



Duet™ 250 EC

Herbicide

**ACTIVE CONSTITUENTS: 125 g/L ORYZALIN
125 g/L TRIFLURALIN**

For pre-emergent control of annual ryegrass, phalaris, wireweed (hogweed) and deadnettle in wheat, barley and canola as specified in the Directions for Use table.

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

Restrains: DO NOT sow at speeds lower than 10 kilometres per hour when using the combine as the only method of incorporation.
DO NOT use a disc-type seeder.
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.
DO NOT rely exclusively on DUET 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.

CROP/SITUATION	WEED	RATE L/ha	CRITICAL COMMENTS
Wheat, barley, canola, conventional cultivation	Annual ryegrass, annual phalaris, wireweed (hogweed), deadnettle. Suppression of silvergrass (<i>Vulpia</i> spp.) and partial suppression of wild oats and fumitory.	1.6	<p>When to apply: Apply DUET 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 DUET however, for optimal weed control, full incorporation of DUET 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 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. When relying entirely on the sowing operation for incorporation of DUET, 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, 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 DUET 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 DUET and the knockdown herbicide. After spraying with the DUET/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.

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.



GENERAL INSTRUCTIONS

MIXING

DUET is an emulsifiable concentrate which mixes readily with water. Agitate the drum thoroughly before opening. Add the required quantity of DUET directly to the spray tank when about two-thirds full of water. Top up with water to the required volume, with agitators in motion.

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.

INCORPORATION

Thorough incorporation of DUET to a 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.

DIRECT SEEDING APPLICATION

Add the recommended amount of DUET 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 DUET is tank mixed with glyphosate or paraquat/diquat mixtures, the mixture should be kept thoroughly agitated and sprayed within one (1) hour of mixing.)

RESISTANCE WEEDS WARNING

FARMOZ DUET 250 EC Herbicide is a **GROUP D HERBICIDE** 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 inhibitors of tubulin formation 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 inhibitors of tubulin formation 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 this product to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local FARMOZ representative.

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.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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. 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.

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

Envirodrum – Micro Matic Valve (60, 110 L)

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 of the product, please ensure that the Micro Matic coupler delivery system and 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. The Envirodrum remains the property of FARMOZ Pty. Ltd.

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. Will irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When opening the container and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. 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 on 131126. If swallowed, DO NOT induce vomiting, give a glass of water.

MSDS

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for DUET is available from FARMOZ on request. Call Customer Service on (02) 9363 3611.

CONDITIONS OF SALE: The use of FARMOZ DUET 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 from the use of this product.

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PACK SIZES: 20 L, 60 L, 110 L, 200 L, 1000 L

