



PISTOL®

Herbicide

A non-selective herbicide for control of annual and perennial weeds on natural surfaces not intended to bear vegetation, permeable surfaces overlaying soil, and hard surfaces (railway ballast only).

Herbicide

MAPP 12173

A suspension concentrate formulation
containing 250 g/L glyphosate
40 g/L diflufenican

1Le



PISTOL®

Contains 250 g/L glyphosate and 40 g/L diflufenican.

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

DANGEROUS FOR THE ENVIRONMENT

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

Use appropriate containment to avoid environmental contamination.

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

Important Information:

FOR USE ONLY AS A INDUSTRIAL HERBICIDE.

Situation : For use on natural surfaces not intended to bear vegetation, permeable surfaces overlaying soil, and hard surfaces (railway ballast only).

Maximum individual dose : 4.5 litres product/hectare.

Maximum number of treatments : 1 per year.

Latest time of application : End of September.

Other specific restrictions:

This product must only be used on natural or porous surfaces such as gravel where the user can establish that the underlying surface is soil and railway ballast surfaces. Do not use if an impermeable membrane lies between the porous surface and the soil.

Do not apply to any non-porous man-made surfaces.

Important information and Directions for use on the inside label.

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.

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

For 24 hour emergency information contact Bayer CropScience Ltd CropScience Limited.

Telephone: 0800 220876 or nearest National Poisons Information Centre.



This label is compliant with the CPA Voluntary Initiative Guidance.

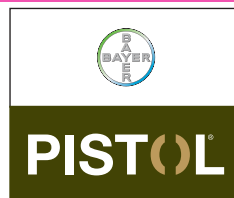
Bayer Environmental Science
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Batch number : See on the pack

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SAFETY PRECAUTIONS

Precautions marked * are a legal requirement.

Operator Protection

* Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

* WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and when applying by hand held equipment.

* However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS before eating and drinking and after work.

Environmental Protection

* DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m 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. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. Aim spray away from water.

* This product qualifies for inclusion within the Local Environmental 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 PSD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

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

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

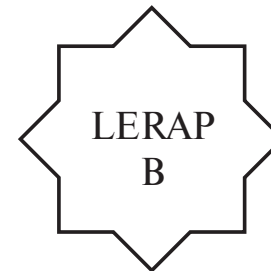
KEEP OUT OF REACH OF CHILDREN.

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

EMPTY CONTAINER COMPLETELY and dispose of safely.

PROTECT FROM FROST.

WHO-classification: II (Moderately hazardous).



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:

PISTOL® is a suspension concentrate formulation containing 250 g/L glyphosate and 40 g/L diflufenican. PISTOL® has foliar absorbed translocated activity, combined with soil acting properties, providing pre-emergence weed control. The product is applied post-emergence to control a wide range of annual and perennial broad-leaved weeds and grasses on porous surfaces on land not intended to bear vegetation.

RESTRICTIONS:

Applications should not be made to plants growing under stress conditions, such as drought or water-logging, as reduced levels of control may result.

Do not spray in windy weather.

Avoid drift onto non-target plants, this includes: leaf surfaces, young bark or suckers of valued plants. Failure to do so may result in permanent damage or plant death.

Do not add any wetting agent or adjuvant oil as this may result in reduced activity.

Where PISTOL® has been applied to sites that are subsequently to be cleared or grubbed, a period of at least 6 months should elapse between treatment and the sowing and planting of subsequent crops. In addition, the soil should be ploughed or dug afterwards to ensure thorough mixing in order to remove any risk of damaging subsequent crops or planting.

Care should be taken when applying PISTOL® as heavy rain following application may wash the herbicide onto sensitive areas such as newly sown grass and areas about to be planted.

When the soil organic matter content is greater than 10%, or for example where leaves have collected or where a mat of organic matter has built up, pre-emergence activity will be reduced.

For maximum persistence of activity the area treated should not be cultivated or raked following application.

To ensure good pre-emergence activity from PISTOL® spray swaths should be matched.

Overdosing should be avoided.

WEEDS CONTROLLED

PISTOL® has a broad spectrum of activity if used at the recommended rate and under optimum conditions. It should give initial 'knockdown' and thereafter residual control of broad-leaved weeds, including common daisy, common groundsel, cranebills, dandelion, field forget-me-not, ragwort, red dead-nettle, rosebay willowherb, sowthistles and speedwell for at least three months.

Grasses may be the first weeds to return in treated areas and may require re-treatment with a glyphosate biactive based product such as CDA Vanquish® Biactive. Residual control of annual meadow grass has been seen for PISTOL® for at least 3 months.

Long term control

No assessment of long term re-growth has been made.

Perennial weeds such as dandelions and docks emerging from established root-stocks after application will not be controlled.

SITUATION SPECIFIC INFORMATION**Use Areas**

PISTOL® may be used in non-crop areas against weeds in open soil, or in certain circumstances (see below) against weeds growing in gravel or other porous surfaces. Examples of suitable use areas include some fence lines, strips of land adjacent to buildings, industrial sites, timber yards, farm yards, oil and gas storage sites, power stations, electric sub-stations, beneath pylons, around street/park obstacles and furniture, and around the bases of mature trees*.

PISTOL® must not be used on non-porous man made surfaces, for example paved areas, concrete or tarmac car parks and footpaths.

PISTOL® may be used on porous surfaces such as gravel ONLY where the underlying surface is soil.

Do not use if an impermeable membrane lies between the gravel and the soil. The product must not be used on gravel where the underlying surface is concrete, tarmac or any other non-porous surface, or in situations where there is potential for run-off into surface waters.

* Where trees to be treated exhibit sucker growth around the base, PISTOL® must be applied as a carefully directed spray, avoiding any contact with the suckers, otherwise damage may result to other parts of the tree.

Rate of Use

EQUIPMENT	AREA	PRODUCT REQUIRED	WATER VOLUME
Vehicle mounted sprayer	1 ha	4.5 L	200 - 400 L
Knapsack	100 m ²	45 ml	2 - 4 L

Application Timing

Apply PISTOL® 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 the process of natural die-back. Annual broad-leaved weeds should have at least two fully expanded true leaves and annual grasses should be at the one leaf growth stage or beyond.

Some perennial weeds, including docks, perennial sowthistle and willowherb are best treated just before flowering or the setting of seed. At least six hours, but preferably 24 hours of dry weather are required immediately following application for optimum control.

MIXING AND SPRAYING

Half fill the spray tank with clean water. Start gentle agitation. Add the required quantity of PISTOL®.

Top up to the required volume with water.

Do not leave the sprayer filled with spray solution for long periods. WASH OUT THE SPRAYER THOROUGHLY AFTER USE AS TRACES OF PISTOL® MAY CAUSE HARM TO OTHER SUSCEPTIBLE PLANTS SPRAYED LATER.

Equipment

A knapsack sprayer fitted with a flat fan nozzle or similar using a pressure of around 1-2 bars is recommended.

Good and even coverage of foliage and soil is essential for optimum activity. For larger areas hydraulic sprayers can be used to apply this product.



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