

Product Name: Submarino Imazapic 700 WG Herbicide
APVMA Approval No: 92792/136671



Label Name:	Submarino Imazapic 700 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: 700 g/kg IMAZAPIC
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Mode of Action:	GROUP 2 HERBICIDE
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Statement of Claims:	For the Pre-Emergence Control of Certain Annual Grass and Broadleaf Weeds in Fallow Situations and Sugarcane as per the Directions for Use.
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Net Contents:	Net Contents: 1.5 - 5 kg
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Restraints:	<p>RESTRAINTS DO NOT apply to soils saturated with water. DO NOT apply by aircraft.</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. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. 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</p>
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exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

MANDATORY BUFFER ZONES

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory buffer zones shown in Table 1 below.

Table 1: Buffer zones for protection of the aquatic environment

Application rate	Mandatory downwind buffer zones
	Natural aquatic areas
Up to maximum label rate	50 metres

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods: **WITHHOLDING PERIODS**
Wheat, Barley, Chickpea stubble: DO NOT GRAZE TREATED STUBBLE OR WEEDS
WITHIN 4 WEEKS AFTER TREATMENT.
Sugarcane: NOT REQUIRED WHEN USED AS DIRECTED.

Trade Advice:

General Instructions: This section contains file attachment.

Resistance Warning: **RESISTANT WEEDS WARNING**
GROUP 2 HERBICIDE
Submarino Imazapic 700 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.

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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.</p>
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Storage and Disposal:	<p>STORAGE AND DISPOSAL KEEP OUT OF REACH OF CHILDREN Store in the closed, original container, in a cool, dry, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Shake empty container into spray tank. Rinse bag before disposal. Add rinsate to spray tank. DO NOT dispose of undiluted chemicals on site. Triple-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 waterways, 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 Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear elbow-length PVC gloves and face-shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles.</p>
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First Aid Instructions:	<p>FIRST AID 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	Weeds Controlled	Rate (g/ha)	State	Critical Comments
Fallow prior to Planting wheat, barley or chickpea	Barnyard grass (<i>Echinochloa colona</i>), Liverseed grass (<i>Urochloa panicoides</i>), Stink grass (<i>Eragrostis cifianensis</i>), Blowaway grass (<i>Panicum decompositum</i>), Button grass (<i>Dactyloctenium radulans</i>), Pigweed (<i>Portulaca oleracea</i>), Yellow vine (<i>Tribulus terrestris</i>), Mintweed (<i>Salvia reffexa</i>), Boggabri weed (<i>Amaranthus mitchelfi</i>), Dwarf amaranth (<i>Amaranthus macrocarpus</i>), Peachvine/cowvine (<i>Ipomoea lonchophylla</i>)	50 to 70	Qld and Northern NSW only	<p>Treatments may be applied from the end of the previous crop harvest but not less than 4 months prior to planting of winter crop.</p> <p>Best results are obtained where treatments are applied to dry, weed-free soil prior to weed germination. Treatments can be applied to standing crop residues.</p> <p>Sufficient rainfall is required after application and prior to weed emergence to wet soil to a depth of 5 cm.</p> <p>Use the higher rates for increased residual control of weeds or anticipated high weed pressure.</p> <p>Emerged weeds must be controlled by prior cultivation, or by application of a knockdown herbicide. Where infestation of emerged weeds is light, tank mix treatment with GLYPHOSATE HERBICIDES.</p> <p>Cultivation following application of treatments may reduce pre-emergence weed control provided by Submarino Imazapic 700 WG Herbicide.</p> <p>Prolonged wet soil conditions following treatment will reduce the effective life of pre- emergence treatments.</p> <p>Weed escapes may require follow up application of knockdown herbicides.</p> <p>DO NOT apply more than 70 g/ha per season on cropland. DO NOT apply in more than two successive seasons on cropland.</p> <p>DO NOT overspray headlands.</p>

Situation	Weeds Controlled	Rate (g/ha)	State	Critical Comments
Sugarcane (Pre-emergence to variety Q124 only)	Cobbler's peg (<i>Bidens pilosa</i>), Common sida (<i>Sida rhombifolia</i>), Glossy nightshade (<i>Solanum aruericanum</i>), Green amaranth (<i>Amaranthus viridis</i>), Green summer grass (<i>Brachiaria subquadripara</i>), <i>Ipomoea</i> spp., Milkweed (Mexican fire plant) (<i>Euphorbia heterophylla</i>), Summer grass (<i>Digitaria ciliaris</i>)	140	Qld, NSW, and WA only	<p>DO NOT apply to emerged sugarcane as damage may result.</p> <p>PLANT CANE: Apply after planting and before emergence of the cane.</p> <p>RATOON: Apply after harvest and before new cane growth appears.</p> <p>Heavy trash layers may prevent the product from reaching the soil.</p> <p>Apply to weed-free soil prior to weed germination.</p> <p>Sufficient rainfall, or overhead irrigation, is required after application and prior to weed emergence to wet soil to a minimum depth of 5 cm.</p> <p>Emerged weeds must be controlled by prior cultivation, or application of an appropriate herbicide.</p> <p>Cultivation following application of treatments may reduce pre-emergence weed control provided by Submarino Imazapic 700 WG Herbicide.</p> <p>Heavy rain immediately after application may concentrate Submarino Imazapic 700 WG Herbicide in the furrow and cause temporary yellowing of cane leaves.</p> <p>Prolonged wet soil conditions following treatment will reduce the effective period of weed control.</p> <p>Weed escapes may require follow up application of an appropriate herbicide.</p>

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

GENERAL INSTRUCTIONS

Fallow Application: Submarino Imazapic 700 WG Herbicide is for use in fallow prior to the planting of wheat, barley or chickpea and is a pre-emergence herbicide, which is recommended to provide short term (6 to 12 weeks) pre-emergence control of summer germinating grasses and broadleaf weeds in cultivated or uncultivated fallow.

Sugarcane application: Submarino Imazapic 700 WG Herbicide should be applied to plant or ratoon cane before the cane has emerged. If emerged weeds are present, Submarino Imazapic 700 WG Herbicide should be mixed with an appropriate knockdown herbicide.

MIXING

Submarino Imazapic 700 WG Herbicide is a Water Dispersible Granule formulation. Partly fill the spray tank with water, then with the agitator running, add the required amount of product, then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product. No adjuvants or surfactants are required when Submarino Imazapic 700 WG Herbicide is used alone for pre-emergence weed control.

APPLICATION

DO NOT apply by aircraft.

Fallow application: For ground application only. Apply with boom equipment in not less than 50 L/ha water using flat fan nozzles. Avoid overlap and do not overspray headlands.

Sugarcane: Ensure thorough coverage of soil with well-calibrated spray equipment. Apply in 50 to 200 L water/ha.

EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following the use of Submarino Imazapic 700 WG Herbicide and before use with other products.

COMPATIBILITY

Submarino Imazapic 700 WG Herbicide is compatible with glyphosate, paraquat, metsulfuron and triclopyr (600 g/L). It may NOT be compatible with dicamba or clopyralid. Should incompatibility occur then the use of *surfactants* is highly recommended, such as; 1000 g/L alcohol ethoxylate and/or 350 g/L Propionic Acid plus 350 g/L Soyal Phospholipids.

FOLLOWING CROPS

Under conditions which do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

Following use in summer fallow:

MONTHS AFTER APPLICATION			
4	12	24	36
Wheat*, Barley*, Chickpea, Peanuts	Mungbean, Lucerne	Sorghum, Cotton, Sunflower	Any other crops
<i>*The following additional requirements apply if it is intended to plant wheat or barley during the next winter season.</i>			
DO NOT apply Submarino Imazapic 700 WG Herbicide in fallow later than the end of December. DO NOT apply Submarino Imazapic 700 WG Herbicide in areas where rainfall from spraying to sowing of cereals is expected to be below 200 mm.			

Following use in sugarcane: Observe the minimum re-cropping intervals listed above under summer fallow.