

8000-B

Bayer Environmental Science • AGCI • Date : 21/07/06 • Auteur : Ch.

Colors : **CYAN** **MAGENTA** **YELLOW** **BLACK**



Spearhead[®]

Herbicide

A selective herbicide for the control of a range of broad-leaved weeds in established turf.

Herbicide

MAPP 09941

A suspension concentrate formulation containing 20 g/l (1.72% w/w) clopyralid, 15.9 g/l (1.50% w/w) diflufenican and 300 g/l (25.9% w/w) MCPA.

5 Le

Dossier : Spearhead • Contenu : 5 L • Pays : GB • Réf. : GB05624931B • Article : 04204467 • Dim. : L 130 mm x H 120 mm

Side 1

Colors : **MAGENTA** **YELLOW** **BLACK**



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SPEARHEAD®

Contains 20 g/l (1.72% w/w) clopyralid,
15.9 g/l (1.50% w/w) diflufenican and
300 g/l (25.9% w/w) MCPA.



HARMFUL - IRRITANT

**HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND
IF SWALLOWED IRRITATING TO EYES AND SKIN.**

Wear suitable protective clothing and gloves.

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

Spearhead - 5 L - GB - GB05624931B - ARTICLE 04204467

Dossier : Spearhead • Contenu : 5 L • Pays : GB • Réf. : GB05624931B • Article : 04204467 • Dim. : L 70 mm x H 120 mm



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COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED * IS A LEGAL REQUIREMENT.

FOR USE ONLY AS A HORTICULTURAL HERBICIDE.
RESTRICTED TO PROFESSIONAL USERS.

Situation:	Managed amenity turf
Maximum individual dose:	5 litres product/hectare
Maximum number of treatments:	1 per annum

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE.

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.



**The
Voluntary
Initiative**

This label is compliant with
the CPA Voluntary Initiative Guidance.

Batch number : See on the pack

SPEARHEAD® is a registered trademark of
Bayer Environmental Science.

Bayer Environmental Science
a Business Group of Bayer CropScience Limited
230 Cambridge Science Park
Milton Road
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Bayer Environmental Science
A Business Group of
Bayer CropScience

Mossier : Spearhead • Contenu : 5 L • Pays : GB • Réf. : GB05624931B • Article : 04204467 • Dim. : L 122 mm x H 120 mm

Side 3



Color : BLACK



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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 AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.
- *However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

Environmental Protection

*KEEP LIVESTOCK OUT of treated areas.

*EXTREMELY DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

*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.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

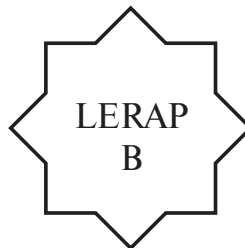
KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

*DO NOT RE-USE CONTAINER for any purpose.

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:

SPEARHEAD® is a selective herbicide containing clopyralid, diflufenican and MCPA for the control of daisies, clovers, plantains, buttercups, dandelions and certain other common broad-leaved weeds in established turf.

RESTRICTIONS:

Only use SPEARHEAD® on turf when the sward is satisfactorily established and regular mowing has begun under normal good management.

Turf sown in the spring or early summer may be ready for spraying after approximately two months, but turf sown in the late summer or autumn should not be sprayed until growth is resumed in the following spring, perhaps eight months after sowing.

Applications made under or followed by adverse conditions such as waterlogged and/or cold conditions may result in transient damage. Do not overlap spray swaths.

Mowing:

Avoid mowing during the 3 - 4 days proceeding or following treatment.

Do not use any plant materials treated with SPEARHEAD® for composting or mulching.

Drift:

AVOID spray drift as much as possible, working under conditions of little or no wind. Small amounts of SPEARHEAD® spray may cause serious injury to herbaceous plants, vegetables, fruit and glasshouse crops.

SITUATION SPECIFIC INFORMATION:

APPLICATION RATES:

Use SPEARHEAD® at 4 - 5 litres per hectare.





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WEED	DOSE (See below for specific application equipment)
Creeping Buttercup Greater plantain Ribwort plantain White clover	4 litres per hectare
Autumn Hawkbit Black Medick (from seed up to 2 expanded true leaves) Charlock (up to 6 expanded true leaves) Common chickweed* Common Mouse-ear Corn Marigold (up to 6 expanded true leaves) Daisy Dandelion Mayweeds (up to 6 expanded true leaves) Mouse-ear Hawkweed Self Heal* Slender Speedwell* Smooth Sowthistle (up to 6 expanded true leaves) Sorrels* Thrift Trefoils (up to 2 expanded true leaves) Vetches (from seed up to 2 expanded true leaves) Yarrow* Yellow Suckling Clover Qualified Minor Use Recommendation Limited evidence suggests that the following weeds may be susceptible to "Spearhead®" at the 5 L/ha dose: Black bindweed (up to 2 expanded true leaves) Creeping Thistle (from seed up to 6 expanded true leaves) Groundsel (up to 6 expanded true leaves)	5 litres per hectare

* moderate control - complete control may not always be achieved





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TIMING OF APPLICATION:

For best results, the grass and weeds should be actively growing at the time of treatment. In most years, treatment during the early part of the season is recommended although spraying at any time between April and September will be effective, **except during drought or waterlogged conditions.**

MIXING AND SPRAYING:

<i>EQUIPMENT</i>	<i>AREA</i>	<i>SPEARHEAD®</i>	<i>WATER VOLUME</i>
Vehicle mounted hydraulic sprayer	One hectare	4 - 5 litres	200 - 700 litres
Knapsack Sprayer	100 m ²	40 - 50 ml	4.5 litres

THOROUGHLY CLEAN ALL APPLICATION EQUIPMENT AFTER USE with water and wetting agent or detergent fluid. Spray out in a safe place. Refill with clean water and leave overnight. Spray out again before storing or using for another product.



