

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

# **pyreستا**<sup>®</sup>

**LV HERBICIDE**



**ACTIVE CONSTITUENTS:** 2.1 g/L PYRAFLUFEN-ETHYL  
421 g/L 2, 4-D (present as the 2-ethylhexyl ester)  
**SOLVENTS:** 21 g/L N-METHYL-2-PYRROLIDONE  
259 g/L HYDROCARBON LIQUID



**GROUP G I HERBICIDE**

A low volatile herbicide for improvement in the brownout of a range of broadleaf and grass weeds, and improved control of marshmallow, long storksbill (Erodium) and wild radish, when used in tank mixtures with Raze®, Firebolt® or other glyphosate based herbicides as per the Directions for Use Table.

This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.

**IMPORTANT:** Read the attached leaflet before using this product.

APVMA APPROVAL NO: 61328/20-100L/1109

**CONTENTS:**  20L  
 100L



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Latest Preparation Date	23/11/09

# pyresta<sup>®</sup>

## LV HERBICIDE

### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing 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 bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### SAFETY DIRECTIONS

Harmful if inhaled. Harmful if swallowed. May irritate the nose and throat. Will irritate skin. Repeated exposure may cause allergic disorders. Will damage eyes. Avoid contact with eyes. Avoid contact with skin. When opening the container and mixing and loading and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length chemical resistant gloves and a full facepiece respirator. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and contaminated clothing.

### FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give a glass of water. If in eyes wash out immediately with water.

### MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier or from our web site, [www.sipcam.com.au](http://www.sipcam.com.au).

### NOTICE TO BUYER

Sipcam Pacific Australia Pty Limited (Sipcam) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions 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 Sipcam's skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.

**Date of Manufacture:**

**Batch No:**

**FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY  
PHONE 1800 033 111**



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Level 1, 191 Malop Street, Geelong VIC 3220  
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**This is a PHENOXY HERBICIDE that can cause severe damage to susceptible crops such as cotton, grapes, tomatoes, oilseed crops and ornamentals.**

**This leaflet is part of the label. READ THOROUGHLY BEFORE USING.**

APVMA Approval No: 61328/1109



SIPCAM PACIFIC AUSTRALIA PTY LTD. Level 1, 191 Malop Street Geelong VICTORIA 3220

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

AVOID spraying if rain is likely within 6 hours or if strong winds prevail.

**DO NOT** apply if weeds are stressed due to dry or excessively moist conditions.

**DO NOT** use when breeze is blowing towards nearby susceptible plants.

SITUATION & CROP	STATE	WEEDS CONTROLLED	RATE (L/ha)	CRITICAL COMMENTS
Prior to sowing broadacre crops or starting a fallow (Winter weeds)	All States	Amsinckia ( <i>Amsinckia</i> spp), Brome grass ( <i>Bromus</i> spp), Capeweed ( <i>Arctotheca calendula</i> ), Chickweed ( <i>Stellaria media</i> ), Deadnettle ( <i>Lamium amplexicaule</i> ), Long storksbill ( <i>Erodium botrys</i> ), Medic ( <i>Medicago</i> spp), Paterson's curse ( <i>Echium plantagineum</i> ), Turnip weed ( <i>Rapistrum rugosum</i> ), Volunteer barley, Wild radish ( <i>Raphanus raphanistrum</i> ), Wild turnip ( <i>Brassica tournefortii</i> )	250 – 500 mL plus recommended rate of Raze or other glyphosate herbicide	For improvement in the brownout of a range of broadleaf and grass weeds, and improved control of marshmallow, long storksbill ( <i>Erodium</i> ) and wild radish, when used in tank mixtures with Raze®, Firebolt® or other glyphosate based herbicides. Refer to the Raze, Firebolt or other glyphosate product label and select a rate suitable for the conditions and weed size in each situation.
		<b>Above weeds plus:</b> Annual ryegrass ( <i>Lolium rigidum</i> ), Barley grass ( <i>Hordeum leporinum</i> ), Curled dock ( <i>Rumex crispus</i> ), Indian hedge mustard ( <i>Sisymbrium orientale</i> ), Silver grass ( <i>Vulpia</i> spp), Sowthistle ( <i>Sonchus oleraceus</i> ), Subterranean clover ( <i>Trifolium subterraneum</i> ), Volunteer wheat, Wild oats ( <i>Avena</i> spp)	500 mL plus recommended rate of Raze or other glyphosate herbicide	Apply when weeds are actively growing and at the 2-6 leaf growth stage.  The higher rate of Pyresta will provide the maximum speed of brownout and control.
		<b>Above weeds plus:</b> Marshmallow ( <i>Malva</i> spp)	500 - 900 mL plus recommended rate of Raze or other glyphosate herbicide	Visible symptoms of brownout may take from 2-7 days to develop.  Application of Pyresta to old, hardened or stressed plants and in harsh environmental conditions such as high temperatures and low soil moisture may not provide adequate control. Where Barnyard grass is present high rates of Raze Herbicide may be required to avoid antagonistic effects.
Prior to sowing broadacre crops or starting a fallow (Summer weeds)	Southern NSW, Vic, SA, WA only	Volunteer Chickpea ( <i>Cicer arietinum</i> )	900 mL plus recommended rate of Raze or other glyphosate herbicide	Application of Pyresta to old, hardened or stressed plants and in harsh environmental conditions such as high temperatures and low soil moisture may not provide adequate control. Where Barnyard grass is present high rates of Raze Herbicide may be required to avoid antagonistic effects.
		Bathurst burr ( <i>Xanthium spinosum</i> ), Caltrop ( <i>Tribulus terrestris</i> ), Pigweed ( <i>Portulaca oleracea</i> ) Prickly paddy melon ( <i>Cucumis myriocarpus</i> ), Wild (Afghan) melon ( <i>Citrullus lanatus</i> )	500 - 900 mL plus recommended rate of Raze or other glyphosate herbicide	<b>Caution:</b> Refer to plant-back intervals given in the table in this leaflet.

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

**IN TASMANIA, THIS PRODUCT MAY ONLY BE USED FROM 15 APRIL TO 15 SEPTEMBER UNLESS OTHERWISE PERMITTED BY THE REGISTRAR OF PESTICIDES.**

**WITHHOLDING PERIOD (WHP): DO NOT GRAZE TREATED WEEDS FOR 7 DAYS AFTER APPLICATION.**

**GENERAL INSTRUCTIONS**

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions for Pyresta and for the glyphosate product to be added to Pyresta.

The addition of Pyresta to Raze, Firebolt or other glyphosate products may increase the rate of brownout and final control, when compared to the use of the glyphosate products alone. Refer to the product label for Raze, Firebolt or other glyphosate products and select a rate suitable for the conditions and weed size in each situation.

**MIXING AND APPLICATION**

Apply by ground application only. Half fill the spray tank with good quality water and begin agitation. While agitating, add the required volume of Pyresta then the required volume of Raze, Firebolt or other glyphosate products, followed by the remaining water. Prepare only enough spray solution for immediate use, and do not stand overnight. If tank mixtures are prepared maintain good agitation and use promptly.

Spray equipment should be properly calibrated to ensure correct and uniform coverage. Use sufficient good quality water and configure the boom sprayer to optimise coverage. Apply in 60 to 150 L water per hectare. DO NOT apply with smaller than Coarse to Very Coarse spray droplets according to the ASAE S572 definition for standard nozzles.

**EQUIPMENT CLEANING**

Do not allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment clean-out for any other products mixed with Pyresta as provided on the other product label(s). Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of Pyresta remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues. Drain in an area well clear from watercourses, desirable vegetation and tree roots, that will also not drain towards watercourses, desirable vegetation and tree roots.
2. Fill the tank with clean water, add an alkaline detergent or boom cleaner (follow manufacturer's directions for use). Fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom and nozzles.
3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom and nozzles. Remove and clean spray nozzles, tips and screens.

**COMPATIBILITY**

Pyresta is compatible with Raze, Firebolt and other formulations of glyphosate.

**RESISTANT WEEDS WARNING****GROUP G I HERBICIDE**

Pyresta LV Herbicide is a member of both the aryl phenylpyrazole and phenoxy group of herbicides. Its modes of action are through a process of membrane disruption, which is initiated by the inhibition of the enzyme protoporphyrinogen oxidase and through disruptors of plant cell growth. For weed resistance management, Pyresta LV Herbicide belongs to the Group G and Group I herbicides. Some naturally occurring weed biotypes resistant to Pyresta LV Herbicide and other Group G and I herbicides may exist through normal genetic variability in any weed population and increase if these herbicides are used repeatedly. These resistant weeds will not be controlled by Pyresta LV Herbicide or other Group G or Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcam Pacific Australia Pty Ltd accepts no liability for any losses that may result from the failure of Pyresta LV Herbicide or other Group G or Group I herbicides.

**PLANTBACK AND ROTATION RECOMMENDATIONS****Plant back days for Pyresta LV Herbicide**

Crop	250 to 500 mL/ha	900 mL/ha
Balansa Clover	7	7
Barley %	1	1
Chickpeas #	7	14
Cotton	10	14
Faba Beans	7	7
Field Peas	7	14
Lentils	7	7
Linseed	7	7
Lucerne	7	7
Lupins +	7	14
Medics	7	7
Narbon Beans	7	7
Navybean	10	10
Oats	3	3
Perennial Ryegrass	7	7
Persian Clover	7	7
Phalaris	7	7
Canola/Rapeseed #	14	21
Rice	7	7
Safflower #	7	14
Sorghum @	3	7
Soybean	14	14
Sub-Clover	7	7
Sunflower @	7	10
Triticale %	1	3
Vetch	7	7
Wheat %	1	3
White Clover	7	7

**IMPORTANT:**

**WHEN APPLIED TO DRY SOILS AT LEAST 15 MM OF RAIN MUST FALL PRIOR TO THE COMMENCEMENT OF THE PLANT BACK PERIOD.**

**NOTES:**

% In Queensland, no rainfall is required to fall prior to commencement of Plant Back Period for wheat, barley and triticale.

# In Queensland, planting of canola/rapeseed, chickpeas and safflower must be delayed for at least 14 days following rainfall of at least 15 mm.

@ In Central Queensland, the Plant Back Period for sorghum and sunflower is 1 day irrespective of rainfall.

+ In Western Australia, the Plant Back Period for lupins is 28 days.

**RE-ENTRY PERIOD**

DO NOT allow entry into treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (over normal clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**PROTECTION OF CROPS, NATIVE AND OTHER NON TARGET PLANTS**

DO NOT spray in high winds.

**Drift Warning:**

DO NOT use unless wind speed is more than 3 kilometers per hour and less than 15 kilometers per hour as measured at the application site. DO NOT apply with smaller than Coarse to Very Coarse spray droplets according to the ASAE S572 definition for standard nozzles. Direct spray contact or even slight drift may cause severe injury or destruction of any growing crop or other desirable plants including trees and native vegetation. DO NOT use when breeze is blowing towards nearby desirable plants. DO NOT apply under meteorological conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants, adjacent crops, crop lands or pastures. Equipment settings which produce fine droplets (150 microns or less), "still air" and hot dry days all contribute to drift. This is a phenoxy herbicide that can cause severe damage to susceptible crops such as cotton, tobacco, tomatoes, flowers, vegetables, vines, fruit trees, legume crops and pastures, oil seed crops or other susceptible crops and trees (eg Kurrajongs, Belahs, Eucalypts).

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Do not contaminate streams, rivers or waterways with the chemical or used container.

**STORAGE AND DISPOSAL**

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immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and contaminated clothing.

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