GROUP 4 | 9 HERBICIDES

Diamond®

PROFESSIONAL HERBICIDE

A soluble concentrate containing 160 g/l 2,4-D and 240 g/l Glyphosate.

For the control of annual and perennial weeds in stubbles, grassland (destruction), green cover on land not being used for crop production, orchards, amenity grassland (destruction), hard surfaces (railway ballast only) and amenity vegetation.

WARNING

UN3082

- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Very toxic to aquatic life with long lasting effects.
- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Avoid breathing vapours or spray.
- Do not eat, drink or smoke when using this product. Collect spillage.
- Dispose of contents / container to a licensed hazardous-waste disposal contractor or collection site except for 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.



MAPP 19846

FOR PROFESSIONAL USE ONLY

5 Litres e

To access the Safety Data Sheet for this product, scan the QR code.

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), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate. WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.
- However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
- WASH CONCENTRATE from skin and eyes immediately.
- WASH HANDS AND EXPOSED SKIN before meals and after work.
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

Environmental Protection:

- DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.
- To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

LERAP B

- DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone or within 1 m of the top of a ditch which is dry at the time of application.
- Direct spray away from water.
- This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the 'Local Environment Risk Assessment for Pesticides Horizontal Boom Sprayers' booklet available from the HSE Chemicals Regulation Directorate's website or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.
- 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)
- Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.
- To protect aquatic organisms/ non-target plants do not apply on impermeable surfaces such as asphalt, concrete, cobblestones and other situations with a high risk of run-off.
- Livestock must be kept out of treated areas IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

Storage and disposal

- KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
- WASH OUT CONTAINER THOROUGHLY, and dispose of safely.
- This material and its container must be disposed of in a safe way.
- DO NOT RE-USE CONTAINER for any purpose.
- Protect from frost

Other specific restrictions

- Do not use under polythene or glass.
- Application of lime, fertiliser, farmyard manure and pesticides should be delayed until 5 days after application of Diamond.
- After application large quantities of decaying foliage, stolon's, roots or rhizomes should be dispersed or buried by thorough cultivation before crop drilling.
- Do not use in or alongside hedges.
- Do not apply by hand-held equipment.
- Windfall (fruit fall to ground) must not be used as food or feeding stuff.

Crops	Maximum Individual Dose (L/ha)	Maximum number of Applications	Latest time of application
All edible crops (stubble), All non-edible crops (stubble)	5.0	1	5 days before drilling or planting of the following crop
Grassland	5.0	1	5 days before harvest, grazing or drilling
Green cover on land not being used for crop production	5.0	1	5 days before drilling or planting of the following crop
Apple (around), Pear (around)	5.0	1	After harvest but before green cluster stage
Amenity Grassland	5.0	1	5 days before drilling or planting of the following crop
Hard surfaces (railway ballast only)	5.0	1	-
Amenity vegetation	5.0	1	-

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

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.

Approval Holder:
Agri-gem Limited, Gem House, Unit 6, Riverside Enterprise Park, Skellingthorpe Road, Saxilby, LN1 2FU
24-hour emergency telephone number: +44 (0)1274 696603

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.

WARNINGS EXTREME CARE SHOULD BE TAKEN TO AVOID SPRAY DRIFT AS THIS CAN SEVERELY DAMAGE OR DESTROY NEIGHBOURING CROPS AND PLANTS.

RESTRICTIONS

DO NOT spray in windy conditions as drift onto desired crops or vegetation could severely damage or destroy them.
DO NOT spray onto weeds which are naturally senescent, or where growth is impaired by drought, high temperatures, a covering of dust, flooding or frost at, or immediately after application, otherwise poor control may result
DO NOT use under polythene or glass
After application large quantities of decaying foliage, stolon's, roots or rhizomes should be dispersed or buried by thorough cultivation before crop
Application of lime, fertiliser, farmyard manure and pesticides should be delayed until 5 days after application of Diamond
DO NOT use in or alongside hedges
Windfall (fruit fall to ground) must not be used as food or feeding stuff
DO NOT apply by hand-held equipment

WEEDS CONTROLLED
Susceptible

Annual meadow grass	Groundsel
Bindweed, black	Knotgrass
Bindweed, field	Mayweed, spp
Dock, broad-leaved	Medick, black
Cleavers	Ryegrass
Common couch	Shepherd's Purse
Dandelion	Speedwell spp
Deadnettle, red	Thistle, creeping
Fat hen	Volunteer cereals
Forget-me-not, field	Volunteer oilseed rape

Annual weeds susceptible at 3.0 l/ha
Perennial weeds susceptible at 5.0 l/ha

Annual and Perennial Grass weeds susceptible at 5.0 l/ha

Broad mix of weeds with volunteer cereals susceptible at 5.0 l/ha

Annual grasses and broad-leaved weeds should have at least 5 cm of leaf, or 2 expanded true leaves, respectively.

Perennial grasses must have a full emergence of healthy, green leaf. Common couch for example becomes susceptible at the onset of tillering and new rhizome growth commences which usually occurs when plants have 4-5 leaves, each with 10-15 cm of new growth

This product will not give an acceptable level of control of horsetails.

CROP SPECIFIC INFORMATION ▶

ALL EDIBLE CROPS (STUBBLE), ALL NON-EDIBLE CROPS (STUBBLE)
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: Apply following harvest, and before sowing/planting of the following crop. Clear straw or cut it short and spread evenly. Treat couch grass when it has formed 3-4 leaves and is actively growing. Do not cultivate immediately before or after spraying.
Water volumes: 100-500 l/ha.

GRASSLAND
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: Treat either before grazing/mowing when growth is 30-60 cm, not dense and lacking mature seeds, or re- growth after grazing/mowing. Treat couch grass when it has formed 3-4 leaves and is actively growing. For grassland renewal treatment and re-sowing in July and August have proved effective.
Water volumes: 100 - 500 l/ha.

Where ragwort is present users should consult the 'Code of Practice on How to Prevent the Spread of Ragwort'. Ragwort plants sprayed with this herbicide are more palatable and contain higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead weed. Do not include treated ragwort in hay or silage crops.

GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION E.G. SET ASIDE
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: For perennial weed control allow at least 21 days growth before spraying in spring and allow 5 days before cultivating or drilling. For annual weed control allow 24 hours before cultivating. Treat couch grass when it has formed 3-4 leaves and is actively growing. Ensure that all management rules are followed prior to use on land taken out of production as part of a grant aided scheme.
Water volumes: 100 - 500 l/ha.

APPLE (AROUND), PEAR (AROUND)
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: In spring or summer OR after harvest
Application Guidance: Trees must have established for 3 years before spraying. Avoid contact with tree trunks and branches. Do not use any fallen fruit as food or foodstuffs. Do not spray during flowering. Remove root suckers and side shoots before spraying. Do not spray in temperatures above 25°C and in windy weather. On hot and dry days, spray in the evening.
Pre-harvest interval: 30 days if sprayed in spring or summer
Water volumes: 100 - 500 l/ha.

AMENITY GRASSLAND
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha

Application Timing: Apply when weeds have fully grown. Treat couch grass when it has formed 3-4 leaves.
Water volumes: 100 - 500 l/ha.

HARD SURFACES

Diamond may be used on railway track, railway sidings and other ballast areas of rail infrastructure, station areas and surrounds.
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: Apply Diamond post-emergence of weeds at any time from March until the end of September, provided that the weeds are actively growing and have not begun to tiller. Apply when weeds have fully grown. Treat couch grass when it has formed 3-4 leaves. Avoid drift on to crops alongside railway lines.
Water volumes: 100 - 500 l/ha

AMENITY VEGETATION

Apply to areas of bare soil around ornamental plants or areas intended for ornamental planting. Take care to avoid any contact with ornamental plants as this can severely damage them.
Maximum individual dose: 5.0 l/ha
Maximum total dose: 5.0 l/ha
Application Timing: Apply when weeds have fully grown. Treat couch grass when it has formed 3-4 leaves.
Water volumes: 100 - 500 l/ha.

Following crops

Soil cultivation can be carried out as soon as first weeds show clear signs of Diamond taking effect.

For grassland renewal, ensure that sowing takes place into a fine firm seedbed, into moist soil and that seed is sown at 1-2 cm depth. Following sowing the ground should be rolled.

Diamond may cause damage to succeeding crops. The following periods of time must therefore be observed between application of Diamond and the cultivation of succeeding crops:

Crop	Days until sowing
All edible crops (stubble), All non-edible crops (stubble)*	5
Maize	14
Sorghum	
Field Bean	28
Buckwheat	
Peas	
Fibre flax, linseed	
Alfalfa	
Phacelia	
Oilseed rape	
Mustard	
Potatoes	60
Sunflowers	
Sugar beet	
Vegetables	

*only cereals should be planted as a succeeding crop following application to All edible crops (stubble), All non-edible crops (stubble) with a 5 day sowing interval.

MIXING AND SPRAYING

Before use ensure that the spraying equipment has been thoroughly cleaned. Half- fill the spray tank with clean water. With the contents of the spray tank under re- circulation, add the measured quantities of Diamond through the filter. Top up the tank with water to the required level and maintain re-circulation until the tank is sprayed out.

Apply the recommended quantity of Diamond through a conventional hydraulic sprayer using a MEDIUM spray to cover the weed leaves evenly and thoroughly.

After each days use, wash out with water and wetting agent. Wash out again with water, drain and allow to dry. Traces of herbicide left in the sprayer may damage susceptible crops if these are subsequently sprayed using the same equipment.

WEATHER AND GROWING CONDITIONS

Apply to a dry crop when rain is not forecast for at least 3 hours. Optimum results are obtained when the weeds are actively growing under good soil and weather conditions. Reduced weed control may be obtained during drought or cold weather. If rain falls shortly after application, the effect of Diamond may be reduced.

RESISTANCE MANAGEMENT

Strains of some annual grasses (e.g. black-grass, wild-oats, 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 the HGCA, CPA, your distributor, crop adviser or product manufacturer.

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered to be resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

ACKNOWLEDGEMENTS
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