



Product Name: CHEMAG THOR 250EC HERBICIDE
APVMA Approval No: 60141/127180

Label Name:	CHEMAG THOR 250EC HERBICIDE
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Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENTS: 125 g/L ORYZALIN + 125 g/L TRIFLURALIN
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Mode of Action:	<table border="1"><tr><td>GROUP</td><td>D</td><td>HERBICIDE</td></tr></table>	GROUP	D	HERBICIDE
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Statement of Claims:	For pre-emergent control of Annual Ryegrass, Phalaris, Wireweed (Hogweed) and Deadnettle in Wheat, Barley, Canola and Mustard (oilseed cultivars) as specified in the Directions for Use table.
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Net Contents:	20L - 1000L
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Restrains:	<p>DO NOT sow at speeds lower than 10 kilometers per hour when using the combine as the only method of incorporation.</p> <p>DO NOT use a disc-type seeder.</p> <p>DO NOT apply to areas with high weed seed burdens as a result of ineffective weed control in the previous season or directly after pasture.</p> <p>DO NOT rely exclusively on THOR 250EC for grass weed control. Use as part of a weed resistance management program involving herbicides with other modes of action (see GENERAL INSTRUCTIONS) and also non-chemical methods of control.</p>
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	NOT REQUIRED WHEN USED AS DIRECTED.
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Trade Advice:	
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General Instructions:	<p>MIXING THOR 250EC is an emulsifiable concentrate, which mixes readily with water. Agitate the drum thoroughly before opening. Add the required quantity of THOR 250EC directly to the spray tank when about two-thirds full of water. Top up with water to the required volume, with agitators in motion.</p> <p>EQUIPMENT Standard low pressure (170 to 340 kPa) boom sprayers only are recommended and must be fitted with by-pass or mechanical agitation. It is recommended to use 50 to 100 L water/ha. DO NOT apply with boomless jets or misters. Poor weed control may result if directions are not closely followed. Overlapping or using higher than recommended application rates may result in crop injury or excessive soil residues.</p> <p>INCORPORATION Thorough incorporation of THOR 250EC to depth of 4 cm within 4 hours of application, followed by the sowing process will give superior control of weeds to that achieved by incorporation by the sowing process alone.</p> <p>DIRECT SEEDING APPLICATION Add the recommended amount of THOR 250EC and the label recommended quantity of a suitable knockdown herbicides such as paraquat, combinations of paraquat and diquat or glyphosate, to water in the spray tank during the filling operation. (Note: When THOR 250EC is tank mixed with glyphosate or paraquat/diquat mixtures, the mixture should be kept thoroughly agitated and sprayed within on (1) hour of mixing).</p>
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Resistance Warning:	<p>GROUP D HERBICIDE THOR 250EC is a member of the dinitroanilines group of herbicides. This product has the inhibitors of tubulin formation mode of action. For weed resistance management, the product is Group D herbicide. Some naturally occurring weed biotypes resistant to the product and other Group D 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 this product or other Group D herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no liability for any losses that may result from the failure of THOR 250EC to control resistant weeds.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p>
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DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Storage and Disposal:

Store in the closed, original container in 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 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.

Envirodrum – Micro Matic Valve (60L, 110L)

Store the original sealed Envirodrum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any foreign matter. After each use hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the Envirodrum to the point of purchase.

For refillable containers: empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SMALL SPILL MANAGEMENT

Wear protective equipment (see Safety Directions). Apply absorbent material such as earth, sand, clay, granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see Storage and Disposal section). If necessary wash the spill area with an alkali detergent and water and absorb the wash liquid for disposal as described above.

Safety Directions:

Harmful if swallowed. Poisonous if inhaled. Will damage eyes. May irritate the nose and throat. Will irritate the skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. DO NOT inhale spray mist. When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length chemical resistant gloves, goggles and half-piece respirator. When using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow length chemical resistant gloves. If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and 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, goggles, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

First Aid Instructions:

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.

First Aid Warnings:

(For use in NSW, ACT, Vic, SA, WA only):

CROP/SITUATION	WEED	RATE L/ha	CRITICAL COMMENTS
Wheat, Barley, Canola, Mustard (oilseed cultivars) (<i>Brassica juncea</i>) conventional cultivation	Annual Ryegrass, Annual Phalaris, Wireweed (Hogweed), Deadnettle. Suppression of silvergrass (<i>Vulpia spp.</i>) and partial Suppression of Wild Oats and Fumitory	1.6	<p>When to apply: Apply THOR 250EC from 5 days before sowing to just before sowing. Spraying and sowing may be done at the same time provided the boom is mounted in front of the tractor or combine. Sowing generally provides the mixing necessary to activate THOR 250EC however, for optimal weed control, full incorporation of THOR 250EC within 4 hours of application is recommended.</p> <p>Soil Preparation: Area to be treated should be clear (<25% surface area covered) of established weeds, large clods or stones and plant trash. If >25% surface area is covered, or significant weed germination has occurred, requiring a knockdown herbicide, treat as a direct seeding situation.</p> <p>Sowing depth: Cereal seed should be sown to a depth of a least 5 cm. Deeper sowing of short-strawed wheat varieties may lead to poor crop establishment. Canola seed should be sown at its normal sowing depth of 2 to 4 cm. When relying entirely on the sowing operation for incorporation of THOR 250EC, use a standard tyned combine with 10 cm points. Cover harrows should be used to leave the soil in a relatively flat condition.</p>
Wheat, Barley, Canola, Mustard (oilseed cultivars) (<i>Brassica juncea</i>) direct seeding (including mixtures with knockdown herbicides)	Annual Ryegrass, Annual Phalaris, Wireweed (Hogweed), Deadnettle and partial Suppression of Wild Oats and Fumitory	2.3	<p>When to apply: Apply THOR 250EC as close as possible to the time of sowing and no longer than 5 days before sowing.</p> <p>Seed-bed preparation: Weed growth should be continually heavily grazed until herbicide application. (Manufacturer's recommendations for knockdown herbicides must be observed for use on grazed mature plants). Stock should be removed before spraying seed bed with the tank mix of THOR 250EC and the knockdown herbicide. After spraying with the THOR 250EC/knockdown herbicide mixture, it is best to delay direct sowing for at least 1 day (depending on recommendations on knockdown product label). In some seed-bed conditions, a shallow cultivation may be necessary either before or after herbicide spraying to aid penetration of the seeding combine tynes.</p> <p>Sowing depth: Cereal seed should be sown to a depth of at least 5 cm. Deeper sowing of short-strawed wheat varieties may lead to poor crop establishment. Canola seed should be sown at its normal sowing depth of 2 to 4 cm. Use a standard tyned combine with 10 cm points for sowing. Cover harrows should be used to leave the soil in a relatively flat condition.</p>

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