

# CAUTION

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

# Linuron

## flowable herbicide

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

**SOLVENT: 94 g/L ETHYLENE GLYCOL**

**GROUP C HERBICIDE**

**For the control of certain weeds in cereals, potatoes, carrots, coriander and other crops as per Directions For Use.**



**IMPORTANT:**  
**READ THE ATTACHED BOOKLET BEFORE USE.**

Manufactured in USA by:  
**Tessenlerlo Kerley, Inc.**  
2255 N. 44th Street, Suite 300  
Phoenix, Arizona 85008 USA

Distributed by:  
**AgNova Technologies Pty Ltd**  
ABN 70 097 705 158  
Suite 10/857 Doncaster Road,  
Doncaster East, Vic. 3109 Australia  
Phone (03) 9840 2333  
[www.agnova.com.au](http://www.agnova.com.au)



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

**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.

CROP	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 Linuron flowable + MCPA.
			WA only	280 mL + 400 mL of MCPA (500 g/L)	
	All States		890 mL		
Potatoes	Group A above and other weeds in <b>GROUP B:</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**

Linuron flowable herbicide contains 480 g/L Linuron. 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.

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 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 Linuron flowable last. Ensure good agitation to ensure continuous suspension of 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 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®.

### **COMPATIBILITY**

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

### **RESISTANT WEEDS WARNING** **GROUP C HERBICIDE**

Linuron flowable herbicide is a member of the Urea group of herbicides. Linuron flowable herbicide has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management Linuron flowable is a Group C Herbicide.

Some naturally-occurring weed biotypes resistant to Linuron flowable herbicide and other inhibitors of photosynthesis at photosystem II 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 may not be controlled by Linuron flowable herbicide or other inhibitors of photosynthesis at photosystem II herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Tessengerlo Kerley, Inc. accepts no responsibility for any losses that may result from the failure of Linuron flowable herbicide to control resistant weeds.

Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultants, local Department of Agriculture or Primary industries, or local AgNova Technologies representative.

### **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 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**

Store in the closed, original container in a cool, well ventilated area, as cool as possible. **DO NOT** store for prolonged periods in direct sunlight. Triple or (preferably) pressure 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, replace cap and return 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**

May irritate the eyes and skin. Avoid contact with the eyes and skin. DO NOT inhale spray mist. If product on skin, immediately wash the 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**

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

### **MATERIAL SAFETY DATA SHEET**

For further information, refer to the Material Safety Data Sheet (MSDS) available from AgNova Technologies Pty Ltd.

### **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 re-supplying 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.

® Registered trademark of Amega Science PLC

Date of Manufacture:

Batch No.:

