

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

QA

Triallate 500 EC

HERBICIDE

ACTIVE CONSTITUENT: 500 g/L TRIALLATE
SOLVENT: 426 g/L HYDROCARBON LIQUID

GROUP **15** HERBICIDE

For the control of Wild oats in Wheat, Triticale, Canola (Rapeseed), Chickpeas, Barley, Peas, Linseed, Lupins, Mustard, Faba beans, Oil Seed Poppy and Safflower and for use in mixtures with QA Trifluralin 480 EC Herbicide for control of a range of grass and broadleaf weeds in no-till/min-till cropping systems, pre-sowing or incorporated by sowing (IBS) as per directions for use.

APVMA Approval No.: 96547/149841

EC Formulation Type
Emulsifiable
Concentrate

**BE PROUDLY
AUSTRALIAN**

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 **QUANTUM
AGROSCIENCES**

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IMPORTANT: READ THIS LEAFLET BEFORE USE



DIRECTIONS FOR USE

CROP	WEEDS CONTROLLED	STATE	RATE L/Ha
Barley, Triticale, Wheat, Chickpeas, Faba beans, Lupins, Peas Linseed, Canola, Mustard (oilseed cultivars, Brassica juncea), Safflower	Wild Oats	All States	1.6L
Wheat, Barley and Triticale	Annual, Ryegrass, Wireweed, <i>Phalaris</i> spp., Fumitory, Wild Oats, Cereal oats, Sand Fescue (<i>Vulpia fasciculata</i>), Silvergrass (<i>Vulpia bromoides</i>) Wintergrass (<i>Poa annua</i>), Paradoxa Grass (Canary Grass) (<i>Phalaris paradoxa</i>), Corn Gromwell (Sheepweed) (<i>Buglossoides anvensis</i>), Rough Poppy (<i>Papaver hybridum</i>) Suppression Soil Surface - Bromegrass (<i>Bromus diandrus</i>), Barleygrass (<i>Hordeum leporinum</i>), Three Cornered Jack (doublegee) (<i>Emex australis</i>), Caltrop (Yellowvine & Bullhead) (<i>Tribulus terrestris</i>), Yellow Burr Weed (<i>Amsinckia</i> spp.), Deadnettle (<i>Lamium amplexicaule</i>), Speedweli (<i>Veronica</i> spp.)	WA, SA, Vic, NSW, Qld only	1.6 – 2.0L plus 1.5-2.0L QA Trifluralin 480 EC Herbicide
Oil Seed Poppy	Ryegrass (<i>Lolium</i> spp.)	All States	1.6L

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

CRITICAL COMMENTS

Apply immediately prior to or up to 3 weeks before sowing to a friable seedbed under conditions which will allow for the incorporation of the product to a depth of 2 to 4 cm with either a single or double pass of suitable Incorporation equipment (see Incorporation). A delay of 1 week between application and planting is recommended for Linseed. COMPLETE AND UNIFORM INCORPORATION OF QA Triallate 500 EC Herbicide is essential for weed control. See GENERAL INSTRUCTIONS for details of incorporation. QA Triallate 500 EC Herbicide may be used in crops undersown with legumes. For shallow-sown legume and oil seed crops, complete incorporation by cultivation to a depth of 5cm must be undertaken before planting. QA Triallate 500 EC Herbicide may be tank mixed with Chlorsulfuron 750g/Kg WG for control of annual ryegrass, paradoxa grass and certain broad leaf weeds prior to planting of wheat only. QA Triallate 500 EC Herbicide may be tank mixed with QA Trifluralin 480 EC Herbicide for control of annual ryegrass, annual phalaris, paradoxa grass, enhanced control of wild oats (emerging from top 1cm of seedbed) and wireweed. DO NOT apply less than 1 week prior to planting of wheat, barley, triticale and linseed (do not use the tank mix in Qld). Incorporation of this tank mix should be within 4-5 hours of application. Refer to the QA Trifluralin 480 EC Herbicide label incorporation details. Read and follow label instructions, restraints, plant-back periods and safety directions for tank mix products.

For use in no-till/min-till Cropping Systems, Pre-Sowing or Incorporated by Sowing (IBS). Use only with knife/blade points and press wheels - refer to table 13 for method of incorporation on the QA Trifluralin 480 EC Herbicide leaflet. Use higher rates on light sandy and sandy loam soils. DO NOT use on heavy soils. Avoid soils, which are non-wetting or are likely to become clumpy or cloddy as they may suffer reduced weed control. Use higher rates for heavier stubble coverage and high weed density situations. Stubble coverage above 40-50% ground cover can reduce weed control below acceptable levels.

Suppression of Brome grass and Barley grass may be reduced in medium to high weed density situations. Higher rates are likely to provide improved control levels of Bromegrass, Wild oats, Cereal oats, Barley grass and Silvergrass. Control of deep /late germinating weeds may be reduced. Insufficient incorporation of QA Triallate 500 EC Herbicide will reduce Wild oat control. Control may be poor in the first years of practicing no-till/min till. To maintain crop safety attention to sowing speed and soil throw is required. Avoid throwing treated soil into adjacent sowing furrows. This is especially critical at higher use rates. Avoid sites that waterlog or where furrow walls may collapse as crop establishment and vigour may be reduced. Incorporate within 24 hours of application when applied onto a dry soil. Incorporate within 6 hours when applied onto a moist soil. If applied onto a dry soil, and it rains before sowing/incorporation is planned, incorporate within 6 hours to ensure the effectiveness of QA Triallate 500 EC Herbicide is retained.

Make one application by boom-spray or equivalent equipment between sowing and emergence in a spray volume of 150L/ha. Spray should be incorporated into soil by rainfall or irrigation and NOT by physical means.

WITHHOLDING PERIODS:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING:

CEREAL FORAGE: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 11 WEEKS AFTER APPLICATION.

OILSEED FORAGE: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 13 WEEKS AFTER APPLICATION.

OILSEED POPPY: DO NOT GRAZE OR CUT FOR STOCKFOOD.

PULSE FORAGE: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 13 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS**WEED CONTROL**

QA Triallate 500 EC Herbicide normally provides 6 to 8 weeks control of wild oats when the seedbed is moist during the emergence of wild oats. Under very dry soil surface (top 2cm) conditions, wild oats may not be controlled. Wild oats may emerge between application and complete incorporation by sowing particularly if initial incorporation is provided by harrows. QA Triallate 500 EC Herbicide may not control wild oats which have germinated at the time of application and incorporation if the top 2cm of soil is dry. QA Triallate 500 EC Herbicide will not control emerged wild oats.

CROP SAFETY

Reduced emergence of cereals and linseed may occur if seed is placed in treated soil layer. DO NOT plant cereal crops at greater than 5 to 7 cm. Overspraying of headlands or corners may result in crop damage. On heavy clay soils, crop thinning may occur in wheel tracks. Environmental conditions which adversely affect emergence or early crop growth, may predispose crops to injury, particularly where tank mixes with other pre-emergence herbicides are used. Read and follow label directions, restraints, plantback periods and safety directions for tank mix products.

SOIL PERSISTENCE AND FOLLOWING CROPS

Under prolonged and extremely dry conditions QA Triallate 500 EC Herbicide may persist for several months. Damage to field oats and sorghum may occur.

MIXING

QA Triallate 500 EC Herbicide is an oily concentrate that mixes readily with water. Add the required amount of QA Triallate 500 EC Herbicide to half the required amount of water in the spray tank. Mix thoroughly and add the remaining water.

APPLICATION

Apply to soil in friable condition so that uniform incorporation of the product can be achieved to a depth of 2 to 4 cm. The soil should be free of large clods (>75 mm) and should not have crop or weed residue at a level which will interfere with the free flow of soil through planting equipment providing full soil disturbance. Emerged wild oats should be controlled either by prior cultivation/application of a knockdown herbicide or by the tank mixing of a knockdown herbicide with QA Triallate 500 EC Herbicide. Apply QA Triallate 500 EC Herbicide by ground sprayer in 30 to 100 litres of water per hectare using a boomspray fitted with flat fan nozzles. Use spraying pressure of approximately 200-240kPa. Avoid application under strong and/or gusty wind conditions.
DO NOT apply by aircraft.

INCORPORATION

Two pass incorporation provides superior weed control to single pass incorporation on heavier textured soils.

- (i) QA Triallate 500 EC Herbicide may be incorporated initially in a suitable cultivated seedbed with either heavy 5 row harrows e.g. Phoenix harrow, or tined cultivator. Final incorporation with a combine or airseeder/cultivator is essential

to provide for maximum weed control. Heavy tined harrows or a rotary harrow should trail the planter or follow as a separate operation at an angle to the planter to complete incorporation. Ensure that the soil surface is left free of pronounced ridging.

- (ii) On soils in friable condition, QA Triallate 500 EC Herbicide may be incorporated with the planting operation only up to 24 hours following application onto a dry soil surface or up to 6 hours on moist surface soil. If QA Triallate 500 EC Herbicide has been sprayed on dry soil, and it rains before incorporation is planned, the product must be incorporated within 6 hours to retain its herbicide effectiveness. Planting should be carried out with a combine or airseeder/cultivator which provides full soil disturbance. Heavy tined harrows or a rotary harrow should trail the planter or follow as a separate operation to complete incorporation. Ensure that the soil surface is left free of pronounced ridging. DO NOT operate incorporation equipment at greater than 5 to 7 cm depth. Where soil is wet at planting, poor incorporation may result. For shallow-sown legume and oil-seed crops, complete incorporation by cultivation to a depth of 5 cm must be undertaken before planting. Note that point size should be matched to tyne spacing to avoid uneven incorporation. For example, a wideline seeder with 15 cm tyne spacing should be fitted with unworn 15 cm points. A combine with 9 cm spacing should be fitted with an evenly worn set of 10 cm points. Sweeps or other low profile points may not provide satisfactory incorporation.

COMPATIBILITY

QA Triallate 500 EC Herbicide is compatible with: Lusta™, Diclofop-Methyl 375 EC Selective Herbicide, QA Trifluralin 480 EC Herbicide, Glyphosate 450 SL Herbicide, Trifluralin-Oryzalin 250 EC Selective Herbicide, MONZA¹, Credit¹ and Bonus¹, Weedmaster¹ Duo.

RESISTANT WEEDS WARNING

QA Triallate 500 EC Herbicide is a member of the thiocarbamate group of herbicides. QA Triallate 500 EC Herbicide has the inhibition of fat synthesis mode of action. For weed resistance management QA Triallate 500 EC Herbicide is a Group 15 herbicide. Some naturally occurring weed biotypes resistant to QA Triallate 500 EC Herbicide and other Group 15 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 weeds will not be controlled by QA Triallate 500 EC Herbicide or other Group 15 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Quantum Agrosiences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of QA Triallate 500 EC Herbicide to control resistant weeds.

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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

Dangerous to fish. DO NOT contaminate dams, rivers or streams with QA Triallate 500 EC Herbicide or used containers.

STORAGE AND DISPOSAL

20L, 50L, 200L only: 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 rinsing to spray tank. DO NOT dispose of undiluted chemical 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.

Envirodrums 100L, 110L and 120L Mini Bulk Returnable Containers: 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 empty Envirodrum to the point of purchase.

Refillable Containers 1000L: Store in the closed, original container in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of sale for refill or storage.

SAFETY DIRECTIONS

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. DO NOT inhale vapour or spray mist. Avoid contact with eyes and skin. When opening the container, mixing and loading, and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, and elbow length PVC gloves, goggles and half facepiece respirator. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length PVC gloves. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash contaminated clothing, gloves, goggles and respirator (if rubber wash with detergent and warm water).

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

Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE: Quantum Agrosociences Holdings Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Quantum Agrosociences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosociences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional information required under the Globally Harmonised System (GHS) classification of the substance/mixture:
Combustible liquid. Very toxic to aquatic life with long lasting effects. Avoid release to the environment.



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