CLINIC® GRADE

A systemic herbicide as a soluble concentrate for the control of annual and perennial grass and broadleaved weeds in:

- Barlev
- 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 (combinina)
- Stubble of all edible and
- non-edible crops
- Wheat

This product contains 360 g/l (30.9% w/w) glyphosate acid

FOR USE ONLY AS AN AGRICULTURAL, HORTICULTURAL, INDUSTRIAL A 10 FOR. TRY NON-SELECTIVE HERBICIDE (Please see inside for DIRECTIONS FOR USE)

SAFETY INFORMATION

Keep out of reach of children.

Avoid breathing spray.

Wear protective gloves/protective clothing/eye protection. If SWALLOWED: Immediately call a POISON CENTER or as stor/physician.

IF ON SKIN: Gently wash with plenty of soap and water

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

Dispose of contents/container to a licinser hazardous-waste of spo. al contractor or collection site except for triple rinsed empty clean containers which, ar be disposed of a roll haz irdous waste.

To avoid risks to human health an Vine environment comply with the instructions for use.

PCS No. 06457

Do not contaminate witer win the product pairs container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Do not contaminate ponds, waterways of stitches with the chemical or used container Wear suitable protective gloves when mixing the concentrate and during application by tractor mounted equipment and stitches protective clothing (coveralls) during application by hand-held equipment.

Authorisation Holder

Nufarm UK Limited Wyke Lane, Wyke, Bradford, West Yorkshire, BD12 9EJ United Kingdom

Technical Helpline telephone number +44 (0)1274 694714 24-hour emergency telephone number +44 (0)1274 696603

PROTECT FROM FROST FOR PROFESSIONAL USE ONLY





Crops/situations:	Maximum individual dose (L product/ hectare)	Maximum number of treatments	Maximum total dose (L product/ hectare)	Latest time of application:
Winter and spring wheat Winter and spring barley Winter and spring oats Durum wheat	4.0	One per season	4.0	7 days before harvest
Oilseed rape and linseed	4.0	One per season	4.0	14 days before harvest
Peas (combining), field beans	4.0	One per crop	4.0	7 days before harvest
Apple and pear orchards	5.0	One pel secroi	5.0	Affer leaf fall/before green cluster stage
Cherry, damson and plum orchards	5.0	One per Pason	5.0	After leaf fall/before white bud stage
Forestry: - Weed Control - Nursery	50	Two per year	10.0	
Chiladalas a Call assaul	15	(e perseason	1.5	2 days before drilling
Stubbles of all crops	4.0	One per season	4.0	5 days before drilling
Grassland	6.0	One per season	6.0	5 days before cutting/grazing
Non cropped areas	6.0	Two per year	12.0	
Green cover on land not being used for production e.g. set aside	4.0	One per season	4.0	24 hours before cultivating

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.

GENERAL INFORMATION

CLINIC GRADE is a foliar acting herbicide which controls annual and perennial grasses and most broad-leaved weeds when used as directed. It is translocated from freated 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 CLINIC GRADE when it is tilliering and when new rhizomes have begun to grow. This is usually when the plants have 5-6 leaves, each with approximately 12-15 cm 15-6" of new growth.

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

Annual weeds should be growing actively, with grasses having at lest 5 an [2") of feof and broadleaved weeds at least 2 expanded true sizes when sprayed. Couch/soutch grasses and other grass and other broadleave, weeds are less susceptible to CLINIC GRADE when growth is restricted by drought, waterlogging, frost, very high temperature for non-sal distance. Efficacy will be reduced if such conditions occurred, or immediately after, spraying.

Occasionally, a slight check to crop grow in mor occul, particularly amodified drilling, when crop seeds germanter congst a mass of deat ying foliage, stolons, rhizomes or roots, norough a titrations are necessary disperse or bury the decaying organic water Consolidate looks alls and ensure crops are adequately ferfitzed or appropriate measure, are taken to prevent insect and fungal damage to the following areas and the consolidate in the consoli

Do not apply lime, fertiliser, farmyard manure, pel icide or similar materials within 7 days of CLINIC GRADE.

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 aftir fonto 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.

RECOMMENDATION TABLES

WEED CONTROL IN STANDING CEREAL CROPS (PRE-HARVEST)

Weeds Controlled:

Couch/soutch gross (Elymus repens)
Black bent (Agrostis gligionitea)
Creeping bent (Agrostis stoloniilera)
Onion couch (Armenatiherum elaitus var.
bulbosum)in winter barley only - see Note.
Perennial broad-leaved weeds

Crops: Winter and spring wheat including durum wheat, and winter and spring oats destined for milling or feed.

Barley destined for molling or feed. (Consult purchasers of arops grown on contract and prospedive purchasers of malling grade barley before including the molling.

DO NOTTREAT CROPS INTENDED FOR SEED. DO NOTTREAT

UNDER OWN CA		
ime	Method	Dose Rate
Cuay when the must be content of the grain measures less than 30%. Target week must be green, actively growing and accessible turne stray.	Si av erop and We stoverall. Use sin accorace fradors will marrow wheels and arop dividers. Adjust boom height to maximise spray retention on the target weeds.	Annual weeds and grass or low couch/scutch grass infestations up to 25 shoots/m²: 2//ha Apply in 80-150 // ha water for this alose rate.
	After spraying: Wall at least 7 days before harvesting. Treaded straw must be chopped and incorporated or removed, after which nomal cultivations may be resumed. Treated straw must be used for feed and litter, but must not be used for horticultural purposes.	Low-medium couch/scutch-grass infestations, up to 75 shoots/m², 3 // ha Medium-high couch/scutch-grass infestations, over to 75 shoots/m²; 4 // ha Perennial broad-leaved weeds; other perennial grasses: 4 // ha Apply in 150 - 250 // ha water.

Note: to gain successful control of onion couch with CLINIC GRADE, 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 arap likely to present an opportunity for preharvest control of onion couch.

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

Weeds Controlled:

Couch/scutch arass (Elvmus repens) Black bent (Agrostis gigantea) Creeping bent (Agrostis stolonifera) Perennial broad-leaved weeds.

Crops: Oliseed 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	Method	Dose Rate
Weed control: Spray 2-3 weeks before harvest when the natural ripening of the seed is progressing and the most bruce content of the seed measures less than 30%. Target weeds must be green, adrively growing and accessible to the spray.	Spray the crop and weeds overall. Minimise crop damage by use of high decrance tradors with narrow wheels and crop dividers. After spraying: Direct combine harvest the crop when fit Tire aled straw must be chapped and incorpor aled or removed, a strain normal cultivariors malber essumed.	Low-medium couch/scutch-grass infestations, up to 5 shoots/m? 3 l/ha l. sedium-hign-num/scutch-grass interations, over 75 shoots/m? : 4 l/ha Perennial brand-leaved week shifter perennial grasses. 4 l/ha App \(\text{in 2.3.0.0.00} \)

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

Weeds Controlled:

Couch/scutch grass (Elymus repens) Black bent (Agrostis gigantea) Creeping bent (Agrostis stolonifera)
Perennial broad-leaved weeds

Crops: Field beans, winter or spring.

Peas to be harvested drv.

DO NOT TREAT CROPS INTENDED FOR SEED.

Time Method Dose Rate Spray when the natural ripening of the seed is progressing an whe mobility and the seed is progressing an whe mobility and the seed is progressing an when the seed is progressing and when the seed is progr	Note: I his treatment is intended for weed control and not for grop desiccation.			
injeening of the seed is progressing of the seed is progressing of the seed is progressing of the moisture teach of the seed is progressing of the moisture teachers are progressing of the seed of th	Time	Method	Dose Rate	
normal cultivations may be resumed.	ripening of the seed is progressing an other moists are after to the moists are after the seed in the moists are after the seed in the seed is progressing and seed in the seed in the seed is progressing and seed in the seed is progressing and seed in the seed is progressing and seed in the seed in the seed in the seed in the seed is progressing and seed in the see	weeds overall. Minimise and odmage by use of high disorance tractors with narrow wheels and arop diviners. A ar surving: Wairun feast 7 days joine harvesting, oried combine harvest the arop when fit. Treated straw must be chopped and incorporated or removed, after which normal cultivations may	couch/scutch grass infestations up to 75 shoots/m²: 3 //ha Medium-high couch/scutch grass infestations over 75 shoots/m²: 4 //ha Apply in 200-250	

ORCHARDS			
Weeds Controlled: Most annual 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.	5 Vha Apply in 250 Vha water.	
	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.		

FORESTRY/WOODLANDS			
Use	Dose Rate	Remarks	
Before planting: Most broad-leaved and	51/ha	If the ground has been disturbed by forestry	
grass weeds.	41/ha	operations, allow the weeds to recover	
Moderate control of many young woody weeds	Hydraulic sprayers: apply in 80 - 250 l/ha water . Rotary atomisers: apply in total spray volume of 40 l/ha.	Apply when weeds cre showing green leaf and are actively growing. Wait at least 7 days before any cultivations or before planting trees.	

STUBBLE/CULTIVATED LAND - ANNUAL WEEDS/VOLUNTEERS

Weeds Controlled:

Annual grasses and broad-leaved vee Volunteer cereals and potatoer

Crops: Any crop to follow application.

Time	Method	Dose Rate
Autumn/spring/ summer applications:	After ha vest co	1.5 l/ha
Spray when weeds are actively growing.	Allow ground and in undisturbed for as long as pradicable to allow	Apply in 60 250 Vinc. Wall
For optimum control: Annual grasses should	weeds to regrow.	
have at least 10cm of green leaf. Annual broad-leaved weeds should have at least 2 true leaves.	After spraying: • Wait of least 24 hours before aultivating. • Wait of least 48 hours before drilling.	

STUBBLE - ANNUAL AND PERENNIAL WEEDS, VOLUNTEERS

Weeds Controlled:

Couch/sculch grass (Bl/mus repens)
Black bent (Agrasts giplantea)
Creeping bent (Agrasts solonifera)
Perennial broad-leaved weeds
Annual grasses and broad-leaved weeds
Volunteer cereals and potatoes (autumn anly).

Crops: Any crop to follow application on stubble.			
Time	Method	Dose Rate	
Autumntwinic applications. So 18 y M. Impress of the view of the v	After harvest: Do not cultivate. Remove straw. Allow weeds to recovery and a stray and a stray and a stray well before onset of fitost or natural senescence. After spraying: If before mich November, wait of least 5 days before cultivating. If after mich November, wait for perennial grass leaves to burned After spraying: If after mich November, wait for perennial grass leaves to burned Agliow before authoring.	Annual weeds and grasses or low couch/scutch grass infestations up to 25 shoots/m², 21/ha Apply/in 80-150 //ha wdier for this dose rate Low-medium couch/ scutch-grass infestations, up to 75 shoots/m², 31/ha Medium-high couch/ scutch-grass infestations, over 75 shoots/m² and volunteer potatoes: 41/ha	
Spring applications: Spray when weeds are admissly growing as for autumn applications. Roals chapped by cullivations must show new leaf growth to be killed.	After harvest: • Cullivate as required. • Leave for regrowth to appear - allow a minimum 21 days weed growth before spraying. After spraying: Wait of least 5 days before cultivating. Retreatment may be necessary preharvest or in autumna se emergence in spring may be incomplete.	Apply in 150-250 l/ha water. Note: the effect of 2 littles product/ha rate as the long-term control of couch/scutch grass is not known.	

GRASSLAND

Weeds Controlled:

Annual meadow-grass (Poa annua) Italian ryegrass (Loium mutitiforum)
Perennial ryegrass (Loium perenne)
Broadleaf dock (Rumex obtusifoluis)
Common nettle (Urtica dioca)

Crops: Any crop to follow application.

Crops: Arry dopro tollow application.			
Time	Method	Dose Rate	
Spray when grasses and weeds are actively growing at the following times and growth stages:	Lightly cut or graze and allow regrowth for about 4 weeks until the recommended growth	1-2 years old, only annual weeds and grasses: 3 l/ha	
Annual grasses and annual broad-leaved	stages are reached. • Spray at the dose rate recommended for the	2-4 years old, with perennial grasses: 4 Vha	
weeds: • Spring, summer or cultumn. • Annual grasses have at least 10cm of green leaf. • Annual broad-leaved	weed or grass type. • Wait at least 5 days, when the leaves become yellowed, before removing the growth for conservation	Long leys e.g. 4-7 years old with perennial broad- leaved weeds: \$\langle n	
weeds have at least 2 expanded true leaves.	or by grazing as required, prior to cultivating or drilling.	Permane ii grassland with rag vort or predomin antly fin	
Perennial grasses and perennial broad-leaved weeds: Mid to late summer: Perennial grasses have at least 12 am of leaf or 5 fully expanded leaves: Perennial broad-leaved weeds have substantial leafarea or are near flowering.	Surface mats of old grassland must be that oughly broken by cultivations hafare researching. Firer defer seeding. Firer defer seeding in the following spring to allow surface mats to decompose or apply 2.5 tonnes/ha (I tonne/ ac) of ground imestone to the surface mat not less than seven days after treatment followed by rotary cultivation to break the surface and incorporate in the soil. Seeding may be conducted as required thereafter provided that the seeds are in contact.	App. with recommended dosain 200-250 kha water	

with mineral soil.

LAND NOT INTENDED TO BEAR VEGETATION: General use around the farm and on amenity and industrial areas

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Weeds Controlled:	Most annual and perennial weeds.		
A ea of u.e	Time and Method	Dose Rate	
reand buildings.	Appropriation of the control of the	General Use: 4 l/ha	
On in Custrial sites. Firebreaks.	lears and are actively weeds germinating	Perennial broad- leaved weeds present: 6 Vha	
Pavements. Verges along public parts and roadways.	after application will not be controlled. Avoid drift onto crops, lawns, amenity plants or any	Hydraulic sprayers: apply in 80-250 (/ ha water	
Council afficisions and according hoardings.	desirable species. DO NOT USE UNDER GLASS OR POLYTHENE. DO NOT SPRAY HEDGE	Knapsack sprayers: apply in 100 - 250 l/ ha water	
Site preparation for landscaping projects; golf courses etc.	BOTTOMS.	Rotary atomisers: apply in total spray volume of 40 l/ha.	

Important: If poisonous weeds, such as ragywort, 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.

GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION (SET-ASIDE)

Weeds Controlled: Annual meadow grass (Poa annua) Italian rvearass (Lolium multiflorum)

Perennial ryegicus (Lollum moilliorum)
Perennial ryegrass (Lollum perenne)
Broadleaf dock (Rumex obtusifolius)
Common nettle (Urtica diocal

Crops: Any crop to follow application.

Users must ensure themselves compliant with the management rules of any grant-oided scheme before use, the guidance given in the following may be changed in future years.

changea in Tuture 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. Deeprooted perennial broadleaved weeds are best controlled when well grown and are at or near flowering.	Do not out or cultivate prior to applying this product in this studion. Spray before weeds set seed After spraying do not out, cultivate or prepare land for the next ray outling emitted to supply the management rules; in any event about 10 august 15 July (after 1.5 Mout 5 days (after 3-9 yrta) after application.	Annual weeds a digrasses. Journal of grasses. Journal of grasses. Journal of grasses. Journal of grasses. Journal of grasses of gras

WICK/WIPER APPLICATORS (E.G. WEEDWIPER MINI)

Certain weeds, particularly those with an ered growth habit and having a spatial separation from desirable species, can be effectively controlled by wiping a concentrated solution of CLINIC GRADE onto the leaves or stems. Weeds must be actively growing at application. Do not apply when rain is expected within 6 hours as, apart from unsatisfactory weed control, herbicide might be transferred to desirable species by rain splash or foliar contact.

CLINIC GRADE dilution

The maximum concentration used must not exceed the following: Weedwiper mini: 1 volumes of product: 2 volumes of water

Other wipers: 1 volumes of product : 1 volumes of water for normal

conditions; under warm, dry conditions use 1:2 dilution

with water.

Weedwipers may be used in any crop where the wiper does not touch the growing crop.

Note: identification of treated weeds, a suitable commercially available rater soluble dye may be added to the prepared solution at 1ml dye of 10 lives on repared spray solution.

MIX NG

nactor mounted sprayers

Pow the recommending a shifty of CLINIC GRADE into the spray tank already halflied with clean, wats and build agitation. Top up the spray tank with more clean water to the reput of let of whist maintaining agitation. Spray out on Let day, fimking.

Knapsack sprayers

Add the Te commended quantity of CLINIC GRADE to the knapsack spray tank powering Bly one-third filled with clean water. Aglitate thoroughly with a clean re-loop by shaking after replacing the lid until thoroughly mixed. Top up the tank with wore clean water to the required level and aglitate thoroughly before use. Spray out on the day of mixing.

DO NOT MIX, APPLY OR STORE CLINIC GRADE 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 of COURSE quality spray (BCPC definition) at nozzle pressures not exceeding 2.5 bar (35 psi). CLINIC GRADE is a systemic weedkiller and is active at low doses.

Always take care to avoid spray drift. DO NOT SPRAY in windy weather or near to desirable species or amenity plants.

SUITABLE NOZZLES FOR HYDRAULIC SPRAYERS			
Sprayer type	Low Volume Application	Medium Volume Application	
Tractor mounted or drawn	Hardi 4110-14 or equivalent nozzles	Hardi 4110-20: 4110-30; Lumark 04-F110; 08-F110 Teejet 11004; 11008 or equivalent nozzles	
Knapsack	Cooper Pegler VLV Orange VLV Blue	Hardi 4110-16 Lumark 03-F110 Polyjet green; blue: red	

SOILS

CLINIC GRADE 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 CLINIC GRADE.

COMPATIBILITY

DO NOT mix with any herbicide, insecticide or funcicide.

FUTURE PLANTING

CLINIC GRADE has no long-lasting herbicidal activity in soils after application. Agricultural and horizollural guality soils may be planted up with trees not less than 7 days after application, unless directed otherwise. Other was plants may be planted after the treated vegetation has died back of other cultivation. Under normal weather conditions, cultivations may be conducted adays after treatment. Under poor growing conditions wait for the charactil ristic red/vellow leaf symptoms to apopear before cultivation.

CARE OF EQUIPMENT

Wash equipment thoroughly after use with water and lean angent to remove traces of herbicide. Traces of herbicide left in the equipment may damage map sprayed later.

KNAPSACK RATE CALCULATOR	
MEDIUM VOLUME APPLICATION	
Product Recommendation (Litres of product in I/ha of water)	Amount of CLINIC GRADE per 10 litres to treat 400 m ²
3Lin 250L per hedare	120 ml
4L in 250L per hedare	160 ml
5L in 250L per hedare	200 ml
6L in 250L per hedrare	240 ml
LOW VOLUME APPLICATION	
Product Recommendation (Litres of product in In a of water)	Amount of CLINIC GRADE per 10 litres to treat 1000 m ²
31/m100Lp or hedare	300 ml
Uim00Lperhedare	400 ml
St in woll per hectare	500 ml
6Lin 100L per Kortare	600 ml

COMPANY ADVISORY INFORMATION

Symptoms in the weeds

Implyings in treatment are generally first seen 7-10 days, or longer lif growth is s. w.y. after spraying. These take the form of leaf readening followed by yellowing and are usually quicker to appear on grasses than on broad-leaved weeds. Reaction of netties is slow.

TERMS AND CONDITIONS OF SUPPLY, SALE OR USE

All goods supplied by us are high grade and we believe them to be suitable for the purpose for which we expressly supply them; but as we cannot exercise any control over their mixing, use or application which may offed 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 or responsibility will be accepted by us or our. Associate, Companies for any damage or injury whatsoever arising from their storage, handling, reapplication or use. These conditions cannot be varied by our stoff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.

Acknowledgements

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