

2024-03-06  
2023-1289  
(Container)



# 2,4-D LV-700

## Herbicide

GROUP	4	HERBICIDE
-------	---	-----------

For the selective control of broadleaved weeds in wheat, barley, rye, corn, established pastures, rangeland and turf, and for the control of broadleaved weeds and woody plant growth/brush in forestry and industrial sites

COMMERCIAL + RESTRICTED

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: 2,4-D, present as 2-ethylhexyl ester at 660 g /L  
Emulsifiable concentrate

REGISTRATION NO. 29264 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

**WARNING – SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 8.0 L

**Corteva Agriscience Canada Company**  
Suite 240, 115 Quarry Park Rd. SE  
Calgary, AB  
T2C 5G9  
1-800-667-3852

™ Trademark of Corteva Agriscience and its affiliated companies.

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Causes skin irritation. DO NOT get on skin. Harmful if swallowed. Potential skin sensitizer.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## **PROTECTIVE CLOTHING AND EQUIPMENT**

### **Application with Ground and Aerial Equipment**

- During mixing, loading, applying, clean-up and repair, wear coveralls over a 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 an enclosed airplane cockpit.
- No human flaggers are permitted.

### **Application Using Mechanically Pressurized Handgun**

- During mixing, loading, applying, clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
- For applications using mechanically-pressurized handguns:
  - Mixers/loaders/applicators must also wear a respirator if they will be handling more than 7.6 L of 2,4-D LV 700 Herbicide per day.
  - DO NOT handle more than 12.1 L of 2,4-D LV 700 Herbicide per day.

### **Rights-of-Way Applications only using either Backpack Equipment (including low volume, directed stem applications), or Rights-of-Way Equipment (including high volume handheld equipment such as a hose & handgun and lance-type right-of-way sprayers)**

- Applicators must wear coveralls over a long-sleeved shirt, long pants, and chemical-resistant gloves.
- Solution for annual and broadleaf plant control must have a minimum dilution volume of 100 L/ha.
- No limit on the amount of product handled per day.

### **Transfer System**

- For containers larger than 20 L, use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.
- When handling more than 400 L of 2,4-D LV 700 Herbicide per day workers must also use a closed system.

## **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.

## **FIRST AID**

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. This product may cause mild irritation to the eyes. Overexposure to 2,4-D may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL PRECAUTIONS**

Toxic to small wild mammals, birds, aquatic organisms and nontarget terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

## **STORAGE**

To prevent contamination, store this product away from food or feed. This product must be stored away from fertilizers, seeds, insecticides, fungicides or other herbicides intended for use on 2,4-D sensitive crops.

## **DISPOSAL**

### **Recyclable Containers**

Do not reuse this container for any purpose. This is a recyclable container, and 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 empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

**Returnable Containers**

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer.)

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

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

(Booklet)



# 2,4-D LV-700

## Herbicide

GROUP	4	HERBICIDE
-------	---	-----------

For the selective control of broadleaved weeds in wheat, barley, rye, corn, established pastures, rangeland and turf, and for the control of broadleaved weeds and woody plant growth/brush in forestry and industrial sites

COMMERCIAL+ RESTRICTED

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: 2,4-D, present as 2-ethylhexyl ester at 660 g /L  
Emulsifiable concentrate

REGISTRATION NO. 29264 PEST CONTROL PRODUCTS ACT

**CAUTION**  **POISON**

**WARNING – SKIN IRRITANT**  
**POTENTIAL SKIN SENSITIZER**

NET CONTENTS: 8.0 L - bulk

**Corteva Agriscience Canada Company**  
Suite 240, 115 Quarry Park Rd. SE  
Calgary, AB  
T2C 5G9  
1-800-667-3852

™ Trademark of Corteva Agriscience and its affiliated companies.

## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Causes skin irritation. DO NOT get on skin. Harmful if swallowed. Potential skin sensitizer.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

## **PROTECTIVE CLOTHING AND EQUIPMENT**

### **Application with Ground and Aerial Equipment**

- During mixing, loading, applying, clean-up and repair, wear coveralls over a 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 an enclosed airplane cockpit.
- No human flaggers are permitted.

### **Application Using Mechanically-Pressurized Handgun**

- During mixing, loading, applying, clean-up and repair, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
- For applications using mechanically-pressurized handguns:
  - Mixers/loaders/applicators must also wear a respirator if they will be handling more than 7.6 L of 2,4-D LV 700 Herbicide per day.
  - DO NOT handle more than 12.1 L of 2,4-D LV 700 Herbicide per day.

### **Rights-of-Way Applications only using either Backpack Equipment (including low volume, directed stem applications), or Rights-of-Way Equipment (including high volume handheld equipment such as a hose & handgun and lance-type right-of-way sprayers)**

- Applicators must wear coveralls over a long-sleeved shirt, long pants, and chemical-resistant gloves.
- Solution for annual and broadleaf plant control must have a minimum dilution volume of 100 L/ha.
- No limit on the amount of product handled per day.

### **Transfer System**

- For containers larger than 20 L, use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.
- When handling more than 400 L of 2,4-D LV 700 Herbicide per day workers must also use a closed system.

## **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.

## **FIRST AID**

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. This product may cause mild irritation to the eyes. Overexposure to 2,4-D may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL PRECAUTIONS**

Toxic to small wild mammals, birds, aquatic organisms and nontarget terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

## **STORAGE**

To prevent contamination, store this product away from food or feed. This product must be stored away from fertilizers, seeds, insecticides, fungicides or other herbicides intended for use on 2,4-D sensitive crops.

## **DISPOSAL**

### **Recyclable Containers**

Do not reuse this container for any purpose. This is a recyclable container, and 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 empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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

### **Returnable Containers**

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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

### **DIRECTIONS FOR USE – GENERAL PRECAUTIONS**

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

**DO NOT** contaminate irrigation or drinking water suppliers or aquatic habitats by cleaning of equipment or disposal of wastes.

**NOTE:** Local conditions may affect the use of herbicides. Provincial/territorial agricultural authorities issue recommendations to fit local conditions. Be sure that use of this product conforms to all applicable regulations.

### **Sensitive Plants**

Vegetables, flowers, grapes, fruit trees and other desirable plants are sensitive to 2,4-D even in minute quantities. Care should be taken to avoid spraying these types of plants or allowing spray mist to drift onto these plants during both their growing and dormant periods. At higher temperatures, vaporization may cause injury to susceptible plants growing nearby. This product may cause damage to lawns or pastures if applied before the grass is well established. In addition, most legumes may be damaged or killed.

If applying this product using a handheld sprayer, do not directly spray or allow the spray to drift onto ornamentals or gardens.

Do not spray roots of trees and ornamentals.

### **Tank Mixtures**

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or [www.corteva.ca](http://www.corteva.ca) for information before applying any tank mix that is not specifically recommended on this label.

### **Field sprayer application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground.

### **Aerial application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotor-span.



### **Directions for Use**

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

### **Use Precautions**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

### **Operator Precautions**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. Do not use human flaggers.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls over a long sleeved-shirt, long pants, socks plus shoes, and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3852 or obtain technical advice from the distributor or your provincial agricultural representative.

Do not angle nozzles forward into the air-stream and do not increase the spray volume by increasing nozzle pressure. A spray thickening agent or drift retardant may be used with this product to air in reducing spray drift. Fixed and rotary-winged aerial applications to field crops should be made in a minimum of 30 L/ha total spray mixture.

**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.

**Before aerial application to forests** – Consult the most recent provincially approved topographic maps of the area to be treated (1: 50 000) or more up-to-date information (e.g. GPS Systems) to identify sensitive aquatic habitats.

Sensitive aquatic habitats include: (1) All running (lotic) and standing (lentic) water bodies, including impoundments, beaver ponds and bog ponds, that appear on the map of GPS system; (2) Running (lotic) and standing (lentic) water bodies that do not appear on the map of GPS system but are visible from the air.

## **DIRECTIONS FOR USE - CROP USE**

### **Ground Application**

Apply 50 to 200 L of spray solution per hectare depending on the type of application equipment used. Use sufficient water for even distribution. Apply when the weeds are actively growing. Follow DIRECTIONS FOR USE – GENERAL PRECAUTIONS.

### **Aerial Application (including fixed and rotary wing aircraft)**

Apply a minimum of 30 L of spray solution per hectare depending on the type of application system being used. Use boom pressures of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices. Follow DIRECTIONS FOR USE – GENERAL PRECAUTIONS.

### **To Prepare a Spray**

If this product is exposed to temperatures below -20°C, it should be warmed to at least 5°C and mixed thoroughly before using.

Add half the required amount of water to the spray tank, then the 2,4-D LV-700 Herbicide with agitation, and finally the balance of the water with continued agitation.

**WARNING:** If preparing straight oil mixtures, do not let water get into the product or the finished mixture.

**NOTE:** This product in water forms an emulsion, not a solution, which tends to separate on standing. Agitate to prevent such separation and ensure uniformity of spray mixture.

### **Spot Treatment**

For knapsack application of 2,4-D LV-700 Herbicide for spot treatment of weeds such as thistles, mix 0.17 L of product in 10 L of water. Wet all foliage thoroughly.

### **Selective Weed Control in Small Grains**

Weeds differ in their susceptibility to 2,4-D LV-700 Herbicide and not all types can be controlled satisfactorily in crops. The amount of 2,4-D LV-700 Herbicide to use will depend upon the susceptibility and whether the crops will tolerate this amount. See Table 1.

### **Wheat, Barley and Rye**

Spray from the 3-leaf expanded stage (15 cm tall) to just before the flag-leaf (shot-blade) stage. To avoid crop injury, do not treat during boot and flowering stages. Winter wheat and fall rye should be treated in early spring, as soon as weeds appear and before the crop reaches the shot-blade stage.

**Table 1: Suggested Amounts of 2,4-D LV-700 Herbicide for Weed Control in Cereals (not underseeded to legumes)**

Mixed Weedy Growth	Stage of Weed Kind of Weather	Amount L/ha	Hectares Treated/20L
Susceptible weeds such as: mustard (except dog and green tansy), flixweed, bluebur, burdock, cocklebur, field horsetail*, stinkweed, goatsbeard, prickly lettuce, hoary cress*, kochia, lamb's-quarters, plantain, ragweeds, Russian knapweed, Russian thistle, shepherd's purse, annual sunflower, sweet clover, vetch, wild radish	Seedling (2-4 leaves) Growing rapidly	0.51 L	33
	Weeds in bud Dry, cool weather Heavy infestation	0.77 L	22
Harder to kill weeds such as: biennial wormwood, docks, dandelion, dog mustard, field peppergrass, hairy galinsoga, gumweed, hedge bindweed, lady's thumb, oak leaf goosefoot, redroot pigweed, Russian thistle, smartweed, annual sow-thistle, tansy, Tartary buckwheat, tumbleweed, blue lettuce*, Canada thistle*, field bindweed*, leafy spurge*, perennial sow-thistle*, wild buckwheat▼	Seedling (2-4 leaves) Growing rapidly	0.85†	20
	Weeds in bud Dry or cool weather Heavy infestation	1.28 L†	13

\*Top growth control only.

▼Better control will result from 2 treatments applied one week apart at 0.51 L/ha 2,4-D LV-700 Herbicide.

†The higher rates may cause deformities and delayed maturity which will be offset by a higher relative yield from a less weedy crop.

### Corn Postemergence

Treat with 0.60 L/ha when corn plants are 15 to 20 cm tall and most weeds have germinated but are still in seedling stage. Use drop nozzles to keep spray off corn foliage. Do not cultivate until at least 2 weeks after treatment.

### Established Grasses - Eastern Canada

For the control of yellow rocket and other susceptible winter annual weeds, spray with 1.45 L of 2,4-D LV-700 Herbicide/ha. Application should be made in early fall.

### Established Pastures and Rangeland - Western Canada

To control susceptible perennials or winter annuals, spray 0.68 to 1.28 L/ha before growth of legumes and grasses starts in the spring.

### Pre-Harvest Interval

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

### Turf

To control susceptible weeds, use 1.28 to 2.35 L/ha in enough water for coverage.

### For Field Sprayer Application Only

- DO NOT apply by air
- DO NOT apply more than two applications per season
- DO NOT apply to the exposed roots of trees and ornaments

- If weed populations do not warrant a broadcast application (e.g., entire lawn), consider spot treatments that target only weedy areas
- This product is only effective when applied to the leaves of actively growing weeds. This product will not prevent new weeds - apply only when weeds are present.

### Re-entry Interval for Turf

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.

### Maximum Application Frequency for Turf

For good turf/lawn management, normally two applications per year per treatment site are adequate. This does not include spot treatments.

**WARNING:** Do not use on lawns of creeping grasses such as bent, except for spot spraying or on freshly seeded turf until grass has become well established. Most legumes are usually damaged or killed.

## TANK-MIX COMBINATION - 2,4-D ESTER 700 HERBICIDE + FLORASULAM SC HERBICIDE

### Crops Registered

Spring wheat (including durum)

### Application Directions

For control of a wide spectrum of broadleaved weeds (see Table 2) apply 2,4-D LV-700 Herbicide at 0.85 L/ha tank-mixed with Florasulam SC Herbicide at 100 mL/ha. Apply when wheat is in the 3 leaf expanded stage to the 6 leaf stage. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be affected. Best results are obtained from application made to seedling weeds. Follow DIRECTIONS FOR USE – GENERAL PRECAUTIONS.

**Table 2: Weeds Controlled or Suppressed by the Tank Mixture of 2,4-D LV-700 Herbicide + Florasulam SC Herbicide**

#### Weeds Controlled:

bluebur	flixweed	ragweed, common
burdock	kochia♦♦	shepherd's purse
buckwheat, tartary	lady's-thumb	smartweed
buckwheat, wild	lamb's quarters	sowthistle, annual
canola, volunteer*	mustard, ball	stinkweed
chickweed, common	mustard, wild	sunflower, annual
cleavers	pigweed, redroot	thistle, Russian
cocklebur	plantain	vetch
dandelion (seedlings and overwintered rosettes)	prickly lettuce	wild radish

\*Including all herbicide-tolerant canola varieties.

♦♦Up to 5 cm in height

#### Weeds Suppressed:

hempnettle  
sowthistle, perennial (top growth control)  
thistle, Canada (top growth control)

### Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add Florasulam SC Herbicide
4. Add 2,4-D LV-700 Herbicide and continue to agitate.

5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. canola and legumes).
7. Follow sprayer clean-up directions.

#### **Pre-Harvest/Grazing Intervals (2,4-D LV-700 Herbicide + Florasulam SC Herbicide)**

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.
4. Do not harvest the treated mature crop within 60 days after application.

#### **DIRECTIONS FOR USE - NON-CROP USE**

2,4-D LV-700 Herbicide may be used to control broadleaved weeds and brush in non-cropland sites such as vacant lots, roadsides, fencerows, rights of way (hydro, highway, railway, pipeline) and industrial sites.

##### **Ground Application**

Apply 50 to 3000 L of spray solution per hectare depending on the type of application system being used. Use sufficient water to ensure uniform coverage. Follow DIRECTIONS FOR USE – GENERAL PRECAUTIONS.

##### **Aerial Application (Including Fixed And Rotary Wing Aircraft)**

Aerial application may be preferred for treating large areas or tall and dense stands of brush on rough terrain. Repeat application may be necessary for understory plants or intermediately susceptible species. For every susceptible species such as Western snowberry and willow use 2.82 L per hectare. Follow DIRECTIONS FOR USE – GENERAL PRECAUTIONS.

##### **To Prepare A Spray**

**Water:** Add half the required amount of water to the empty spray tank, then add 2,4-D LV-700 Herbicide with mixing, and finally the balance of the water with continued mixing. Keep mixing to make certain of a uniform spray.

**Oil:** When 2,4-D LV-700 Herbicide is to be used in oil, do not let water get into the product or spray tank. Add some of the oil carrier to the tank, then add the 2,4-D LV-700 Herbicide needed and the rest of the oil. Moderate by-pass mixing will give a stable solution.

Use only Diesel Oil No. 1 or No. 2 Fuel Oil or Kerosene where oil is recommended in the spray mixture.

**Oil-Water Mixture:** With vigorous agitation, 0.85 L of 2,4-D LV-700 Herbicide will emulsify up to 10 L of oil in 100 L of spray mixture. First premix the 2,4-D LV-700 Herbicide and oil in a separate container. Never allow any water, or mixtures containing water, to get into the 2,4-D LV-700 Herbicide or the oil spray premix. Start running the water into the empty spray tank, then slowly add the premix with continuous agitation. All the premix should be in the tank by the time 1/3 of the water is in. If the premix is put in the tank without any water, the first water added may form a thick "invert" (water in oil) emulsion which will be hard to break.

**NOTE:** 2,4-D LV-700 Herbicide in water or oil-water sprays forms an emulsion, not a solution, and separation may take place unless sprays are agitated continuously until used up. Mechanical agitation is recommended.

##### **Roadside and General Broadleaved Weed Control**

Apply 0.85 to 3.4 L per hectare depending on weed species present. Apply in at least 100 L water per hectare as a broadcast application with a fixed boom or mounted boomless nozzle. Tall weed growth may be treated with a drenching spray to point of run-off using 3.2 L of 2,4-D LV-700 Herbicide in 1000 L water. Deep-rooted perennial weeds such as bindweed and Canada thistle may require repeat application.

### **Pre-Harvest/Grazing Intervals**

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

### **Brush Control - Ground Application**

#### **Foliage Treatment**

Depending on type of spray equipment available and size of brush, either a drenching spray or a low-volume spray may be utilized. Best results usually will be obtained from applications made soon after maximum foliage development in the spring. Less effective control may result during prolonged hot, dry weather. With good growing conditions, application may be made up to 2 to 3 weeks before normal frost time. Power equipment with pressures up to 1700 kPa will aid in obtaining satisfactory spray coverage and foliage penetration. Repeat applications may be necessary as new growth develops.

**For tall brush up to 2.5 m in height:** Use a drenching spray containing 6.8 L of 2,4-D LV-700 Herbicide in 1000 L water. Wet all foliage and stems to point of run-off. This may require 1000 to 3000 L of solution per hectare depending on density of brush. Poison ivy, some brambles and certain susceptible species may be controlled by using 4.3 L per 1000 L water. For every susceptible species such as Western snowberry and willow use 2.82 L per 1000 L water. Brush over 2.5 m should be cut and regrowth sprayed.

**For low-growing brush or regrowth:** A low volume spray applied in swaths with a fixed boom or mounted boomless nozzle may be used. Use 4.3 to 6.8 L of 2,4-D LV-700 Herbicide in 1000 to 1500 L spray solution per hectare.

### **Pre-Harvest/Grazing Intervals**

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

### **Stump Treatment**

If growth is more than 2.5 m tall, cut it close to the ground and spray the stumps and stubs. Use a solution of 25.6 L of 2,4-D LV-700 Herbicide in 1000 L of diesel oil, fuel oil or kerosene, mixed thoroughly. All exposed bark, as well as cut surfaces, should be wet thoroughly. This means spraying until run-down or run-off to the ground line is noticeable. Old or rough bark requires more spray volume than young or smooth bark. Apply at any time, including the winter months, preferably to freshly-cut stems. Best results are usually obtained on stumps 5 cm across or larger. Trash from brush cutting operations such as sawdust, leaves and branches, etc. should be removed from the base of the stumps before chemical is applied.

### **Basal Bark Treatment**

Brush and small trees can be controlled by spraying the basal parts of brush stems and tree trunks to a height of 50 cm from the ground line (low thick brush may be treated with an overall spray). Use of a solution of 25.6 L of 2,4-D LV-700 Herbicide in 1000 L of diesel oil, fuel oil or kerosene is effective.

Knapsack or power equipment may be used but complete wetting of the indicated area is necessary, particularly at the ground line. This means spraying until run-down or run-off to the ground line is noticeable. Old or rough bark requires more spray volume than young or smooth bark. Low pressures are desirable. Apply at any time, including winter months. Often delayed response in killing can be expected. Treated brush or trees preferably should not be cut for a period of 1 year following application.

### **“Frill” Treatment**

For large trees, make single hack girdle or “frill” of over-lapping axe cuts as close to the ground as possible. Treat the injured area with a mixture of 25.6 L of 2,4-D LV-700 Herbicide in 1000 L (384 mL in 15 L) of oil.

## **RESTRICTED USE: FOREST AND WOODLAND MANAGEMENT**

**NATURE OF RESTRICTION:** This product is to be used only in the manner authorized. Consult local pesticide regulatory authorities about use permits which may be required.

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

### **CONIFER RELEASE - AERIAL APPLICATION**

To control the growth of undesirable hardwood species including alder, balsam, poplar, trembling aspen, birch, elm, cherry, hazelnut, sumac, Manitoba maple, thimbleberry and willow in stands of fir, hemlock, spruce and pine, use 3.6 to 4.7 L/ha of 2,4-D LV-700 Herbicide in 30 to 80 L of total spray mixture per hectare. Use a water or an "oil-water" mixture and follow the mixing directions on the label under the directions "To Prepare A Spray". Rates higher than 4.7 L may cause conifer injury. Use the lower rate in stands of pine. To prevent conifer damage, delay spraying until all new conifer growth has hardened off, when the terminal buds feel needle sharp to touch. In Eastern Canada this period is from mid-July until the end of August and in Western Canada this period extends from the end of June until the end of August. Caution should be taken to ensure that the conifer is not in a second phase of active or "lammas" growth in late summer.

For an early spring treatment in B.C. use 4.1 to 4.7 L/ha of 2,4-D LV-700 Herbicide with oil as a dormant spray. To ensure good coverage and reduce the possibility of conifer injury, apply in 30 to 80 L of total spray mixture per hectare before "bud burst" of both the conifers and the undesirable hardwood species to be suppressed.

### **FOREST SITE PREPARATION - AERIAL APPLICATION**

To control mixed hardwood species on sites to be planted to conifers, use 4.7 to 6.8 L of 2,4-D LV-700 Herbicide in 30 to 100 L of total spray mixture per hectare. Apply as a uniform spray when the foliage is well developed and the brush is growing actively. Under conditions of good growth and high soil moisture, sprays can be used 2 to 3 weeks before normal frost time. For best results, use a 10% oil solution and follow the "oil-water" mixing directions on the label under the section To Prepare A Spray.

**NOTE:** When preparing sites for planting, do not plant conifers before spraying as the conifers present at the time of spraying may be injured or killed.

Do not angle nozzles forward into the air-stream and do not increase spray volume by increasing nozzle pressure. A spray thickening agent or drift retardant may be used with this product to air in reducing spray drift. Follow DIRECTIONS FOR USE - GENERAL PRECAUTIONS.

## SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

For application to rights-of-way, spray buffer zones for protection of sensitive terrestrial habitats are not required; however, the best available application strategies which minimize off-site drift, including meteorological conditions (e.g., wind direction, low wind speed) and spray equipment (e.g., coarse droplet sizes, minimizing height about canopy), should be used. Applicators must, however, observe the specified spray buffer zones for protection of sensitive aquatic habitats.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

**Table 4: Spray Buffer zones required to protect sensitive terrestrial and aquatic habitats.**

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:					
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat	
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m		
Field sprayer	Turf		1	0	1	0	1	
	Field crops (wheat, barley, rye, corn)		1	0	1	0	1	
	Grasslands, pastures, rangelands, non-cropland (vacant lots, roadside, fencerows, industrial sites, rights-of way** and brush control)		1	0	1	0	2	
	Forestry (site preparation)		1	0	1	0	NR	
Aerial	Field crops (wheat, barley, rye corn)		Fixed wing	1	0	1	0	45
			Rotary Wing	1	0	1	0	40
	Grasslands, pastures, rangelands		Fixed wing	1	0	1	0	60
			Rotary wing	1	0	1	0	50
	Non-cropland (vacant lots, roadside, fencerows, industrial sites, rights-of way**)	Up to 2.24 kg a.e./ha (3.4 L/ha)	Fixed wing	1	0	1	0	150
			Rotary wing	1	0	1	0	80



	Forestry (site preparation)	2.4 kg a.e./ha (3.6 L/ha) to less than 3.1 kg a.e./ha (4.7 L/ha)	Fixed wing	15	0	0	0	NR
			Rotary wing	5	0	0	0	NR
		3.1 kg a.e./ha (4.7 L/ha) to less than 4.48 kg a.e./ha (6.8 L/ha)	Fixed wing	30	0	0	0	NR
			Rotary Wing	20	0	0	0	NR
		4.48 kg a.e./ha (6.8 L/ha)	Fixed wing	45	0	1	0	NR
			Rotary Wing	30	0	1	0	NR

\*\* Spray buffer zones for the protection of terrestrial habitats are not required for use on rights-of-way including vacant lots, roadsides, fencerows, rights of way (hydro, highway, railway, pipeline) and industrial sites.

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, 2,4-D LV-700 Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to 2,4-D LV-700 Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of 2,4-D LV-700 Herbicide or other Group 4 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Corteva Agriscience Canada Company at 1-800-667-3852 or at [www.corteva.ca](http://www.corteva.ca).

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

<sup>TM</sup>Trademark of Corteva Agriscience and its affiliated companies.

All other products listed are registered trademarks of their respective companies.