

Product Name: Farmalinx Winx Herbicide
APVMA Approval No: 88829/132704



Label Name:	Campbell Lonhro 100 WG Herbicide
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	100 g/kg IODOSULFURON-METHYL-SODIUM
Mode of Action:	GROUP 2 HERBICIDE
Statement of Claims:	For the post-emergent control of certain broadleaf weeds and grasses in turf and for the suppression of Winter grass and Bahia grass as per the Directions for Use.
Net Contents:	50 g - 5 kg
Restraints:	This section contains a file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock. DO NOT use clippings from treated areas for mulch around vegetables or fruit trees.

Trade Advice:

General Instructions:

GENERAL INSTRUCTIONS

Campbell LONHRO 100 WG Herbicide is a selective sulfonylurea herbicide. It is predominantly a foliar herbicide with less activity via the soil. LONHRO 100 WG will not reliably control weeds that emerge after spraying. Results are best under good growing conditions and application to weeds or turf under stress should be avoided.

MIXING

Ensure that the spray tank is completely clean prior to mixing. Half fill the spray tank with water, then with agitators in motion, add the correct amount of LONHRO 100 WG directly into the spray tank. Then add wetting agent or crop oil as recommended. Complete filling the tank with agitators in motion. Agitation must continue before and during spraying. If pH of water carrier is less than 5.5 use a buffer solution to raise pH to meet 7.0. DO NOT mix LONHRO 100 WG with acid forming compounds in the spray vat. DO NOT leave spray mix standing in the vat overnight.

APPLICATION

Ensure spraying equipment is properly calibrated before use.

Ensure that complete and even spray coverage of all weeds is achieved. DO NOT overlap sprayed areas. Apply with the boom no higher than 50 cm above the turf with flat fan nozzles and a medium droplet size.

Turf Safety

Application to very dry sandy soils followed by soaking rainfall may cause turf damage. Turf damage may also be increased in highly alkaline soils (soil pH >8.5 as determined by soil in water suspension).

Avoid application on turf which is not yet established or which is under stress from environmental conditions.

Allow at least six weeks between the last application and overseeding with cool season grasses for winter cover.

Sprayer Clean Up

The sprayer must be thoroughly decontaminated before being used again to spray susceptible plants or turf. Ensure that the following operation is carried out in an area that is clear of waterways, desirable vegetation and tree roots, and preferably in an area where drainings can be contained.

1. Drain sprayer completely and wash out tank, boom and hoses with clean water.
 2. Drain again.
 3. Fill the tank with clean water and add 300 mL of chlorine bleach (containing 4% chlorine) per 100 L of water with agitation running.
 4. Flush some bleach solution through booms and hoses and allow remainder to agitate in tank for 10 minutes.
 5. Remove nozzles and filters and leave to soak in a bleach solution of 500 ml per 10 L of water while tank cleaning is in progress.
 6. Briefly run the pump at periodic intervals to refresh chlorine solution in spray lines.
 7. Drain tank and repeat the procedure of flushing with bleach solution.
- Flush the tank, boom and hoses with clean water.

Resistance Warning:

RESISTANT WEEDS WARNING GROUP 2 HERBICIDE

Campbell LONHRO 100 WG Herbicide is a member of the sulfonylurea group of herbicides and has the inhibitor of ALS mode of action. For weed resistance management LONHRO 100 WG is a Group 2 herbicide. Some naturally-occurring weed biotypes resistant to LONHRO 100 WG, and other Group 2 herbicides, may exist through normal genetic variability in any weed population. These resistant individuals can eventually dominate the

	<p>weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by LONHRO 100 WG or other Group 2 herbicides.</p> <p>DO NOT rely exclusively on LONHRO 100 WG for weed control. Use as part of an integrated weed management program involving herbicides with other modes of action and non-chemical methods of control. Croplife Australia resistance management strategies are available from your local agricultural chemical supplier. Refer to these strategies for details of how to manage the build-up of resistant weeds in your turf.</p> <p>Since occurrence of resistant weeds is difficult to detect prior to use, Colin Campbell (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of LONHRO 100 WG to control resistant weeds.</p>
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Precautions:	<p>PRECAUTION</p> <p>Mowing</p> <p>Avoid mowing during the 3 to 4 days preceding or following treatment.</p> <p>Re-entry period: DO NOT allow entry into treated areas until the spray has dried.</p>
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>Very toxic to aquatic plants and certain algae.</p> <p>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>DO NOT replant any crop or ornamental to treated areas other than the turf grass listed in the directions for use for a period of 12 months after application.</p> <p>PROTECTION OF LIVESTOCK</p> <p>DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Keep people and pets off treated areas until spray deposits have dried. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT apply if heavy rain is forecast.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. 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 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>Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray wear elbow length PVC gloves and goggles. If product in eyes wash it out immediately with water. Wash hands after use. After each day's use wash gloves and goggles.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
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First Aid Warnings:	
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RESTRAINTS:

DO NOT apply by air or through any type of irrigation equipment.

DO NOT apply to turf which is under stress or which is not yet established.

DO NOT use if rain is expected within 4 hours. DO NOT use on golf or bowling greens.

DO NOT make more than one application of a group 2 herbicide in a season except for Bahia grass - refer to Directions for Use table for Bahia grass.

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 exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Mandatory downwind buffer zones
	Vegetation areas
Up to maximum label rate	40 metres

DIRECTIONS FOR USE

SITUATION	WEED	RATE	CRITICAL COMMENTS
Turf Only apply to kikuyu, buffalo grass or couch grass (common and hybrid couchgrass NOT Queensland Blue Couch)	Weeds suppressed		Apply to actively growing weeds and not to weeds under stress. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label.
	Winter grass (<i>Poa annua</i>)	150 g/ha	
	Weeds controlled		Use a water rate of 200-500 L/ha
	Ryegrass (<i>Lolium perenne</i>)	150 g/ha	
	Bindii (<i>Saliva sessilis</i>), Black thistle (<i>Cirsium vulgare</i>), Cat's ear (<i>Hypochoeris radicata</i>), Cotula (<i>Cotula australis</i>), Cudweed (<i>Gnaphalium</i> sp.), Guildford Grass (Onion Grass) (<i>Romulea rosea</i>), Medic (<i>Medicago</i> spp.), Mouse ear chickweed (<i>Cerastium vulgatum</i>), Oxalis (<i>Oxalis corniculata</i>) White Clover (<i>Trifolium repens</i>)	100 g/ha	Avoid exceeding application rates through overlapping sprayed areas.
	False onion weed/ fragrant false garlic/ onion weed (<i>Nothoscordum gracile, fragrans or borbonicum</i>)	25 g/ha	Safety screening may not have been conducted on all new buffalo grass varieties and it is therefore recommended that small areas be tested for turf safety before large-scale application occurs. For suppressed weed species, better efficacy can be expected against younger weed plants. Less than 50% control can be expected where more mature plants are established.
Bahia Grass (<i>Paspalum notatum</i>) suppression and seed head reduction	50 g/ha	Apply during summer when turf is actively growing and Bahia grass produces seed heads. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label. Apply as soon as seed heads start to form or when it becomes a regular mowing intervention issue. Apply 2-3 times at 4-week intervals after mowing. DO NOT apply more than two consecutive applications per season.	

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