40 weeks after the application of BARCLAY PROPYZ.		

At least 9 months must elapse between application of propyzamide, as Barclay Propyz or any other product, to the same land. For further advice in the event of crop failure due to pests, disease or adverse environmental conditions, please consult your distributor.

WEED CONTROL

Weed control in moist, cool soils at the recommended timings.

Rate of Barclay Propyz	Susceptible up to 2 true-leaves.	Susceptible up to established plant stage.	Moderately susceptible up to cotyledon stage.	Resistant
1.75 l/ha (to winter oilseed rape)	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 ¹ Wild-oat	Cleavers (germinating) Forget-me-not	Bindweed, field Clover Dandelion Groundsel Mayweed spp. Pimpernel, scarlet Poppy, common Ragwort Soldier, gallant Thistles
2.1 l/ha	as above	as above	-	
3.5 - 4.25 l/ha	as above plus Cleavers	as above plus Perennial grasses ³	-	

¹ Volunteer cereals, grass weeds and broad-leaved weeds, including black-grass and common chickweed exceeding densities of 50 plants per m² should be treated with an approved graminicide prior to the application of Barclay Propyz to ensure optimum weed control. Black-grass germinating below the surface soil horizon may not be fully controlled.

² Chickweed if well advanced (more than 10cm diameter) at application may not be fully controlled.

³ Heavy infestations of common couch will normally require a further application in the following year. Keep the couch-grass rhizomes accessible to the propyzamide by not burying too deeply.

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 your distributor, crop advisor or product manufacturer.