

2000/2003

(( LABEL ))

**IPCO®**  
2,4-D ESTER  
600  
Low Volatile

10 LITRES

LIQUID HERBICIDE

AGRICULTURAL  
READ THE LABEL BEFORE USING

GUARANTEE: 2,4-D 565\* g/L  
(Present as iso-octyl ester)  
\*Isomer specific analysis  
REGISTRATION NO.: 20309  
PEST CONTROL PRODUCTS ACT

WARNING                      POISON

Interprovincial Cooperative Limited,  
P.O. Box 1050,  
Saskatoon, Saskatchewan  
S7K 3M9

Calgary, Regina, Winnipeg, Mississauga, Montreal, Moncton

\*T.M. Reg'd.

871-0696

**2,4-D LV ESTER**

**PRECAUTIONS:**

**Handling precautions:** Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist or vapours.

**Protective Clothing and Equipment: Handling the concentrate (mixing and loading):** Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes and protective eyewear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when pouring from container into spray tank. **Handling the dilute spray solution (during application or repairing or cleaning equipment):** Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

**Operator use precautions:**

- . Wear freshly laundered clothing and clean protective equipment daily.
- . Rinse gloves before removal.
- . Wash hands before eating, drinking, using tobacco or using the toilet.
- . If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- . After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- . After work, remove all clothing and shower using soap and water.

**General precautions:** KEEP OUT OF REACH OF CHILDREN. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C. Avoid spray or vapour drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles. Use special care in airplane application where danger from drift is greater. Do not contaminate any body of water. Avoid contamination of foods. Do not use in greenhouse. Keep in original container during storage. Do not store near or in same room as seeds, feeds, fertilizers or pesticides. Keep away from fire or open flame and other sources of heat. Clean spray equipment thoroughly after use. Do not use spray equipment for other purposes. Do not re-use empty containers.

**RINSING AND DISPOSAL INFORMATION:**

Do not reuse this container for any purpose. This is a recyclable container, is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

- (1) Triple - or pressure-rinse the emptied container. Add the rinsings to the spray mixture in the tank.
- (2) Make the empty container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer or the provincial regulatory agency in case of a spill, and for clean-up of spills.

**FIRST AID:**

1. In case of poisoning, call a physician or a poison control centre immediately.
2. If on skin, remove contaminated clothing and wash skin thoroughly with water.
3. If in eyes, flush with water immediately and continue for 5-10 minutes. Obtain medical attention or contact a poison control centre.
4. If swallowed, do not induce vomiting but rush patient to nearest hospital or doctor's office. Take the pesticide label with you. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**NOTICE TO USER:**

This control product is to be used only in accordance with the directions on 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.

**RC 846-1299**

((BOOKLET))

**IPCO®**  
2,4-D ESTER  
600  
Low Volatile

10 LITRES

LIQUID HERBICIDE

AGRICULTURAL  
READ THE LABEL BEFORE USING

GUARANTEE: 2,4-D 565\* g/L  
(Present as iso-octyl ester)

\*Isomer specific analysis

REGISTRATION NO.: 20309

PEST CONTROL PRODUCTS ACT

WARNING

POISON

Interprovincial Cooperative Limited,  
P.O. Box 1050,  
Saskatoon, Saskatchewan  
S7K 3M9

Calgary, Regina, Winnipeg, Mississauga, Montreal, Moncton

\*T.M. Reg'd.

871-0696.

**LABEL INDEX 2,4-D LV ESTER 600**

Precautions	GO TO SECTION 1
Spring Wheat, Barley, Rye	GO TO SECTION 2
Winter Wheat, Fall Rye	GO TO SECTION 3
Established Grass Pastures, Rangeland	GO TO SECTION 4
Weeds & Brush in Non-Cropland	GO TO SECTION 5
Basal Bark & Stump Treatment	GO TO SECTION 6

Tank Mixes	GO TO SECTION 7
Mixing and Application Instructions	GO TO SECTION 8
First Aid	GO TO SECTION 9
Rinsing and Disposal	GO TO SECTION 10

## SECTION 1

### Precautions

**Handling precautions:** KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist or vapors. **Protective Clothing and Equipment: Handling the concentrate (mixing and loading):** Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when open pouring from container into spray tank. **Handling the dilute spray solution (during application or repairing or cleaning equipment):** Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.

### Operator use precautions:

- . Wear freshly laundered clothing and clean protective equipment daily.
- . Rinse gloves before removal.
- . Wash hands before eating, drinking, using tobacco or using the toilet.
- . If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- . After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- . After work, remove all clothing and shower using soap and water.

**General precautions:** Do not spray when there is any danger of wind or on exceptionally hot days over 27 deg. C. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers:

beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles. Use special care in airplane application where danger from drift is greater. Do not contaminate body of water. Avoid contamination of foods. Do not use in a greenhouse. Keep in original container during storage. Do not store near or in same room as seeds, feeds, fertilizers or pesticides. Keep away from fire or open flame and other sources of heat. Clean spray equipment thoroughly after use. Do not use spray equipment for other purposes. Do not re-use empty containers.

GO TO SECTION 2

<b>SECTION 2</b>	
<b>Crop:</b>	<b>SPRING WHEAT, BARLEY, RYE</b>
<b>Treatment Stage:</b>	Ground or air application. Treat from 4th leaf stage to just before the flag leaf (shot blade) stage.
<b>Susceptible Weeds:</b>	<p>Bluebur, Ragweed, Kochia, Lamb's-quarters, Shepherd's Purse, Stinkweed, Cocklebur, Prickly Lettuce, Mustards, Russian Pigweed.</p> <p>Flixweed, Narrow Leafed Hawksbeard Susceptible in the fall and at 1-2 leaf stage in the spring.</p>
<b>Rates to Use on Susceptible Weeds:</b>	Small seedlings, good growing conditions: 900 mL/ha Weeds in bud, dry conditions, very heavy infestations: 600 mL/ha

<p><b>Harder to Kill Weeds:</b></p>	<p>Common Peppergrass, Curled Dock, Dandelions, Redroot Pigweed, Prostrate Pigweed, Russian Thistle, Dog Mustard, Sow Thistle*, Canada Thistle*, Leafy Spurge*, Blue Lettuce*. Flixweed, Narrow Leafed Hawksbeard controlled in spring if treated before bolting stage. *Top growth control only.</p>
<p><b>Rates to Use on Harder to Kill Weeds:</b></p>	<p>Small seedlings, good growing conditions: 1.0 L/ha Weeds in bud, dry conditions, heavy infestations: 1.3 L/ha</p> <p>NOTE: THESE HIGH RATES MAY CAUSE CROP INJURY. IN MOST CASES THIS INJURY WILL BE MORE THAN OFFSET BY INCREASED YIELDS DUE TO THE REMOVAL OF THE WEEDS.</p>
<p><b>Pre-Harvest Intervals (Spring Wheat, Barley, Rye):</b></p>	<ol style="list-style-type: none"> <li>1. Do not permit lactating dairy animals to graze fields within 7 days after application.</li> <li>2. Do not harvest forage or cut hay within 30 days after application.</li> <li>3. Withdraw meat animals from treated fields at least 3 days before slaughter.</li> </ol>

GO TO SECTION 8

<p><b>SECTION 3</b></p>	
<p><b>Crop:</b></p>	<p><b>WINTER WHEAT, FALL RYE</b></p>

<b>Treatment Stage:</b>	Treat in spring from the 4th leaf to just before the flag leaf stage. Do not treat wheat underseeded to legumes. Dosages above 900 mL may cause injury.
<b>Susceptible Weeds:</b>	As listed in Section 2.
<b>Rates to Use on Susceptible Weeds:</b>	Small seedlings, growing rapidly: 600 mL/ha Weeds in bud, dry conditions, very heavy infestations: 900 mL/ha
<b>Harder to Kill Weeds:</b>	As listed in Section 2.
<b>Rates to use on Harder to Kill Weeds:</b>	Small seedlings, growing rapidly: 900 mL /ha  Weeds in bud, dry conditions, very heavy infestation: Rates over 900 mL/ha are not recommended as crop damage may occur.
<b>Pre-Harvest Intervals (Spring Wheat, Barley, Rye):</b>	1. Do not permit lactating dairy animals to graze fields within 7 days after application. 2. Do not harvest forage or cut hay within 30 days after application. 3. Withdraw meat animals from treated fields at least 3 days before slaughter.
GO TO SECTION 8	

<b>SECTION 4</b>	
<b>Crop:</b>	ESTABLISHED GRASS PASTURES, RANGELAND
<b>Treatment Stage:</b>	Treat in the spring or fall for best results. Spring is the ideal time as weeds have not produced seeds yet. Treat only established pastures.



<b>Susceptible Weeds:</b>	Bluebur, Ragweed, Kochia, Lamb's- quarters, Shepherd's Purse, Stinkweed, Prostrate Pigweed, Cocklebur, Prickly Lettuce, Mustards, Russian Pigweed, Flixweed.
<b>Rates to Use on Susceptible Weeds:</b>	Small seedlings, good growing conditions: 1.0 L/ha Weeds in bud, dry conditions, very heavy infestations: 1.5 L/ha
<b>Harder to Kill Weeds:</b>	Peppergrass, Curled Dock, Dandelions, Redroot Pigweed, Russian Thistle, Dog Mustard, Sow Thistle*, Canada Thistle*, Leafy Spurge*, Blue Lettuce*. <i>*Top growth control only.</i>
<b>Rates to Use on Harder to Kill Weeds:</b>	Small seedlings, good growing conditions: 2.0 L/ha Weeds in bud, dry conditions, heavy infestations: 3.0 L/ha Note: Use at least 100 Litres of water per hectare.

**Special Instructions for Specific Weeds:**

1. Canada Thistle and Perennial Sow Thistle on Non-Crop Land - apply as thistles enter the full bud stage 1.75-2.25 L/ha.
2. Hoary Cress - Apply 1.9 to 2.8 litres per hectare at the bud stage to prevent seed formation and reduction of stand in waste areas or non-crop land.
3. Toadflax - Use 4 to 7.5 litres per hectare on fallow to reduce tillage operations. Seeding to grass followed by intensive fallow and repeated spraying of sod at the given rates will reduce the stand of this weed.

**Pre-Harvest Intervals: (Established Pastures and Rangeland)**

1. Do not permit lactating dairy animals to graze fields within 7 days after application.
2. Do not harvest forage or cut hay within 30 days after application.
3. Withdraw meat animals from treated fields at least 3 days before slaughter.

## SECTION 5

<b>Crop:</b>	<b>WEEDS &amp; BRUSH ON NON-CROP LAND</b>
<b>Treatment Stage:</b>	For brush species up to 3 metres tall, spray after the foliage is well developed. For taller brush or trees, cut close to the ground and spray as recommended when growth is over 60 centimetres tall.
<b>Susceptible Species:</b>	Consult local spray calendars for susceptible species.
<b>Rates to Use:</b>	Foliage and Stem Treatment: 3.5 to 7 L per hectare Use sufficient water to thoroughly wet the foliage. (800 to 1600 litres per hectare.)
<b>Pre-Harvest Intervals: (for Weeds and Brush on Non-Cropland)</b>	
<ol style="list-style-type: none"> <li>1. Do not permit lactating dairy animals to graze fields within 7 days after application.</li> <li>2. Do not harvest forage or cut hay within 30 days after application.</li> <li>3. Withdraw meat animals from treated fields at least 3 days before slaughter.</li> </ol>	
GO TO SECTION 8	
<b>SECTION 6</b>	
<b>Crop:</b>	<b>BASAL BARK AND STUMPS</b>
<b>Basal Bark Treatment:</b>	3.5 to 6.0 litres in 100 litres of diesel fuel. Wet the lower one half to one metre of stems until material runs down all sides and collects around root collar at ground line. Apply in any season.

<b>Stump Treatment:</b>	3.5 to 6.0 litres in 100 litres of diesel fuel. For best results, use on stumps 7 centimetres thick or larger. To prevent resprouting, spray the entire stump particularly bark and exposed roots. Use at any time of the year but as soon as possible after trees are cut. A thorough drenching is essential for complete kill. Apply with a brush or sprayer.
GO TO SECTION 8	

SECTION 7							
<b>1. Tank Mixes: 2,4-D L.V. Ester 600 + Avenge (R) 200-C</b>	Use tank mixes only when they are recommended for use. Read and follow the directions on both products used in a tank mix.						
<b>Crop:</b>	BARLEY AND THE FOLLOWING WHEAT VARIETIES: NEEPAWA, GLENLEA, SELKIRK, CHESTER, MACOUN, CANUCK, BENITO, COLUMBUS, FIELDER, LEADER, KATEPWA AND HY 320.						
<b>Treatment Stage:</b>	Apply at the 3-5 leaf stage of wild oats.						
<b>Weeds Controlled:</b>	Wild Oats, broadleaf Weeds susceptible to 2,4-D (see Section 2).						
<b>Rates to Use:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Avenge 200-C</td> <td style="width: 50%;">3.5-4.25 L/ha</td> </tr> <tr> <td>2,4-D L.V.</td> <td></td> </tr> <tr> <td>Ester 600</td> <td>700-950 mL/ha</td> </tr> </table> NOTE: DO NOT USE, 2,4-D AMINE WITH AVENGE 200-C.	Avenge 200-C	3.5-4.25 L/ha	2,4-D L.V.		Ester 600	700-950 mL/ha
Avenge 200-C	3.5-4.25 L/ha						
2,4-D L.V.							
Ester 600	700-950 mL/ha						
GO TO SECTION 8							

### SECTION 8

**Mixing and Application Instructions:**

1. Fill tank half full with water.

2. Add 2,4-D L.V. Ester 600. For containers larger than 20 L, use a direct transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.
3. When tank mixing, add 2,4-D L.V. Ester 600 first.
4. Complete filling of tank with water.
5. Use 60-240 litres of water per hectare unless otherwise specified.
6. Do not exceed 275 kPa pressure for ground application.

**Use Precautions for Aerial Application:** (to cereal crops, pastures, rangeland and non-cropland)

1. Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
2. A minimum volume of 30 L per hectare of spray solution can be safely used depending on the type of application system and the target site. Use a maximum pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
3. Do not apply this product directly to, or otherwise permit it to come in direct contact with desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
4. Coarse sprays are less likely to drift, use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
5. Do not use human flaggers.
6. Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or a continuous smoke column at or near the spray site or a smoke generator connected to the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray. Do not spray in winds exceeding 8 km per hour.

7. Buffer zones: Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and significant wildlife habitat.

GO TO SECTION 9

## SECTION 9

### First Aid:

1. In case of poisoning, call a physician or poison control centre immediately.
2. If on skin, remove contaminated clothing and wash skin thoroughly with soap and water.
3. If in eyes, flush with water immediately and continue for 5-10 minutes. Obtain medical attention.
4. If swallowed, do not induce vomiting but rush patient to nearest hospital or doctor's office. Take the pesticide label with you.

GO TO SECTION 10

## SECTION 10

### Disposal Information:

1. Rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the manufacturer.

### Notice to User:

This control product is to be used only in accordance with the directions on 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.

\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any resulting, directly or indirectly, from reliance upon this service.

+) )