

Product Name: Submarino Imazapyr 750 WG Herbicide
APVMA Approval No: 92799/136686



Label Name:	Submarino Imazapyr 750 WG Herbicide
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 750 g/kg IMAZAPYR
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Mode of Action:	GROUP 2 HERBICIDE
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Statement of Claims:	For Control of Various Annual and Perennial Weeds in Non-Crop Situations as Indicated in the Directions for Use.
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Net Contents:	Net Contents: 470 g to 1.5 kg
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Restraints:	<p>Restraint DO NOT apply by aircraft as spray drift may cause damage to desirable surrounding species.</p> <p>Spray drift restraints Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift. DO NOT allow bystanders to come into contact with the spray cloud. DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application. DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until 1 to 2 hours after sunrise.</p>
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Directions for Use:	This section contains file attachment.
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Other Limitations:	
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Withholding Periods:	
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>RESISTANT WEEDS WARNING GROUP 2 HERBICIDE Submarino Imazapyr 750 WG Herbicide is a member of the imidazolinones (IMIs) group of herbicides. The product has the inhibition of acetolactate synthase (ALS inhibitors), acetohydroxyacid synthase (AHAS) mode of action. For weed resistance management, the product is a Group 2 herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 2 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 this product or other Group 2 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Submarino Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.</p>
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Precautions:	
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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 or non-target aquatic areas. DO NOT apply on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT apply where run-off water may flow onto agricultural land or other desirable vegetated areas. Dispose of washings away from desirable plants and their roots.</p> <p>PROTECTION OF LIVESTOCK Low hazard to bees - may be applied to plants at any time. DO NOT graze or cut for stock feed, vegetation which has been treated with Submarino Imazapyr 750 WG Herbicide.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>KEEP OUT OF REACH OF CHILDREN</p> <p>Store in the closed, original container, in a cool, dry, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of watercourses, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.</p>
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Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves, goggles and disposable dust mask covering mouth and nose. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.</p>
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First Aid Warnings:	
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DIRECTIONS FOR USE

Situation	Weed	State	Rate	Critical Comments
Around agricultural buildings and other farm non- crop situations, commercial, industrial and public service areas, rights of way and waste land, away from desirable vegetation	Annual ryegrass (<i>Lolium rigidum</i>), Barnyard grass (<i>Echinochloa crus-galli</i>), Blady grass (<i>Imperata cylindrica</i>), Buckbush (<i>Salsola kali</i>), Deadnettle (<i>Lamium amplexicaule</i>), Feathertop Rhodes grass (<i>Chloris virgata</i>), Fleabane (<i>Conyza canadensis</i>), Hexham scent (<i>Melilotus indicus</i>), Liverseed grass (<i>Urochloa panicoides</i>), London rocket (<i>Sisymbrium irio</i>), Mayne's pest (<i>Verbena tenuisecta</i>), Medics (<i>Medicago</i> spp.), Mintweed (<i>Salvia reflexa</i>), Blackberry nightshade (<i>Solanum nigrum</i>), Paterson's curse (<i>Echium plantagineum</i>), Plains grass (<i>Stipa aristiglumis</i>), Prairie grass (<i>Bromus unioloides</i>), Prickly lettuce (<i>Lactuca serriola</i>), Purple top (<i>Verbena bonariensis</i>), Scented top (<i>Capillipedium</i> spp.), Sedges (<i>Cyperus</i> spp.), Slender celery (<i>Apium leptophyllum</i>), Sowthistle (<i>Sonchus oleraceus</i>), St Barnaby's thistle (<i>Gentaurea solstitialis</i>), Summer grasses (<i>Digitaria</i> spp.), Thornapples (<i>Datura</i> spp.), Turnip weed (<i>Rapistrum rugosum</i>), Variegated thistle (<i>Silybum marianum</i>), Vasey grass (<i>Paspalum urvillei</i>), Warrego grass (<i>Paspalidium jubiflorum</i>), Wild oats (<i>Avena</i> spp.), Wild turnip (<i>Brassica tournefortii</i>), Wireweed (<i>Polygonum avicular</i>	All States	1.3 kg/ha	Applications can be made pre or post emergence. Post-emergence applications also provide pre-emergence control. Medium volume: 1.3 kg/ha of Submarino Imazapyr 750 WG Herbicide should be applied using spray volumes ranging between 50 and 200 L/ha. High volume: Apply sufficient spray to wet the surfaces visibly without run-off. Measure how much spray is required to cover 100 m ² area. Add Submarino Imazapyr 750 WG Herbicide at the rate of 13 g this measured volume.
	Bokhara clover (<i>Melilotus albus</i>),		2 kg/ha	Applications can be made pre or post emergence.

Situation	Weed	State	Rate	Critical Comments
	Bracken (suppression only) (<i>Pteridium esculentum</i>), Capeweed (<i>Arctotheca calendula</i>), Couch (<i>Cynodon dactylon</i>), Docks (<i>Rumex</i> spp.), Johnson grass (<i>Sorghum halepense</i>), Panics (suppression only) (<i>Panicum</i> spp.), Paspalum (<i>Paspalum dilatatum</i>), Queensland bluegrass (<i>Dichanthium sericeum</i>), Stinging nettle (<i>Urtica incisa</i>)			Post-emergence applications also provide pre-emergence control. Medium volume: 2 kg/ha of Submarino Imazapyr 750 WG Herbicide should be applied using spray volumes ranging between 50 and 200 L/ha. High volume: Apply sufficient spray to wet the surfaces visibly without run-off. Measure how much spray is required to cover 100m ² area. Add Submarino Imazapyr 750 WG Herbicide at the rate of 20 g this measured volume.
	Rubber vine (<i>Cryptostegia grandiflora</i>)	Qld only	65 g/ha	Post-emergence application (Qld only): Apply sufficient spray to wet the surface visibly to the point of run-off. For effective control, apply when the weeds are actively growing and not stressed, yellowing or bearing pods. Flowering is a good indication of the best time for application. Use high volume application as detailed in the GENERAL INSTRUCTIONS section.
	Thunbergia (<i>Thunbergia</i> spp.)		125 g/ha	Post-emergence application (Qld only): Apply sufficient spray to wet the surface visibly to the point of run-off. For effective control, apply when the weeds are actively growing. Use high volume application as detailed in the GENERAL INSTRUCTIONS section.

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

GENERAL INSTRUCTIONS

Submarino Imazapyr 750 WG Herbicide is an aqueous solution of herbicide which will kill a range of standing weeds and emerging seedlings. It stops growth rapidly, although symptoms may take over 30 days to develop. Affected plants are discoloured and often growth is distorted. The active material in Submarino Imazapyr 750 WG Herbicide is rapidly absorbed through foliage and roots and translocated throughout plants.

Foliage treatments will provide pre-emergence control as the active material is released to the soil following plant decay. Residual control of weeds, for which the lower rate of Submarino Imazapyr 750 WG Herbicide is recommended, will increase when the higher rate is used.

APPLICATION

Faster control of standing weeds will result if growing conditions are favourable at and after application. Rainfall within two hours of the spray mixture drying on leaves may result in reduced weed control.

SPRAYING INSTRUCTIONS

For medium volume spraying, apply through a spray boom calibrated to ensure even coverage. Use spray nozzles suitable to prevent spray drift onto surrounding desirable vegetation.

For high volume application, use a handgun or knapsack to apply sufficient spray to wet the surface visibly without producing run-off.

MIXING

Pour the required amount of Submarino Imazapyr 750 WG Herbicide into a spray container which already holds the total amount of water required. Mix thoroughly. If Submarino Imazapyr 750 WG Herbicide is added during filling, foaming may occur. If excessive foaming is a problem, add a suitable antifoaming agent.

Consult your distributor for specific information.

Submarino Imazapyr 750 WG Herbicide may be applied in hard or soft water. The product is corrosive to mild steel.

Use ONLY stainless steel, fibreglass, plastic or plastic-lined containers for mixing, storage and application.

COMPATIBILITY

For faster knockdown of weeds, certain other herbicides may be mixed with Submarino Imazapyr 750 WG Herbicide. Bipyridyl herbicides (e.g. paraquat) are NOT compatible with Submarino Imazapyr 750 WG Herbicide alone and adjuvants Ammonium Sulphate 417 SL and Wetter 1000 SL must be added to this tank mixture. Submarino Imazapyr 750 WG Herbicide is NOT compatible with Phenoxy Acid Salts (2,4-D and/or MCPA) or 2,4-D Ester 680 EC Herbicides. Mixtures of this type will result in extreme incompatibility and poor weed control.