

Gallup Hi-Aktiv

Barclay Gallup Hi-Aktiv is a systemic herbicide, as a soluble concentrate, for the control of annual and perennial grass and broad-leaved weeds in:

- Barley
- Durum Wheat
- Field beans
- Forest
- Forest nursery
- Grassland
- Green cover on land not being used for crop production
- Linseed
- Non-cropped areas
- Oats
- · Oilseed rape
- Orchards: apple, pear, cherry, damson and plum
- Peas (combining)
- Stubbles of all edible and non-edible crops
- Wheat

Contains 490 g/l (42.1% w/w) glyphosate acid

Manufacturer:

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Approval Holder:

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

20 Litres

FOR USE ONLY AS AN AGRICULTURAL, HORTICULTURAL, INDUSTRIAL AND FORESTRY NON-SELECTIVE HERBICIDE

(Please see inside for DIRECTIONS FOR USE)

FOR PROFESSIONAL USE ONLY

SAFETY INFORMATION

Keep out of reach of children.

Avoid breathing spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean 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 No: 02435

PRECAUTIONS

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

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).

DIRECTIONS FOR USE

The following table pertains to and forms part of the STATUTORY CONDITIONS RELATING TO USE

FOR USE ONLY AS AN AGRICULTURAL, HORTICULTURAL, INDUSTRIAL AND FORESTRY NON-SELECTIVE HERBICIDE					
Crop or situation	Maximum individual dose of product	Maximum number of treatments	Latest time of application	Maximun total dose	
Wheat, barley, oats Durum Wheat	2.9 l/ha	One per season	7 days before harvest	2.9I/ha	
Oilseed rape, linseed	2.9 l/ha	One per season	14 days before harvest	2.9l/ha	
Peas (combining), field beans	2.9 l/ha	One per crop	7 days before harvest	2.9l/ha	
Orchards of: Apple and pear	3.7 l/ha	One per season	After leaf fall/before green cluster stage	3.7l/ha	
Orchards of: Cherry, damson and plum	3.7 l/ha	One per season	After leaf fall/before white bud stage)	3.7l/ha	
Forestry: weed control Forest nursery	3.7 l/ha	Two per year	-	7.4l/ha	
Stubbles of all crops	2.9 l/ha 1.1 l/ha	One per season One per season	5 days before drilling 2 days before drilling	2.9l/ha 1.1l/ha	
Grassland	4.4 l/ha	One per season	5 days before cutting/grazing	4.4l/ha	
Non-cropped areas	4.4 l/ha	Two per year	-	8.8l/ha	
Green cover on land not being used for crop production (set-aside)	2.9 l/ha	-	24 hours before cultivating	2.9l/ha	

GENERAL INFORMATION

Barclay Gallup Hi-Aktiv is a foliar acting herbicide that controls annual and perennial grasses and most broad-leaved weeds when used as directed. It is translocated from treated vegetative growth to underground roots, rhizomes or stolons. Leaf symptoms, being a reddening then yellowing of the foliage, are first seen on grass weeds but take longer to appear on broad leaved weeds.

It is particularly important that the weeds have sufficient leaf growth and are actively growing when treated.

Perennial grass weeds must have produced fresh leaves, which are green and vigorous. Common couch/scutch is most susceptible to Barclay Gallup Hi-Aktiv when it is tillering and when new rhizomes have begun to grow. This is usually when the plants have about 5-6 leaves, each with approximately 12-15cm of new growth.

The majority of perennial broad-leaved weeds are most susceptible if treated when they are actively growing and are at or near flowering stage.

Annual weeds should be actively growing with grasses having at least 5cm of leaf and broad-leaved weeds at least two expanded true leaves when sprayed.

Couch/scutch grasses and other grass and broad-leaved weeds are less susceptible to Barclay Gallup Hi-Aktiv when growth is restricted by drought, waterlogging, frost, very high temperatures or natural dieback. Efficacy will be reduced if such conditions occur at or immediately after spraying.

Occasionally a slight check to crop growth may occur, particularly after direct drilling when crop seeds germinate amongst a mass of decaying foliage, stolons, rhizomes or roots. Thorough cultivations are necessary to disperse or bury decaying organic matter. Consolidate loose soils and ensure crops are adequately fertilised and appropriate measures are taken to prevent insect and fungal damage to the following crop.

Do not apply lime, fertiliser, farmyard manure, pesticides or similar materials within 7 days of Barclay Gallup Hi-Aktiv.

Note: Barclay Gallup Hi-Aktiv does not give acceptable control of horsetail (Equisetum arvense).

WEATHER CONDITIONS

A period of at least 6 hours and preferably 24 hours free of rain must follow spraying. Do not spray onto weeds suffering from drought stress as reduced control may occur. Do not spray in windy conditions as drift onto other crops or vegetation can cause severe injury or destruction.

Do not spray during frosty weather that prevents active growth and can induce weed senescence.



WEEL	CONTROL IN STANDING CEREAL CRO	DPS (PRE-HARVEST)	
Onion couch (Arrhenatherum elatius var. bulbosum) in Winter and spring wheat, including durum wheat, and feed. Barley destined for malting or feed. (Consult purchase		winter and spring oats destined for millingers of crops grown on contract and prosp	
	Method	Dose Rate	
e asures reen,	Spray the crop and weeds overall. Use high clearance tractors with narrow wheels and crop dividers. Adjust boom height to maximise spray retention on the target weeds. After spraying: Wait at least 7 days before harvesting. Treated straw must be chopped and incorporated or removed, after which normal cultivations may be resumed. Treated straw may be used for feed and litter, but must not be used for	Low-medium couch/scutch-grass infestations, up to 75 shoots/m²: Medium-high couch/scutch-grass infestations, over 75 shoots/m²: Perennial broad-leaved weeds: Apply in 150 - 250 l/ha water	2.2 l/ha 2.9 l/ha 2.9 l/ha
	Cou Cree Onic Win' feed Barl purc DO	Couch/scutch grass (Elymus repens) Creeping bent (Agrostis stolonifera) Onion couch (Arrhenatherum elatius var. bulbosum) in Winter and spring wheat, including durum wheat, and feed. Barley destined for malting or feed. (Consult purchas purchasers of malting grade barley before treatment). DO NOT TREAT CROPS INTENDED FOR SEED. Dimethod Spray the crop and weeds overall. Use high clearance tractors with narrow wheels and crop dividers. Adjust boom height to maximise spray retention on the target weeds. After spraying: Wait at least 7 days before harvesting. Treated straw must be chopped and incorporated or removed, after which normal cultivations may	Creeping bent (Agrostis stolonifera) Onion couch (Arrhenatherum elatius var. bulbosum) in winter barley only - see Note. Winter and spring wheat, including durum wheat, and winter and spring oats destined for millin feed. Barley destined for malting or feed. (Consult purchasers of crops grown on contract and prosp purchasers of malting grade barley before treatment). DO NOT TREAT CROPS INTENDED FOR SEED. DO NOT TREAT UNDERSOWN CROPS. Method Dose Rate Spray the crop and weeds overall. Use high clearance tractors with narrow wheels and crop dividers. Adjust boom height to maximise spray retention on the target weeds. After spraying: Wait at least 7 days before harvesting. Treated straw must be chopped and incorporated or removed, after which normal cultivations may Perennial broad-leaved weeds. Apply in 150 - 250 I/ha water

WEED CONTROL IN STANDING OILSEED RAPE AND LINSEED (PRE-HARVEST)					
Weeds Controlled:			Black bent (Agrostis gigantea) Perennial broad-leaved weeds.		
Crops:	Linsee This tre	liseed rape, winter or spring. inseed, winter or spring his treatment is suitable only for uniform, evenly maturing crops proceeding to harvest in prime cond O NOT TREAT CROPS INTENDED FOR SEED.			
Time		Method	Dose Rate		
Weed control: Spray 2- before harvest when the ripening of the seed is		Spray the crop and weeds overall. Minimise crop damage by use of high clearance tractors with narrow wheels and crop	Low-medium couch/scutch-grass infestations, up to 75 shoots/m ² :	2.2 l/ha	
progressing and the mo		dividers.	Medium-high couch/scutch-grass infestations, over 75 shoots/m ² :	2.9 l/ha	
less than 30%. Target weeds must be g	reen.	After spraying: Wait at least 14 days before harvesting. Direct combine harvest the crop when fit.	Perennial broad-leaved weeds:	2.9 l/ha	
actively growing and act to the spray.		Treated straw must be chopped and incorporated or removed, after which normal cultivations may be resumed.	Apply in 200 - 250 l/ha water.		

	WEED CONTROL IN FIELD BEANS AND PEAS (PRE-HARVEST)				
Weeds Controlled: Crops: Note: This treatment is in	Creepir Field be Peas to DO NO	scutch grass (Elymus repens) Black bei		t (<i>Agrostis gigantea</i>) broad-leaved weeds	
Time		Method		Dose Rate	
Spray when the natural r of the seed is progressin the moisture content of th measures less than 30% Target weeds must be gractively growing and acc to the spray.	g and he seed reen,	Spray the crop and weeds overall. Minimise crop damage by use of high clearance tractors with no wheels and crop dividers. After spraying: Wait at least 7 days before harvesting. Direct co harvest the crop when fit. Treated straw must be chopped and incorporated or removed, after which normal cultivations may be resumed.	arrow ombine e	Low-medium couch/sc infestations up to 75 si Medium-high couch/sc infestations over 75 si Apply in 200-250 l/ha wa	hoots/m²: 2.2 l/ha cutch grass hoots/m²: 2.9 l/ha

FORESTRY/WOODLANDS				
Use	Dose Rate	Remarks		
Before planting: Most broad-leaved and grass weeds.	3.7 l/ha . Apply in 80-250 l/ha water	If the ground has been disturbed by forestry operations, allow the weeds to recover. Apply when weeds are showing green leaf and are actively growing. Wait at least 7 days before any cultivations or before planting trees.		
After planting: Most annual and perennial grasses and broad-leaved weeds. Moderate control of Broad-leaved woody weeds; bracken, beech, brush, bramble, sycamore, oak, hazel, willow, ash.	Apply at the appropriate dose for the species to be treated as detailed below: 2.9 I/ha in 250 I/ha water 2.9 I/ha in 250 I/ha water	Apply by knapsack sprayer around fully guarded trees. It is ESSENTIAL to use a TREE GUARD for all applications made in the growing season. Treat bracken after frond tips are unfurled but presenescence. Treat heather late-August to end-September. Treat all other woody weeds June to August before leaf senesence, but before new growth of crop has hardened. Important The time of hardening of leader growth in any year varies with species, location and weather amongst other factors; hardening might occur from end-July up to October or even later. Always direct the spray away from leaders to avoid damage to Lammas growth.		

ORCHARDS				
Weeds Controlled: Most an	nual and perennial weeds.	• •		
Crop	Time and Method	Dose Rate		
Established (minimum 2 years) trees of: Apple Pear Cherry Damson Plum	Apply as a directed MEDIUM or COARSE spray. Spray after leaf fall in autumn or before green cluster stage of apple and pear or white bud stage of stone fruit. Avoid spraying or allowing drift to contact the trunk above 30cm from the ground, or any branches. Spray must not contact any damaged bark.	3.7 l/ha Apply in 250 l/ha water.		

	STUBBLE - ANNUAL AND PERENNIAL WEEDS, VOLUNTEERS				
Weeds Controlled: Crops:	Creeping Volunteer	cutch grass (Elymus repens) g bent (Agrostis stolonifera) ar cereals and potatoes (autumn only). b to follow application on stubble. Black bent (Agrostis g Annual grasses and b to follow application on stubble.			
Time		Method		Dose Rate	
Autumn/winter applica Spray when perennial wactively growing, especi mid-October. Couch/sc should have at least 6 n approx. 12cm long.	veeds are ially after outch grass	After harvest: • Do not cultivate. • Remove straw. • Allow weeds to regrow. • Spray during mild conditions. • Allow volunteer potatoes to make ample top growth and spray well before onset of frost or natural senescence. After spraying: If before mid-November, wait at least 5 days before cultivating. If after mid-November, wait for perennial grass leaves to turn red/yellow before cultivating.		Low-medium couch/scutch-grass infestations, up to 75 shoots/m²: 2.2 l/ha Medium-high couch/scutch-grass infestations, over 75 shoots/m² and volunteer potatoes: 2.9 l/ha Apply in 150 - 250 l/ha water	
Spring applications: Spray when weeds are growing as for autumn a Roots chopped by cultiv show new leaf growth to	applications. vations must	weed growth before spraying. After spraying: Wait at least 5 days before cultivating.	n to appear - allow a minimum 21 days		

	STUR	BLE/CULTIVATED LAND - ANNUAL WEEDS/	VOLUNTEERS	
Weeds Controlled: Annual grasses and broad-leaved weeds Volunteer cereals Crops: Any crop to follow application.				
Time		Method	Dose Rate	
Autumn/spring/summer applications: Spray when weeds are ac growing. For optimum control: Annual grasses should least 10cm of green leaf. Annual broad-leaved we should have at least 2 true leaves.	ctively have at	After harvest or cultivations: Allow ground to remain undisturbed for as long as practicable to allow weeds to regrow. After spraying: • Wait at least 24 hours before cultivating. • Wait at least 48 hours before drilling.	1.1 I/ha Apply in 80-250 I/ha water.	

		GRASSLAN	ND		
Weeds controlled: Crop:	Perennial ryegrass (Lolium perenne) Common nettle (Urtica dioca) Broadleaf doc		s (Lolium multiflorur k (Rumex obtusifolu	,	
Time		Method		Dose Rate	
Spray when grasses and vactively growing at the foll and growth stages: Annual grasses and ann leaved weeds: Spring, summer or auture. Annual grasses have at of green leaf. Annual broad-leaved weeleast 2 expanded true least 2 expanded tru	ual broad- mn. least 10cm eds have at aves. erennial at least 12cm ed leaves. weeds have	Lightly cut or graze and allow weeks until the recommende reached. Spray at the dose rate recom or grass type. Wait at least 5 days, when the yellowed, before removing the conservation or by grazing as cultivating or drilling. Surface mats of old grassland r broken by cultivations before re seeding until the following sprin mats to decompose or apply 2.9 (1 tonne/ac) of ground limeston not less than seven days after t rotary cultivation to break the sincorporate the ground limestor Seeding may be conducted as a provided that the seeds are in control to the seeds are in control to the seeds are in the seeds.	mended for the weed e leaves become e growth for required, prior to must be thoroughly seeding. Either defer g to allow surface 5 tonnes/ha e to the surface mat reatment followed by urface and he into the soil. required thereafter	1-2 years old, only and grasses: 2-4 years old, with grasses: Long leys e.g. 4-7 perennial broad-leter permanent grasslor predominantly grasses: Apply the recomme 200-250 l/ha water	2.2 l/ha n perennial 2.9 l/ha years old with eaved weeds: 3.7 l/ha and with ragwort fine-leaved 4.4 l/ha ended dose in

Weeds Controlled: Most annual and perennial weeds.					
Area of use	Time and Method	Dose Rate			
Around buildings.	Apply at any time of the year when weeds are showing	General Use: 2.9 l/ha			
On industrial sites.	green leaf and are actively growing. Weeds germinating after application will not be	Perennial broad-leaved weeds			
Firebreaks.	controlled. Avoid drift onto crops, lawns, amenity plants or any desirable species.	present: 4.4 l/ha			
Pavements.		Mounted Hydraulic sprayers: apply in 80 - 250 l/ha water			
Verges along public paths and	DO NOT USE UNDER GLASS OR POLYTHENE.				
roadways.	DO NOT SPRAY HEDGE BOTTOMS.	Knapsack sprayers: apply in 100 - 250 l/ha water			
Around traffic signs and advertising hoardings.					
Site preparation for landscaping projects; golf courses etc.					

GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION (SET-ASIDE)					
I (an ryegrass (Lolium multiflorum) adleaf dock (Rumex obtusifolius)			
Users must ensure themsel	Users must ensure themselves compliant with the management rules of any grant-aided scheme before use; the guidance given in the following may be changed in future years.				
Time	Method	Dose Rate			
Spray whilst the green cover is actively growing at any time consistent with the prevailing weather conditions and within the management rules of any grant aided scheme. Deep-rooted perennial broad-leaved weeds are best controlled when well grown and are at or near flowering.	 Do not cut or cultivate prior to applying this product in this situation. Spray before weeds set seed After spraying do not cut, cultivate or prepare land for the next crop until permitted to do so by the management rules; in any event do not cut or cultivate for 1 day (after 1.1 l/ha) or 5 days (after 2.2-4 l/ha) after application. 	Only annual weeds and grasses except black-grass: 1.1 l/ha (note - if the green cover is dense and/or well established, use the higher dose of 2.2 l/ha in 150-250 l/ha water as for low-medium couch - see below). Apply in 80-150 l/ha water for this dose rate. Dense and/or well established green cover: 2.2 l/ha Perennial grasses and broad-leaved weeds: 2.9 l/ha Apply in 150-250 l/ha water.			

WICK/WIPER APPLICATORS

Certain weeds, particularly those with an erect growth habit and having a spatial separation from desirable species, can be effectively controlled by wiping a concentrated solution of Barclay Gallup Hi-Aktiv onto the leaves or stems. Weeds must be actively growing at application.

Do not apply when rain is expected as, apart from unsatisfactory weed control, herbicide might be transferred to desirable species by rain splash or foliar contact.

Barclay Gallup Hi-Aktiv dilution

Maximum Concentrations must not exceed the following:

Weedwiper Mini: 3 volume Barclay Gallup Hi-Aktiv: 8 volume of water

Other wipers: 3.5 volume Barclay Gallup Hi-Aktiv: 6 volume of water for normal conditions;

under warm, dry conditions use 3:8 dilution with water

Caution

Ensure that there is a minimum 5 cm between the top of the tallest desired vegetation and the impregnated wiper.

MIXING

Tractor mounted sprayers

Pour the recommended quantity of Barclay Gallup Hi-Aktiv into the spray tank already half-filled with clean water and under agitation. Top up the tank with more clean water to the required level, whilst maintaining agitation. Spray out on the day of mixing. **Knapsack sprayers**

Add the recommended quantity of Barclay Gallup Hi-Aktiv to the knapsack spray tank approximately one-third filled with clean water. Agitate thoroughly with a clean rod or by shaking after replacing the lid. Add the required quantity of authorised surfactant and agitate again in the same manner until thoroughly mixed. Top up the tank with more clean water to the required level and agitate thoroughly before use. Spray out on the day of mixing.

DO NOT MIX, APPLY OR STORE BARCLAY GALLUP HI-AKTIV IN GALVANISED OR UNLINED MILD STEEL CONTAINERS OR TANKS. KEEP TANKS WELL VENTED AND CLEAR OF ALL SOURCES OF IGNITION.

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.

APPLICATION & SPRAY QUALITY

Conventional hydraulic sprayers

Knapsack sprayers

Prepared spray solution should be applied as a MEDIUM or COARSE quality spray (BCPC definition) through conventional hydraulic sprayers (tractor mounted/ drawn or knapsack) at nozzle pressures not exceeding 2.5 bar (35 psi). Barclay Gallup Hi-Aktiv is a systemic weedkiller and is active at low doses. Always take extreme care to avoid spray drift. DO NOT SPRAY in windy weather or near to desirable species or amenity plants as drift onto other crops or vegetation can cause severe plant injury or destruction.

SOILS

Barclay Gallup Hi-Aktiv may be used to control weeds on all mineral or organic soils or surfaces, including ash and gravel. Only weeds showing green leaf at the time of application can be killed. There is no residual activity with Barclay Gallup Hi-Aktiv.

COMPATIBILITY

Barclay Gallup Hi-Aktiv is compatible with authorised adjuvants PCS 91690. DO NOT mix with any herbicide, insecticide or fungicide.

FUTURE PLANTING

Barclay Gallup Hi-Aktiv has no long-lasting herbicidal activity in soils after application. Agricultural and horticultural quality soils may be planted up with trees after not less than 7 days after application, unless directed otherwise. Other amenity plants may be planted after the treated vegetation has died back or after cultivation. Under normal weather conditions, cultivations may be conducted 5 days after treatment. Under poor growing conditions wait for the characteristic red/yellow leaf symptoms to appear before cultivating.

CARE OF EQUIPMENT

Wash equipment thoroughly after use with water and cleaning agent to remove traces of herbicide. Traces of herbicide left in the equipment may seriously damage or destroy crops sprayed with the same equipment at a later date.

STORAGE

Keep temperatures above 0 °c but not exceeding 30 °c

KNAPSACK RATE RECKONER

METRIC-Medium Volume Application

PRODUCT RECOMMENDATION
(litres of product in I/ha of water)
2.9L in 250L per hectare
3.7L in 250L per hectare
4.4L in 250L per hectare
176 ml

METRIC-Low Volume Application

PRODUCT RECOMMENDATION
(litres of product in I/ha of water)
2.9L in 100L per hectare
3.7L in 100L per hectare
4.4L in 100L per hectare
4.4U ml