

**CAUTION**  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS  
BEFORE OPENING OR USING



# Big Cat™

BROADLEAF HERBICIDE



**ACTIVE CONSTITUENTS: 250 g/L MCPA present as the ethyl hexyl ester**  
**25 g/L DIFLUFENICAN**  
**SOLVENTS: 325 g/L LIQUID HYDROCARBONS**  
**150 g/L N-METHYL-2-PYRROLIDONE**

**GROUP FI HERBICIDE**

For the control of certain broadleaf weeds in winter cereals and clover  
as specified in Directions for Use Table

**IMPORTANT: READ THIS BOOKLET BEFORE USING THIS PRODUCT**

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APVMA Approval No:  
89063/123530

## WEED FORCE BIG CAT BROADLEAF HERBICIDE

### DIRECTIONS FOR USE

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**WEED LIST WEED****Common Name**

Canola (Rape)  
 Capeweed  
 Charlock  
 Chickweed  
 Common Sowthistle (Milk Thistle)  
 Corn Gromwell  
 Cowvine  
 Crassula  
 Deadnettle  
 Dense-flower Furnitory  
 Dock  
 Doublegee (Spiny Emex)  
 Fat Hen  
 Fireweed  
 Furnitory  
 Hedge Mustard  
 Hexham Scent (King Island Melilot)  
 Horehound  
 Hyssop Loosestrife  
 Iceplant  
 Indian Hedge Mustard  
 London Rocket  
 Long Storksbill  
 Marshmallow  
 Mouse-eared Chickweed  
 Night-scented Stock  
 Paterson's Curse  
 Peppercress  
 Prickly Lettuce  
 Purple Goosefoot  
 Rough Poppy  
 Saffron Thistle  
 Scarlet Pimpernel  
 Shepherd's Purse  
 Skeleton Weed  
 Sorrel  
 Stemless Thistle  
 Toad Rush  
 Tree Hogweed  
 Turnip Weed  
 Varigated Thistle  
 Vetch (Tares)  
 Volunteer Lupins  
 Ward's Weed  
 Wild Radish  
 Wild Turnip  
 Wireweed (Hogweed)

**Scientific Name**

*Brassica napus*  
*Arctotheca calendula*  
*Sinapis arvensis*  
*Stellaria media*  
*Sonchus oleraceus*  
*Buglossoides arvensis*  
*Ipomoea lonchophylla*  
*Crassula* spp.  
*Lamium amplexicaule*  
*Fumaria densiflora*  
*Rumex* spp.  
*Emex australis*  
*Chenopodium album*  
*Senecio* spp.  
*Furnitory* spp.  
*Sisymbrium officinale*  
*Melilotus indicus*  
*Marrubium vulgare*  
*Lythrum hyssopifolia*  
*Mesembryanthemum* spp.  
*Sisymbrium orientale*  
*Sisymbrium irio*  
*Erodium botrys*  
*Malva parviflora*  
*Cerastium glomeratum*  
*Matthiola longipetala*  
*Echium plantagineum*  
*Lepidium* spp.  
*Lactuca serriola*  
*Scleroblitum atriplicinum*  
*Papaver hybridum*  
*Carthamus lanatus*  
*Anagallis arvensis*  
*Capsella bursa-pastoris*  
*Chondrilla juncea*  
*Rumex* spp.  
*Onopordum acaulon*  
*Juncus bufonius*  
*Polygonum patulum*  
*Rapistrum rugosum*  
*Silybum marianum*  
*Vicia sativa*  
*Lupinus* spp.  
*Carrichtera annua*  
*Raphanus raphanistrum*  
*Brassica tournefortii*  
*Polygonum aviculare*

**DIRECTIONS FOR USE****RESTRAINTS**

DO NOT apply to crops or weeds, which are stressed due to dry or excessively moist conditions.  
 DO NOT apply to crops under stress due to disease or insect damage.  
 DO NOT apply to frost affected crops or if frosts are imminent.  
 DO NOT apply when heavy rain is expected within 4 hours.

**TABLE 1 - WEEDS CONTROLLED**

CROP	WEEDS CONTROLLED	STAGE OF WEED GROWTH	STATE	RATE /ha	CRITICAL COMMENTS	
<b>CEREALS</b> Wheat, Barley, Oats, Triticale, Cereal Rye (including cereals undersown with clover)	Wild Radish	Up to the 2 leaf stage and not more than 60mm in diameter	WA only	250mL	<b>CROP STAGE</b> <b>Cereals</b> <b>Up to 750mL</b> (3 leaf to late tillering stage - Z13 to 30) <b>Over 750mL</b> (5 leaf to late tillering stage - Z15 to 30) Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post sowing).  <b>WA only:</b> <b>DO NOT</b> apply to Barley or Kulin Wheat before the 5 leaf stage (Z15).  <b>Warning:</b> Weed Force Big Cat Broadleaf Herbicide may cause transient crop yellowing of cereals. Some varieties of oats have not been tested. (Refer to <b>'Crop Tolerance'</b> section of <b>General Instructions</b> ).  Application is recommended prior to the eighth trifoliolate leaf stage, however, applications prior to the third leaf stage may result in crop damage especially under stressed conditions and in sandy soils. DO NOT apply to Annual Medics or Lucerne.  <b>Warning:</b> Weed Force Big Cat Broadleaf Herbicide may cause transient crop yellowing of clover, and may affect growth and seed set of some varieties of clover. (Refer to <b>'Crop Tolerance'</b> section of <b>General Instructions</b> ).  <b>WEED STAGE</b> Apply when weeds are actively growing. In most situations the rate specified for each weed size will give satisfactory control. Under certain conditions such as: <ul style="list-style-type: none"> <li>high crop and weed density</li> <li>late season germinations</li> <li>abnormal weed growth (including early flowering), high rate of product (up to the maximum rate of application specified for that weed) may be required.</li> </ul> Weed Force Big Cat Broadleaf Herbicide will not effectively control: <ul style="list-style-type: none"> <li>regrowth of suppressed weeds;</li> <li>transplanted weeds;</li> <li>regrowth from rhizomes or roots;</li> <li>weeds growing under stress from previous herbicide applications.</li> </ul> <b>GRAZING</b> Efficacy on larger weeds will be improved by grazing with normal levels of stock after 7 day withholding period. Refer to 'Protection of Livestock' for grazing precautions.  <b>APPLICATION</b> Activity of this product will be reduced if weeds are stressed. Optimum results will be obtained if good soil moisture exists at and after application. Where crop or weed density is high, water volume should be increased.  <b>WILD RADISH</b> Weed Force Big Cat Broadleaf Herbicide will provide residual control of Wild Radish for up to 4 weeks after application. Effective residual activity of this product may be reduced where: <ul style="list-style-type: none"> <li>rates lower than 1.0L/ha are used;</li> <li>dry conditions prevail;</li> <li>poor coverage of the soil surface is achieved;</li> <li>crop is planted in non-wetting sand;</li> <li>soils contain a high content of organic matter.</li> </ul> Optimum results will be obtained if good soil moisture exists at and after application.	
		Up to the 4 leaf stage and not more than 120mm in diameter	All States	500mL		
		Up to the 6 leaf stage and not more than 150mm in diameter		750mL		
		Up to the 8 leaf stage and not more than 180mm in diameter		1.0L		
		Up to the 2 leaf stage and not more than 60mm in diameter		500mL		
		Up to the 4 leaf stage and not more than 120mm in diameter		750mL		
		Up to the 6 leaf stage and not more than 150mm in diameter		1.0L		
		London Rocket	Up to the 5 leaf stage and not more than 120mm in diameter	Old only		750mL
		Ward's Weed		SA only		
		Capeweed	Up to the 2 leaf stage and not more than 60mm in diameter	All States		500mL
	Up to the 4 leaf stage and not more than 120mm in diameter		1.0L			
	Crassula	Up to the 2 leaf stage	500mL			
		Up to the 4 leaf stage	750mL			
	Prickly Lettuce	Up to the 2 leaf stage	500mL			
		Up to the 4 leaf stage	750mL			
		Up to the 6 leaf stage	1.0L			
	Dense-flower Furnitory	Up to the 2 leaf stage				750mL
	Corn Gromwell, Saffron Thistle, Toad Rush					1.0L
	Deadnettle		NSW, Vic SA only			1.0L
	Sorrel	<b>Up to 2 leaf stage</b>	Vic only	1.0 L		
Canola (Rape)	<b>Up to 4 leaf stage</b>	All States	500 mL			
Purple Goosefoot	<b>Up to 6 leaf stage</b>	Qld only	500 mL			
Turnip Weed Wild Turnip	<b>Cotyledon to 2 leaf</b>	NSW only (West of Newell Hwy.) SA only (Eyre peninsula north of the line between Venus Bay and Cowell)	350 mL			
<b>CEREALS</b> Wheat, Barley, Oats, Triticale, Cereal Rye	Furnitory	<b>2 – 6 leaf stage</b>	All States	500 + 200mL terbutryn (500g/L)		

**TABLE 2 - WEEDS SUPPRESSED**

CROP	WEEDS CONTROLLED	STAGE OF WEED GROWTH	STATE	RATE /ha	CRITICAL COMMENTS
<b>CEREALS</b> Wheat, Barley, Oats, Triticale, Cereal Rye (including cereals undersown with clover)  <b>PASTURE</b> Newly Sown and Established Clover-based pasture, Clover for Hay and Seed Production	Saffron Thistle	Up to 6 leaf stage	All States	1.0 L	<b>Refer to critical comments in the previous section.</b>
	Chickweed, Fireweed, Hexham Scent (King Island Mellilot), Iceplant, Mouse-eared Chickweed, Night-scented Stock, Paterson's Curse, Peppergrass, Skeleton Weed, Long Storksbill, Volunteer Lupins.	Up to 4 leaf stage		750 mL	
	Wireweed (hogweed)			1.0 L	
	Common Sowthistle (Milk Thistle), Cowvine, Dock, Doublegee, (Spiny Emex), Fat Hen, Horehound, Hyssop Loosestrife, Marshmallow, Rough Poppy, Scarlet Pimpernel, Stemless Thistle, Tree Hogweed, Variegated Thistle, Vetch (Tares).	Up to 2 leaf stage			
<b>CEREALS</b> Wheat, barley, oats, triticale, cereal rye	Wild radish	Up to the 4 leaf stage and not more than 120mm in diameter	All States	350mL plus 200mL L.V.E. MCPA (500g/L)	<b>Refer also to all Critical Comments relating to weed stage, grazing, application and wild radish above.</b> *Reduced efficacy (suppression only) may be achieved on wild radish larger than 8 leaf or greater than 180mm in diameter. DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. <b>Crop Stage</b> Weed Force Big Cat Broadleaf Herbicide 350mL + L.V.E. MCPA 200mL: Apply from 3 leaf to fully tillered (Zadoks Z13 to Z30). Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 200mL: Apply from 3 leaf to fully tillered (Zadoks Z13 to Z30). Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 400mL: Apply from 5 leaf stage to fully tillered (Zadoks Z15 to Z30). Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post-sowing). <b>WA only: DO NOT</b> apply to Barley or Kulin Wheat before the 5 leaf stage (Z15). <b>Warning:</b> Weed Force Big Cat Broadleaf Herbicide may cause transient crop yellowing of cereals. Some varieties of oats have not been tested. (Refer to 'Crop Tolerance' section of General Instructions). Observe instructions also on L.V.E. MCPA product label.
		Up to the 6 leaf stage and not more than 150mm in diameter		500mL plus 200mL L.V.E. MCPA (500g/L)	
		Up to the 8 leaf stage and not more than 180mm in diameter*		500mL plus 400mL L.V.E. MCPA (500g/L)	

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**WITHHOLDING PERIOD**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED**

**GRAZING:**

**All Crops: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.**

## GENERAL INSTRUCTIONS

### Tolerance

Some pre-emergence herbicides, such as atrazine, can cause stress to certain crops resulting in an increase in crop damage when using this product. Sub-clover is particularly sensitive.

### Cereals

After application some transient crop yellowing may occur. This usually appears as yellow or white banding on leaves.

Provided the crop is not under stress from pre-emergent herbicide, root disease, insect damage, frost, dry or excessively moist conditions, the development of the crop and subsequent growth will be unaffected.

### Warning (Oats)

The tolerance of varieties Esk and Nile (the two main varieties grown in Tasmania) to Weed Force Big Cat Broadleaf Herbicide has not been tested. Test a small area of crop before using Weed Force Big Cat Broadleaf Herbicide over large areas. Consult your local Weed Force representative for advice on specific varieties.

### Pasture

The tolerance of clover varieties to Weed Force Big Cat Broadleaf Herbicide can vary with rate of application, soil type, crop health, stage of growth and degree of moisture and temperature stress.

### Warning

Weed Force Big Cat Broadleaf Herbicide may result in transient crop yellowing and suppression of growth with a resultant initial reduction in dry matter, particularly at rates in excess of 500mL/ha and in areas of double spray. For this reason application is recommended prior to the 8<sup>th</sup> trifoliate leaf stage. However, at the lower rates (500mL/ha and less) and under normal growing conditions, subsequent growth and seed yield should not be affected.

Under normal growing conditions, the following varieties have shown acceptable levels of foliage tolerance to Weed Force Big Cat Broadleaf Herbicide applied at 500mL/ha:

**ArrowLeaf:** Zulu

**Balansa:** Paradana

**Berseem:** Sacromonte

**Persian:** Kyambro, Lupers, Maral

**White:** Haifa

**Subterranean Clover:** Daliak, Dalkeith, Denmark, Esperance, Geraldton, Goulburn, Karridale, Larissa, Leura, Mt. Barker, Nungarin, Rosedale, Seaton Park, Trikkala and Woogenellup. The effects of Weed Force Big Cat Broadleaf Herbicide on clover seed yield have been tested on the following varieties. Under normal growing conditions they show levels of tolerance to Weed Force Big Cat Broadleaf Herbicide applied at 500mL/ha

**Subterranean Clover:** Esperance, Goulburn, Larissa, Seaton Park and Trikkala.

### Warning

Rose and Strawberry clover have shown increased sensitivity to Weed Force Big Cat Broadleaf Herbicide. Weed Force Big Cat Broadleaf Herbicide may affect the seed of subterranean variety Woogenellup. Some pasture grasses, including Phalaris and Cocksfoot, may show some initial reduction in vegetative growth after application of Weed Force Big Cat Broadleaf Herbicide. Care should be exercised if sensitive clover varieties or grasses are included in the pasture sward. Varieties not listed should be tested before using Weed Force Big Cat Broadleaf Herbicide over large areas. Consult your local Weed Force representative for advice on specific varieties.

### Subsequent Crops

To reduce effect on susceptible crops (e.g. canola), ensure thorough cultivation of soil prior to the sowing of these crops.

### Mixing

To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly then add the remainder of the water. Agitate again before spraying commences. Reseal part-used product container immediately

after use. Spray mixtures containing Weed Force Big Cat Broadleaf Herbicide should not be left to stand overnight. Prolonged periods of exposure to cold temperature could result in settling out of the product in the mixture.

### Warning

The rubber components present in some spraying units may be affected by exposure to the solvents in Weed Force Big Cat Broadleaf Herbicide and some other agricultural products. To reduce the risk it is recommended that the spray unit be thoroughly washed with a boom cleaner and fresh water after use. Contact the spray unit manufacturer to determine the suitability of the rubber components for use with agricultural products.

### Application

#### Boom Sprayer

A minimum of 50L of water per hectare should be used, however, for optimum results water rates of 70-100L/ha are recommended. Increase the water volume if weed infestation is heavy or crop cover is dense. Complete coverage of weeds is essential.

#### Aircraft (NSW, Vic, SA only)

Apply in a minimum of 30L water per hectare. Effective control will only be achieved where good coverage of leaf surface is achieved.

### Compatibility

The following products are physically compatible with Weed Force Big Cat Broadleaf Herbicide as a two-way mixture in the spray tank but should only be used for the crops specified:

Crop	Weed Force Big Cat Broadleaf Herbicide	Compatible Product or active constituent
Wheat, triticale and cereal rye only	Up to 750mL/ha	Diclofop methyl (also barley)
Cereals (including undersown)	All rates	Chlorpyrifos (500g/L), dimethoate
	Up to 500 mL/ha	Weed Force Renovate, Chlorsulfuron, L.V.E. MCPA, Triasulfuron
Cereals (not undersown)		Bromoxynil (200g/L), Amine 625, clopyralid, Tordon 50-D, dicamba (900g/kg) (up to 115g only), Eclipse
Wheat, Barley, Triticale, and Cereal Rye only (not undersown)	All rates	Tralkoxydim
Wheat only (not undersown)		Clodinafop
Clover		Targa, Fusilade
	Up to 750mL/ha	Simazine Liquid, Simazine Liquid + paraquat mixture
Sub clover	Up to 1.0L/ha	2,4-DB amine (500g/L)

When mixing with other herbicides, crop yellowing may be enhanced. When mixing with Diclofop methyl some reduction in the efficacy and speed of action of these products may occur. If the crop is stressed, the application of the herbicide tank-mixtures may cause yield reduction. When mixing with dicamba dry a temporary wilting may be evident in some crops after application. Growers should seek advice before spraying recently released cereal varieties. Use the recommended rates for both herbicides in the tank-mixture as well as the surfactant recommendation of the grass herbicide. If another herbicide is applied as a tank mix, observe the plantback restrictions on that label. DO NOT add surfactant when mixing Weed Force Big Cat Broadleaf Herbicide and Weed Force Renovate.

**Simazine:** Refer to the simazine label for correct application rates, especially with regard to soil types. This product may be mixed in the spray tank with one of the following insecticides according to the directions for use on the product: Hallmark 50EC, Dominox 100EC, Karate, Decis Forte EC, and Taister.

## Warning

DO NOT use crop oils with Weed Force Big Cat Broadleaf Herbicide or Weed Force Big Cat Broadleaf Herbicide mixtures with other products in cereals. As formulations of other manufacturer's products are beyond the control of Weed Force Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

## RESISTANT WEEDS WARNING

GROUP	<b>F I</b>	HERBICIDE
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Weed Force Big Cat Broadleaf Herbicide is a member of the phenoxy and nicotinanalide groups of herbicides and acts by inhibiting carotenoid biosynthesis and disrupting plant cell growth. For weed resistance management Weed Force Big Cat Broadleaf Herbicide is both a Group F and a Group I herbicide. Some naturally occurring weed biotypes resistant to Weed Force Big Cat Broadleaf Herbicide and other Group F and Group I herbicides may exist through normal genetic variability in any weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Weed Force Big Cat Broadleaf Herbicide or other Group F or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Weed Force Pty Ltd accepts no liability for any losses that may result from the failure of Weed Force Big Cat Broadleaf Herbicide to control resistant weeds.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS.

DO NOT apply under weather conditions, or from spraying equipment, that may cause drift onto nearby susceptible plants/crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.

## PROTECTION OF LIVESTOCK

### Grazing Precaution

Sprayed weeds may become more palatable to stock and a higher intake of some weeds may result in stock poisoning and death from causes such as nitrate poisoning. Care should be taken especially where capeweed, Paterson's curse and variegated thistles predominate in the pasture. Avoid grazing with young or breeding stock. Do not graze horses or pigs on Paterson's curse. If in doubt, contact your nearest Department of Agriculture.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

## For refillable containers

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

## SAFETY DIRECTIONS

Harmful if swallowed. Will damage eyes. Will irritate the skin. Avoid contact with eyes and skin. When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves and face shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766. If swallowed, do NOT induce vomiting. If in eyes wash out immediately with water.

## SAFETY DATA SHEET (SDS)

The SDS contains important information relating to health and safety. This product should be used in conjunction with information on the SDS and users are advised to read the SDS before using this product. The most up to date SDS can be obtained from [www.weedforce.com.au](http://www.weedforce.com.au)

## CONDITIONS OF SALE

To the extent permitted by law, all conditions and warranties and statutory or other rights or action which buyer or any other user may have against Weed Force Pty Ltd ("Weed Force") or Seller are hereby excluded. Weed Force hereby gives Notice to Buyer and other users that it will not accept responsibility for any direct, indirect or consequential loss however arising (including negligence) from the sale, supply, use or application of this product or reliance on product information or advice provided by Weed Force or on its behalf. No warranty expressed or implied is given by Weed Force regarding its suitability or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not. Weed Force's liability shall, in all circumstances, be limited to replacement of the product or a refund of the purchase price paid therefor.



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