



## SECTION 1

<p>PRECAUTIONS: Handling precautions:</p>	<p>Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist or vapours.</p>
<p>Protective Clothing and Equipment:</p>	<p>Handling the concentrate (mixing and loading):</p> <ol style="list-style-type: none"> <li>1. Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (face shield or safety glasses). Rinse gloves before removal.</li> <li>2. Coveralls or a chemical-resistant apron should also be worn when open pouring from container greater than 5 L into spray tank.</li> </ol> <p>Handling the dilute spray solution (during application or repairing or cleaning equipment):</p> <ol style="list-style-type: none"> <li>1. Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal.</li> <li>2. Gloves are not required during application when applicator is in an enclosed tractor or in an enclosed airplane cockpit.</li> </ol>
<p>Operator use precautions:</p>	<ol style="list-style-type: none"> <li>1. Wear freshly laundered clothing and clean protective equipment daily.</li> <li>2. Rinse gloves before removal.</li> <li>3. Wash hands before eating, drinking, using tobacco or using the toilet.</li> <li>4. 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.</li> <li>5. 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.</li> <li>6. After work, remove all clothing and shower using soap and water.</li> </ol>

General precautions:	<ol style="list-style-type: none"> <li>1. KEEP OUT OF REACH OF CHILDREN.</li> <li>2. Do not spray when there is any danger of wind or on exceptionally hot days over 27 C.</li> <li>3. Avoid spray or vapour drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugarbeets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.</li> <li>4. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible. Use special care in airplane application where danger from drift is greater.</li> <li>5. Avoid contamination of foods.</li> <li>6. Do not use in a greenhouse.</li> <li>7. Keep in original container during storage.</li> <li>8. Do not store near seeds, feeds, fertilizers or pesticides used on crops sensitive to this product.</li> <li>9. Keep away from fire or open flame and other sources of heat.</li> <li>10. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product. Do not re-use empty containers.</li> </ol>
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GO TO SECTION 2

SECTION 2	
Crop:	SPRING WHEAT, BARLEY, RYE
Treatment Stage:	Ground or air application. Treat from the 4th leaf stage to just before the flag leaf (shot blade) stage. (Do not treat crop underseeded to legumes.)
Susceptible Weeds:	Bluebur, Ragweed, Kochia, Lamb's-quarters, Shepherd's Purse, Stinkweed, Cocklebur, Prickly Lettuce, Mustards, Russian Pigweed. Flixweed, Narrow-Leafed Hawks beard- Susceptible in the fall and at 1-2 leaf stage in the spring.

Rates to Use on Susceptible Weeds:	Small seedlings, good growing conditions:475 mL/ha Weeds in bud, dry conditions, or heavy infestation: 850 mL/ha
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Harder to Kill Weeds:	Common Peppergrass, Curled Dock, Dandelions, Redroot Pigweed, Prostrate Pigweed, Russian Thistle, Dog Mustard, Sow Thistle*, Canada Thistle*, Leafy Spurge*, Blue Lettuce*. Flixweed, Narrow-Leafed Hawks beard controlled in spring if treated before bolting stage. *Top growth control only.
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Rates to Use on Harder to Kill Weeds:	Small seedlings, good growing conditions:925 mL/ha Weeds in bud, dry conditions, or heavy infestations: 1.1 L/ha NOTE: These high rates may result in deformities, but improved weed control should result in higher yields.
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Pre-Harvest Intervals (wheat, barley, rye):	<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>
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GO TO SECTION 8

SECTION 3

Crop:	WINTER WHEAT, FALL RYE
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Treatment Stage:	Treat in the spring between the time the crop starts to grow until the flag leaf stage.
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Susceptible Weeds:	As listed in Section 2.
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Rates to Use on Susceptible Weeds:	Small seedlings, good growing conditions:475 mL/ha Weeds in bud, dry conditions, very heavy infestations: 700 mL/ha
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Harder to Kill Weeds:	As listed in Section 2.	
Rate to Use on Harder to Kill Weeds:	Small seedlings growing rapidly, good growing conditions: 785 mL/ha (Rates above 785 mL/ha may cause damage.)	
Pre-Harvest Intervals (winter wheat, fall rye):	<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		
SECTION 4		
Crop:	ESTABLISHED GRASS PASTURES, RANGELAND	
Treatment Stage:	Treat established pastures only in spring (May and early June) or early September.	
Susceptible Weeds:	As listed in Section 2.	
Rates of Use on Susceptible Weeds:	Young Weeds:	1.5 L/ha
	Older Weeds:	2.5 L/ha
Harder to Kill Weeds:	As listed in Section 2.	
Rate to Use on Harder to Kill Weeds:	2.5 L/ha	
Pre-Harvest Intervals (established grass pastures, rangeland):	<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		
SECTION 5		
Crop:	WEEDS & BRUSH ON NON-CROP LAND	
Susceptible Species:	Consult provincial spray calendars for a list of susceptible species.	



Weeds Controlled:	Cow Cockle, Flixweed (fall rosette and spring seedlings), Kochia (2-10 leaf), Lamb's-quarters, Prickly Lettuce, Ball Mustard, Hare's-ear Mustard, Indian Mustard, Tumble Mustard, Wormseed Mustard, Wild Mustard, Narrow-leaved Hawk's-beard (fall rosettes and spring seedlings), Redroot Pigweed, Russian Pigweed, Russian Thistle, Shepherd's Purse (fall rosettes and spring seedlings), Stinkweed (fall rosettes and spring seedlings), annual Sunflowers, Sweetclover, Thyme-based Spurge and Wild Radish; plus "suppression" of Canada Thistle and Wild Buckwheat (see Express label for details).	
Rates to Use:	Express 75DF + 2,4-D LV Ester 700	10 grams/ha + 600 - 800 mL/ha
3. TANK MIX:	2,4-D L.V. Ester 700 + Refine Extra(R) (75%) +Surfactant (eg. AgSurf(R))	
Crop:	Wheat (Spring, Durum and Winter) and Barley. DO NOT USE ON OATS.	
Treatment Stage:	Full 3 leaf to just before the flag leaf of the crop prior to canopy closing. Apply to young, actively growing weeds that are less than 10 cm high or across.	
Weed Controlled:	Control of annual Smartweed (Green Smartweed and Lady's-thumb), Ball Mustard, Burdocks (seedling), Chickweed, Cocklebur, Common Ragweed, Cow Cockle, False Ragweed, Flixweed, Giant Ragweed, Corn Spurry, Hare's-ear Mustard, Hemp-nettle, Indian Mustard, Kochia, Lamb's-quarters, Plantain (common), Prickly Lettuce, Redroot Pigweed, Russian Pigweed, Russian Thistle, Shepherd's Purse, Stinkweed, Sweetclover, Tartary Buckwheat, Tumble Mustard, Wild Buckwheat, Wild Mustard, Wild Radish, Wormseed Mustard and Volunteer Rapeseed. SUPPRESSION of Sow Thistle, Round-Leaved Mallow and Canada Thistle (See Refine Extra label for details).	
Rates to Use:	Refine Extra + 2,4-D L.V. Ester 700 + Surfactant(eg. AgSurf)	20 grams/ha + 600 mL - 800 mL/ha + 2 L/1000 L of spray solution
4. TANK MIX:	2,4-D L.V. Ester 700 + Ally(R) + Surfactant (AgSurf)	

Crop:	For use on Wheat and Barley in the Prairie Provinces and the Peace River Region of British Columbia (soil pH of 7.9 or lower)	
Treatment Stage:	Full 3 leaf to just before the flag leaf stage of wheat and barley to actively growing weeds (See Ally label for full details).	
Weeds Controlled:	Annual Sunflower, Chickweed, Cow Cockle, Flixweed, Green Smartweed, Hemp-nettle, Kochia, Narrow-Leaved Hawk's-Beard (spring seedlings), Plantain, Prickly Lettuce, Redroot Pigweed, Russian Pigweed, Russian Thistle, Sow Thistle, Stinkweed, Sweetclover, Volunteer Rapeseed, Wild Mustard and Wormseed Mustard, SUPPRESSION of Canada Thistle, Sow Thistle and Wild Buckwheat (See Ally label for details). The high rate of Ally in tank-mix will control Bluebur, Corn Spurry, Prostrate Pigweed, Stork's Bill, Common Groundsel, Lady's-thumb, Scentless Chamomile and Tartary Buckwheat as well.	
Rates to Use:	Ally + 2,4-D L.V. Ester 700 + Surfactant (eg. AgSurf)	5.0 - 7.5 grams/ha + 600 mL - 800 mL/ha + 2 Litres/1000 L of spray solution
Pre-Harvest Intervals (spring, winter, and durum wheat, barley):	<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		

## SECTION 8

### MIXING AND APPLICATION INSTRUCTIONS

- Mixing:
1. Fill tank 1/2 full with water. Start agitation.
  2. Add 2,4-D L.V. Ester 700. Transfer System: For containers larger than 20L, use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.



3. When Avenge is used, add after 2,4-D L.V. Ester 700 when tank is 3/4 full. When Express DF, Refine Extra, Ally or Assert is used, add to the spray tank before the 2,4-D. Then add the 2,4-D L.V. Ester 700 when the tank is 3/4 full. Add Surfactant (where applicable) last. See labels of products in tank-mix for full details of mixing.
4. Complete filling of tank with water while maintaining continuous agitation.
5. Use 60-240 litres of water per hectare for application by ground equipment unless otherwise specified on tank-mix product labels.
6. Do not exceed 275 kPa pressure for ground application.

Use Precautions for Aerial Application (to cereals, pastures, rangeland, 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 boom 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 into direct contact with desirable crops or other 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 pressures 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 on 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. Get 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, taking the pesticide label with you, or contact a poison control centre.

GO TO SECTION 10

#### SECTION 10

##### Disposal Information:

1. Triple 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 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 of handling of this product and accepts the product on that condition.

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Avenge is a registered trademark of American Cyanamid Company.

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(( LABEL ))

INTERAG  
Division of AgrEvo

2,4-D ESTER

Low Volatile 700

10 LITRES

AGRICULTURAL

WARNING POISON

READ LABEL AND ATTACHED DIRECTIONS FOR USE BEFORE USING.

GUARANTEE: 2,4-D 660\* g/L  
(Present as iso-octyl ester)  
\*Isomer specific analysis

REGISTRATION NO. 24434  
PEST CONTROL PRODUCTS ACT

AgrEvo Canada Inc.  
295 Henderson Drive  
Regina, SK S4N 6C2  
Telephone: 1-800-667-5959

PRECAUTIONS:

Handling precautions:

Avoid contact with eyes, skin and clothing. May cause skin irritation. Do not breathe spray mist, or vapours. Avoid spray or vapour drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugarbeets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.

PROTECTIVE CLOTHING AND EQUIPMENT

Handling the concentrate (mixing and loading):

1. Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shield or safety glasses). Rinse gloves before removal.
2. Coveralls or a chemical-resistant apron should also be worn when open

pouring from container greater than 5L 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:

1. Wear freshly laundered clothing and clean protective equipment daily.
2. Rinse gloves before removal.
3. Wash hands before eating, drinking, using tobacco or using the toilet.
4. 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.
5. 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.
6. After work, remove all clothing and shower using soap and water.

General precautions:

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
3. Avoid spray or vapour drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugarbeets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
4. Avoid contamination of foods.
5. Do not use in a greenhouse.
6. Keep in original container during storage.
7. Do not store near seeds, feeds, fertilizers or pesticides.
8. Keep away from fire or open flame and other sources of heat.
9. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product.
10. Do not reuse empty containers.

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. Get medical attention, or contact a poison control centre.
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1. Triple rinse the emptied container thoroughly and add the rinsings to the spray mixture in the tank.
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