

CAUTION

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

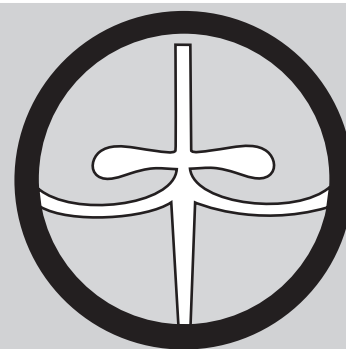
Farmoz

Excalibur[®]

HERBICIDE

ACTIVE CONSTITUENT: 750 g/kg SULFOMETURON METHYL

GROUP B HERBICIDE



For control of certain annual and perennial grasses and broadleaf weeds in commercial and industrial areas; around agricultural buildings and rights of way as specified in the Directions for Use table.

www.farmoz.com.au

DIRECTIONS FOR USE

RESTRAINTS: DO NOT apply EXCALIBUR to drainage ditches and channels.
DO NOT apply EXCALIBUR during periods of intense rainfall, or to soils saturated with water, as off-target movement may occur.
DO NOT store tank mixes of EXCALIBUR with other materials for more than 24 hours as product breakdown may occur.
DO NOT store a suspension of EXCALIBUR for more than 2 days as it may degrade, particularly in acid solutions.

SITUATION	WEEDS	RATE			CRITICAL COMMENTS
		BOOM g/ha	HANDGUN g/100 L	KNAPSACK g/15 L	
Commercial & Industrial Areas, around Agricultural buildings, Rights-of-Way including roadsides, around guideposts, rail ways, power lines and telephone lines	<u>Easy-to-kill Annual Weeds</u> Grasses – Annual Ryegrass, Barnyard Grass, Summer Grass/Crab Grass, Wild Oats, Winter Grass. Broadleaves – Blue Billygoat Weed, Capeweed, Corkscrew (Erodium), Paterson’s Curse/Salvation Jane, Subterannean Clover and Turnip Weed.	200 or 400	20 or 40	3 or 6	For roadside applications confine treatment to the area between the edge of the bitumen and the roadside shoulder. For weeds advanced beyond the 4-leaf stage or when more rapid knockdown is required, tank mix with WIPE-OUT 360 Herbicide in accordance with its label recommendation. Always add a surfactant – except where tank mixing with WIPE-OUT 360 Herbicide. Use the higher rate for longer term residual control. Use the higher rate plus WIPE-OUT 360 Herbicide (in accordance with the label recommendations) for dense weed infestations and where weeds are greater than 15 cm in height or diameter. For handgun or knapsack application, apply the spray early to the required area. Spray to wet the foliage of the weeds present, but not excessively so as to cause run-off. Over application may reduce knockdown results and significantly increase period of residual control.
	<u>Easy-to-kill Perennial Weeds</u> Grasses – Prairie Grass. Broadleaves – Dandelion, Dock, White Clover.				
	<u>Hard-to-kill Annual Weeds</u> Grasses – Rat’s Tail Fescue, Squirrel Tail Fescue Broadleaves – Black Thistle, Spear Thistle	400 or 800	40 or 80	6 or 12	For roadside applications confine treatment to the area between the edge of the bitumen and the roadside shoulder. Always tank mix with WIPE-OUT 360 Herbicide (in accordance with the label recommendations) a surfactant is not required. Use the higher rate plus WIPE-OUT 360 Herbicide (in accordance with the label recommendations) for dense weed infestations and where weeds are greater than 15 cm in height or diameter. Use the higher rate for longer term residual control. For handgun or knapsack application, apply the spray early to the required area. Spray to wet the foliage of the weeds present, but not excessively so as to cause run-off. Over application may reduce knockdown results and significantly increase period of residual control.
	<u>Hard-to-kill Perennial Weeds</u> Grasses – African Lovegrass, Columbus Grass, Couch, Elastic Grass, Guinea Grass, Johnson Grass, Kikuyi, Paspalum and Phalaris				

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

WITHHOLDING PERIODS: NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

FARMOZ EXCALIBUR® Herbicide is a soil residual herbicide with some knockdown action. It controls susceptible weeds through both post-emergence and pre-emergence (residual) action. EXCALIBUR may be applied pre-emergence or post-emergence to the weeds; best results are obtained if application is made before or during the early stages of weed growth. Adequate soil moisture is required for EXCALIBUR to be activated so it can provide optimum weed control. Under limited rainfall conditions, EXCALIBUR may not provide satisfactory control of hard-to-kill annuals and perennial weeds. The higher use rates give longer term residual control. The degree of control and duration of effect will vary with the rate of application, soil texture, organic matter, soil pH, rainfall and other environmental conditions. As soil pH increases the rate of EXCALIBUR breakdown decreases so that longest term residual control is obtained on alkaline soils. As soil moisture increases the rate of EXCALIBUR breakdown increases, so that longest term residual control is obtained when rainfall is low. As soil organic matter content increases the rate of EXCALIBUR breakdown increases, so that longest term residual control is obtained in low organic matter soils.

RESISTANCE WEEDS WARNING

FARMOZ EXCALIBUR® Herbicide is a

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 member of the sulfonylurea group of herbicides. EXCALIBUR has the ALS inhibitor mode of action. For weed resistance management EXCALIBUR is a Group B herbicide. Some naturally occurring weed biotypes resistant to EXCALIBUR and other Group B herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by EXCALIBUR or other Group B herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, FARMOZ Pty. Ltd. accepts no liability for any losses that may result from the failure of EXCALIBUR to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultants, local Department of Agriculture or Primary Industries, or local FARMOZ representative.

SPRAY PREPARATION

EXCALIBUR is a dry flowable formulation to be mixed with water and applied as a spray. Partially fill the spray tank with water. Add the correct amount of EXCALIBUR to the spray tank with the agitation system engaged. Top up to the correct volume with water. **THE MATERIAL MUST BE KEPT IN SUSPENSION AT ALL TIMES BY CONTINUOUS AGITATION.**

In tank mixes, EXCALIBUR must be in suspension before adding the companion herbicide or surfactant.

Where prepared spray solutions have been allowed to stand, thoroughly re-agitate before using.

USE OF SURFACTANT

Always add a non-ionic surfactant, at the rate of 0.25% v/v (eg BS 1000 at 250 mL/100 L) when EXCALIBUR is used alone. When EXCALIBUR is tank mixed with WIPE-OUT 360 Herbicide, no surfactant addition is necessary.

SPRAYING EQUIPMENT

DO NOT apply by aerial application equipment or mist spray application equipment.

BOOM SPRAY

EXCALIBUR is recommended for application by ground spraying equipment only. Use a boom spray (or off-centre nozzle if necessary) properly calibrated to a constant speed and rate of delivery to ensure thorough coverage and a uniform spray pattern and rate of application over the area to be treated. Apply a minimum of 50 L prepared spray/ha.

HANDGUN/KNAPSACK

Wet the foliage of the weeds present but not excessively so as to cause run-off.

Handgun – Use 1000-2000 litres of spray mix per hectare.

EXCALIBUR residues in the spray tank can damage sensitive plants. Following an EXCALIBUR application the spray tank should not be used for other than non-crop applications.

COMPATIBILITY

EXCALIBUR is compatible with Hyvar* X, Karmex*, Kromac*, WIPE-OUT® 360 and Velpar* DF.

PACK SIZE: 1 kg, 1.5 kg

SPRAYER CLEANUP

EXCALIBUR residues in the spray tank can damage sensitive plants. It is recommended that a sprayer be dedicated to the use of EXCALIBUR. Where equipment is also used for crop spraying, it is particularly important that all traces of EXCALIBUR be removed from mixing and spraying equipment immediately after spraying. The recommended sprayer cleanup is as follows:

1. Drain tank, then flush tank, boom, filters and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 300 mL chlorine bleach (containing 4% chlorine) per 100 L water. Flush through boom, filters and hoses, then allow to sit for 15 minutes with agitation engaged, then drain.
3. Repeat Step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through boom, filters and hoses.

Caution: DO NOT use chlorine bleach with ammonia.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply to drainage ditches (including roadside ditches and table drains) and channels as some of the chemical may wash away in drainage water and be deposited in areas where it may cause damage to desirable trees and other plants.

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures, or onto agricultural land scheduled to be planted to crops or pastures, as injury to the crop or pasture may occur.

PROTECTION OF LIVESTOCK

DO NOT graze treated areas or cut for stock food.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT apply or drain or flush equipment on or near desirable trees or other plants, or in areas where their roots extend, or in locations where the chemical may be washed or moved into contact with their roots.

DO NOT contaminate any body of water by spraying, cleaning of equipment, disposal of waste, or run-off from treated areas. If accidental contamination does occur, the water must not be used for irrigation.

STORAGE AND DISPOSAL

During storage keep from contact with fertilizers, other pesticides and seeds. Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Will irritate the eyes. May irritate the nose, throat and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. If product in eyes, wash it out immediately with water. When opening the container and preparing product for use wear cotton overalls buttoned to the neck and wrist, elbow-length rubber gloves, goggles and half facepiece respirator. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and elbow-length rubber gloves. Wash hands after use. After each day's use, wash gloves, goggles, respirator, and if rubber wash with detergent and warm water, and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre on 131126.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for EXCALIBUR is available from FARMOZ on request. Call Customer Service on (02) 9431 7800.

CONDITIONS OF SALE: The use of FARMOZ EXCALIBUR Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by FARMOZ Pty. Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and FARMOZ Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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NOT A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

