

# WARNING

**KEEP OUT OF REACH OF CHILDREN  
READ LABEL BEFORE USE**

## Performa Beta IV

**Active Ingredient: Contains 60 g/L Phenmedipham, 60 g/L Desmedipham, 60 g/L Ethofumesate and 200 g/L Metamitron in the form of a Suspo-emulsion (SE).**

**For the control of broadleaf weeds in fodder beet, red beet and sugar beet.**

GROUP	5+15	HERBICIDE
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**Performa™**

**Crop Protection**

Registered pursuant to the ACVM Act 1997, No. P10250

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, HSR101145

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

**Manufactured for Wholesale Seeds by:**

**Danken New Zealand Limited.**

P.O. Box 16194 Hornby 8441

[johnstonccr@outlook.com](mailto:johnstonccr@outlook.com)

Telephone: 021241 6152

Net Contents: 0.5, 1, 5, 15, 20, 100, 200 L

Batch No.:

Date of Manufacture:

Bar Code:



**Wholesale Seeds 5 Bryant Street, Ashburton | 03 307 9260 | [Wholesaleseeds.co.nz](http://Wholesaleseeds.co.nz)**



## READ LABEL COMPLETELY BEFORE OPENING AND USING PRODUCT

### **GHS CLASSIFICATION:**

Eye irritation Category 2, Skin sensitisation Category 1, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute and chronic Category 1, Hazardous to the soil environment, Hazardous to terrestrial vertebrates.

**TOXICITY:** Causes serious eye irritation. May cause an allergic skin reaction.

Suspected of causing cancer. May cause organ damage from repeated oral exposure at high doses.

**ECOTOXICITY:** Very toxic to aquatic organisms and with long lasting effects. Not to be applied directly onto or into water. Very toxic to the soil environment and harmful to terrestrial vertebrates.

**Spray drift hazard. Apply this product carefully using ground based methods of application only. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside the target area.**

**QUALIFIED HANDLER:** This product must be under the control of a qualified trained handler when mixed, loaded or applied.

**RECORDS:** Records of use as described in NZS 8409 Management of Agrichemicals must be kept if more than 3 kg of **Performa Beta IV** is applied within 24 hours and likely to leave the application area.

**PERSONAL PROTECTION:** Avoid contact with eyes and skin. Avoid inhalation of spray mist. Use only outdoors or in well-ventilated area.

When mixing or applying, wear overalls, boots, gloves and eye protection. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using. Wash clothing and personal protection equipment before re-use.

**STORAGE:** Keep out of reach of children. Store in the original container, tightly closed, in a locked cool, dry and well-ventilated area away from feed or foodstuffs. Avoid storage at temperatures below 5°C and above 35°C. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.

**SPILLS:** Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc. and place in a waste container. Wash area with water and detergent and absorb with further inert material. Dispose of product and contaminated waste safely to an approved landfill.

**PRODUCT DISPOSAL:** Dispose of product only by using according to the label directions. Alternatively dispose of safely at an approved landfill. Triple rinse empty container and add rinsate to the spray tank.

**CONTAINER DISPOSAL:** Recycle empty rinsed container. Otherwise crush and bury empty container in a suitable landfill. Do NOT use the container for any other purpose.

Avoid contamination of any water supply with chemical or empty container.

### **First Aid**

If swallowed, Rinse mouth, do NOT induce vomiting. Get medical advice/attention if you feel unwell. If skin or hair contact occurs, Take off contaminated clothing and wash before reuse. Flush skin and hair with running water. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/ attention. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

## **Emergency Response**

In a transport emergency call 111, Police or Fire Brigade. For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 622) (24 hrs).

## **WARRANTY**

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

## **GENERAL INFORMATION**

**Performa Beta IV** is a post-emergence selective herbicide for the control of broadleaf weeds in fodder beet, sugar beet and red beet. **Performa Beta IV** may be broadcast or band-sprayed using ground based methods of application only. For band treatment ensure that the use rate per sprayed area is consistent with label recommendations.

Do not apply **Performa Beta IV** if air temperature is likely to rise above 29°C. Avoid treatment if rain is likely before spray has dried on foliage.

Do not apply **Performa Beta IV** in more than 300 litres of water per hectare. Do not add any surfactants unless experience has shown them to be crop safe.

Adequate soil moisture both before and after application will improve control. Avoid application onto crops stressed due to drought, nutrient deficiency or other factors or following a frost as crop damage may occur. Ensure weeds are actively growing at the time of application otherwise poor weed control may result.

## **MIXING**

Shake the container well before use. For large containers, roll and invert several times to ensure uniform re-suspension of the contents. Add the required quantity of **Performa Beta IV** to the partly filled tank, then add the remaining water while agitating. The spray mixture should be kept agitated before and during spraying after a stoppage. Unused spray mixture may settle overnight.

## **ADJUVANTS:**

**Performa Beta IV** contains surface active agents and does not normally require the addition of further surfactants or spray oils.

## **APPLICATION**

Apply **Performa Beta IV** using conventional boom spraying equipment that is well maintained and calibrated and set up to achieve complete coverage of all weeds. It may be broadcast or band sprayed using ground based methods of application only. For band treatment ensure that the use rate per sprayed area is consistent with label recommendations. Use a minimum of 200 litres of water per hectare. Do not apply in more than 300 litres of water per hectare.

## **RAINFALL:**

Avoid treatment if rain is likely before spray has dried on foliage.

## **COMPATIBILITY:**

**Performa Beta IV** is considered to be compatible with Chlorpyrifos 500 EC, Clopyralid 600 SL and Chloridazon 650 WG but compatibility checks should still be carried out before mixing. It is preferable to apply **Performa Beta IV** alone unless experience has shown the mix to be safe. Avoid tank mixing if the crop is

stressed or damaged by wind, hail etc.

#### SUSCEPTABLE WEEDS:

Annual poa, black nightshade, clammy goosefoot, henbit, fathen, field pansy, fumitory, groundsel, redroot, sharp buttercup, shepherd's purse, spurrey, willow weed.

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

#### WITHHOLDING PERIOD:

Fodder beet/Sugar beet: Do not graze stock on treated areas or feed stock with treated crops for 56 days after application.

Red beet: Do not harvest for 50 days after application.

#### RESISTANCE MANAGEMENT

GROUP	5+15	HERBICIDE
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Metamitron is a triazinone herbicide while desmedipham and phenmedipham are phenyl-carbamate herbicides. These have the inhibition of photosynthesis at photosystem II mode of action. Ethofumesate is a benzofuran herbicide with the non ACCase inhibition of lipid synthesis mode of action. Despite having two modes of action in **Performa Beta IV**, certain individual biotypes may become resistant. To minimise the risk of these weeds dominating the population, use strictly in accordance with the label directions and use herbicides from alternative mode of action groups at other times. For further information see: [www.resistance.nzpps.org](http://www.resistance.nzpps.org).

#### DIRECTIONS FOR USE:

Use **Performa Beta IV** at a rate of 2-5 litres per hectare. Apply a maximum of 10 litres/ha per season. Do Not exceed 3 litres/ha (red beet) and 5 litres/ha (fodder, sugar beet) of **Performa Beta IV** in a single application.

As weeds appear use as below at the appropriate rate for the crop stage and weed size present. For larger and denser weeds, sequential applications 7-14 days apart may be required.

**Performa Beta IV** is best applied when the crop reaches the 2 true leaf stage. Some temporary damage may occur to plants that have yet to reach that stage. A pre-emergence application of ethofumesate will improve control.

Crop	Growth Stage	Rate	Remarks
Fodder beet Red beet Sugar beet	For use after emergence of the crop up to the 2 true leaf growth stage	2 litres /ha	Apply to actively growing seedling weeds at the cotyledon to 1 <sup>st</sup> true leaf stage
Red beet	For use after the crop has 2 true leaves fully developed	3 litres /ha	Apply to actively growing weeds that have reached the 2-4 true leaf stage.
Fodder beet Sugar beet	For use after the crop has 2 true leaves fully developed	3-5 litres /ha	Apply to actively growing weeds that have reached the 2-4 true leaf stage. Use the higher rate when the majority of weeds are at the 4 true leaf stage or if henbit, nettle, spurrey or prostate amaranth are

			dominant species.
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