



Product Name: IMTRADE PARA-TROOPER HERBICIDE  
APVMA Approval No: 67344/115164

Label Name:	IMTRADE PARA-TROOPER HERBICIDE
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Signal Headings:	DANGEROUS POISON KEEP OUT OF REACH OF CHILDREN CAN KILL IF SWALLOWED DO NOT PUT IN DRINK BOTTLES KEEP LOCKED UP READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	250 g/L PARAQUAT PRESENT AS PARAQUAT DICHLORIDE 10 g/L AMITROLE
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Mode of Action:	GROUP <b>L</b> <b>Q</b> HERBICIDE
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Statement of Claims:	For the control of a wide range of grasses and broadleaved weeds as per Directions for Use table.
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Net Contents:	5 L - 1000 L
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Restraints:	DO NOT add wetter unless spraying at high volume. Where Imtrade Para-Trooper Herbicide is mixed with water at less than 400 mL/100L of water, add 60 mL 1000g/L NONIONIC SURFACTANT per 100L spray.  DO NOT spray plants, which are waterlogged, under stress of any kind or covered with soil or dust.  DO NOT spray plants covered with heavy dew, but rain following spraying will not affect results.  DO NOT sow or cultivate for 1 hour after spraying but operations should commence within 7 days.
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For ground application only – DO NOT use through aircraft, misting machines or hand-held ultra low volume controlled droplet applications (CDA units).

DO NOT apply with high pressure handwand for control of annual weeds.

Directions for Use:

Other Limitations:

FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE, THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN.

Withholding Periods:

DO NOT GRAZE OR CUT SPRAYED VEGETATION FOR STOCK FOOD FOR AT LEAST 1 DAY, OR GRAZE HORSES FOR 7 DAYS AFTER APPLICATION.

REMOVE STOCK FROM TREATED AREAS 3 DAYS BEFORE SLAUGHTER.

Trade Advice:

General Instructions:

FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE, THIS PRODUCT IS TOO HAZARDOUS TO BE USED IN THE HOME GARDEN.

This product kills annual grasses and most annual broadleaf weeds in specific situations and should not be used for any other purpose. Quickly kills green plant tissue on contact. It is immediately inactivated in the soil or heavy dew. The principle of selective weed control with this product is that annual weeds are killed but perennial plants and clovers recover after an initial scorch. The control of annual weeds by spraying with this product will allow the desirable perennial species to thicken up at the expense of the weeds. Moisture and fertility should not be limiting at spraying and the proportion of desirable species must be great enough for them to fill in the areas previously occupied by weeds. Long-term weed control can be obtained following the quick knockdown given by this product if it is combined with soil residual chemicals.

READ ALL SAFETY DIRECTIONS before commencing work.

DO NOT use hand-held ultra low volume controlled droplet applicators (CDA units), boomless jets or misting machines.

**MIXING**

Add the required quantity of product to water in the spray tank and agitate to give even mixing. Agitate again if left standing.

**Wetting Agent**

This product contains a wetting agent and additional wetter is not required unless high volume spraying results in excessive dilution of the wetter content. This will occur when product rates fall below 400 mL per 100L of spray. Under such circumstances wetter should be added at the rate of 60 mL of 1000g/L NON-IONIC SURFACTANT per 100L of spray mix. Where Fat Hen and Portulaca are present in orchard or vineyard situations, extra wetter should be used when this product ratio is less than 800 mL per 100L. Add wetter at double the above recommendations. DO NOT use alkaline or anionic wetting agents.

**Clean Water**

Mix this product with clean water only. Water should be clean and free from clay, silt and algae. Providing it meets this requirement, saline water, water collected from roofs, bore water, dam water and water from creeks may be used.

## APPLICATION

### (i) Cereals and Broadacre Spraying

Use only through a properly calibrated boom spray, which should be fitted with flat fan jets and adjusted to a height to give at least double overlap of the spray at the top of the weeds being sprayed. Spraying pressures should be in the range of 200-300 kPa. Speed of travel should be in the range of 6-15 km/hr. It is essential that a good marking system be used. If a disc marked is used, it must be mounted so as to turn the soil back on to the area sprayed. It is essential to obtain good leaf coverage with the spray and volumes of dilute spray must be adjusted according to density of weed growth. 100L/ha may be used for seedlings or well grazed weeds up to 2cm high. For plant height 2-5cm use 150L/ha and up to 6-10cm use 200L/ha. Spray volumes may be as low as 50L/ha (30L/ha in WA) for weed growth below 5cm high, or for spray topping and hay freezing.

Equipment must be appropriate to this volume, properly calibrated and fitted with spraying tips designed to give medium spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

READ ALL SAFETY DIRECTIONS before commencing work.

### (ii) High Volume Applications

Higher volumes will generally be required to give good coverage of weed growth in situations other than those specified under cereals and other broadacre crops.

READ ALL SAFETY DIRECTIONS before commencing work.

(iii) Wash spray equipment with clean water immediately after use. This product is highly corrosive to metals particularly galvanised iron and aluminum and should not be left for long periods in tanks or equipment made of these materials.

READ ALL SAFETY DIRECTIONS before commencing work.

### Spraying Conditions

Avoid spraying plants under stress from waterlogging, frost, and drought etc. or covered with dust and soil. Results will be better if application is made in dull weather or at the end of the day. Light rain following spraying will not affect results. Avoid drift into neighbouring crops.

## COMPATIBILITY

Imtrade Para-Trooper Herbicide combines satisfactorily with the soil active herbicides Atrazine 900DF and Flowable Atrazine 600, Simazine 900DF and Flowable Simazine where prolonged weed control is required as well as a quick knockdown. This product is compatible with Imtrade Penetrate Wetter, Diquat, Imtrade Spraykill 250 Herbicide, Spray.Seed® 250, Dicamba 500 g/L, 2,4-D Amine 625, Nufarm Surpass® 475, MCPA 500 (no more than 1L/800 mL Imtrade Para-Trooper Herbicide), Chlorsulfuron 750 g/kg, Oryzalin/Trifluralin 250 g/L, Imtrade Tri-Allate 500 EC Herbicide, Oxyfluorfen 240 g/L and Imtrade Trifluralin 480 EC Herbicide.

### Resistance Warning:

Imtrade Para-Trooper Herbicide is a member of the bipyridyl and triazole groups of herbicides. Imtrade Para-Trooper Herbicide has the "photosynthesis at photosystem I inhibitor" and the the inhibitor of carotenoid biosynthesis modes of action. For weed resistance management Imtrade Para-Trooper Herbicide is a Group L and Group Q Herbicide.

Some naturally occurring weed biotypes resistant to Imtrade Para-Trooper Herbicide and other "photosynthesis at photosystem I inhibitor" and inhibitor of carotenoid biosynthesis 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 Imtrade Para-Trooper Herbicide or other "photosynthesis at photosystem I inhibitor" and inhibitor of carotenoid biosynthesis herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Imtrade Australia Pty Ltd accepts no responsibility for any losses that may result from the failure of Imtrade Para-Trooper Herbicide to control resistant weeds.

Precautions:	<p>RE-ENTRY PERIOD</p> <p>If entry to treated areas is required before the spray has dried, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and impervious footwear. Contaminated clothing must be washed after each day's use.</p> <ul style="list-style-type: none"> <li>• <b>WARNING: DO NOT APPLY WITH HIGH PRESSURE HANDWAND FOR CONTROL OF ANNUAL WEEDS.</b></li> </ul>
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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 LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT Domestic pets and poultry – keep away from treated areas. DO NOT repack. DO NOT contaminate ponds, waterways or ditches with the chemical or used container. This formulation should not be applied on or near water which is used for human consumption, livestock watering or irrigation purposes or water used for commercial or recreational fishing.</p>
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Storage and Disposal:	<p><b>The method of disposal of the container depends on the container type. Read the Storage and Disposal instructions on the label that is attached to the container.</b></p> <p>Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>Non-refillable containers other than 1000L Triple rinse containers before disposal. Add rinsings 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 for appropriate disposal 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 and product. DO NOT re-use empty container for any other purpose.</p> <p>Envirodrum - Micro Matic Valve (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 other 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.</p> <p>Refillable Containers (1000L only) Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><b>FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE. THIS PRODUCT IS TOO HAZARDOUS USED IN THE HOME GARDEN.</b></p>
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Safety Directions:	GENERAL
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Very dangerous. Poisonous if inhaled or swallowed. Harmful if absorbed by skin contact. Will irritate the skin. Will damage the eyes. Avoid contact with eyes and skin. DO NOT inhale spray mist.

#### WHEN MIXING AND USING

When opening the container and preparing spray and using the prepared spray wear cotton overalls over normal clothing buttoned to the neck and wrist, elbow length chemical resistant gloves and goggles and full face-piece respirator with gas/dust cartridges. If applying by hand when opening the container and preparing spray and using the prepared spray wear cotton overalls over normal clothing buttoned to the neck and wrist and a washable hat, elbow length chemical resistant gloves and goggles and disposable mist face mask covering mouth and nose during application.

#### AFTER USE

Wash hands after use. After each day's use wash gloves, goggles and respirator and if rubber wash with detergent and warm water and contaminated clothing.

#### SPRAY APPLICATION

DO NOT work in spray mist. DO NOT continue to use if skin irritation or nosebleed occurs. This may be caused by exposure to spray mist as a result of incorrect use of equipment or adverse climatic conditions. Stop and review handling and spraying techniques before further spraying. If symptoms persist seek medical advice.

Where there is a risk of exposure to spray mist, wear waterproof footwear and waterproof protective clothing, impervious gauntlet length gloves (rubber or PVC, goggles and a face mask and respirator covering nose and mouth and capable of filtering spray droplets. A high efficiency type particulate respirator is recommended by in any event use a respirator which complies with the requirements of AS1716 (Standards Association of Australia. Further advice on safety equipment should be obtained from a safety equipment manufacturer. Avoid contacting vegetation wet with spray but if necessary to do so wear waterproof footwear and waterproof protective clothing and gloves.

#### First Aid Instructions:

If poisoning occurs, get to a Doctor or Hospital quickly. If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.

#### NOTE TO PHYSICIANS

For additional advice on the treatment of paraquat poisoning please consult the booklet "The Treatment of Paraquat Poisoning: A Guide for Doctors".

#### First Aid Warnings:

## DIRECTIONS FOR USE

CROP USE OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Aid to Cultivation to minimise cultivation and prepare a clean bed for sowing	Annual grass and broadleaf weed control Early Autumn sowing	QLD, NSW, VIC, SA, TAS, NT, ACT only	# 0.9 – 1.2L	Where cultivation follows spraying, it may commence one hour after spraying but should be completed within 7 days. Where heavy weed growth is present at spraying, a better seed bed will result if cultivation is delayed 3-5 days. Use the higher rates for dense, more mature weed stands. Wild oats must have at least two leaves. If Diquat 200g/L is used, the lower Imtrade Para-Trooper Herbicide rate should be sufficient to control dense mature weeds.  <b>Pasture:</b> Remains of old pasture should be reduced by continuous heavy grazing. Remove stock 3-5 days before spraying to allow to freshen up.
	Winter, Spring and early Summer sowing	QLD, NSW, VIC, SA, TAS, NT, ACT only	1.2 – 1.8L	
	Wild Oats at 2-5 leaf stage in Autumn/Winter	QLD, VIC, SA, TAS, NT only	450 mL - 600 mL	
		NSW, ACT only	450 mL	
Fallows	Flaxleaf Fleabane	All States	2 – 2.4L	Imtrade Wetter 1000, Imtrade Pro 700 Surfactant or Imtrade Pronto Spray Adjuvant may be added at a rate of 0.2% v/v if climatic conditions require. Using water rates of 80 L/ha or greater is recommended.
Wild Oat control in Spring Fallows	Wild Oats at 2-5 leaf stage	QLD, NSW, NT, ACT only	0.9 – 1.5L	Use higher rate for summer growth. Avoid spraying under hot, dry conditions. Best results will be obtained when spraying is carried out in the late evening.

CROP USE OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
<b>Selective Weed Control:</b> <b>Autumn/early winter</b> - Annual and Perennial Clover	Annual grasses and some broadleaf weed control except Paterson's Curse, Sorrel, Dock, Shepherd's Purse and some Thistles.  Control of some broadleaf weeds including Paterson's Curse, Sorrel, Dock, Shepherd's Purse and some Thistles will not be achieved. Alternative methods such as the spray-graze technique with 2,4-D or MCPA should be considered.	All States	# 450 mL to 900mL 0.9 to 1.2L	Use the higher rates for dense weed stands. Use the higher rate in Winter/early Spring when barley grass is present.  <b>All Applications:</b> Graze pastures continuously after the seasonal break to a height of 2-4cm. Remove stock 2-3 days before spraying to allow weeds to freshen up. <b>DO NOT</b> apply until clover has reached the 6 leaf stage. <b>DO NOT</b> spray clovers which are affected by insect attack, disease or moisture stress. <b>DO NOT</b> use on clover pastures growing in water repellent sands or other situations subject to moisture stress at or immediately following treatment. Poor recovery of the clover will result.  <b>DO NOT APPLY TO MEDICS</b>
Spray topping to reduce seed set	Grasses generally (particularly Annual Ryegrass)	All States	300 mL	Heavily graze paddocks during spring flush to encourage even head development. Remove stock 2-3 weeks before the anticipated maturity date of the target species. However, if this is not feasible through lack of stock it is preferable to allow the pasture to mature ungrazed. Delay spraying until the last seed-heads at the bottom of the plant have emerged and initial signs of haying off appear. Spray with a calibrated boom spray raised to give double overlap at the level of the seed heads.
Pastures	Barley Grass			Manage paddocks as above. Spray after head emergence but when all seed heads are green and there is no sign of haying off. Inspect paddocks before returning stock. Provided spraying was carried out before hardening seeds are present, harrow to knock seeds from the heads. <b>DO NOT</b> introduce lambs into paddock until safe from the risk of seed injury. If seasonal conditions favour regeneration, stock should be returned to selectively graze new shoots. Spray with a calibrated boom raised to give double overlap at the level of the seed heads.
	Saffron Thistle	NSW, SA, ACT only		Spray after the plant begins to run to head until flowering.
Prevention of annual ryegrass toxicity	Spray top – Graze to destroy seed heads	WA only	300 mL	Grazing management as for spray topping above. Remove stock 3-4 weeks before anticipated maturity date. Spray must be applied within 10 days after emergence of the first Ryegrass seed heads.  To ensure adequate control of toxin development, <b>heavy continuous grazing is essential from 1 day after spraying</b> until the pasture has completely hayed off.  The required stocking rate will vary but must be sufficient to keep all re-growth after spraying completely eaten off to prevent further growth producing new seed heads which could become toxic.
Hay freezing	Maximum retention of protein in standing dry feed.	All States	600 mL	Graze paddocks as for spray topping above. Remove 3-4 weeks before the anticipated maturity date. Apply prior to commencement of haying off regardless of the grass species involved. Spray with a calibrated boom spray raised to give double overlap at the level of the seed heads.

CROP USE OR SITUATION	WEEDS CONTROLLED	STATE	RATE/ha	CRITICAL COMMENTS
Orchards and Vineyards	Annual Weed control	QLD, VIC, SA, WA, TAS, NT only	# + 1.2 to 2.4L/ sprayed ha	Spray as necessary for control of annual weeds. Avoid contact to crop foliage. Imtrade Para-Trooper Herbicide will not harm trees or vines with mature brown bark if this alone is sprayed. Use the higher rate for dense weed growth.
		NSW only	# + 1.3L/ sprayed ha	If Fat Hen <i>Chenopodium album</i> or <i>Portulaca</i> spp. are present and Imtrade Para-Trooper Herbicide rate is less than the ratio 800 mL/100L add 120 mL Imtrade Penetrate Wetter per 100L spray mix.
	Flaxleaf Fleabane	All States	2 – 2.4L	<b>Flaxleaf Fleabane:</b> Imtrade Wetter 1000, Imtrade Pro 700 Surfactant or Imtrade Pronto Spray Adjuvant may be added at a rate of 0.2% v/v if climatic conditions require. Using water rates of 80 L/ha or greater is recommended. Avoid contact to crop foliage
Potatoes	Pre-harvest weed control	All States	# 2.1L	Spray 4-5 weeks before digging and after tops have died down.
Non-Agricultural situations, around sheds, roadways, paths.	Annual weed control	All States	# + 1.2 to 3L/ha or 150 mL /100L	Spray to thoroughly wet weed growth. Imtrade Para-Trooper Herbicide can be combined with soil residual herbicides i.e. Simazine 900 DF Herbicide, to give rapid knockdown and prolonged weed control. Use the higher rate for dense weed growth.
	Columbus Grass	NSW only	+ <b>Spot Spraying</b> 120 mL/100L plus 1L Smack Water Soluble Herbicide  <b>Boom Spray</b> 1.7 to 3.4L/ha plus 12 to 22L Smack Water Soluble Herbicide	
	Flaxleaf Fleabane	All States	2 – 2.4L/ha	<b>Flaxleaf Fleabane:</b> Imtrade Wetter 1000, Imtrade Pro 700 Surfactant or Imtrade Pronto Spray Adjuvant may be added at a rate of 0.2% v/v if climatic conditions require. Using water rates of 80 L/ha or greater is recommended.
Firebreaks	Knock down weed growth to eliminate fire hazard or assist firebreak burn.	All States	1.2 to 3L	Apply mid-Winter to early Summer.  Use the higher rate for dense weed growth. After desiccation is complete, the sprayed area may be burnt (normally 7-10 days after spraying).  Imtrade Para-Trooper Herbicide can be combined with soil residual herbicides i.e. Simazine 900 DF or Atrazine 900 DF or Flowable Atrazine Herbicides, to give rapid knockdown and prolonged weed control.

# Capeweed or *Erodium* spp. present: Add Diquat 200g/L at 750 mL to 1.5L/ha (125 mL to 250 mL/100L for high volume spraying). Use higher rate for plants more than 10cm diameter.

+ If Imtrade Para-Trooper Herbicide rate is less than the ratio 400 mL/100L add 60 mL of Imtrade Penetrate Wetter per 100L of spray mix.

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