

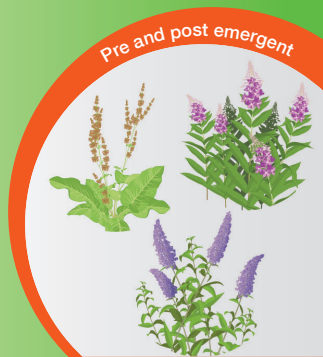


# Pistol®



## HERBICIDE

- ✓ A non-selective herbicide for post emergence total weed control in non-crop areas (permeable surfaces overlying soil).
- ✓ A suspension concentrate formulation containing 250g/L glyphosate and 40g/L diflufenican.
- ✓ For professional use only.



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### Safety information

**Pistol®**

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



### Warning

**Very toxic to aquatic life with long lasting effects**

Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty 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. 04312**

### 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 GLOVES when handling the concentrate. WEAR SUITABLE PROTECTIVE GLOVES AND COVERALLS when applying by hand-held equipment. WASH HANDS before eating and drinking and after work. IF SWALLOWED, seek medical advice immediately and show this container or label.

#### Environmental Protection

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water / Avoid contamination via drains, farmyards and roads). Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area. To protect aquatic organisms respect an unsprayed buffer zone of 2m to surface water bodies.

#### 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. RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinse three times. Add washings to sprayer at time of filling and dispose of safely. Triple rinsed containers should be punctured to prevent re-use and may be disposed of by an authorised contractor or at a municipal waste recycling site.

#### Directions for use

FOR USE ONLY AS AN INDUSTRIAL HERBICIDE

Restricted to professional users:

Situation:

Post emergence total weed control in non-crop areas (permeable surfaces overlying soil)

4.5 litres product/hectare

Maximum individual dose:

1 per year

Maximum number of treatments:

Method of Application:

Hand-held knapsack sprayer

Equipment	Area	Product required	Water volume
Knapsack	100 m <sup>2</sup>	45 ml	2 - 5 L

To minimise spray drift, the product must be applied using a nozzle capable of producing a coarse quality spray (e.g. Hypro Lo-Drift 03 80 or equivalent).

This product must not be applied to any non-porous man-made surfaces.

This product must not be applied through ultra-low volume or CDA applicators.

IE79448031C - ARTICLE 79432224 - A5

Batch number : see on the pack

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Freephone 1800 409399

or

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230 Cambridge Science Park  
Milton Road  
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www.environmentalscience.bayer.co.uk for MSDS and larger label

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# Pistol®

## 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 in non-crop areas (permeable surfaces overlying soil).

**Bayer Tip:** For established deep rooted perennial weeds such as dandelion, thistle, dock and nettles which may be re-generating, a post-emergence application is ideally required.

## RESTRICTIONS

Since there is a risk to aquatic life from use, direct spray must not be allowed to fall within 2 m of the top of the bank of any static or flowing waterbody or the top of a ditch which is dry at the time of application. Spray must be aimed away from water.

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

Do not spray in windy weather.

Extreme care must be taken to 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.

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.

Where PISTOL® or other products containing diflufenican are applied in successive years, levels of diflufenican will build up in the soil. Even where soils are thoroughly dug there may be a risk of damage to subsequent plantings.

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.

Where 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.

For maximum pre-emergence and residual activity from PISTOL®, ensure good coverage of the spray swath. Untreated areas will not be protected.

Overdosing should be avoided.

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

**DO NOT APPLY PISTOL® OVER DRAINS OR IN DRAINAGE CHANNELS, GULLIES OR SIMILAR STRUCTURES FOR MOVING WATER.**

## WEEDS CONTROLLED

Strains of some annual weeds (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. 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 Teagasc, your distributor, crop adviser or product manufacturer.

PISTOL® has a broad spectrum of activity if used at the recommended rate and under optimum conditions. It should give initial 'knockdown' of a wide variety of broad-leaved and grass weeds and thereafter residual control for a wide variety of broad-leaved weeds for up to at least 3 months.

### Weeds controlled such as:

Annual meadow-grass, annual nettle, buttercup, Canadian fleabane, mouse ear chickweed, chickweed, common daisy, common groundsel, ragwort, couch grass, cranesbill sp, dandelion, dock, fat hen, field forget-me-not, mayweed, perennial thistle, plantain sp,



# Pistol®

polygonaceae sp, red dead-nettle, rough-stalked meadow-grass, sowthistle, speedwell, willowherb.

Grasses may be the first weeds to return in treated areas and may require re-treatment with an approved glyphosate-only containing product.

**Bayer Tip:** Treated areas which may have been protected from the spray swath such as areas of soil shaded by a larger weed canopy at application may require re-treatment with an approved glyphosate-only containing product.

### Long term control

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 and against weeds growing in gravel or other porous surfaces. Examples of suitable use areas include 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 base of mature trees\* and woody ornamentals.

\* 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	Spray Quality (Nozzle)	Spray height	Buffer zone
Knapsack	100m <sup>2</sup>	45 ml	2 - 5L	Coarse *Hypro Lo-Drift 03 80 (provided) or similar	40 cm	2 m
	1000m <sup>2</sup>	450 ml	20 - 50L			
	1 ha	4.5L	200 - 500L			

\*Hypro Lo-Drift 03 80 nozzle provided gives, subject to calibration: a coarse spray with a flow rate of 0.95 L/min at 2 bar, giving 220 L/ha at 4kph walking speed, swath width of 65 cm, 40 cm nozzle height

### Application Timing

Apply PISTOL® post-emergence of the weeds at any time from February until the end of July, provided that the weeds are actively growing and have not begun the process of natural die-back. At least six hours, but preferably 24 hours of dry weather are required immediately following application for optimum control.

**Bayer Tip:** For post-emergence application ideally 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.

### MIXING AND SPRAYING

Shake well before use. Half fill the spray tank with clean water. Start gentle agitation and add the required quantity of PISTOL®. Mix and top up to the required volume with water. Use immediately.

WASH OUT THE SPRAYER THOROUGHLY AFTER USE, USING A WETTING AGENT OR PROPRIETARY TANK CLEANER WITH TWO RINSES, AS TRACES OF PISTOL® MAY CAUSE HARM TO OTHER SUSCEPTIBLE PLANTS SPRAYED LATER.

### Equipment

Use a knapsack sprayer fitted with a coarse nozzle using a pressure of around 1-2 bars to provide a coarse spray. Use of anti-drift nozzles or the use of a protector shield to avoid any drift is recommended.

**NOZZLE:** Hypro Lo-Drift 03 80 nozzle (provided) gives, subject to calibration: a coarse spray with a flow rate of 0.95 L/min at 2 bar, giving 220 L/ha at 4kph walking speed, swath width of 65 cm, 40 cm nozzle height, or use similar nozzles that give coarse spray.

Good and even coverage of foliage and soil is essential for optimum activity.



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Pre and post emergent



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