

Barclay

CROP PROTECTION

Gallup Hi-Aktiv[®]

contains 490 g/l (42.1 % w/w) glyphosate acid as a soluble concentrate

A systemic herbicide for the control of annual and perennial grass and broad-leaved weeds in stubbles, grasslands, orchards, forestry, set-aside and non-crop areas, and for pre-harvest use in cereals, oilseed rape, linseed, peas (combining) and field beans.

**FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/INDUSTRIAL/FORESTRY
NON SELECTIVE HERBICIDE
Please see inside for DIRECTIONS FOR USE**

RISK AND SAFETY INFORMATION

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs

If swallowed, seek medical advice immediately and show this container or label

Wear suitable protective gloves when mixing the concentrate and during application by tractor-mounted equipment and suitable protective clothing (coveralls) during application by hand-held equipment.

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

Do not re-use container for any purpose and dispose of safely.

Safety data sheet available for professional user on request.

PCS NO. 02435

PROTECT FROM FROST

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DIRECTIONS FOR USE

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

Crop or situation	Maximum individual dose of product	Maximum number of treatments	Latest time of application
Wheat, barley, oats, Durum Wheat	2.9 l/ha	One per season	7 days before harvest.
Oilseed rape, linseed	2.9 l/ha	One per season	14 days before harvest
Peas (combining), Field beans	2.9 l/ha	One per crop	7 days before harvest
Stubbles of all crops	2.9 l/ha	One per season	5 days before drilling
	1.1 l/ha	One per season	2 days before drilling
Grassland	4.4 l/ha	One per season	5 days before cutting/grazing
Non-cropped areas	4.4 l/ha	Two per season	-
Apple, pear, plum, cherry and damson orchards	3.7 l/ha	One per season	After leaf fall but before green cluster stage (apples and pears) or white bud of stone fruit.
Forestry: Weed control	3.7 l/ha	Two per season	-
Green cover on land not being used for crop production (set aside)	2.9 l/ha	-	24 hours before cultivating

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 or 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 (5-6") 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 (2") of leaf and broad-leaved weeds at least two expanded true leaves when sprayed.

Couch or 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.

WEED CONTROL IN STANDING CEREAL CROPS (PRE-HARVEST)

Weeds Controlled: Common couch or scutch (*Elymus repens*) Black bent (*Agrostis gigantea*)
 Creeping bent (*Agrostis stolonifera*) Perennial broad-leaved weeds
 Onion couch (*Arrhenatherum elatius var. bulbosum*) in winter barley only- see Note

Crops: Wheat, including durum wheat, and oats destined for milling or feed.
 Barley destined for malting or feed.
 (Consult purchasers of crops grown on contract and prospective purchasers of malting grade barley before treatment)*
 DO NOT TREAT CROPS INTENDED FOR SEED.
 DO NOT TREAT UNDERSOWN CROPS.

Time

Spray when the moisture content of the grain measures less than 30%

Method

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.

Dose Rate

Low-medium couch or scutch-grass infestations, up to 75 shoots/m²:
 2.2 l/ha

Target weeds must be green, actively growing and accessible to the spray.

After spraying:

Wait at least 7 days before harvesting. Treated straw may 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 horticultural purposes.

Medium-high couch or scutch-grass infestations, over 75 shoots/m²:
 2.9 l/ha

Perennial broad-leaved weeds:
 2.9 l/ha

Apply in 150 - 250 l/ha water

Note: To gain successful control of onion couch with Barclay Gallup Hi-Aktiv, the weed must be treated BEFORE the bulbous bases have matured. Application when the bulbous bases have matured will not prevent regeneration of the weed. Early ripening winter barley is the only crop likely to present an opportunity for pre-harvest control of onion couch.

WEED CONTROL IN STANDING OILSEED RAPE AND LINSEED (PRE-HARVEST)

Weeds Controlled: Common couch or scutch (*Elymus repens*) Black bent (*Agrostis gigantea*)
 Creeping bent (*Agrostis stolonifera*) Perennial broad-leaved weeds

Crops: Oilseed rape, winter or spring
 Linseed, winter or spring

This treatment is suitable only for uniform, evenly maturing crops proceeding to harvest in prime condition.
 DO NOT TREAT CROPS INTENDED FOR SEED

Time

Weed control:
 Spray 2-3 weeks before harvest when the natural ripening of the seed is progressing and the moisture content of the seed measures less than 30%. Target weeds must be green, actively growing and accessible to the spray.

Method

Spray the crop and weeds overall. Minimise crop damage by use of high clearance tractors with narrow wheels and crop dividers.

After spraying:

Wait at least 14 days before harvesting. Direct combine harvest the crop when fit. Treated straw must be chopped and incorporated or removed, after which normal cultivations may be resumed.

Dose Rate

Low-medium couch or scutch-grass infestations, up to 75 shoots/m²:
 2.2 l/ha

Medium-high couch or scutch-grass infestations, over 75 shoots/m²:
 2.9 l/ha

Perennial broad-leaved weeds:
 2.9 l/ha

Apply in 200 - 250 l/ha water.

WEED CONTROL IN FIELD BEANS AND PEAS (PRE-HARVEST)

Weeds Controlled:	Scutch grass (<i>Elymus repens</i>). Creeping bent (<i>Agrostis stolonifera</i>).	Black bent (<i>Agrostis gigantea</i>). Perennial broad-leaved weeds
Crops:	Field beans, winter or spring. Peas to be harvested dry. DO NOT TREAT CROPS INTENDED FOR SEED.	

Note: This treatment is intended for weed control and not for crop desiccation.

Time

Spray when the natural ripening of the seed is progressing and the moisture content of the seed measures less than 30%. Target weeds must be green, actively growing and accessible to the spray.

Method

Spray the crop and weeds overall. Minimise crop damage by use of high clearance tractors with narrow wheels and crop dividers.

After spraying:

Wait at least 7 days before harvesting. Direct combine harvest the crop when fit. Treated straw must be chopped and incorporated or removed, after which normal cultivations may be resumed.

Dose Rate

Low-medium scutch-grass infestations, up to 75 shoots/m²

2.2 l/ha

Medium-high scutch-grass infestations, over 75 shoots/m² and volunteer potatoes:

2.9 l/ha

Apply in 200 - 250 l/ha water

STUBBLE - ANNUAL AND PERENNIAL WEEDS, VOLUNTEERS

Weeds Controlled:	Common couch or scutch (<i>Elymus repens</i>) Creeping bent (<i>Agrostis stolonifera</i>) Volunteer cereals and potatoes (Autumn only)	Black bent (<i>Agrostis gigantea</i>) Annual grasses and broad-leaved weeds
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Crops:

Any crop to follow application on stubble.

Time

Autumn or winter applications:

Spray when perennial weeds are actively growing, especially after mid-October. Common couch or scutch should have at least 6 new leaves approx. 12cm (5") long.

Spring applications:

Spray when weeds are actively growing as for autumn applications. Roots chopped by cultivations must show new leaf growth to be killed.

Method

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.

After harvest:

- Cultivate as required.
- Leave for regrowth to appear - allow a minimum 21 days weed growth before spraying.

After spraying:

- Wait at least 5 days before cultivating. Re-treatment may be necessary pre-harvest or in autumn as emergence in spring may be incomplete.

Dose Rate

Low-medium couch or scutch-grass infestations, up to 75 shoots/m²

2.2 l/ha

Medium-high couch or scutch-grass infestations, over 75 shoots/m² and volunteer potatoes:

2.9 l/ha

Apply in 150 - 250 l/ha water

STUBBLE/CULTIVATED LAND - ANNUAL WEEDS/VOLUNTEERS

Weeds Controlled: Annual grasses and broad-leaved weeds.
Volunteer cereals.

Crops: Any crop to follow application.

Time

Autumn/spring/summer:
Spray when weeds are actively growing.

Method

After harvest or cultivations:
Allow ground to remain undisturbed for as long as practicable to allow weeds to re-grow.

Dose Rate

1.1 l/ha
Apply in 80-125 l/ha water.

For optimum control:

- Annual grasses should have at least 10cm (4") of green leaf.
- Annual broad-leaved weeds should have at least 2 true leaves.

After spraying:

- Wait at least 24 hours before cultivating.
- Wait at least 48 hours before drilling.

GRASSLAND

Weeds controlled: Annual meadow-grass (*Poa annua*), Italian ryegrass (*Lolium multiflorum*), Perennial ryegrass (*Lolium perenne*), Broadleaf dock (*Rumex obtusifolius*), Common nettle (*Urtica dioica*)

Crop: Any crop to follow application

Time

Spray when grasses and weeds are actively growing at the following times and growth stages:

- Annual grasses and annual broad-leaved weeds:
- Spring, summer or autumn.
 - Annual grasses have at least 10cm (4") of green leaf.
 - Annual broad-leaved weeds have at least 2 expanded true leaves.

Perennial grasses and perennial broad-leaved weeds:

- Mid to late summer.
- Perennial grasses have at least 12cm (5") of leaf or 5 fully expanded leaves.

Perennial broad-leaved weeds have substantial leaf area or are near flowering.

Method

- Lightly cut or graze and allow regrowth for about 4 weeks until the recommended growth stages are reached.
- Spray at the dose rate recommended for the weed or grass type.
- Wait at least 5 days, when the leaves become yellowed, before removing the growth for conservation or by grazing as required, prior to cultivating or drilling.

Surface mats of old grassland must be thoroughly broken by cultivations before reseeding. Either defer seeding until the following spring to allow surface mats to decompose or apply 2.5 tonnes/ha (1 tonne/ac) of ground limestone to the surface mat not less than seven days after treatment followed by rotary cultivation to break the surface and incorporate the ground limestone into the soil. Seeding may be conducted as required thereafter provided that the seeds are in contact with mineral soil.

Dose Rate

1-2 years old, only annual weeds and grasses:

2.2 l/ha

2-4 years old, with perennial grasses:

2.9 l/ha

Long leys e.g. 4-7 years old with perennial broad-leaved weeds:

3.7 l/ha

Permanent grassland with ragwort or predominantly fine-leaved grasses:

4.4 l/ha

Apply the recommended dose in 200-250 l/ha water.

FORESTRY/WOODLANDS

Use

Before planting:
Most broad-leaved and grass weeds.

Dose Rate

3.7 l/ha .
Apply in 80-250 l/ha water

Remarks

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

Apply at the appropriate dose for the species to be treated as detailed below:

Apply by knapsack sprayer around fully guarded trees. It is ESSENTIAL to use a TREE GUARD for all applications made in the growing season.

Most annual and perennial grasses and broad-leaved weeds.

2.9 l/ha in 250 l/ha water

Treat bracken after frond tips are unfurled but pre-senescence. Treat heather late-August to end-September. Treat all other woody weeds June to August before leaf senescence, but before new growth of crop has hardened.

Moderate control of Broad-leaved woody weeds; bracken, beech, brush, bramble, sycamore, oak, hazel, willow, ash.

2.9 l/ha in 250 l/ha water

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 annual and perennial weeds.

Time

Established (minimum 2 years) trees of:

Apple, Pear, Plum, Cherry, Damson

Method

Apply as a directed MEDIUM or COARSE quality 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 (12") from the ground, or any branches. Spray must not contact any damaged bark.

Dose Rate

3.7 l/ha
Apply in 250 l/ha water.

GREEN COVER ON LAND TEMPORARILY REMOVED FROM PRODUCTION (SET-ASIDE)

Weeds controlled: Annual meadow grass (*Poa annua*), Italian ryegrass (*Lolium multiflorum*), perennial ryegrass (*Lolium perenne*), broadleaf dock (*Rumex obtusifolius*), common nettle (*Urtica dioica*).

Crops: Any crop to follow application.

Users must ensure for themselves compliance with the management rules of any grant-aided scheme before use; the guidance given in the following may be changed.

Time

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. Normally destruction of green cover cannot be started before 15 April and must be accomplished by 31 August. Deep-rooted perennial broad-leaved weeds are best controlled when well grown and are at or near flowering.

Method

- Do not cut or cultivate prior to applying this product in this situation.
- Spray before weeds set seed (but not before 15 April)
- 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.

Dose Rate

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.

GENERAL USE AROUND THE FARM AND ON AMENITY AND INDUSTRIAL AREAS

Area of Use

Around buildings.

On industrial sites.

Firebreaks.

Pavements.

Verges along public paths and roadways.

Around traffic signs and advertising hoardings.

Site preparation for landscaping projects; golf courses etc.

DO NOT SPRAY HEDGE BOTTOMS.

Dose Rate

General use:

2.9 l/ha .

Perennial broad-leaved weeds present:

4.4 l/ha .

Mounted Hydraulic sprayers:
apply in 80 - 250 l/ha water.

Knapsack sprayers:
apply in 100 - 250 l/ha water.

Remarks

Apply at any time of the year when weeds are showing green leaf and are actively growing.

Weeds germinating after application will not be controlled. Avoid drift onto crops, lawns, amenity plants or any desirable species.

DO NOT USE UNDER GLASS OR POLYTHENE.

See KNAPSACK RATE RECKONER tables.

Important: If poisonous weeds, such as ragwort, had been present before treatment, then grazing animals, such as horses, should be kept clear of treated areas until such time that poisonous weeds have been removed.

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.

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 l/ha of water)

2.9L in 250L per hectare

3.7L in 250L per hectare

4.4L in 250L per hectare

Amount Barclay Gallup Hi-Aktiv per 10 litres to treat 400m²

116 ml

148 ml

176 ml

METRIC-Low Volume Application

PRODUCT RECOMMENDATION (litres of product in l/ha of water)

2.9L in 100L per hectare

3.7L in 100L per hectare

4.4L in 100L per hectare

Amount Barclay Gallup Hi-Aktiv per 10 litres to treat 1000m²

290 ml

370 ml

440 ml