

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# Lorox<sup>®</sup> Linuron flowable herbicide

**ACTIVE CONSTITUENT: 480 g/L LINURON**

GROUP	<b>5</b>	HERBICIDE
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*For the control of certain weeds in cereals, potatoes, carrots, coriander and other crops as per the Directions for Use.*

Distributed by:  
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Manufactured for:  
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**Contents 10 L**

## **DIRECTIONS FOR USE**

### **RESTRAINTS**

**DO NOT** add wetting agents, surfactants or crop oils.

**DO NOT** apply to weeds under severe stress due to, for example, very dry or windy conditions, disease, etc.

**DO NOT** allow mixture to stand in vat for prolonged periods, as it is difficult to re-suspend and may lose effectiveness.

**DO NOT** apply with misting machines.

CROPS	WEEDS CONTROLLED	WEED STAGE	STATE	RATE /HA	CRITICAL COMMENTS
Wheat, Barley, Oats	GROUP A: Three-cornered Jack (Double Gee), Capeweed, Wild Radish, Corn Gromwell, Wild Turnip, Deadnettle, Mustard, Turnip Weed, Rough Poppy, Slender Thistle	2–3 true leaf approximately 2.5–5 cm across	All States	560 mL	Apply when weeds are growing well and between 3 and 5 weeks after sowing. Crops generally 3–4 leaf (Z13–Z14) stage. DO NOT add Hoegrass or any other herbicide to Lorox® Linuron flowable + MCPA.
	WA only		280 mL + 400 mL of MCPA (500 g/L)		
	Amsinckia, Saffron Thistle		All States	890 mL	
Potatoes	Group A above and other weeds in GROUP B: Fat Hen, Shepherd’s Purse, Amaranth (inc. Dwarf, Green, Slim, Red Root, Powells), Blackberry Nightshade, Pigweed	Pre-emergence to 3–4 true leaf	All States	2.3–4.7 L	Apply before 10% of potatoes emerge and after last cultivation or hilling. DO NOT cultivate after application. Use lower rate on light soils and increase up to the higher rate for heavy clay soils, or soils high in organic matter.
Carrots, Parsnips	Group A and Group B	Pre-emergence	All States	3.7–4.7 L	DO NOT use on pure sandy soils. Lower rate generally sufficient, except on heavy clay soils high in organic matter. Apply 1–2 days after sowing. Use lower rate on light soils and increase up to the higher rate for heavy clay soils, or soils high in organic matter.
Carrots	Group A and Group B	2–4 true leaf up to 7 cm	All States	1.1–2.3 L	DO NOT apply before carrots are in 2–3 true leaf stage, or if temperature is above 30°C. Use lower rate on light soils and increase up to the high rate on heavy clay soils, or soils high in organic matter.
Coriander Seed Crops	Group A and other weeds such as Amsinckia, Saffron Thistle	Pre-emergence	SA, Vic, NSW, Tas, ACT only	750 mL–1 L	Apply immediately after sowing. Use lower rate on light soils and increase up to the high rate on heavy clay soils, or soils high in organic matter.
		Post-emergence, 2–4 true leaf			Apply from second leaf of crop onwards. Higher rates give longer residual control. Wet soils and/or rain are a benefit soon after application. DO NOT use this product in fresh coriander production. Use lower rate on light soils and increase up to the high rate on heavy clay soils, or soils high in organic matter.
Onions	Group A and Group B	2–3 true leaf	All States	310–560 mL	Apply after onions are 15 cm high, with at least 3 leaves. Use lower rate on light soils and increase up to the high rate on heavy clay soils, or soils high in organic matter.
Soybeans	Group A and Group B	Pre-emergence	All States	2.4–4.7 L	Apply to weed-free soil 2–3 days after sowing. Beans must be sown at least 2.5 cm deep. Use higher rate for heavy clay soils or soils high in organic matter.
Maize and Sweet Corn	Group A and Group B	Pre-emergence	All States	2.4–3.8 L	Apply as soon after planting as possible. Use lower rate on light soils and increase up to the high rate on heavy clay soils, or soils high in organic matter.
	Barnyard and Summer Grass			4.7–5.6 L	
	Group A and Group B	Post-emergence, weeds less than 15 cm across		1.1–2.4 L on light soils 2.4–4.7 L on heavy soils	Apply as a directed spray to weeds and soil only, when the crop is 30–45 cm high. Early cultivation will increase the difference in height between weeds and crop. Use lower rate when on lighter soil types low in organic matter.
	Barnyard and Summer Grass			3.8 L on light soils 5.6 L on heavy soils	

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

### **WITHHOLDING PERIODS**

**CARROTS, CORIANDER – DO NOT HARVEST FOR 10 WEEKS AFTER APPLICATION.**

**BARLEY, MAIZE, OATS, ONIONS, PARSNIPS, POTATOES, SOYBEANS, SWEET CORN, WHEAT – NOT REQUIRED WHEN USED AS DIRECTED.**

### **GENERAL INSTRUCTIONS**

Lorox® Linuron flowable herbicide contains 480 g/L Linuron. Lorox Linuron flowable can be applied pre and post emergence to control certain annual grasses, broad-leaved weeds and some seedling perennial weeds in cereal, potatoes, carrots, parsnips, coriander, onions, soybeans, maize and sweet corn.

Lorox Linuron flowable is a selective systemic herbicide, absorbed principally by the roots but also by the foliage, with translocation primarily acropetally in the xylem. Read the Directions for Use before using this product. Shake well before opening.

#### **Application**

Shake well before use. Fill the spray tank with water to three quarters of the required volume, then pour Lorox Linuron flowable into the tank with the agitation system running. Top up to required volume with water while still agitating. If combining with Hoegrass, add Lorox Linuron flowable last. Ensure good agitation to ensure continuous suspension of Lorox Linuron flowable.

BOOM SPRAYS: Use approximately 80–110 L water per hectare.

AIRCRAFT: Use 20–30 L water per hectare. DO NOT exaggerate swath width.

#### **Spray Equipment Hygiene**

Before and after spraying Lorox Linuron flowable, spray equipment including tanks, nozzles, filters and spraylines should be cleaned thoroughly with a commercially available tank and equipment cleaner such as All Clear® DS.

### **RESISTANT WEEDS WARNING**

#### **GROUP 5 HERBICIDE**

Lorox Linuron flowable is a member of the Urea group of herbicides. This product has the inhibitor of photosynthesis at photosystem II mode of action. For weed resistance management Lorox Linuron flowable is a Group 5 Herbicide.

Some naturally-occurring weed biotypes resistant to Lorox Linuron flowable and other Group 5 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 Lorox Linuron flowable or other Group 5 herbicides.

However resistance should not be assumed without first reviewing the method of application, the coverage and the timing of application. Resistance to Lorox Linuron flowable can not be predicted and may occur at any time. It is not due to a fault in the product and Tessenderlo Kerley, Inc., accepts no liability for any losses that may result from the failure of Lorox Linuron flowable to control resistant weeds.

### **COMPATIBILITY**

Lorox Linuron flowable may be mixed with Hoegrass where recommended. DO NOT add wetting agent.

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

Product is slightly toxic to fish. DO NOT contaminate streams, rivers, waterways with chemical or used containers.

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

DO NOT plant susceptible crops (e.g. crucifers, lettuce) immediately following crops treated with Lorox Linuron flowable. DO NOT apply in weather conditions, or from spraying equipment which could be expected to cause spray drift onto nearby susceptible plants, adjacent crops, crop lands and pasture. Avoid overspraying, particularly on headlands or when turning. DO NOT apply on light soils if heavy rain is likely within 24 hours of spraying as weed control may be reduced or some crop damage may occur. This is particularly important with rates about 1 L/ha and on soybeans. DO NOT use in or near channels or drains where roots of desirable plants may extend.

## **STORAGE AND DISPOSAL**

Keep out of reach of children.

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.

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse container for disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.

## **SAFETY DIRECTIONS**

May irritate the eyes and skin. Avoid contact with the eyes and skin. DO NOT inhale spray mist. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

## **FIRST AID**

First aid is not generally required. If in doubt, contact a Poisons Information Centre (e.g. phone Australia 13 11 26 or a doctor).

## **SAFETY DATA SHEET**

If additional hazard information is required refer to the Safety Data Sheet. For a copy visit our website at [agnova.com.au](http://agnova.com.au)

## **CONDITIONS OF SALE**

AgNova Technologies Pty Ltd and Tessenderlo Kerley, Inc. shall not be liable for any consequential or other loss or damage relating to the supply or subsequent handling or use of this product, unless such liability by law cannot be lawfully excluded or limited. All warranties, conditions or rights implied by statute or other law which may be lawfully excluded are so excluded. Where the liability of AgNova Technologies Pty Ltd and Tessenderlo Kerley, Inc. for breach of any such statutory warranties and conditions cannot be lawfully excluded but may be limited to it resupplying the product or an equivalent product or the cost of a product or an equivalent product, then the liability of AgNova Technologies Pty Ltd and Tessenderlo Kerley, Inc. for any breach of such statutory warranty or condition is so limited.

\*Lorox is a registered trademark of Tessenderlo Kerley, Inc.

\*All Clear is a registered trademark of AgNova Technologies Pty Ltd

Additional statements as required by Safe Work Australia  
in accordance with the Globally Harmonised System of Classification and Labelling (GHS).

**Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.**

**Harmful if inhaled. Very toxic to aquatic life with long lasting effects.**

Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. IF exposed or concerned, get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Store locked up.

In a transport emergency dial 000, Police or Fire Brigade.  
For specialist advice in an emergency only, call 1800 033 111 (24 hours).

**APVMA Approval No: 60490/123104**

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