

# Betanal<sup>®</sup> Forte



Net contents : 5 L, 15 L

## ***Herbicide***

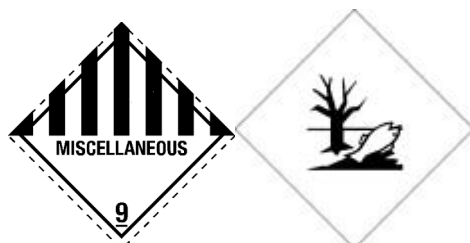
Claim statement: For the control of broad-leaved weeds in fodder, sugar and red beets

Contains: 160 g/litre phenmedipham and 160 g/litre desmedipham in the form of an emulsifiable concentrate

Registered pursuant to the ACVM Act 1997, No P7688  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR007865  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

## **DG Information**



UN 3082  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (PHENMEDIPHAM, DESMEDIPHAM 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:**



May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Toxic to the soil environment.

**PRECAUTIONS:**

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

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

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.

**BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.**

Betanal Forte is a post-emergence selective herbicide for broad-leaved weed control in fodder, sugar and red beets.

**DIRECTIONS FOR USE:**

**MIXING:** Ensure spray equipment is thoroughly cleaned before use. Add the required amount of **Betanal Forte** to a partly-filled spray tank with the agitation system operating. Add the remaining water and any tank mixture partners. Maintain agitation until spraying is complete. Flush equipment with clean water after use.

**NB:** Do not mix **Betanal Forte** with any foliar nutrients or surfactants.

Do not allow spray mixture to stand overnight. Do not apply in more than 300 litres of water per hectare.

**RESISTANCE MANAGEMENT**

Group	5	Herbicide
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Phenmedipham and desmedipham are pheynyl-carbamate herbicides. These have the inhibition of photosynthesis at photosystem II mode of action. 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.

**RECOMMENDATION:**

Crop	Timing	Rate	Remarks
Red Beet	Apply after the crop has 2 true leaves fully developed.  Weeds up to 4 true leaf.  Weeds from 4-6 true leaves and hard-to-kill weeds up to 4 true leaves.	3 litres/ha in 200 litres of water  4.5 litres/ha in 200 litres of water	Damage may occur, especially on Red Beet, if treated prior to the 2 true leaf stage. Best results are obtained when weeds are treated at the youngest possible stage.
Fodder Beet, Sugar Beet	Apply after the crop has 2 true leaves fully developed.	1.5 litres/ha in 200-300 litres of water	Best results are obtained by applying <b>Betanal Forte</b> following a pre-emergence application of <b>Nortron®</b> . Make the first application of <b>Betanal Forte</b> in mixture with <b>Nortron</b> 2.0 litres/ha when the weeds are from cotyledon to 2 true leaf stage and a second 10-14 days later.



Susceptible weeds include:

Seedling stages of: Chickweed, Fathen, Fumitory, Groundsel, Redroot, Shepherd's purse, Spurrey, Nettle and Twin cress.

Black nightshade, Cornbind and Willow weed are controlled only up to four true leaf stage.

Resistant weeds include:

Grass weeds, mature annual broad-leaved weeds, perennial broad-leaved weeds and wireweed.

**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:**

Fodder Beet, Sugar Beet– 56 days. Do not graze stock on treated areas for 56 days after spraying.

**ADDITIONAL INFORMATION**

**Betanal Forte** may be broadcast or band-sprayed. For band treatment ensure that the use rate per sprayed area is consistent with label recommendations.

Do not apply if air temperature is likely to rise above 29 °C and avoid treatment if rain is likely before spray has dried on foliage.

Herbicide activity will be slowed down in cool weather.

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

To the extent permitted by law Bayer does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. Bayer does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter.

To the extent only that Bayer is prevented by law from contracting out of the Consumer Guarantees Act, then these conditions apply subject to that Act. The Act shall not apply where these goods are acquired for business purposes.

Date of Manufacture:

Batch No:

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**Bayer**

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A handwritten signature in blue ink, appearing to be "John G. ...".