

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

**Sabakem**  
**Reckon-M 275EC®**  
 Selective 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 F I HERBICIDE**

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

**IMPORTANT: READ THIS LEAFLET BEFORE OPENING OR USING THIS PRODUCT**

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Leaflet\_0121

APVMA Approval No: 69242/ 60332

WEED LIST	
Common Name	Scientific Name
Canola (Rape)	<i>Brassica napus</i>
Capeweed	<i>Arctotheca calendula</i>
Charlock	<i>Sinapis arvensis</i>
Chickweed	<i>Stellaria media</i>
Common Sowthistle (Milk Thistle)	<i>Sonchus oleraceus</i>
Corn Gromwell	<i>Buglossoides arvensis</i>
Cowvine	<i>Ipomoea lonchophylla</i>
Crassula	<i>Crassula</i> spp.
Deadnettle	<i>Lamium amplexicaule</i>
Dense-flower Fumitory	<i>Fumaria densiflora</i>
Dock	<i>Rumex</i> spp.
Doublegee (Spiny Emex)	<i>Emex australis</i>
Fat Hen	<i>Chenopodium album</i>
Fireweed	<i>Senecio</i> spp.
Fumitory	<i>Fumitory</i> spp.
Hedge Mustard	<i>Sisymbrium officinale</i>
Hexham Scent (King Island Melilot)	<i>Melilotus indicus</i>
Horehound	<i>Marrubium vulgare</i>
Hyssop Loosestrife	<i>Lythrum hyssopifolia</i>
Iceplant	<i>Mesembryanthemum</i> spp.
Indian Hedge Mustard	<i>Sisymbrium orientale</i>
London Rocket	<i>Sisymbrium irio</i>
Long Storksbill	<i>Erodium botrys</i>
Marshmallow	<i>Malva parviflora</i>
Mouse-eared Chickweed	<i>Cerastium glomeratum</i>
Night-scented Stock	<i>Matthiola longipetala</i>
Paterson's Curse	<i>Echium plantagineum</i>
Peppercress	<i>Lepidium</i> spp.
Prickly Lettuce	<i>Lactuca serriola</i>
Purple Goosefoot	<i>Scleroblitum atriplicinum</i>
Rough Poppy	<i>Papaver hybridum</i>
Saffron Thistle	<i>Carthamus lanatus</i>
Scarlet Pimpernel	<i>Anagallis arvensis</i>
Shepherd's Purse	<i>Capsella bursa-pastoris</i>
Skeleton Weed	<i>Chondrilla juncea</i>
Sorrel	<i>Rumex</i> spp.
Stemless Thistle	<i>Onopordum acaulon</i>
Toad Rush	<i>Juncus bufonius</i>
Tree Hogweed	<i>Polygonum patulum</i>
Turnip Weed	<i>Rapistrum rugosum</i>
Variegated Thistle	<i>Silybum marianum</i>
Vetch (Tares)	<i>Vicia sativa</i>
Volunteer Lupins	<i>Lupinus</i> spp.
Ward's Weed	<i>Carrichtera annua</i>
Wild Radish	<i>Raphanus raphanistrum</i>
Wild Turnip	<i>Brassica tournefortii</i>
Wireweed (Hogweed)	<i>Polygonum aviculare</i>

**GENERAL INSTRUCTIONS**

**RESISTANT WEEDS WARNING**

Sabakem Reckon-M 275EC® Selective 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 Sabakem Reckon-M 275EC® is both a Group F and a Group I herbicide. Some naturally occurring weed biotypes resistant to Sabakem Reckon-M 275EC® and other Group F and Group I herbicides may exist through normal genetic variability in and 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 Sabakem Reckon-M 275EC® or other Group F or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sabakem Pty Ltd accepts no liability for any losses that may result from the failure of Sabakem Reckon-M 275EC® to control resistant weeds.

**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 Sabakem Reckon-M 275EC® has not been tested. Test a small area of crop before using Sabakem Reckon-M 275EC® over large areas. Consult your local Sabakem Pty Ltd representative for advice on specific varieties.

**Pasture**

The tolerance of clover varieties to Sabakem Reckon-M 275EC® can vary with rate of application, soil type, crop health, stage of growth and degree of moisture and temperature stress.

**Warning:** Sabakem Reckon-M 275EC® 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 8th 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 Sabakem Reckon-M 275EC® applied at 500mL/ha:

ArrowLeaf: Zulu  
 Berseem: Sacromonte  
 White: Haifa

Balansa: Paradana  
 Persian: Kyambro, Lupers, Maral  
 Subterranean Clover: Daliak, Dalkeith, Denmark, Esperance, Geraldton, Goulburn, Karridale, Larissa, Leura, Mt. Barker, Nungarin, Rosedale, Seaton Park, Trikkala and Woogenellup. The effects of Sabakem Reckon-M 275EC® on clover seed yield have been tested on the following varieties. Under normal growing conditions they show levels of tolerance to Sabakem Reckon-M® applied at 500mL/ha  
 Subterranean Clover: Esperance, Goulburn, Larissa, Seaton Park and Trikkala.

**Warning:** Rose and Strawberry clover have shown increased sensitivity to Sabakem Reckon-M 275EC®. Sabakem Reckon-M 275EC® 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 Sabakem Reckon-M 275EC®. Care should be exercised if sensitive clover varieties or grasses are included in the pasture sward. Varieties not listed should be tested before using Sabakem Reckon-M 275EC® over large areas. Consult your local Sabakem Pty Ltd 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 Sabakem Reckon-M 275EC® 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 Sabakem Reckon-M 275EC® 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 Sabakem Reckon-M 275EC® as a two-way mixture in the spray tank but should only be used for the crops specified:

Crop	RECKON-M 275EC	Compatible Product
Wheat, triticale and cereal rye only	Up to 750mL/ha	Hoegrass <sup>1</sup> (also barley), Puma <sup>1</sup> Progress (wild oats only), Tristar <sup>1</sup> Advance (1.5L rate only), Wildcat <sup>1</sup> (wild oats only)
Cereals (including undersown)	All rates	Chlorpyrifos (500g/L), dimethoate, endosulfan
Cereals (not undersown)	Up to 500 mL/ha	Metsulfuron, Chlorsulfuron, L.V.E. MCPA, triasulfuron
	All rates	Bromoxynil (200g/L), Amine 625, clopyralid, Tordon <sup>1</sup> 50-D, dicamba (900g/kg) (up to 115g only), Eclipse <sup>1</sup>
Wheat, Barley, Triticale, and Cereal Rye only (not undersown)		Tralkoxydim
Wheat only (not undersown)		Clodinafop
Clover	Up to 750mL/ha	Targa <sup>1</sup> , Fusilade <sup>1</sup>
Sub clover		Simazine Liquid, Simazine Liquid + Nuquat Nuquat 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 Hoegrass<sup>1</sup>, Wildcat<sup>1</sup>, Puma<sup>1</sup> Progress or Tristar<sup>1</sup> Advance 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 700WG 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 Sabakem Reckon-M 275EC® and metsulfuron.

**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<sup>1</sup> Forte EC, and Talstar<sup>1</sup>.

**Warning:** DO NOT use crop oils with Sabakem Reckon-M 275EC® or Sabakem Reckon-M 275EC® mixtures with other products in cereals. As formulations of other manufacturer's products are beyond the control of Sabakem Pty Ltd, all mixtures should be tested prior to mixing commercial quantities.

**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 waterways 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. The method of disposal of the container depends on the container type. Read the 'Storage and Disposal' statement on the label that is attached to the container.

**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. If swallowed, do NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

**SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS), which can be obtained from the supplier.

**CONDITIONS OF SALE:** The use of this product is beyond the control of Sabakem Pty Ltd. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Sabakem Pty Ltd accepts no responsibility for any consequences resulting from the use of this product. Sabakem Pty Ltd will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

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† Not a trade mark of Sabakem Pty Ltd

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: None

**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.

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	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> Up to 750mL (3 leaf to late tillering stage – Z13 to 30) Over 750mL (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> DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15). <b>Warning:</b> Sabakem Reckon-M 275EC® may cause transient crop yellowing of cereals. Some varieties of oats have not been tested. (Refer to 'Crop Tolerance' section of General Instructions). <b>Clover</b> 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. <b>Warning:</b> Sabakem Reckon-M 275EC® 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). <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: • high crop and weed density; • 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. Sabakem Reckon-M 275EC® will not effectively control: • regrowth of suppressed weeds; • transplanted weeds; • regrowth from rhizomes or roots; • weeds growing under stress from previous herbicide applications. <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> Sabakem Reckon-M 275EC® will provide residual control of Wild Radish for up to 4 weeks after application. Effective residual activity of this product may be reduced where: • rates lower than 1.0L/ha are used; • dry conditions prevail; • poor coverage 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.
		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	
	Charlock, Hedge Mustard, Indian Hedge Mustard, Shepherd's Purse, Turnip Weed, Wild Turnip	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	Qld 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 Fumitory	Up to the 2 leaf stage		750mL	
Corn Gromwell, Saffron Thistle, Toad Rush			1.0L		
Deadnettle		NSW, Vic, SA only	1.0L		
Sorrel	Up to 2 leaf stage	Vic only	1.0 L		
Canola (Rape)	Up to 4 leaf stage	All States	500 mL		
Purple Goosefoot	Up to 6 leaf stage	Qld only	500 mL		
Turnip Weed, Wild Turnip	Cotyledon to 2 leaf	NSW only (West of Newell Hwy.) SA only (Eye peninsula north of the line between Venus Bay and Cowell)	350 mL		
<b>CEREALS</b> Wheat, Barley, Oats, Triticale, Cereal Rye	Fumitory	2 – 6 leaf stage	All States	500 + 200mL terbutryn (500g/L)	

**SUPPRESSION OF THE FOLLOWING WEEDS**

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	Refer to critical comments in the previous section.
		Up to 4 leaf stage			
	Wireweed (hogweed)			750 mL	
	Common Sowthistle (Milk Thistle), Cowvine, 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	
<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)	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. DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. Crop Stage <b>Sabakem Reckon-M 275EC® 350mL + L.V.E. MCPA 200mL:</b> Apply from 3 leaf to fully tillered (Zadoks Z13 to Z30). <b>Sabakem Reckon-M 275EC® 500mL + L.V.E. MCPA 200mL:</b> Apply from 3 leaf to fully tillered (Zadoks Z13 to Z30). <b>Sabakem Reckon-M 275EC® 500mL + L.V.E. MCPA 400mL:</b> 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:</b> DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (Z15). <b>Warning:</b> Sabakem Reckon-M 275EC® 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**

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

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