

Hurler

MAPP 13458

Contains 200 g/l (20.6% w/w) FLUROXYPYR as an emulsifiable concentrate

For the control of broad-leaved weeds, especially cleavers, in listed cereals, forage maize and in grassland

**PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE USE**

FLAMMABLE

IRRITATING to skin and respiratory system

May cause sensitisation by skin contact

Toxic to aquatic organisms,

May cause long-term adverse effects in the aquatic environment

May cause lung damage if swallowed

Vapours may cause drowsiness and dizziness

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.



HARMFUL



**DANGEROUS FOR
THE ENVIRONMENT**

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 CLOTHING (COVERALLS) AND 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.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

DO NOT BREATHE SPRAY.

Avoid contact with skin.

IF SWALLOWED, do not induce vomiting; seek medical advice immediately and show this container or label.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible)

Environmental protection

HARMFUL TO LIVESTOCK. Keep all livestock out of treated areas for at least 3 days and until foliage of any poisonous weeds such as ragwort has died and become unpalatable. Bury or remove spillages.

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

This material and its container must be disposed of in a safe way.

Use appropriate containment to avoid environmental contamination.

Storage and Disposal

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN.

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

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.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop or use	}	
Maximum total dose	}	See Statutory Area on attached leaflet
Latest time of application	}	
Other specific restrictions	}	

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

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IMPORTANT INFORMATION

FOR USE AS AN AGRICULTURAL HERBICIDE		
Crop or Situation	Maximum total dose	Latest time of application
Winter Wheat Winter Barley	2 l/ha	Before the flag leaf sheath opening stage
Winter Oats Durum Wheat Rye Triticale	1 l/ha	Before the second node detectable stage
Spring Wheat Spring Barley	0.75 l/ha	Before the flag leaf sheath extending stage
Spring Oats	0.75 l/ha	Before the second node detectable stage
Forage Maize	1 l/ha	Before the seven leaves unfolded stage
Established Grassland	2 l/ha per year see other specific restriction	-
Newly sown Grass Leys	0.75 l/ha per year see other specific restriction	-
Other specific restrictions		
1. This product must not be applied before 1 March in the year of harvest.		
2. When the product is applied as a spot treatment to permanent grassland, rotational grass and newly sown grass leys the maximum concentration must not exceed 30 ml product per 10 Litres water.		
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		

This product is approved in the UK under the Plant Protection Products Regulations (as amended).

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.

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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.

Activity

Barclay Hurler is a translocated herbicide taken up by the leaves of weeds. It is essential that the target weeds have fully emerged before application and that good spray cover of the weed foliage is achieved. Weeds which emerge after application are not controlled.

Growing Conditions

Best results are achieved against small weeds growing actively under warm, moist conditions; these conditions are particularly important for the control of cleavers. Ensure that crops are vigorous with growth unaffected by frost, pests, disease, nutrient deficiency or moisture stress before treatment. Do not treat waterlogged crops or crops under drought stress.

Cereals and Forage Maize

Spring Treatments

(from 1st March onwards on winter crops)

Crop	Rate of Barclay Hurler	Weeds Controlled and latest stage of control	Time of Application for Crop
Winter Wheat Winter Barley	1 l/ha	Cleavers (flowering) Common chickweed (flowering) Black-bindweed (to 6 leaves) Red dead-nettle (to 4 leaves) Knotgrass (to 2 leaves)	From 2 leaves unfolded until the 'boots swollen' stage, GS 45.
	2 l/ha in 300 – 400 l/ha water see RESIDUES <i>DO NOT TANK-MIX BARCLAY HURLER WITH ANY OTHER PRODUCT when using at 2 l/ha</i>	Above weeds plus Volunteer potatoes (10-40 cm (4-16") high). Complete kill of haulm will not be achieved but it will be stunted; optimum control obtained when haulm 15cm (6") high.	From the 3rd node being detectable until the 'boots swollen' stage, GS 45.
Winter oats Durum wheat Rye Triticale	1 l/ha Do not tank-mix with any herbicide for use on triticale.	Cleavers (flowering) Common chickweed (flowering) Black-bindweed (to 6 leaves) Red dead-nettle (to 4 leaves) Knotgrass (to 2 leaves)	From 2 leaves unfolded up to and including the first node.
Spring wheat	0.75 l/ha	Cleavers (to 10 cm)	From 2 leaves

Spring barley		Common chickweed (to 10 cm) Black-bindweed (to 4 leaves) Knotgrass (to 2 leaves)	
Spring oats	0.75 l/ha	Cleavers (to 10cm) Common chickweed (to 10cm) Black-bindweed (to 4 leaves) Knotgrass (to 2 leaves)	
Forage maize	1 l/ha(14 fl.oz/ac)	Black nightshade (cotyledons – 6 true leaves)	

NB: DO NOT apply to forage maize beyond the recommended growth stages or in a tank-mix with any other product.

Grassland

Newly sown and established grass leys and permanent pasture may be treated with Barclay Hurler for the control of annual and perennial broad-leaved weeds. Do not spray swards containing clovers or other legumes if these are important constituents of the sward.

Crop	Rate of Barclay Hurler	Weeds Controlled and latest stage for control	Time of application
Newly sown grass leys	0.75 l/ha	Common chickweed (to 5cm)	In early autumn when the grasses are firmly established and are tillering and the weeds are growing actively.
Established grassland	2 l/ha in 300 - 400 l/ha water <i>For spot treatment use 30 ml product per 10 l water</i>	<i>Pre-flowering weeds of:</i> Broad-leaved dock Common nettle <i>(reduction of top-growth)</i>	<i>Broad-leaved dock:</i> normally in spring at the rosette stage, but may be applied 14-21 days after cutting when the weed foliage has regrown. Repeat if necessary the following year. <i>Common nettle:</i> up to mid-June when actively growing.

Weather and Growing Conditions

Optimum results with Barclay Hurler can only be achieved when weeds are actively growing under good soil and weather conditions and the crop is vigorously competitive. These conditions become especially important if cleavers are to be controlled, more so if Barclay Hurler is to be applied alone in cereals without the benefit of a product in tank-mixture giving complementary activity on cleavers. Do not apply Barclay Hurler during periods of cold nights or if frost is forecast.

Cultivations

Do not roll or harrow crops within seven days of treatment with Barclay Hurler.

Undersown Crops

Do not use Barclay Hurler on crops undersown with clovers or other legumes. Barclay Hurler may be used on crops undersown with grasses only provided that these are firmly established and are tillering.

Application (BCPC definitions)

Apply to dry foliage. Do not spray if rain is imminent. Avoid spray drift onto nearby crops or areas. Avoid overlapping spray swaths.

Do not use on crops grown for seed production

Cereals and forage maize: apply as a MEDIUM spray at 2-2.5 bar (30-35 psi) by conventional hydraulic ground-operated sprayer in 170-340 l/ha water to give good coverage of the target weeds; increase the spray volume to 300-400 l/ha water when treating volunteer potatoes. Use the higher spray volume for application in dense crops or when weeds are large or have become hardened. Apply to dry foliage.

Grassland: apply as a MEDIUM spray at 2-2.5 bar (30-35 psi) by conventional hydraulic ground-operated sprayer in 200-400 l/ha, using a minimum 300 l/ha on established grassland, to give good coverage of the target weeds. Use the higher spray volume for application in dense crops or when weeds are large. When overall spraying is not justified, small weed infested areas or individual weeds may conveniently be spot treated by knapsack sprayer or hand lance connected to a powered conventional hydraulic sprayer. Preferably use a flood jet to avoid spray drift. Spray to just wet the weed foliage evenly but before run-off occurs.

Compatibility

Barclay Hurler is compatible in tank-mix with the following approved formulations. When tank-mixing Barclay Hurler with a partner, the Directions for Use of the partner product must be strictly observed, together with the Directions for Use of this label. Mix Barclay Hurler in the spray tank first except when mixing with wettable powders, suspension concentrates or water dispersible granules unless directed otherwise. Spray out immediately after mixing. Do not tank-mix with any herbicide when treating triticale.

Residues

Do not sow peas, beans, clovers or any other legume for 12 months on land treated with Barclay Hurler at 2 l/ha (28 fl.oz). All manure or crop residues derived from crops treated with Barclay Hurler at 2 l/ha (28 fl.oz/ac) must be returned to grassland or land to be cropped with cereals. All straw from crops treated at 2 l/ha must not be incorporated back into the soil.

Care of Sprayer

Directly after each days use with Barclay Hurler, wash out the sprayer thoroughly with clean water and a wetting agent recommended for the cleaning of sprayers. Traces of fluroxypyr left in the sprayer may damage susceptible crops when the equipment is subsequently used.

Mixing

Pour the required quantity of Barclay Hurler into the spray tank already half-filled with water and under agitation. Top up the spray tank with water to the required level. Maintain agitation during spraying and until the tank is sprayed out.