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



# BIG COT®

# 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



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

WEEDFORCE Pty Ltd ACN 602 207 152 2072 Logan Rd Mt Gravatt QLD 4122 P: 0488 997 923 www.weedforce.com.au

® Trademark of Weed Force Pty Ltd © Weed Force Pty Ltd 2020 APVMA Approval No: 89063/123530

## WEED FORCE BIG CAT BROADLEAF HERBICIDE

## DIRECTIONS FOR USE

### INDEX

WEED LIST	
RESTRAINTS	
TABLE 1 - WEEDS CONTROLLED	6
TABLE 2 - WEEDS SUPPRESSED	
WITHHOLDING PERIODS	
GENERAL INSTRUCTIONS	
TOLERANCE	10
MIXING	10
APPLICATION	
COMPATIBILITY	11
RESISTANT WEEDS WARNING	
PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS	
PROTECTION OF LIVESTOCK	
PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT	
STORAGE & DISPOSAL	
SAFETY DIRECTIONS	
FIRST AID	13
SAFETY DATA SHEET	
CONDITIONS OF SALE	

#### WEED LIST WEED

Common Name

Canola (Rape) Capeweed Charlock Chickweed Common Sowthistle (Milk Thistle) Corn Gromwell Cowvine Crassula Deadnettle Dense-flower Fumitory Dock Doublegee (Spiny Emex) Fat Hen Fireweed Fumitory 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 Sinanis arvensis Stellaria media Sonchus oleraceus Buglossoides arvense Ipomoea lonchophylla Crassula spp. Lamium amplexicaule Fumaria densiflora Rumex spp. Fmex australis Chenopodium album Senecio spp Fumitory spp. Sisymbrium officinale Melilotus indicus Marrubium vulgare Lythrum hyssopifolia Mesembryanthemum spp. Sisvmbrium orientale Sisymbrium irio Erodium botrvs Malva parviflora Cerastium alomeratum Matthiola longipetala Echium plantagineum Lepidium spp. Lactuca serriola Scleroblitum atriplicinum Papaver hybridum Carthamus lanatus Anagallis arvensis Capsella bursa-pastoris Chondrilla iuncea Rumex spp. Onopordum acaulon Juncus bufonius Polygonum patulum Rapistrum rugosum Silvbum 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
CEREALS Wheat, Barley, Oats, Triticale, Cereal Rye	Wild Radish	Up to the 2 leaf stage and not more than 60mm in diameter	WA only	250mL	CROP STAGE Cereals
(including cereals undersown with clover) PASTURE		Up to the 4 leaf stage and not more than 120mm in diameter	All States	500mL	Up to 750mL (3 leaf to late tillering stage - 21 3 to 30) Over 750mL (5 leaf to late tillering stage - 215 to 30) Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post sowing).
Newly Sown and Established Clover-based pasture, Clover for Hay and Seed Production Charlock, Hedge Mustard, Indian		Up to the 6 leaf stage and not more than 150mm in diameter	-	750mL	WA only:
		Up to the 8 leaf stage and not more than 180mm in diameter		1.0L	DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (215). Warning: Weed Force Big Cat Broadleaf Herbicide may cause transient crop yellowing of cereals. Some varieties of oats have
	Hedge Mustard, Shepherd's Purse,	Up to the 2 leaf stage and not more than 60mm in diameter		500mL	not been tested. (Refer to 'Crop Tolerance' section of General Instructions).
	Turnip Weed, Wild Turnip	Up to the 4 leaf stage and not more than 120mm in diameter		750mL	Application is recommended prior to the eighth trifoliate 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.
		Up to the 6 leaf stage and not more than 150mm in diameter		1.0L	Warning: 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 'Crop Tolerance' section of General Instructions).
	London Rocket	Up to the 5 leaf stage and not	Qld only	750mL	seed set of some varieties of clover. (Refer to "Crop forerance" section of General Instructions).
	Ward's Weed	more than 120mm in diameter	SA only		WEED STAGE Apply when weeds are actively growing. In most situations the rate specified for each weed size will give satisfactory control.
Capeweed	Capeweed	Up to the 2 leaf stage and not more than 60mm in diameter All States	All States	500mL	<ul> <li>Puppy when vectors are acurery growing, in most situations are rate specified for each vecto size will give satisfactory control.</li> <li>Under certain conditions such as:</li> <li>high crop and weed density</li> </ul>
		Up to the 4 leaf stage and not more than 120mm in diameter	-	1.0L	Late season germinations     abnormal weed growth (including early flowering), high rate of product (up to the maximum rate of application specified for that weed may be required.
	Crassula	Up to the 2 leaf stage		500mL	Weed Force Big Cat Broadleaf Herbicide will not effectively control:
		Up to the 4 leaf stage		750mL	regrowth of suppressed weeds;     transplanted weeds;
	Prickly Lettuce	Up to the 2 leaf stage		500mL	regrowth from rhizomes or roots;
		Up to the 4 leaf stage		750mL	weeds growing under stress from previous herbicide applications.
		Up to the 6 leaf stage	NSW, Vic SA only	1.0L	GRAZING
	Dense-flower Fumitory	Up to the 2 leaf stage		750mL	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.
Corn Gromwell, Toad Rush	Corn Gromwell, Saffron Thistle, Toad Rush			1.0L	
	Deadnettle			1.0L	APPLICATION Activity of this product will be reduced if weeds are stressed. Optimum results will be obtained if good soil moisture exists at and
	Sorrel	Up to 2 leaf stage	Vic only	1.0 L	after application. Where crop or weed density is high, water volume should be increased.
	Canola (Rape)	Up to 4 leaf stage	All States	500 mL	WILD KAUISH 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:
	Purple Goosefoot	Up to 6 leaf stage	Qld only	500 mL	rates lower than 1.0L/ha are used;     du conditions provide
		Cotyledon to 2 leaf	NSW only (West of Newell Hwy.) SA only (Eyre peninsula north of the line between Venus Bay and Cowell)	350 mL	dry conditions prevail;     por converge of the soil surface is achieved;     crop is planted in non-wetting sand;     soils contain a high content of organic matter.     Optimum results will be obtained if good soil moisture exists at and after application.
CEREALS Wheat, Barley, Oats, Triticale, Cereal Rye	Fumitory	2 – 6 leaf stage	All States	500 + 200mL terbutryn (500g/L	

#### TABLE 2 - WEEDS SUPPRESSED

CROP	WEEDS CONTROLLED	STAGE OF WEED GROWTH	STATE	RATE /ha	CRITICAL COMMENTS
CEREALS	Saffron Thistle	Up to 6 leaf stage	All States	1.0 L	Refer to critical comments in the previous section.
Wheat, Barley, Otats, Triticale, Cereal Hye (including cereals undersown with clover) <b>PASTURE</b> Newly Sown and Established Clover- based pasture, Clover for Hay and Seed Production	Chickweed, Fireweed, Hexham Scent (King Island Meillot), Iceplant, Mouse-eared Chickweed, Night-scented Stock, Paterson's Curse, Peppercress, Skeleton Weed, Long Storksbill, Volunteer Lupins.	Up to 4 leaf stage			
	Wireweed (hogweed)			750 mL	
	Common Sowthistle (Milk Thistle), Cowine, Dock, Doublegee, (Spiny Emex), Fat Hen, Horehound, Hyssop Loosestrife, Marshmallow, Rough Poppy, Scarlet Pimpernel, Stemless Thistle, Tree Hogweed, Varigated Thistle, Vetch (Tares).	Up to 2 leaf stage		1.0 L	
CEREALS 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)	Refer also to all Critical Comments relating to weed stage, grazing, application and wild radish above. "Reduced efficacy (suppression only) may be achieved on wild radish larger than 8 leaf or greater than 180mm in diameter.
п 	Up to the 6 leaf stage and not more than 150mm in diameter		500mL plus 200mL L.V.E. MCPA (500g/L)	<ul> <li>D0 NDT use this tank-mix if cereals are undersown with lucerne or annual medics. Crop Stage</li> <li>Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 200mL: Apply from 3 leaf to fully tillered (Zadoks Z13 to Z3)</li> <li>Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 200mL: Apply from 3 leaf to fully tillered (Zadoks Z13 to Z3)</li> <li>Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 200mL: Apply from 3 leaf to fully tillered (Zadoks Z13 to Z3)</li> <li>Weed Force Big Cat Broadleaf Herbicide 500mL + L.V.E. MCPA 400mL: Apply from 3 leaf to fully tillered (Zadoks Z15 to Z30).</li> <li>Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post-sowing).</li> <li>WA only: D0 MT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15).</li> <li>Warming: Weed Force Big Cat Broadleaf Herbicide may cause transient crop yellowing of cereals. Some varieties of oats he not been tested. (Refer to 'Crop Tolerance' section of General Instructions).</li> <li>Observe instructions also on L.V.E. MCPA product label.</li> </ul>	
	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
Berseem: Sacromonte

Balansa: Paradana Persian: Kvambro, Lupers, Maral

White: Haifa

Subterranean Clover: Daliak, Dalkeith, Denmark, Esperance, Geraldton, Goulburn, Karridale, Larissa, Leura, Mt. Barker, Nungarin, Rosedale, Seaton Park, Tirkkala 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 apolied 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 yield 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:

Сгор	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		
Cereals (not undersown)	Up to 500 mL/ha	Weed Force Renovate, Chlorsulfuron, L.V.E. MCPA, Triasulfuron		
		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	Up to 750mL/ha	Targa, Fusilade		
Sub clover	up to 730mL/na	Simazine Liquid, Simazine Liquid + paraquat mixture		
	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 tankmixtures may cause yield reduction. When mixing with dicamba dry a temporary withing 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, Dominex 100EC, Karate, Decis Forte EC, and Talstar.

#### 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



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 12 and a Group 4 herbicide. Some naturally occurring weed biotypes resistant to Weed Force Big Cat Broadleaf Herbicide and other Group 12 and Group 4 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 12 or Group 4 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 breading 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 scap 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

#### 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.



WEEDFORCE Pty Ltd ACN 602 207 152 2072 Logan Rd Mt Gravatt QLD 4122 P: 0488 997 923 www.weedforce.com.au

TM Trademark of Weed Force Pty Ltd © Weed Force Pty Ltd 2020 APVMA Approval No: 89063/123530