

Label

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



**Imtrade MSMA**  
**Post Emergence Herbicide**

**ACTIVE CONSTITUENT: 800 g/L MSMA**

<b>GROUP</b>	<b>Z</b>	<b>HERBICIDE</b>
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Controls Annual & Perennial Grasses & Burrs in Cotton, Annual & Perennial Grasses in Sugarcane, Grass Weeds in Couch Turf, Prickly Pear & Grasses & Burrs in Non-Crop areas as specified in the Directions for Use Table.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT**

**Contents: 5L, 10L, 20L, 200L**

**APVMA APPROVAL NO: 56509/52038**

**Imtrade Australia Pty Ltd**

**ACN 13 090 151 134**

**17 Ocean Street, Kwinana, Western Australia 6167**

**Tel: 1800 171 799 Fax: 1800 171 788**

**Web: [www.imtrade.com.au](http://www.imtrade.com.au)**



## STORAGE AND DISPOSAL

Store in the closed, original container in a well-ventilated area as cool as possible and away from children, animals, food, feedstuffs, seed and fertilisers. **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 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. Empty containers and product should not be burnt.

## SAFETY DIRECTIONS

Poisonous if absorbed by skin contact or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. When preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and rubber gloves. 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 and contaminated clothing.

## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

## MATERIAL SAFETY DATA SHEET

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

<b>In a Transport Emergency</b> <b>Dial 000</b> <b>Police or Fire Brigade</b>	<b>SPECIALIST ADVICE</b> <b>IN EMERGENCY ONLY</b> <b>1800 033 111</b> <b>ALL HOURS – AUSTRALIA WIDE</b>
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APVMA Approval No. 56509/52038

Batch No:

Date of Manufacture:

*Leaflet*

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**DIRECTIONS FOR USE****RESTRAINTS**

**DO NOT** cut, mow or cultivate treated areas that have been sprayed for 14 days as this can reduce herbicide action.

**DO NOT** spray if rain is expected with 6 hours.

CROP / SITUATION	WEEDS CONTROLLED	STATES	RATES	CRITICAL COMMENTS
<b>COTTON</b>	Bathurst Burr ( <i>Xanthium spinosum</i> ), Columbus Grass ( <i>Sorghum alnum</i> ), Johnson Grass * ( <i>Sorghum halepense</i> ), Noogoora Burr ( <i>Xanthium pungens</i> ), Nutgrass ** ( <i>Cyperus rotundus</i> ), Paspalum * ( <i>Paspalum dilatatum</i> )	Qld, NSW, WA only	2.8L/ha in 300L of water  1L/ha of crop sown in 100L of water when treating 1/3 of area sown  2.8L/ha in 25-80L of water	Apply as a directed overall spray to base of cotton plants after cotton is 70mm high and before first bloom opens. Repeat 3 weeks later if necessary.  Apply as a band spray after cotton is 70mm high and before first bloom opens. Direct band to base of cotton plants. Repeat 3 weeks later is necessary.  Apply by aircraft after cotton is 70mm high and before first bloom opens. Non-directed spraying can result in some red discolouration of cotton foliage.
<b>SUGARCANE</b>	Barnyard Grass ( <i>Echinochloa crus-galli</i> ), Crab Grass/Summer Grass ( <i>Digitaria sanguinalis</i> ), Green Summer Grass ( <i>Brachiaria miliiformis</i> ), Itch Grass ( <i>Rottboellia cochinchinensis</i> )	Qld, NSW, only	3 to 6L/ha	Whenever sugarcane is sprayed directly with Imtrade MSMA Post Emergence Herbicide or mixtures containing Imtrade MSMA Post Emergence Herbicide some visual damage is to be expected. Usually this will grow-out within 3 weeks. <b>Some sugarcane varieties are more sensitive to herbicide spray damage than others and the non-directed, full cover spraying, of a susceptible sugar cane variety at a vulnerable stage of cane growth, can result in unacceptable crop phytotoxicity. Local varietal responses should be confirmed before any full cover spraying of large areas is undertaken.</b> Apply as a directed spray. Minimise, so far as practicable, contact with sugarcane foliage, which will be 50-80mm high at time of spraying. Select a lower rate than 6.0L/ha if target grasses are not beyond early tillering stage, or when using tank-mix with either ChemAg Diuron 900WG Herbicide or Imtrade Velchem Duet Herbicide. The addition of a non-ionic surfactant wetting agent will improve the activity.

CROP / SITUATION	WEEDS CONTROLLED	STATES	RATES	CRITICAL COMMENTS
SUGARCANE (Cont'd)	Guinea Grass ( <i>Panicum maximum</i> )	Qld only	<p><b>Initial Boom Spray Treatment</b> 3L/ha Tank mix with 1.1kg/ha of ChemAg Diuron 900WG Herbicide. Apply in a minimum of 300L of water/ ha</p> <p>Add 100 mL of non-ionic surfactant wetting agent/100L of spray solution.</p> <p><b>Follow- up Boom Spray Treatment</b> 3L/ha in a minimum of 300L of water/ha</p> <p><b>Follow up Spot Spray Treatment</b> 1L plus 550g ChemAg Diuron 900 WG Herbicide per 100L of water</p>	<p>Apply as a directed spray in fine clear weather to prevent Guinea Grass establishing in plant cane or early ratoon cane. Minimise, so far as practicable, contact with sugarcane foliage which can be 50-80cm high at time of spraying. Best results are achieved if spraying takes place when Guinea Grass is at the seedling stage when stools are small. Spraying at this rate generally means only one spray application is needed. Use sufficient spray volume to thoroughly wet all Guinea Grass plants. If weeds are large and dense, then a water volume greater than 300L/ha will be required. Under certain circumstances (for example when the Guinea Grass population is very dense) the herbicide tank mixture can be applied over the top of the sugarcane. Whenever sugarcane is sprayed directly with Imtrade MSMA Post Emergence Herbicide or mixtures containing Imtrade MSMA Post Emergence Herbicide some visual damage is to be expected. Usually this damage will grow out within 3 weeks.</p> <p><b>Some sugarcane varieties are more sensitive to herbicide spray damage than others and the non-directed, full cover spraying, of a susceptible sugar cane variety at a vulnerable stage of cane growth, can result in unacceptable crop phytotoxicity. Local varietal responses should be confirmed before any full cover spraying of large areas is undertaken.</b> Assess the sprayed area 3 weeks after initial treatment. Follow up with another directed boom spray application or a spot spray treatment. The method of treatment used will depend on the weed population remaining and/or the number of Guinea Grass plants still having central green leaves. If storm rain falls after treatment it is important to monitor for the emergence of new Guinea Grass seedlings.</p>
	Vasey Grass ( <i>Paspalum urvillei</i> ) or Giant Paspalum	Qld, NSW, only	<p>6L/ha in a minimum of 300L water. Add 200 mL of non-ionic surfactant wetting agent per 100L of spray solution.</p>	<p>Apply as a directed spray in fine clear weather to prevent Vasey Grass establishing in plant cane or early ratoon cane. Minimise, so far as practicable, contact with sugarcane foliage which can be 50-80cm high at time of spraying. Best results are achieved if spraying takes place when Paspalum is at the seedling stage when stools are small. Use sufficient spray volume to thoroughly wet all Vasey Grass plants. If weeds are large and dense, then a water volume greater than 300L/ha will be required. Directed spray application from both sides of the cane row is effective and relatively safe on the cane. Under certain circumstances (for example when the Vasey Grass population is very dense) the herbicide can be applied over the top of the sugarcane. Whenever sugarcane is sprayed directly with Imtrade MSMA Post Emergence Herbicide some visual damage is to be expected. Usually this damage will grow out within 3 weeks.</p> <p><b>Some sugarcane varieties are more sensitive to herbicide spray damage than others and the non-directed, full cover spraying, of a susceptible sugar cane variety at a vulnerable stage of cane growth, can result in unacceptable crop phytotoxicity. Local varietal responses should be confirmed before any full cover spraying of large areas is undertaken.</b></p>



CROP / SITUATION	WEEDS CONTROLLED	STATES	RATES	CRITICAL COMMENTS
<b>SUGARCANE</b> Spot Spraying only	Barnyard Grass ( <i>Echinochloa crus-galli</i> ), Crab Grass/Summer Grass ( <i>Digitaria sanguinalis</i> ), Green Summer Grass ( <i>Brachiaria miliiformis</i> ), Itch Grass ( <i>Rottboellia cochinchinensis</i> ), Wild Sorghum ( <i>Sorghum verticilliflorum</i> )	Qld only	1L in 100L of water. Add 100 mL of non-ionic surfactant wetting agent / 100L of spray.	Spot spray grass weeds in ratoon sugarcane avoiding contact with the sugarcane foliage. To improve weed spectrum or residual weed control, add ChemAg Diuron 900WG Herbicide at 550g/100L spray solution.
	Vasey Grass ( <i>Paspalum urvillei</i> ) or Giant Paspalum	Qld, NSW, only		
<b>TURF COUCH</b> ( <i>Cynodon dactylon</i> ), <b>BUFFALO AND CLOVER LAWNS OR TURF ONLY</b>	Crab Grass/Summer Grass ( <i>Digitaria sanguinalis</i> )	WA only	6L/ha in 300L of water for boom application	<b>DO NOT</b> apply to Bent, Qld Blue Couch ( <i>Digitaria</i> spp.), Fescue, Blue Grass or Dichondra lawns or turf as severe damage can occur. Turf may yellow temporarily but this will disappear after mowing. <b>DO NOT</b> mow for 4 days before or 7 days after application. <b>DO NOT</b> water for 4 days after application. If Crab Grass has not been killed in 14 days repeat application.
<b>GREEN COUCH</b> ( <i>Cynodon dactylon</i> ) AND <b>HYBRIDS OF GREEN COUCH ONLY</b>	Crab Grass/Summer Grass ( <i>Digitaria sanguinalis</i> ), Paspalum ( <i>Paspalum dilatatum</i> )	Qld, NSW, only	6L/ha in 300L of water for boom application or 3L/ha applied twice approx. 7-10 days apart.	<b>DO NOT</b> apply to Qld Blue Couch ( <i>Digitaria</i> spp.), Bent, Fescue, Blue Grass, Kikuyu or Dichondra lawns or turf as severe damage or death can occur. Turf may yellow temporarily but this will disappear after mowing. A split application of 3L/ha applied twice, 7-10 days between applications will reduce yellowing of the turf or lawn. <b>DO NOT</b> mow for 4 days before or 4 days after application. <b>DO NOT</b> water for 2 days after application. Weeds should be sprayed when young and actively growing. If weeds have not been killed 14 days after spraying (at 6L/ha), repeat the application. As some phytotoxicity to Couch may occur when temperatures are high, avoid use at these times.
<b>NON-CROP AREAS</b> ROADSIDES, FENCELINES, STORAGE AREAS	Bathurst Burr ( <i>Xanthium spinosum</i> ), Johnson Grass * ( <i>Sorghum halepense</i> ), Noogoora Burr ( <i>Xanthium pungens</i> ), Nutgrass ** ( <i>Cyperus rotundus</i> ), Paspalum * ( <i>Paspalum dilatatum</i> ), Spiny Burr Grass ( <i>Cenchrus incertus</i> ) and most annual Summer Grasses	Qld, NSW, Vic, SA, WA only	10 – 12L/ha in 500L of water for boom application or 1L per 100L of water for Spot Spraying	Use lower rate for seedling weeds. Repeat 3-4 weeks later on established perennial weeds.

CROP / SITUATION	WEEDS CONTROLLED	STATES	RATES	CRITICAL COMMENTS
<b>CONTROL OF PRICKLY PEAR</b>	Common Prickly Pear ( <i>Opuntia stricta</i> ), Devils Rope ( <i>Opuntia imbricata</i> ), Drooping Prickly Pear ( <i>Opuntia vulgaris</i> ), Indian Fig ( <i>Opuntia ficusindica</i> ), Wheel Cactus ( <i>Opuntia robusta</i> ) and ( <i>Opuntia leucotricha</i> ), ( <i>Opuntia phaeocantha</i> )	SA only	1L in 40L of water	Apply during summer using a power sprayer when air temperature is above 30°C. Thoroughly cover all pad surfaces. Re-spray any regrowth that may occur.

**Note:** \* Paspalum and Johnson Grass – a repeat application 3 weeks after initial treatment is required for best control.  
 \*\* Repeat applications on Nutgrass will reduce this weed but not eradicate it.

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

**THIS PRODUCT IS TOO HAZARDOUS TO BE RECOMMENDED FOR USE IN THE HOME GARDEN.**

**WITHHOLDING PERIOD:**  
**DO NOT GRAZE OR CUT FOR STOCK FEED FOR 5 WEEKS AFTER APPLICATION.**

#### **GENERAL INSTRUCTIONS**

Imtrade MSMA Post Emergence Herbicide contains a high level of surfactant. Additional wetting agent should not be required except as directed for use in sugarcane. Apply under hot, dry conditions when air temperature is above 25°C for best results. For couch in NSW see Critical Comments. Thorough spray coverage of weed foliage is required for good results. Spray is absorbed mainly through plant foliage and spray solution reaching the soil is inactivated. Treated weeds yellow and brown 3-10 days after treatment.



## RESISTANT WEEDS WARNING

GROUP	<b>Z</b>	HERBICIDE
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Imtrade MSMA Post Emergence Herbicide is a member of the **Z** Group of herbicides with diverse sites of action. For weeds resistance management Imtrade MSMA Post Emergence Herbicide is a Group **Z** Herbicide. Some naturally occurring weed biotypes resistant to Imtrade MSMA Post Emergence Herbicide 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 MSMA Post Emergence Herbicide.

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 MSMA Post Emergence Herbicide to control the resistant weeds.

Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or Imtrade representative.

## MIXING

Imtrade MSMA Post Emergence Herbicide mixes readily with water. Add to half full tank with agitation, and then finish filling tank.

## CLEANING UP

Wash out equipment with clean water immediately after use.

## COMPATIBILITY

Tank mixes with other herbicides including 2,2,-DPA, Diuron, Hexazinone, Bromacil, Fluometuron, Sodium TCA, and Amines and Esters of 2,4D can be made for specific weeds and/or residual control.

## 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, adjacent cropping lands or pastures.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

**Dangerous to fish.**

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

## STORAGE AND DISPOSAL

Store in the closed, original container in a well-ventilated area as cool as possible and away from children, animals, food, feedstuffs, seed and fertilisers. **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 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. Empty containers and product should not be burnt.

## SAFETY DIRECTIONS

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## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26.

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<b>In a Transport Emergency Dial 000 Police or Fire Brigade</b>	<b>SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS – AUSTRALIA WIDE</b>
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