

2000/2001

CLEAN CROP®

**LINURON 50W**

COMMERCIAL

HERBICIDE

**READ THE LABEL BEFORE USING**

**GUARANTEE:** Linuron.....50%

REGISTRATION NO. 18267  
PEST CONTROL PRODUCTS ACT

**NET: 2 kg**

**UNITED AGRI PRODUCTS  
R.R. #2  
Dorchester, Ontario  
N0L 1G5**

**FIRST AID:** If swallowed, induce vomiting and take patient to nearest hospital taking this labelled container with you. If in eyes, flush with water for 15 minutes and get medical attention. If on skin, wash with soap and water.

**DIRECTIONS FOR USE:**

Do not make more than one application per season except that on carrots two applications at reduced rates are recommended (see directions). Excessive or repeated use of LINURON may cause damage to turnips grown on the same land in the following year. Do not use on sandy or coarse textured soils low in organic matter (less than 2 to 3%). Do not replant to other crops within 4 months after application. Apply with ground equipment only.

**MIXING:** Add the LINURON to the water in the spray tank first and after thorough mixing add the Super-Spreader or oil if required. Keep the mixture agitated until tank is empty. If necessary to let mixture stand, agitate thoroughly before spraying. Thoroughly clean all traces of LINURON from sprayer immediately after use. Flush tank, pump, hoses and boom several times with water after removing nozzles and screens (clean these separately). LINURON is non-corrosive, non-volatile and non flammable.

**PRE-EMERGENCE USE:** The soil should be well prepared and as free as possible from trash and clods. Plant seed to specified depth or crop injury may result. Treatment provides control of annual weed seedlings.

Sufficient moisture in the form of rainfall or irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds; best results are obtained when this occurs within two weeks after application. If moisture is insufficient to activate the chemical or if the soil becomes crusted before crop emerges, a shallow rotary hoeing should be made before weeds become well established; otherwise, avoid cultivating or disturbing the sprayed soil. Do not cover treated band with soil while cultivating between the rows. NOTE: If unusually heavy rains follow pre-emergent application, severe injury to corn, soybeans, carrots or parsnips may result. Do not use on very wet or poorly drained soil.

**POST-EMERGENCE USE:** (corn, carrots, celery, parsnips, and shelter belts) Treatment gives contact kill of growing annual weeds as well as control of germinating weed seedlings.

**REPLANTING:** If initial seeding of corn, soybeans, potatoes, parsnips, or carrots fails to produce a stand, the same crop may be replanted in soil treated with LINURON. Thoroughly rework soil before replanting. Do not re-treat field with a second application as injury to the crop may result. Do not replant treated areas to other crops within 10 months after last application as injury to subsequent crops may result.

**SUSCEPTIBLE WEEDS:** The following weeds can be controlled with LINURON, depending on rate and size of weeds: most annual grasses, Common Chickweed, Corn Spurry, Goosefoot, Groundsel, Knotweed, Kochia, Lamb's quarters, Prostrate Pigweed, Purslane, Ragweed, Redroot Pigweed, Shepherd's Purse, Smartweed, Wild Buckwheat, Wild Radish, Wormseed Mustard; also seedlings of Dandelion, Plantain and Sowthistle. Best control of Foxtail in corn is obtained after emergence. It will not control established perennial weeds.

**DIRECTIONS FOR USE**

<b>VOLUME OF WATER:</b> Use 200 to 400 litres of water per hectare for overall spraying.			
RATES/HECTARE (OVERALL)			
CROP	METHOD	Muck and clay soil with medium organic matter	Loam or clay soil with low organic matter

SOYBEANS Plant seed at least 5cm deep. Rotary hoe may be used	DO NOT USE ON SAND LOW IN ORGANIC MATTER (less than 3%). DO NOT SPRAY ON EMERGED CROP. 1. AT PLANTING TIME: light incorporation improves control and reduces possible injury from splashed soil		
		3.25-4.50 kg	2.25-3.25 kg
	2. STALE SEEDBED: Prepare seedbed 3 to 4 weeks before planting without further cultivation prior to seeding, allowing weed seedlings to emerge.		
		2.25-3.25 kg in 200-300 litres	
Plant soybeans at least 4 cm deep with a double disc opener keeping disturbance of soil to a minimum. Apply as a broadcast spray with 2 litres Super-Spreader. Control less dependent on rainfall.			
<b>VOLUME OF WATER:</b> Use 200 to 400 litres of water per hectare for overall spraying.			
		RATES/HECTARE (OVERALL)	
CROP	METHOD	Muck and clay soil with medium organic matter	Loam or clay soil with low organic matter
		3.25-4.50 kg	2.25-3.25 kg
FIELD CORN Plant seed at least 5cm deep.  Pre-emergence	DO NOT USE EITHER ON VERY WET AND/OR POORLY DRAINED SOIL OR ON SAND LOW IN ORGANIC MATTER (less than 3%). DO NOT SPRAY ON EMERGED CROP. Apply at any time up to emergence of corn. Use only on the sweet corn varieties: Seneca 60, Gold Crest, Preview, Merit, Sugar King, Seneca Chief, Seneca Explorer, Marcross and Seneca Golden. Do not apply on Northern Belle, Golden Jubilee, Tastyvee, Golden Bantam, Gold Rush, Gold Cup, North Star, Sunnyvee and FM Cross. The Safety to other varieties has not been tested.		
FIELD CORN Post-emergence directed spray		Add 1.10 litres Super-Spreader	

	<p>Apply as directed spray to cover the weed foliage. DO NOT SPRAY OVER TOP OF CORN. Avoid spray or drift on upper leaves or whorl of corn. Apply when corn is at least 38 cm high (highest leaf surface on free standing plants). Weeds should not exceed 20 cm in height so that there is sufficient differential between height of corn and weeds. Control of weeds under drought stress or over 20 cm high is usually not practical. For best results, use early cultivation to allow corn to reach 38 cm and keep weeds small. Do not apply within 60 days of harvest or after the tassel starts to form. If heavy rain follows soon after spraying the results may be unsatisfactory. Use 2.25 kg/ha if weeds do not exceed 5 cm in height. Use 4.50 kg/ha up to 20 cm tall. Treat before 12 cm preferably.</p>		
<p>POTATO Plant seed at 5 cm deep</p>		<p>3.25-4.50 kg</p>	<p>2.25-3.25 kg</p>
	<p>Apply just before crop emerges or when tops are completely covered by hilling. Avoid further cultivation until absolutely necessary. Basfapon (dalapon) may be added at recommended rate to control emerged annual grasses and Quackgrass. Treat before emerged grasses are 5 cm tall and before broadleaf weeds are 15 cm tall.</p>		
<p>CARROT, PARSNIP, Dill Pre-emergence  Post- emergence (apply if crop has not had pre- emergence treatment)</p>		<p>1.75-2.25 kg</p>	<p>1.10-1.75 kg</p>
	<p>Plant seed at least 1 cm deep. Apply after planting. Rain or irrigation is needed for good control. Additional post-emergence treatment may be needed.</p>		
		<p>1.75-4.50 kg depending on size of weeds</p>	
	<p>Apply when crop as 2 or more true leaves, preferably when weeds are small. On muck soil, carrots and parsnips must be 8 cm tall when spraying. This treatment is preferred if only one treatment is applied. During hot, dry weather, spray in cool part of day to avoid injury. Use low pressure, maximum 275 kPa. Treat before emerged grasses are 5 cm tall and before broadleaf weeds are 15 cm tall.</p> <p>FOR PRE-EMERGENCE PLUS POST-EMERGENCE TREATMENT USE MAXIMUM 1.75 kg IN THE FIRST SPRAY. NEVER APPLY MORE THAN THESE TWO APPLICATIONS AND DO NOT USE HIGHER RATES. TREAT 2 WEEKS APART.</p>		

LINURON 50 W may be applied after carrot oil provided, treatments are at least one day apart. Carrot oil may be applied at least 2 weeks after LINURON (shorter intervals may cause crop damage). Do not mix LINURON with Herbicidal oil or surfactant.

CELERY		2.25-4.50 kg	1.75-2.25 kg
Apply to transplants after new growth has started. Some temporary discolouration may occur.			
ASPARAGUS		4.50kg 3.25kg	
Pre-emergence	Apply before cutting season immediately following discing and repeat at the end of the cutting season after discing.		
SHELTERBELTS In Western Canada		4-50-8.85 kg	
<p>Apply before or immediately after weeds emerge, but before weeds are 10-15 cm tall. For NEW PLANTING of Boxelder, Manitoba Maple, Caragana, Green Ash, American and Siberian elm, Poplar and Willow, do not apply until 10 days after transplanting. If leaf buds have opened, apply as a directed spray to keep it off the leaves. For TRANSPLANTS of White and Colorado Spruce or Scotch Pine, at least 2 years old, do not apply until 10 days after transplanting, but before buds open.</p> <p>On ESTABLISHED PLANTINGS of the broadleaf species, direct the spray to the base of the trees to avoid the foliage. With established conifers use a directed spray before buds open in the spring.</p>			
4.50 kg plus 1.50-2.75 litres/ha of Super-Spreader or 11-22 litres of Superior 70 Oil.			
When weeds are more than 5 cm tall or growing conditions are less than favourable, apply ONLY on Caragana, Green Ash, Elm and Willow as DIRECTED spray to the base of trees which are at least 2 YEARS OLD.			
WHEAT, (SPRING) BARLEY, OATS Prairie Provinces Only		700 grams of LINURON plus 1.10 litres of MCPA Amine 500 in 100 litres of water.	

For control of Chickweed, Corn Spurry, Cow Cockle, Green Smartweed, Hempnettle and Tartary Buckwheat, apply at the 2-4 leaf stage of the crop. Pre-mix the LINURON in water before adding to the spray tank. Good by-pass agitation and 50-60 mesh screens in nozzles are required. DO NOT MIX WITH ESTER OR DACAMINES.

Early application is important to avoid crop injury, especially in barley. Barley may suffer some growth suppression, maturity delay and yield reduction, but these would be more than offset if the weed infestation is heavy. Do not graze or feed green oats plants to livestock.

Do not retreat field with a second application of LINURON during the same crop year. Do not use when crop is underseeded to forage legumes. Do not use when crop is under drought stress.

**SASKATOON BERRIES** (established plantings) For control of annual broadleaf weeds and grass: Apply 4 - 6 kg per hectare in early spring or fall as a directed basal spray. Do not apply more than once per season. Do not apply within fifty (50) days of harvest.

**CHOCKECHERRIES** (fall seeded planting) For control of annual broadleaf weed and grass: apply 3.4 kg per hectare in 215 litres of water. Application should be made in October after Chokecherries are sown. Only make one application per year.

**PRECAUTION: KEEP OUT OF REACH OF CHILDREN.** May cause irritation of eyes, nose, throat and skin. Do not breath dust or spray mist. Avoid contact with clothes, eyes or skin. Wash thoroughly after handling. Do not take internally. Do not contaminate feed, food or streams, lakes and ponds with this product. Do not apply (except as recommended for crop use) or drain equipment near desirable trees or other plants, or on areas where their roots may extend, or where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, similar areas. Prevent drift of dry powder or spray to desirable plants. Keep from contact with fertilizers, insecticides, fungicides and seeds.

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**DISPOSAL:**

1. Follow provincial instructions for any required additional cleaning the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements
4. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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