

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

All other non-refillable containers

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.

Envirodrum 110L Mini Bulk Returnable Container (110L only):

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.

Refillable Containers (1000L only):

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

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 spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves and goggles and half facepiece respirator. When using the prepared spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves. If product or spray in eyes, wash it out immediately with water. If product or spray 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, contaminated clothing.

FIRST AID

First aid is not generally required. If in doubt, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766). If in eyes wash out immediately with water.

Refer to attached Leaflet for additional GHS Hazard & Precautionary Statements.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or Imtrade Australia Pty Ltd website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade Australia 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 Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

CAUTION

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

IMTRADE
TRIFLURALIN 480 EC
HERBICIDE

ACTIVE CONSTITUENT: 480g/L TRIFLURALIN
SOLVENT: 557g/L LIQUID HYDROCARBON

GROUP 3 HERBICIDE

A pre-emergence herbicide for the control of annual grasses and certain broadleaf weeds in certain horticultural and agricultural crops as listed in the Directions for Use table.

IMPORTANT: Read the attached Leaflet before use.

UN 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains TRIFLURALIN)
In a Transport Emergency Dial 000 Police or Fire Brigade	
PG III	HAZCHEM *3Z

APVMA Approval No. 63455/127550



**GROUP
3**

**FORM
EC**

**CONTENTS
5L-1000L**



Batch No.
DOM:



17 Ocean St, Kwinana Beach WA 6167
08 9419 0333 | www.imtrade.com.au

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BEFORE OPENING OR USING THIS PRODUCT**

APVMA Approval No: 63455/127550

Imtrade Australia Pty Ltd
ABN 13 090 151 134
17 Ocean Street, Kwinana WA 6157
Tel: 1800 171 799 Fax: 1800 171 788
Web: www.imtrade.com.au

DIRECTIONS FOR USE:

1. FIELD CROPS

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Chickpeas	Annual Ryegrass, Paradoxa Grass (Canary Grass), Wireweed (Hogweed), Black Pigweed, Suppression of Climbing Buckwheat (Black Bindweed), Wild Oats	QLD only	1.25-1.7L/ha	1.25-1.7L/ha	1.25-1.7L/ha	Use 1.25L/ha when applying immediately prior to sowing. Use 1.7L/ha when applying to dry soil before the planting rain.
	Annual Ryegrass, Wireweed (Hogweed), Deadnetties	VIC only	800mL/ha plus 1.6L/ha Avadex Xtra			Incorporate as per recommendations for wheat, barley and triticale.
	Red & White Fumitory, Rough Poppy, Wireweed, Annual Ryegrass, Barley Grass, Canary Grass, Sand Fescue, Suppression of Deadnettle, Speedwell, Three Cornered Jack, Yellow Burr weed, Brome Grass, Cereal Oats and surface Wild Oats	SA only	1.25L/ha	1.25L/ha	1.25L/ha	Apply to level seedbed 0 to 4 weeks before sowing. Incorporate as per Incorporation Table 6.
	Amaranthus, Annual Ryegrass, Barnyard Grass, Caltrop, Crab Grass,	NSW, ACT only	1.2 – 1.5L/ha	1.5L/ha	1.7L/ha	Apply from 4 weeks up to just prior to sowing. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.
Paradoxa Grass (Canary Grass), Pigweed, soil surface Wild Oats, Winter Grass, Wireweed, Suppression of Fumitory	NSW, ACT, QLD only					
Adzuki Beans, Cowpeas, Lablab, Mung Beans, Borlotti Beans, Red Kidney Beans						

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Faba Beans	Annual Ryegrass, Barley Grass, Capeweed, Corn Gromwell (Sheepweed), Fumitories, Geranium, Ivy Leaf Speedwell, Mustards, Turnips, Wireweed (Hogweed), Suppression of Brome Grass, Soursob and Wild Oats	SA and WA only	800 mL/ha plus 1 – 1.5L/ha Flowable Simazine 500 g/L			Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing. Incorporation should be made within 4 hours of application. Application should not be made to ridged or excessively cloddy soil. For full reliable results, significant rainfall (20 or 30mm) is necessary within 2-3 weeks of application.
Pigeon Peas	Amaranthus, Barnyard Grass, Canary Grass, Crowsfoot Grass, Pigweed, Spiny Burrgrass, Summer Grass, soil surface Wild Oats, Wireweed (Hogweed), Suppression of Yellow Vine (Caltrop) From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass	NSW, ACT only	1.2L/ha	1.5L/ha	1.7L/ha	Apply between 4 weeks and just before sowing. Refer to Incorporation Table 3, 4 or 6 for suitable method of incorporation.
Navy Beans	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullheads, Yellow Vine), Crab Grass, Mossman River Grass (Innocent Grass), Pigweed,	All States	1.2L/ha	1.5L/ha	1.7L/ha	Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.
Soybeans	Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed) From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)		1.2L/ha	1.7L/ha	2.3L/ha	

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Lentils	Annual Phalaris, Annual Ryegrass, Wild Oats, Wireweed	NSW, ACT only	800 mL/ha	1.2L/ha	1.2L/ha	Apply 1 to 4 weeks before sowing.
	Fumitory – Red and White, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue	SA only	1.25L/ha	1.25L/ha	1.25L/ha	Apply 1 to 4 weeks before sowing.
Vetch	Annual Ryegrass, Deadnettle, Wireweed, soil surface Wild Oats, Suppression of Brome Grass, Rough Poppy, Speedwell, Three Cornered Jack, Yellow Burr Weed, Sheepweed	SA, WA only	1.7L/ha	1.7L/ha	1.7L/ha	Apply to level seedbed 0 to 4 weeks before sowing. Refer to Incorporation Table 6 for method of incorporation
Cotton	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullheads, Yellow Vine), Crab Grass, Fumitory, Mossman River Grass, (Innocent Weed), Phalaris spp., Pigweed, Redroot (Amaranthus), Redshank, (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only). From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)	QLD, ACT, NSW, WA only	1.2L/ha	1.7L/ha	2.3L/ha	Spray between 6 weeks and just before sowing takes place. Refer Incorporation Table 1 & 2 for method of incorporation.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Legume Seed Crop Establishment - Annual Medics - Clover (Berseem, Red, Strawberry, Sub and White) - Lucerne	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullheads, Yellow Vine), Crab Grass, Fumitory, Mossman River Grass, (Innocent Weed), Phalaris spp., Pigweed, Redroot (Amaranthus), Redshank, (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only). From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)	NSW, ACT, SA, WA, Vic, Tas only	1.2L/ha	1.2L/ha	1.7L/ha	Autumn Sowing- Apply from 4 weeks to 7 days before sowing takes place. Refer Incorporation Table 6 for method of incorporation. Spring sowing- Apply between 4 weeks and 3 days before sowing takes place. Refer Incorporation Table 6 for method of incorporation. In both cases seedling disease, cold weather, excessive moisture, high salt concentrations and drought could weaken crop seedlings and damage could occur from the use of this product. Temporary crop suppression could result.
		All States				
Linseed		NSW, ACT, SA, WA, VIC only	1.2L/ha	1.5L/ha	1.7L/ha	Spray 2-4 weeks before sowing. Sowing depth should be 1.3 to 2.5cm. Deeper sowing may result in some stand reduction. Refer to Incorporation Table 6.
Peanuts		WA, Qld only				Spray 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.
Peas		All States				Spray 4 weeks and just before sowing takes place. Refer Incorporation Table 6 or 11 for suitable method of incorporation.
Canola Safflower Mustard (oilseed cultivars) (<i>Brassica juncea</i>)						

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Sugar Cane -Early Season -Late Season	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullheads, Yellow Vine), Crab Grass, Fumitory, Mossman River Grass, (Innocent Weed), Phalaris spp., Pigweed, Redroot	QLD, NSW only	3.0L/ha 2.3L/ha	3.0L/ha 2.3L/ha	3.0L/ha 2.3L/ha	Apply to plant can after emergence to "out of hand" stage. Apply to ratoon cane immediately after harvest. Refer Incorporation Table 3, 7 or 10 for suitable method of incorporation.
Sunflowers	Redroot (Amaranthus), Redshank, (Prince of Wales Feather), Summer Grass, Wild Oats, Winter Grass, Wireweed (Hogweed), Black Pigweed (Qld only).	All States	1.2L/ha	1.5L/ha	1.7L/ha	Spray 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.
Lupins	Wireweed (Hogweed), Black Pigweed (Qld only). From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)					Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 6 for method of incorporation. WA only: Use higher rate for heavier stubble coverage. Stubble coverage above 40-50% ground cover can reduce weed control below levels. Refer Incorporation Table 13.
	Annual Grasses and Broadleaf Weeds	NSW, ACT, VIC, QLD only	800 mL/ha plus 3L/ha Flowable Simazine 500 g/L			Use a low volume boom applying 50-100L/ha spray mixture. Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing the crop. Incorporate within 4 hours of application. DO NOT apply to ridged soil.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Lupins (Cont'd)	Capeweed, Turnip, Radish, Doublegee and Suppression of Annual Ryegrass and Wild Oats	WA only	1.25L/ha plus 1-1.5L/ha Flowable Simazine 500 g/L			Rate for Yellow sands. Refer to Incorporation Tables 11, 12 or 13.
	As above plus suppression of Brome Grass		1.25L/ha plus 2L/ha Flowable Simazine 500 g/L			Rate for all other soil types. Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing. Incorporation should be made within 4 hours of application. Application should not be made to ridged or excessively cloddy soil. For Simazine to be effective sufficient rainfall (20-30mm) to wet the soil through the weed root zone is necessary within 2-3 weeks of application. Results with Simazine can be variable is seasonal conditions are dry prior to sowing and Lupins are sown into dry or low moisture seed beds.
	Capeweed, Doublegee, Wild Radish, Wild Turnip plus suppression of Annual Ryegrass, soil surface Wild Oats and Brome Grass		1.25L/ha plus Diuron at label rates			DO NOT use on white or grey sands as severe crop damage may result. Use tank mix of Diuron and Trifluralin where Annual Ryegrass is present. Apply pre-sowing stage when using incorporation method in Table 13. For Post-sowing Pre-emergent application, ensure seed is adequately covered with soil. Refer to Incorporation Table 12. TANK MIX: Read and follow all label directions, including restraints, spray drift restraints, mandatory no-spray zones, critical comments, withholding periods, regional use restrictions, and safety directions for the tank mix products.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Lupins (Cont'd)	Red & White Fumitory, Rough Poppy, Wireweed, Barley Grass, Canary Grass, Annual Ryegrass, Sand Fescue, suppression of Deadnettle, Speedwell, Three Cornered Jack, Yellow Burr Weed, Brome Grass, Cereal Oats, soil surface Wild Oats	SA only	1.25-1.7L/ha	1.25-1.7L/ha	1.25-1.7L/ha	Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 6 for method of incorporation.
	Above weeds plus Capeweed, Common Fumitory, Geranium Indian Hedge Mustard, Sheepweed, Shepherd's Purse, Toadrush, Turnips, suppression of Ice Plant & Soursob		1.25 – 1.7L/ha plus 2 - 4L/ha Flowable Simazine 500 g/L	Use a low volume boom applying 50-100L/ha spray mixture. Apply to bare moist soil and incorporate to a depth of 5cm just prior to sowing the crop. Incorporate within 4 hours of specification. DO NOT apply to a ridged soil.		
Tobacco	Summer Grass, Crowsfoot Grass, Red Natal Grass, Love Grass, Button Grass, Rhodes Grass, Pigweed	QLD only	800 mL/ha	1.2L/ha	–	Apply to soil 3-4 weeks prior to transplanting. The longer period to be used for applications made during June & July. Incorporate to a depth of 10cm.
	Crowsfoot Grass	NSW, ACT only	800 mL/ha	1.2L/ha	1.2L/ha	Apply to light sandy soil 14 to 21 days before transplanting. DO NOT incorporate to a depth greater than 6cm. Apply to loam (medium soil) 14-21 days before transplanting. DO NOT incorporate to a depth of greater than 6cm.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Wheat Barley & Triticale 1. Pre-sowing ONLY 2. Pre-sowing & Post sowing (self-mulching soils)	Annual Ryegrass, Wireweed (Hogweed), Phalaris spp.	NSW, ACT, WA, VIC only	800 mL/ha			Apply 1-4 weeks before sowing. Sowing depth should be at least 5cm. Use cover harrows behind combine. Ground should be left flat. DO NOT use pre-sowing on self-mulching soils as damage may occur from wheel tracking and poor control of wild oats. Refer Incorporation table 6 for method of incorporation.
	Fumitory	WA only				
	Canary Grass	VIC only				
	As above, except for Fumitory.	VIC only				
Wheat	Annual Ryegrass, Paradoxa Grass (Canary Grass), Wild Oats, Wireweed (Hogweed)	QLD only	On non self-mulching soils apply 1-4 weeks before sowing. Sowing depth should be at least 5cm. Use cover harrows behind combine. Ground should be left flat. On self-mulching soils, as above except apply more than 4 weeks before sowing to prevent crop damage. Refer Incorporation Table 6.			
Barley		Apply to self-mulching and non self-mulching soils from 1-4 weeks before sowing. Sowing depth should be at least 5cm. Use cover harrows behind combine. Ground should be left flat. Refer to Incorporation Table 6 for suitable method of incorporation.				

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Wheat, Triticale, Rye	Annual Ryegrass, Red & White Fumitory, Phalaris spp., Wireweed (Hogweed), suppression of Deadnettle, Rough Poppy, Yellow Burr Weed	SA only	800 mL/ha			Apply 1-4 weeks before sowing. Sowing depth should be at least 5cm. Use cover harrows behind combine. Ground should be left flat. DO NOT use pre-sowing on self-mulching soils as damage may occur from wheel tracking and poor control of wild oats. Refer Incorporation Table 6 for method of incorporation.
	1.25L/ha					
Wheat, Triticale, Rye	As above for SA plus suppression of Sand Fescue and suppression of Brome Grass					
Wheat & Triticale only	Annual Phalaris	NSW, ACT only	800 mL/ha plus 20g/ha Glean* or Lusta*			If possible, spray and incorporate into the soil in one operation. If this is not possible incorporation should take place within 4 hours of spraying. Delay may cause inferior weed control.

2. FIELD CROPS: FOR USE IN NO-TILL/MIN-TILL CROPPING SYSTEMS, PRE-SOWING OR INCORPORATED BY SOWING (IBS). (Using Incorporation Table 13).

Situation & Crop	Weeds	State	Rate	Critical Comments
Wheat, Barley and Triticale	Annual Ryegrass, Wireweed, Phalaris spp. and Fumitory only.	WA, SA, VIC, NSW, ACT only	1.5L – 2L/ha	Use higher rate on lighter sandy and sandy loam soils. DO NOT use on heavy soils. Use with knife/blade point sowing equipment. Use a higher rate for heavier stubble coverage. Stubble coverage above 40-50% ground cover can reduce weed control below acceptable levels (refer to Incorporation Table 13 for methods of incorporation). WA only: Application can occur 0-24 hours prior to incorporation by sowing. For best results apply as close as possible to sowing (within 12 hours). Application 12-24 hours before sowing may be more adversely affected by above average soil moisture, warm winter temperatures and high weed seed densities. These factors individually or combined may reduce final weed control.
Chickpeas	Annual Ryegrass, Wireweed, Phalaris spp. Fumitory	WA only	1.25-1.7L/ha plus 1.1kg/ha Simazine 900 Herbicide	Incorporate as per Incorporation Table 13.
Quinoa (Chenopodium quinoa)	Annual Ryegrass, Wireweed, Phalaris spp. and Fumitory only.	All States	1.5-2L/ha	Spray between 4 weeks and just prior to sowing using a boom spray or equivalent in 50-100L water/ha. Imtrade Trifluralin 480 EC Herbicide must be thoroughly incorporated into the soil within 4 hours of application using Knife point, No-till seeding systems or equivalent. DO NOT apply more than one (1) application per crop. The sensitivity of some species and varieties of Quinoa has not been fully evaluated. It is advisable to treat a small number of plants to ascertain their reaction before treating the whole crop.

3. VEGETABLES, ORCHARDS AND VINEYARDS

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Transplants only Broccoli, Cabbage, Cauliflowers, Tomatoes	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead, Yellow Vine), Crab Grass, Mossman River Grass (Innocent Grass), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter grass, Wireweed (Hogweed)	All States	1.2L/ha	1.7L/ha	2.3L/ha	Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5.
Direct Seeded only Broccoli Brussels Sprouts Cabbage						
Cauliflower		VIC, QLD only				
Carrots		All States				
Chicory		VIC only				
Green Beans		All States				
Orchards and Vineyards	QLD, SA, WA, VIC, Tas only	1.2L/ha	1.5L/ha	1.7aL/ha	Apply to new planting during pre plant cultivation. Apply to established crops in spring after weeds and green manure crop has been ploughed into ground. Refer to Incorporation Table 8 or 9.	
			1.7L/ha	2.3L/ha		

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Culinary Herbs Basil, Bay Leaves, Borage, Chives, Coriander, Dill, Fennel, Lemon Balm, Lemongrass, Kaffir Lime leaves, Marigold flowers, Marjoram (Oregano), Mints, Nasturtium leaves, Parsley, Rosemary, Sage, Salad Burnett, Sorrel, Tarragon, Thyme Root Herbs Galangal Leafy Vegetables Rucola (Rocket), Chervil Mizuna Teas Lemon Verbena Spices Turmeric Edible Flowers Dianthus, Roses	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead, Yellow Vine), Crab Grass, Mossman River Grass (Innocent Grass), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter grass, Wireweed (Hogweed) From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)	All States	1.2L/ha	1.7L/ha	2.3L/ha	Apply one (1) pre-emergence (of weeds) treatment prior to sowing and incorporate into the top 5cm of soil. Use suitable ground application equipment. Ensure equipment is correctly calibrated. Use lower rates of Trifluralin when short residual control is required. Increase the rate when longer residual control is required. Rotate herbicide Mode of Action (MoA) groups within and across growing seasons. The sensitivity of some species and varieties of the crops to be treated with Imtrade Trifluralin 480 EC Herbicide have not been fully evaluated. It is advisable to treat a small number of plants to ascertain their reaction before treating the whole crop.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Duboisia	Annual Ryegrass, Barnyard Grass, Canary Grass, Caltrop (Bullhead, Yellow Vine), Crab Grass, Mossman River Grass (Innocent Grass), Pigweed, Redroot (Amaranthus), Redshank (Prince of Wales Feather), Summer Grass, Wild Oats, Winter grass, Wireweed (Hogweed)	All States	1.2L/ha	1.7L/ha	2.3L/ha	Apply to new planting during pre-plant cultivation. Apply to established crops in Spring after weeds and green manure crop has been ploughed into the ground. Imtrade Trifluralin 480 EC Herbicide must be incorporated into the soil within 4 hours of application. Refer to incorporation points 8 & 9 for suitable methods of incorporation.
Peppers (including Capsicum, Chillies and Paprika) and Eggplant	From seed only: Columbus Grass, Guinea Grass, Johnson Grass, Liverseed Grass (Urochloa)					Spray between 4 weeks and just before sowing takes place. Refer Incorporation Table 3, 4 or 5 for suitable method of incorporation.
Swedes and Turnip						Apply between 4 weeks and just prior to sowing. Apply by boom spray in a spray volume of 70-450L water/ha depending on soil type. Refer incorporation points 3, 4 or 5 for suitable method of incorporation. DO NOT apply more than one (1) application per crop.
Parsnips	Winter Grass (<i>Poa annua</i>)			1.4L/ha		Broadcast spray to the soil surface between 4 weeks prior to and just before sowing, using calibrated boom sprayer or similar equipment. Imtrade Trifluralin 480 EC Herbicide must be incorporated into the soil within 4 hours of application using either a rotary hoe or disc technique. Apply a maximum one (1) application per crop using spray volume between 70-450L/ha.

Situation & Crop	Weeds	State	Rate / soil type			Critical Comments
			Light	Medium	Heavy	
Oil Tea Tree	Fat Hen, Potato Weed, Wireweed, Barnyard Grass, Geranium, Needle Burr, Redshank, Annual Thistles, Sowthistles, Creeping Oxalis	All States	1.2L/ha plus 1.5kg – 2.2kg/ha (900g/kg Simazine)	1.7L/ha plus 1.5kg – 2.2kg/ha (900g/kg Simazine)	2.3L/ha plus 1.5kg – 2.2kg/ha (900g/kg Simazine)	Apply to bare moist soil. Apply up to 4 weeks before planting and incorporate within 4 hours of application. Use the lower rate of Simazine for light textured soils.
Industrial Hemp	Annual Ryegrass, Wireweed, Phalaris spp, Fumitory, Fescue, Winter Grass, Paragoxa Grass, Corn Gromwell, Rough Poppy, Canary Grass		1.2L/ha	1.7L/ha	2.3L/ha	Pre-sowing: Apply one (1) application before weeds emerge to control Annual Grasses and Broadleaf Weeds, and incorporate into the top 5cm of soil prior to sowing. OR Post-planting: Apply one (1) application before, with rainfall or irrigation to closely follow to achieve effective incorporation into soil. Use suitable ground application equipment. Ensure equipment is correctly calibrated. Use lower rates when short residual control is required. Increase the application rate when longer residual control is required. The sensitivity of some species and varieties has not been fully evaluated. Test a small number of plants before applying to the whole crop.

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

WITHHOLDING PERIOD:

HARVEST

NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING

***SWEDES and TURNIP:* DO NOT GRAZE OR CUT TREATED CROPS FOR STOCK FOOD.**

***OIL TEA TREE:* DO NOT GRAZE TREATED AREAS OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION.**

***INDUSTRIAL HEMP:* DO NOT GRAZE LIVESTOCK ON TREATED AREA FOR 14 DAYS AFTER FINAL SPRAY APPLICATION.**

EXPORT OF TREATED PRODUCE

Growers should note that maximum residue limits (MRLs) or import tolerances may not exist in all markets for edible produce treated with Imtrade Trifluralin 480 EC Herbicide. If you are growing edible produce for export, please check with Imtrade Australia Pty Ltd for the latest information on MRLs and import tolerances before using Imtrade Trifluralin 480 EC Herbicide.

GENERAL INSTRUCTIONS

THIS PRODUCT MUST BE INCORPORATED INTO THE SOIL WITHIN 4 HRS OF APPLICATION. EXCEPT IN WESTERN AUSTRALIA WHERE THE CROP IS SOWN WITH MINIMUM TILLAGE SOWING EQUIPMENT (FITTED WITH KNIFE POINTS OR BLADES LESS THAN 12mm WIDE, USUALLY WITH PRESS WHEELS) WHERE APPLICATION MAY OCCUR UP TO 24HRS BEFORE INCORPORATION BY THE SOWING PROCESS.

INCORPORATION TABLE

1. Prior to furrowing out: - 2 workings at an angle required using Offset or Tandem disc harrows.
2. After furrowing out: - 2 workings required using Go-Devil discs or Lilliston cultivators set at 10 cm depth.
3. Rotary Hoe: - 1 working required at 5-7.5cm depth. Sugar Cane: - 7.5-13cm depth.
4. Offset or Tandem Disc Harrows:- (preferably with spiked harrows in tandem) 2 workings at an angle required at 7.5-15cm depth at 6.5-10km per hour.
5. Heavy Diamond or Stump Jump Harrows:- (weighted 20-30kg per section) at 10-13 km/h speed. Then cross work with offset or tandem disc harrows set to 7.5-15cm depth at speed 6.5-10km per hour.
6. Weighted Heavy Diamond or Stump Jump Harrows: (weighted with 20-30kg per section) at 10-13km/hr. Cross work with combine at 5-7.5cm depth at speed of 10-13km/hr.
7. Disc Ratoon Cultivator: - 2 workings needed with discs and cultivator set at 7.5-13cm depth.
8. Offset or Tandem Disc Harrows:- set at 7.5-15cm depth. A second discing is required working in opposite direction with discs set to throw treated soil into tree or vine row.
9. Rotary Hoe: - 1 working needed at 5-10cm depth.
10. Offset Discs (Bumpers): - 2 workings needed at depth of 7.5-13cm.
11. Incorporation by sowing (IBS) on suitably prepared seedbed with heavy diamond harrows trailing or as a separate operation.
12. Post-sowing/Pre-emergence: Use heavy diamond harrows cross working at right angles to the direction of sowing. Do not attempt this method of incorporation on poorly prepared, clumpy or cloddy soils.
13. Incorporation by Sowing (IBS) with knife or blade points. Use press wheels to avoid dragging treated soil back into the seed furrow. Maintain slow to moderate speed to ensure that soil throw is not into adjacent furrows." Note: a) Knife or blade point systems can result in poor weed control in the seed furrow as chemical displacement from this zone occurs. Stubble coverage above 40-50% ground cover can reduce Weed control below acceptable levels. B) A Knife or blade point is 12mm or less, has no wings, inverted T or blade, and is generally placed on a minimum 8 inch tyne spacing.

MIXING

This product is an emulsifiable concentrate, which mixes readily with water. Add the recommended amount to the spray tank during filing operation and apply 70-450L of water/ha (broadcast basis) dependent of soil type.

Ensure adequate agitation is continued throughout the operation. Leaving the made up spray mixture for long periods of time without agitation is not recommended.

Under hot conditions or where possible spray and incorporate into the soil in one operation. Delay may cause inferior weed control. Use properly calibrated standard low pressure (170-340 kilopascal) boom type sprayer with fan tips.

CONDITIONS FOR BEST RESULTS

This product must be thoroughly incorporated as recommended. Soil should be well worked and free of weeds at the time of application. Product effectiveness may be reduced by inadequate incorporation, high organic matter, excess clods, crop or trash residues, stones or other foreign matter and in areas of unnaturally high weed seed population such as header tracks or livestock rest areas. Trifluralin is volatile and disappears from exposed surfaces. Loss is hastened by high temperature, winds or warm moist soil.

INTEGRATED WEED MANAGEMENT

The use of Integrated Weed Management techniques in conjunction with Imtrade Trifluralin 480 EC Herbicide are always recommended. Agronomic practices that reduce the weed seed bank in the soil prior to use of Imtrade Trifluralin 480 EC Herbicide will result in higher weed control levels from Imtrade Trifluralin 480 EC Herbicide. Failure to use Agronomic and Integrated Weed Management practices that reduce the weed seed bank in the soil will result in higher weed seed populations. Paddocks with excessively high weed seed banks may have sufficient weed numbers surviving such that a final weed control may be considered below a commercially acceptable level and additional herbicide treatments may be necessary. The use of Integrated Weed Management techniques will also reduce the potential for the development or survival of the Group D Herbicide resistance weed biotypes.

COMPATIBILITY

Imtrade Trifluralin 480 EC Herbicide may be mixed in the spray tank with:

Herbicides: Avadex Xtra*, Chlorsulfuron 750 g/kg, Lusta*/Glean*, Nugran*/Logran*, Diuron Granules (900 g/kg), Diuron Flowable (500 g/L), Simazine Granules (900 g/kg), Simazine Flowable (500 g/L), Nuquat*, Gramoxone*, Spray.seed*, Broadstrike*, Spinnaker*, Bladex*, Mepiquat (38 g/L), Metribuxin (750 g/kg), **Insecticides:** Chlorpyrifos 500EC.

NOTE:

1. Information on compatibility is understood to be correct at the time of publication, however products may vary from time to time, therefore a small scale compatibility test should be carried out before mixing in the spray tank.
2. Observe any mixing sequence instructions for tank mix products.

EQUIPMENT MAINTENANCE AND USAGE

Keep the spray unit for herbicides only if possible. Otherwise, spray tanks, pumps, lines and nozzles should be thoroughly rinsed several times with clean water following application. Spraymate Tank & Equipment Cleaner is suitable for this purpose and will also remove Imtrade Trifluralin 480 EC Herbicide stains.

RESISTANT WEEDS WARNING

GROUP 3 HERBICIDE

Imtrade Trifluralin 480 EC Herbicide is a member of the Dinitroanilines group of herbicides. Imtrade Trifluralin 480 EC Herbicide has the inhibitors of microtubule assembly mode of action. For weed resistance management Imtrade Trifluralin 480 EC Herbicide is a Group 3 Herbicide. Some naturally-occurring weed biotypes resistant to Imtrade Trifluralin 480 EC Herbicide and other Group 3 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 Trifluralin 480 EC Herbicide or other Group 3 Herbicides. 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 Imtrade Trifluralin 480 EC Herbicide to control resistant weeds.

WILD OATS

Germinating wild oat seeds lying on soil surface will be controlled. Therefore, specific wild oat control is only possible with shallow cultivation. Poor control will occur on self-mulching soils and all soil types where deep cultivation is practiced.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT use in high winds.

DO NOT exceed rates specified, to avoid crop damage.

DO NOT plant sensitive grasses such as oats, sorghum, millets, phalaris spp., ryegrass or wheat for 12 months following the use of this product except where wheat follows wheat or other winter crops.

DO NOT plant oilseed poppies when a detectable residue of Imtrade Trifluralin 480 EC Herbicide is present in the soil. Levels as low as 0.02ppm may interact with other unfavourable factors (moisture, stress, disease etc.) to reduce poppy growth and vigour.

DO NOT apply to orchards and vineyards after first flush of growth or when residues can lodge on or in fruit. Reduced germination of wheat and barley may occur due to combination of following circumstances and the use this product

- Short coleoptile cultivars.
- Use of seed dressings (except Vitavax*).
- Shallow or uneven seedling depth.

DRIFT WARNING

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND ENVIRONMENT

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

STORAGE AND DISPOSAL

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.

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

All other non-refillable containers

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.

Envirodrum 110L Mini Bulk Returnable Container (110L only):

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.

Refillable Containers (1000L only):

Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

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 spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves and goggles and half facepiece respirator. When using the prepared spray wear cotton overalls, buttoned to the neck and wrist and a washable hat and elbow length chemical resistant gloves. If product or spray in eyes, wash it out immediately with water. If product or spray 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, contaminated clothing.

FIRST AID

First aid is not generally required. If in doubt, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766). If in eyes wash out immediately with water.

Additional GHS Hazard & Precautionary Statements

•Combustible liquid; •May be harmful if enters airways; •Suspected of causing cancer; •Very toxic to aquatic life with long lasting effects; •Keep away from heat, sparks, open flames and hot surfaces – No smoking; •Avoid breathing fumes, vapours; •**DO NOT** get on clothing; •Wash contacted areas thoroughly after handling; •**DO NOT** eat, drink or smoke when using this product; •Contaminated work clothing should not be allowed out of the workplace; •**IF SWALLOWED:** Rinse mouth. Do **NOT** induce vomiting; •**IF ON SKIN:** Wash with plenty of soap and water; •If exposed or concerned: Get medical advice; •If skin irritation or rash occurs: Get medical advice; •If eye irritation persists: get medical advice; •In case of fire, use carbon dioxide, dry chemical, foam, water fog; •Store locked up.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or Imtrade Australia Pty Ltd website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade Australia 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 Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade Australia Pty Ltd has any authority to add to or alter these conditions.

* Other Registered Trademarks

UN 3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains TRIFLURALIN)
IN A TRANSPORT EMERGENCY, DIAL 000 POLICE OR FIRE BRIGADE	
PG III	HAZCHEM •3Z



**MISCELLANEOUS
DANGEROUS
GOODS
9**

APVMA Approval No. 63455/127550