

**CAUTION**

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

**Trooper<sup>®</sup> 242 Herbicide**

ACTIVE CONSTITUENTS: 420 g/L MCPA present as the potassium salt  
 26g/L PICLORAM present as the potassium salt

<b>GROUP</b>	<b>I</b>	<b>HERBICIDE</b>
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For the control of climbing buckwheat, common sowthistle, skeleton weed, capeweed, doublegee and other broadleaf weeds in winter cereals and linseed crops.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

Crop Care Australasia Pty Ltd  
 ACN 061 362 347  
 Unit 17/16 Metroplex Avenue, Murarrie QLD 4172  
 Tel: (07) 3909 2000



APVMA Approval No.: 55555/109338

Contents: 5L  
 Contents: 10L  
 Contents: 20L  
 Contents: 110L  
 Contents: 200L  
 Contents: 1000L

**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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500mm 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 110L Mini Bulk Returnable Container**

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 only)**

Store in the closed, original container in a cool, well ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. DO NOT store for prolonged periods in direct sunlight. 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 as above the wash liquid for disposal as described above.

**SAFETY DIRECTIONS**

Harmful if swallowed. Attacks eyes. Avoid contact with eyes. Will irritate the skin. Repeated exposure may cause allergic disorders. When preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves and face shield or goggles. If product or spray 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.

**ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)**

**Harmful in contact with skin. Harmful if inhaled.** Do not eat, drink or smoke when using this product. Wear protective gloves, clothing, eye and face protection. Avoid breathing spray. IF SWALLOWED: Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet which can be obtained from your supplier or from the Crop Care website – [www.cropcare.com.au](http://www.cropcare.com.au)

**Conditions of sale**

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS - AUSTRALIA WIDE
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® Trooper, Associate, Amine 625, Archer, Agritone and Comet are registered trade marks of, or used under licence by Crop Care Australasia Ltd.

\* Other registered trademarks. BN / DOM / Barcode / Drummuster/Envirodrum

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**GROUP I HERBICIDE**

For the control of climbing buckwheat, common sowthistle, skeleton weed, capeweed, doublegee and other broadleaf weeds in winter cereals and linseed crops.

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

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## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply to crops or weeds which are not actively growing or to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT use in high winds.

DO NOT spray if rain is likely to occur within four hours.

DO NOT apply close to, or on areas, containing roots of desirable vegetation, where treated soil may be washed into areas growing, or to be planted to, desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted to, susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

Table 1: NEW SOUTH WALES and QUEENSLAND only

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE	CRITICAL COMMENTS
Barley, Canary grass, Oats, Triticale, Wheat	Apply from early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node (Z30)).	Climbing buckwheat (black bindweed)	Up to 6 leaf	1L/ha	For best control of climbing buckwheat apply at early tillering as this weed becomes increasingly difficult to control as it becomes larger. To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage.
		Common sowthistle Doublegee (spiny emex) Mustard Saffron thistle Skeleton weed Turnip weed Variegated thistle Wild radish Wild turnip	Young rosette or seedling plants up to 8 true leaves		
		New Zealand spinach Wireweed	Up to 4 leaf		Suppression only - Spray early
Barley, Triticale, Wheat		Common sowthistle New Zealand spinach Wireweed	Apply up to 4 leaf stage	800mL/ha + 5g/ha Associate	Add BS 1000 at 100mL/100L water
Linseed, Linola	Apply when crop is 8-20cm high	Climbing buckwheat (black bindweed) Doublegee (spiny emex) Mustard Saffron thistle Skeleton weed Variegated thistle Wild radish Wild turnip	Young rosette or seedling plants up to 4 true leaves.	670-840mL/ha	Use the higher rate when climbing buckwheat is present or weed growth is advanced
		New Zealand spinach Wireweed	Up to 2 leaf		

Table 2: WESTERN AUSTRALIA only

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	WEED GROWTH STAGE	RATE	CRITICAL COMMENTS
Barley, Canary grass, Oats, Triticale, Wheat	Apply from 3 leaf to early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node Z30)	Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 4 true leaves	600mL/ha	To avoid possible crop damage DO NOT spray outside the early tillering to early jointing stage. Caution: DO NOT use this product where the land to be treated will be sown to lupins or peas the following year or where a volunteer medic or subclover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated.
		Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 6 true leaves	750mL/ha	
	Wireweed	Up to 4 leaf		Suppression only - Spray early	
	Apply from early to mid tillering.	Docks Sorrel	Active growth	1L/ha	

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

#### WITHHOLDING PERIODS

DO NOT GRAZE OR CUT CROPS OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

#### MINIMUM RECROPPING PERIODS

Picloram, one of the active constituents in this product, remains active in the soil for extended periods depending on the rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter. When used in the presence of stubble, plantback times do not start until all stubble residue has broken down. Picloram, may bind to stubble, but upon physical stubble breakdown, may then be released and made available to plants growing in the soil. Sensitive plants can be adversely affected. DO NOT plant susceptible broadleaf crops within 12 months of applying product. Cereal crops and grasses can be sown safely after using Trooper 242 for in-crop weed control.

#### GENERAL INSTRUCTIONS

##### MIXING

Trooper 242 can be mixed with water only. Mix only sufficient chemical for each days use and avoid storing mix. Half fill the spray tank with water and add the required quantity of Trooper 242 and complete filling. Agitate continuously to ensure thorough mixing before and during application.

**Tank mixtures:** Wettable powder or dry flowable formulations (e.g. water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations. Add spraying oils and surfactants (wettors) last, if required.

##### COMPATIBILITY

Trooper 242 is compatible with the following: (Read and follow all label directions, restraints, plantback periods, withholding periods and safety directions on the partner label as well as those on the Trooper 242 label).

##### Broadleaf Herbicides

Eclipse\* Herbicide, Archer® Herbicide, Nufarm LVE Agritone®, Associate®, Comet® 400, Amine 625

##### Grass Herbicides

Matter 240EC (wild oats and phalaris only).

##### Adjuvants

BS1000 (when mixed with metsulfuron-methyl), Supercharge Elite® Spray Adjuvant (when mixed with Matter 240EC).

##### Insecticides

Lemat\*, Nufarm Dimethoate

Trooper 242 is not compatible with zinc products (such as Zinc dextrase and Zinc heptahydrate), copper salts (such as sulphate) and manganese sulphate. DO NOT use with hard water or water clarified with alum.

#### APPLICATION METHODS and WATER RATES

##### A. Ground application (Boom)

Apply Trooper 242 with an accurately calibrated boom sprayer, in at least 50L/ha water. Flat fan nozzles are recommended using pressures in the range 200-300kPa. Set the boom at a height to ensure a double overlap of the nozzle pattern.

##### B. Aerial Application

Apply in a minimum volume of 35L/ha water. Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter) of 200-250 microns. DO NOT apply when the temperature is above 30°C, when there is no wind or when the wind is blowing toward susceptible crops.

#### SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour (ground application) as measured at the application site.

DO NOT apply when wind speed is less than 3 or more than 15 kilometres per hour (aerial application) as measured at the application site.

USE ONLY COARSE or larger spray quality according to the ASAE S572 definition for standard nozzles.

For aerial application it is recommended where possible for this product to be applied by an aerial applicator business that holds current accreditation for the Aerial Improvement Management System – “AIMS”, issued by the Aerial Agricultural Association of Australia Ltd.

Checklist:

- Have you cleaned/decontaminated your boom sprayer?
- Have you contacted your neighbour prior to spraying?
- Is your sprayer set-up correctly for the particular application?
- Check
  - boom calibration
  - at nozzle - nozzle choice
  - low drift/what spray quality
  - coarse or larger spray quality?
  - boom height - speed of intended application
  - water volume
- You must check, determine and record the weather conditions immediately prior to, and immediately after the spray application is made.
- Record
  - Temperatures
  - Relative Humidity
  - Delta T
  - Wind speed
  - Is there a temperature inversion?
- Night Spraying - Extra care is required to ensure that inversion conditions are not present. Use smoke generator to determine wind direction and presence of inversion conditions.

For further information refer to [nufarm.com.au/spraywise](http://nufarm.com.au/spraywise)



[spraywisedecisions.com.au](http://spraywisedecisions.com.au) is an online weather forecasting program and is recommended for use when planning your pesticide application



When spraying in or near a cotton area, check online at [cottonmap.com.au](http://cottonmap.com.au) for the proximity of cotton fields

#### CLEANING SPRAY EQUIPMENT

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto wasteland away from desirable plants and water courses.

**Rinsing:** After using Trooper 242, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain, and clean any filters in the tank, pump, lines, hoses and nozzles. After cleaning the tanks as above, quarter fill with clean water and circulate through the pump, lines and nozzles. Drain and repeat the rinsing procedure twice.

**Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS):** Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (eg. liquid SURF\*, OMO\* or DRIVE\*) at 500mL/100L of water or the powder equivalent at 500g/100L and circulate throughout the system for at least 15 minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

#### RESISTANT WEEDS WARNING

GROUP	I	HERBICIDE
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Trooper 242 Herbicide contains members of the pyridine and phenoxy groups of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management the product is a Group I Herbicide. Some naturally occurring weed biotypes resistant to Trooper 242 and other Group I 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 Trooper 242 or other Group I herbicides. Strategies to minimise the risk of herbicide resistance are available.

#### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT use on land to be cultivated for growing susceptible crops within 12 months of applying Trooper 242. Legumes, vines, vegetables, cotton, tomatoes, ornamentals and many other plants are highly susceptible to Trooper 242 during both growing and dormant periods. Cereal crops and grasses can be sown after using Trooper 242. Trooper 242 will kill legumes (clovers, medics) present in the crop at the time of spraying. In the season following application of Trooper 242 the regeneration or establishment of sensitive legumes (clover, medics, peas, lupins) may be adversely affected by soil residues. Cereal crops may be reduced in height following use of Trooper 242. This height reduction is a normal response and does not represent any yield loss. DO NOT allow spray to drift onto susceptible crops, such as cotton, tomatoes, vines, fruit, potatoes, vegetables, ornamentals, tobacco, lupins and other legumes, safflower, sugar beet, hops, flowers or shade trees. DO NOT use under meteorological conditions or with spraying equipment likely to produce drift. Minimise spray drift by using low pressures and nozzles which DO NOT give a fine droplet size. DO NOT apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, or to be planted to desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing or to be planted to susceptible crops or plants. DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

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***Refillable containers (1000L only)***

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**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 as above the wash liquid for disposal as described above.

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**ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)**

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