

**HARMFUL**  
**Keep out of reach of children**

## Puma<sup>®</sup> S

Contains: 69 g/litre fenoxaprop-P-ethyl + 18.75 g/litre mefenpyr-diethyl (safener) in the form of an oil-in-water emulsion.  
Also contains 409.5 g/litre hydrocarbon liquid.

**Net Contents**  
**1 litre / 10 litres**


### *Herbicide*

Selective grass weed herbicide for use in  
Wheat, Perennial Ryegrass and Pasture

Registered pursuant to the ACVM Act 1997, No P3945  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR000409  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions



  
16/09/2020

UN Number: UN 3082  
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(FENOXA PROP-P-ETHYL, SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC SOLUTION)  
PACKING GROUP: III  
CLASS: 9  
HAZCHEM CODE: 3Z

IN A TRANSPORT EMERGENCY DIAL 111 POLICE OR FIRE BRIGADE



**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**

**HSNO Classifications:**



16/09/2020

**WARNING:**

- 6.1E May be harmful/ if swallowed/in contact with skin/if inhaled.
- 6.3A Causes skin irritation.
- 6.4A Causes serious eye irritation.
- 6.5B May cause an allergic skin reaction.
- 9.1A Very toxic to aquatic life with long lasting effects

**PRECAUTIONS:**

Read label before use

Do not eat, drink or smoke while using this product.

Remove protective clothing and wash hands and face thoroughly before meals and after work.

Avoid contact with the skin and eyes

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area

Do not apply directly into or onto water

**PERSONAL PROTECTION:**

When handling, wear full protective clothing such as impervious gloves, respirator, waterproof hat, coat and trousers (worn outside rubber boots).

**STORAGE:** Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs.

**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**Disposal:** Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.

**Container Disposal:** Triple rinse container and add residue to mixture. Take to an Agrecovery collection site.

**FIRST AID:**

If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If splashed in eyes, wash out immediately with water, if irritation persists get medical advice. If inhaled, move the victim to fresh air immediately.

Puma S is a selective grass herbicide for use on autumn- and spring-sown wheat and perennial ryegrass for the control of wild oats and lesser canary grass (*Phalaris minor*), and pasture for the control of yellow bristle grass.

### DIRECTIONS FOR USE

**Mixing:** Shake well before use. Add the required amount to a partly-filled spray tank with agitation system operating. Complete filling the tank with water and apply. Flush spray system with clean water after use.

### Compatibility:

**DO NOT USE PUMA S IN ANY MIXTURES WHEN APPLYING TO PERENNIAL RYEGRASS**

When used on wheat, Puma S can be tank mixed with Cycocel® and Opus® in 2- and 3-way mixes. Care must be taken to ensure that recommended timings for all products are followed. The addition of a suitable adjuvant oil such as D-C-Trate® or Hasten® at label rates is recommended. Do not use Puma S within 5 days of broad-leaved herbicide applications.

Crop	Weeds	Rate	Remarks
Wheat	Wild oats	750 mL/hectare in 250 litres of water. Add adjuvant oil at recommended rates.	Apply when wild oats are between 3 leaf and 1 <sup>st</sup> node visible growth stage and when they are growing actively.
	Lesser canary grass ( <i>Phalaris minor</i> )	750 mL/hectare in 250 litres of water. Add adjuvant oil at recommended rates.	Apply when weeds are between the 3 leaf visible stage and the end of tillering and are growing actively. Avoid application during periods of moisture stress.
Perennial ryegrass ( <i>Lolium perenne</i> )	Wild oats	750 mL/hectare in 250 litres of water. <b>Do not use with any other agrochemicals or adjuvants.</b>	Apply in early spring when wild oats are between 3 leaf and end of tillering growth stage and are growing actively. Note: Seed yield response is likely to be reduced the longer the delay in the removal of wild oats in spring.
Pasture	Yellow bristle grass	750 mL/hectare in 250 litres of water. <b>Do not use with any other agrochemicals or adjuvants.</b>	Apply to established pasture 7 days after grazing during the period December/January.
<b>NOTE: DO NOT USE ON BARLEY</b>			

### IMPORTANT NOTES:

Gnawed canary grass (*Phalaris paradoxa*) is not controlled by Puma S at label rates. Do not overlap swath width in ryegrass crops as yield suppression may occur. Do not use Puma S with any other agrochemical or spray additive when applying to Perennial ryegrass.



Resistant weeds: Annual and hybrid ryegrasses, tall fescue, chewing's fescue, cocksfoot, browntop, grazing brome (=spiky brome – *Bromus stamineus*), prairie grass and most broad-leaved weeds.

Rainfastness: Puma S is rainfast within one hour of application.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

**Withholding period:**

Wheat: 70 days (Do not graze treated crop for at least 70 days after treatment).  
 Perennial ryegrass: 42 days (Do not graze treated crop for at least 42 days after treatment).  
 Pasture 28 days (Do not graze treated pasture for at least 28 days after treatment).

**Soil Activity:** Puma S is rapidly broken down by soil microbes causing no restrictions on crop rotations.

Undersown crops: Puma S can be used on crops undersown with certain grasses (See under "Resistant weeds" above) and clover. Do not use on crops undersown with "Concord" ryegrass.

**CONDITIONS OF SUPPLY:**

**READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.**

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Date of Manufacture:

Batch No:

Cycocel® and Opus® are registered trademarks of BASF

D-C Trate® is a registered trademark of Caltex

Hasten® is a registered trademark of Victorian Chemical Co.

Puma®S is a registered trademark of the Bayer Group

**Bayer**

Registered to:

B:Hive Building, 74 Tahoroto Road, Takapuna, Auckland 0622, New Zealand

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EMERGENCY RESPONSE SERVICE (24 hrs) 0800 734 607



16/09/2020