(Sleeve)

GROUP 4 HERBICIDE

NUFARM

ESTAPROP® Plus Liquid Herbicide

CONTAINS DICHLORPROP AND 2,4-D EMULSIFIABLE CONCENTRATE

For use in wheat, barley, industrial and non-crop land.

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE:

Dichlorprop, present as 2-ethylhexyl ester ... 300 g /L 2,4-D, present as 2-ethylhexyl ester ... 282 g a.e./L

REGISTRATION NO. 27968 PEST CONTROL PRODUCTS ACT

WARNING

POISON

POTENTIAL SKIN SENSITIZER

(1Litre to Bulk-Litres)

Nufarm Agriculture Inc. 5507 1st Street SE Calgary, Alberta T2H 1H9 1-800-868-5444

24 Hour Emergency Response Number 1-800-424-9300

ESTAPROP is a registered trademark of Nufarm Agriculture Inc.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful or fatal if swallowed. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes IMMEDIATELY. After use, wash hands and other exposed skin. Avoid breathing spray mist.

If this pest control product is to be used on a commodity that may be exported to the U. S. and you require information on acceptable residue levels in the U. S., visit CropLife Canada's website at: www.croplife.ca.

ENVIRONMENTAL HAZARDS:

This product contains a petroleum distillate which his moderately to highly toxic to aquatic organisms. Toxic to small mammals, birds, aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

This product will harm other broadleaved plants in the vicinity of the treatment area. 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 exposed roots of trees and ornamentals.

LEACHING: The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

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

Avoid application of this product when heavy rain is forecast.

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

Do not irrigate within 24 hours after application.

PROTECTIVE CLOTHING AND EQUIPMENT:

Handling the concentrate (mixing and loading): Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes and protective eye wear (face shield or safety glasses). Rinse gloves before removal.

Handling the dilute spray solution (during application or repairing or cleaning equipment): 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.

When handling more than $940\ L$ of Estaporop Plus Liquid 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:

If swallowed, Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. 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 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.

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.

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

TOXICOLOGICAL INFORMATION:

No specific antidote. Contains petroleum distillates. Do not induce vomiting. Vomiting may cause aspiration pneumonia. 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.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrex, 1-800-424-9300. For health or environmental emergencies, Prosar, 1-877-325-1840. For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

STORAGE CONDITIONS:

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. May be stored at any temperature. SHAKE WELL BEFORE USING.

DISPOSAL:

For 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 requirements.

For 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 Returnable-Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial 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. The user assumes the risk to persons or property that arises from any such use of this product.

09-1641 & 09-4369

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When handling more than 940 L of Estaporop Plus Liquid Herbicide per day, workers must also use a closed system.

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DIRECTIONS FOR USE:

DO NOT apply this product directly to freshwater habitats such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands, estuaries or marine habitats.

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

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, ESTAPROP Plus Liquid Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to ESTAPROP Plus Liquid 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 ESTAPROP Plus Liquid Herbicide or other Group 4 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.

- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 Nufarm Agriculture Inc. at 1-800-868-5444 or at www.nufarm.ca.

GENERAL USE PRECAUTIONS:

ESTAPROP Plus Liquid Herbicide may cause damage to susceptible crop, ornamental, and other plants, even in minute quantities.

Avoid spray drift to any desirable vegetation. Coarse sprays are less likely to drift.

Do not spray during periods of high winds.

Do not graze or cut treated crops for forage until 40 days after application.

Withdraw meat animals from treated fields at least 3 days before slaughter.

MIXING:

Shake well before using. To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of ESTAPROP Plus Liquid Herbicide and agitate thoroughly. Add the remainder of the water and agitate before spraying. If the spray solution has been left standing, agitate thoroughly before use. Wash sprayer thoroughly after use.

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.

EQUIPMENT AND SPRAY VOLUME:

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Apply in 50 to 200 litres of water per hectare by ground equipment unless otherwise indicated. Higher water volumes will reduce the risk of crop injury.

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) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distributions along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Apply in a minimum of 30 litres of water per hectare by aerial equipment.

AGRICULTURAL FIELD CROP USES:

CROPS, TIMING, RATES AND METHODS OF APPLICATION:

Crops under stress from adverse environmental conditions such as excess moisture, drought, disease, etc. may suffer a further setback when ESTAPROP Plus Liquid Herbicide is applied; however, the crop injury that may occur is usually offset by the benefits of enhanced weed control.

Apply in warm weather when the crop and weeds are growing well, and the weeds are at a susceptible stage.

Avoid application during drought conditions or during exceptionally hot weather.

CROP:

Spring Cereals (Wheat, Barley), not underseeded with legumes

APPLICATION TIME:

From the 4-leaf expanded to the early flag-leaf (shot blade) stage.

Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE: 1.75 L.

CROP:

Winter Wheat

APPLICATION TIME:

In spring, from full tillering to the shot blade stage.

Do not apply during and after the flag-leaf stage.

Do not apply to seedling winter cereals in the fall.

Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE: 1.75 L

WEEDS CONTROLLED WITH 1.75 LITRES PER HECTARE:

Annual sow-thistle Prickly Lettuce (Winter wheat)*****

Ball mustard Ragweeds

Bluebur Redroot pigweed
Burdock Round-leaved mallow
Canada Thistle* Russian pigweed
Cocklebur Russian-thistle**
Curled dock* Shepherd's-purse
Dandelion season-long control (winter wheat) Smartweeds***

Dog mustard Spreading Atriplex *****

Flixweed Stinkweed

Hare's-ear mustard Stork's-bill
Giant Ragweed ****
Indian mustard Tumble mustard

Kochia** Volunteer rapeseed (Canola)

Lady's-thumb*** Volunteer sunflower

Lamb's-quarters
Night-flowering catchfly****
Oak-leaved goosefoot
Perennial sow-thistle*

Wild buckwheat Wild mustard Wormseed mustard

Toadflax - **suppression only** (where suppression is a visual reduction in weed competition, i.e. reduced population and/or vigour). Degree of suppression will vary with the size of the Toadflax and environmental conditions prior and to following treatment. Apply when the majority of the toadflax are no taller than 15 cm. Use of ESTAPROP Plus Liquid Herbicide for suppression of toadflax in wheat or barley is part of a long-term planned approach for toadflax control, which includes spring and fall tillage, fall patch spraying, summerfallow and/or chemical fallow.

TANK MIXES:

ESTAPROP Plus Liquid Herbicide may be recommended in tank mix with other products. Consult the label of the tank mix partner product, and follow the most stringent set of precautions, restrictions and directions for use.

Herbicide Tank-Mix Partner	Crops	Rate (L/ha)	Additional Weeds	Mixing Order	Notes
Achieve [®]	Spring &	1.75 L	Annual	Partially fill tank with	Do not apply
Liquid	durum	Estaprop Plus	grasses as	water, then add	tank-mix before
	wheat,	+	on the	Achieve Liquid.	4-leaf stage of the
	barley	0.5 L	Achieve	Agitate, add Estaprop	crop.
		Achieve	Liquid label	Plus. Agitate, add	
		Liquid		Turbocharge. Maintain	
		+		agitation and complete	
		0.5% v/v		filling.	
		Turbocharge			
Assert®	Spring &	1.75 L	Wild oats	Partially fill tank with	For use only in the
300SC	durum	Estaprop Plus		water, then add pH	Prairie Provinces
	wheat	+		Adjuster. Agitate, add	and Peace River
		1.3 to 1.6 L		Assert 300SC. Agitate,	Regions of BC.
		Assert 300SC		add Estaprop Plus.	
		+		Maintain agitation and	Do not apply this
		pH Adjuster		complete filling.	tank mix by air.

^{*}Top growth control only

^{**} Spray before plants are 5 cm high

^{***} Spray before the 4-leaf stage

^{****} Spring annuals only

^{*****}post-emergence application, between full tillering and early flag leaf stage of winter wheat, 2 to 12-leaf stage of prickly lettuce; cotyledon to 6 leaf for Giant Ragweed; cotyledon to 10 leaf for Spreading Atriplex. Pre-harvest interval (PHI): 40 days

Avenge [®] 200C	Wheat & barley	1.75 L Estaprop Plus + 3.5 to 4.25 L Avenge 200C	Wild oats	Partially fill tank with water, then add Estaprop Plus. Agitate, add Avenge 200C. arMaintain agitation and complete filling.	Do not apply when underseeded to legumes.
Everest®	Spring wheat	1.75 L Estaprop Plus + 21.5 g - 43 g Everest + 0.25% v/v Surfactant	Annual grasses as on the Everest label	Partially fill tank with water, then add Everest. Agitate, add Estaprop Plus. Agitate, add surfactant. Maintain agitation and complete filling.	For use only in the Prairie Provinces and Peace River Regions of BC. Do not apply this tank mix by air.
Horizon® 240EC (component of Horizon Tank Mix Concept)	Spring & durum wheat	1.75 L Estaprop Plus + 230 – 290mL Horizon 240EC + 800 mL – 1 L Score	Annual grasses as on the Horizon 240EC label (component of Horizon Tank Mix Concept)	Partially fill tank with water, then add Estaprop Plus. Agitate, add Horizon 240EC. Agitate, add Score. Maintain agitation and complete filling.	Do not apply this tank mix by air.
Horizon NG	Spring & durum wheat	1.75 L Estaprop Plus + 0.93 – 1.17 L Horizon NG	Annual grasses as on the Horizon NG label	Partially fill tank with water, then add Estaprop Plus. Agitate, add Horizon NG. Maintain agitation and complete filling.	For use only in the Prairie Provinces and Peace River Regions of BC.
Puma ^{® 120} Super	Spring & durum wheat, barley	1.75 L Estaprop Plus + 385 - 770 mL Puma 120 Super	Annual grasses as on the Puma 120 Super label	Partially fill tank with water, then add Estaprop Plus. Agitate, add Puma 120 Super. Maintain agitation and complete filling.	Puma 120 Super at 385 ml/ha to control Green Foxtail only; 770 mL/ha for Wild Oats, Green Foxtail, Yellow Foxtail and Barnyard Grass.

Signal TM	Spring &	1.75 L	Annual	Partially fill tank with	For use only in the
	durum	Estaprop Plus	grasses as	water, then add	Prairie Provinces
	wheat	+	on the	Estaprop Plus. Agitate,	and Peace River
		230 - 290mL	Signal	add Signal Herbicide.	Regions of BC.
		Signal	Herbicide	Agitate, add Signal	
		Herbicide	label	Adjuvant.	
		+		Maintain agitation and	
		800 mL – 1 L		complete filling.	
		Signal			
		Adjuvant			

TANKMIXTURES FOR BROADLEAF WEED CONTROL

Herbicide Tank-Mix Partner	Crops	Rate (L/ha)	Additional Weeds	Mixing Order
Refine	Spring,	1.75 L Estaprop Plus	Annual	Partially fill tank with water,
Extra	durum &	+	broadleaves as	then add Refine Extra 75DF
75DF OR	winter	20 g Refine Extra	on the	OR Refine SG product.
Refine SG	wheat,	75DF	respective	Agitate, add Estaprop Plus.
	barley	OR	Refine Extra	Agitate, add surfactant.
		30 g Refine SG	75DF OR	Maintain agitation and
		+	Refine SG	complete filling**
		2 L / 1000 L spray	labels	
		solution of surfactant*		

^{*}See the Refine Extra 75DF OR Refine SG label for specific surfactant.

INDUSTRIAL AND NON-CROP USES:

GENERAL BROADLEAF WEED CONTROL:

Most perennial weeds are best controlled by spraying the foliage during the month of May or in early fall. Some species may require a second treatment. Spray weed infested areas with an even spray pattern, making sure weeds shielded by high grass are thoroughly wetted. Spray tall weeds to runoff. Apply 200 to 600 L/ha of spray mixture, the higher volume will assure better coverage, particularly where high grass cover is present. For Poison Ivy control see BRUSH CONTROL.

ESTAPROP Plus Liquid Herbicide mixes with oil or kerosene and emulsifies in water. To reduce potential drift hazard in non-crop locations, a drift control agent may be added. Follow all directions on the drift control agent label for the correct mixing sequence.

If this material is to be used in straight oil mixture, do not let water get into it or the finished mixture. This material forms an emulsion in water - not a solution. This tends to separate on standing. Provide agitation to prevent such separation and ensure a uniform spray mixture.

NON-CROPLAND (ROADSIDES, UTILITY LINES, RAILWAY RIGHTS-OF-WAY)

^{**} See the Refine Extra 75DF OR Refine SG label for specific mixing instructions.

Apply 4 L/ha ESTAPROP Plus Liquid Herbicide. Some weeds may need a second treatment. If roadsides are cut for hay, the pre-harvest intervals must be observed. Do not apply by air to roadsides.

Do not apply more than two treatments per year.

When using hand-held equipment, do not expose to more than 9.5 L of Estaprop Plus Liquid Herbicide/day/person.

WEEDS CONTROLLED WITH 4.0 LITRES PER HECTARE:

Alfalfa Goat's-Beard Teasel
Bull Thistle Goldenrod Toadflax
Burdock Hawkweed Vetch
Buttercup Horsetail (partial control) Wild carrot
Canada Thistle Milkweed (topkill) Yellow rocket

Chicory Mullein

Cinquefoil Perennial Sow thistle

Curled dock Plantain
Dandelion Sweet clover
Dogbane Tansy

Also see list of weeds controlled with 1.75 L/ha

BRUSH CONTROL:

For best results apply on the foliage and stems just prior to or just after brush is in full leaf in the late spring or early summer. Many species may require re-treatment the following year. Thoroughly wet down all foliage and stems to ground level. Apply 750 to 1357 L of spray mixture per hectare depending on brush density and height.

Use 8.75 L of ESTAPROP Plus Liquid Herbicide per 1000 L of water to control: Do not make more than 2 applications per year.

BuckbrushScotch PineWild CherryHawthornSugar MapleWild PlumPoplarWhite CedarWild Raspberry

Use 11.7 L of ESTAPROP Plus Liquid Herbicide per 1000 L of water to control: Do not make more than 2 applications per year.

Alder Ground juniper Rose (some regrowth) Hardhack Silver maple Aspen Basswood Hazel Sugar maple Balsam Fir Sumac Hickory Birch Honeysuckle Tamarack Bur oak Manitoba maple White oak Blueberry Poison ivy Wild apple Elderberry Raspberry Willow

Elm Red Pine

1. FOLIAGE METHOD:

This is the standard method for high volume sprays along fencerows, highways, rail-roads. Use it as a first spray on thick brush composed of mixed species. Apply spray to both foliage and stems of all plants from the time foliage is fully developed in spring until plants begin to go dormant. For effective control, all leaves, stems and suckers must be thoroughly wet to ground line. Some regrowth may be expected on resistant species such as ash, oak and maple. Mix thoroughly before spraying. Apply with power equipment. Cover all foliage and stems to the point of runoff. Brush and trees over 3 metres should be cut close to the ground and sprayed when the regrowth is over 0.6 metres tall.

To control mixed deciduous and coniferous specifies such as aspen, alder, cherry, balsam, poplar, basswood, birch, elm, bur oak, spruce, pine, fir, tamarack, and white cedar, apply a mixture of 8.2 litres ESTAPROP Plus Liquid Herbicide plus 6.25 litres Vanquish Herbicide (480 g/L) per 1000 litres of water when leaves of deciduous species are fully expanded.

When using hand-held equipment, do not expose to more than 17 L of Estaprop Plus Liquid Herbicide/day/person without a respirator and 28 L/day/person with a respirator.

2. BASAL TREATMENT:

Controls hard-to-kill woody plants. The solution can be applied to the basal part of standing brush during any time of the year. This treatment is not effective for Basswood and Ash. Apply thoroughly to cause runoff on all sides of stems from ground line to 1 metre high. Apply with the basal bath method on scattered brush or as a second spray on species resistant to a first foliage spray. Apply with low volume knapsack sprayer or power equipment. Concentration will depend on species present, volume of spray used and season applied.

When using hand-held equipment, do not expose to more than 9.6 L of Estaprop Plus Liquid Herbicide/day/person.

Rates:

Susceptible and intermediate species: Mix 2.3 L in 100 L of diesel or fuel oil.

Hard-to-kill species: Mix 3.2 L in 100 L of diesel or fuel oil.

3. MODIFIED BASAL TREATMENT:

Drench the base of plants, then wet remaining stems and leaves to run-off, spraying 4/5 of the plants from bottom up. Treat when brush is in full foliage. This method may be used where susceptible species have been controlled by prior sprays and resistant species, such as maple, oak and ash remain. Drenching the base of the plant and wetting all stems to run-off is essential for complete control.

When using hand-held equipment, do not expose to more than 9.6 L of Estaprop Plus Liquid Herbicide/day/person.

Rates:

Early season spraying: Add 8 - 12 L of ESTAPROP Plus Liquid Herbicide to 100 L of diesel or fuel oil and mix thoroughly. Add this mixture to 890 L of water.

During dry weather, or the latter part of spray season: Add 12 L ESTAPROP to 150 L of diesel or fuel oil and mix thoroughly. Add this mixture to 840 L of water.

Stir thoroughly before spraying, particularly if material is allowed to stand for more than one hour after mixing.

4. CUT SURFACE METHOD:

a. Stump Treatment

To prevent regrowth treat stumps immediately after cutting by spraying or painting stumps, exposed roots and cut surface. Thorough drenching is essential.

b. Frill Treatment:

This method is recommended for resistant standing trees of more than 13 to 15 cm in diameter. Make a frill by using an axe to cut overlapping notches in a continuous ring around the trunk near its base. Cut frills with axe (downward) close together around trunk without removing bark. Spray or paint exposed wood until runoff. Pour in as much of this mixture as the frill will hold without wasting chemical. Treat freshly cut frills at anytime of the year.

When using hand-held equipment, do not expose to more than 9.6 L of Estaprop Plus Liquid Herbicide/day/person.

Rates:

Mix 3.25 L in 100 L of diesel or fuel oil.

5. AERIAL APPLICATION METHOD:

For control of aspen, poplar and white birch, mix 8.4 L of ESTAPROP Plus Liquid Herbicide plus 5.2 L of Vanquish Herbicide. This tank-mix may be applied aerially in not less than 85 L of water per hectare. Do not spray when wind velocities are above 8 kph.

Generic Aerial Application Label Instructions 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. No human flaggers are permitted.

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.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

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.

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 and long pants, 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 or obtain technical advice from the distributor or your provincial agricultural representative.

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

BUFFER ZONES TO PROTECT SENSITIVE TERRESTRIAL AND AQUATIC HABITATS:

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the tables 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.

Seasonal water bodies require buffer zones if there is water in them during application.

Water bodies which do not fill on an annual basis need not be buffered.

		Buffer Zones (metres)				
		Required for the protection of:				
				Estuarin		
		Fresh	water	Habitats of		
		Habitat o	Habitat of Depths Depths			
		Less	Greater	Less	Greater	
Method of		than 1	than 1	than 1	than 1	Terrestrial
Application	Crop	m	m	m	m	Habitat
	Field crops (wheat and					
	barley)	1	1	1	1	1
	Grasslands, crop stubble,					
Field	non-cropland (including					
sprayer*	rights-of-way** and brush	1	1	1	1	2

	control)							
	Field crops (wheat and barley)		Fixed wing	10	0	1	0	45
			Rotary wing	10	0	1	0	40
			Fixed wing	70	0	1	0	150**
	Non- cropland		Rotary wing	35	0	1	0	80**
(including rights-of- way** and		Fixed wing	125	1	15	1	225**	
Aerial	brush control)	15.9† L/ha	Rotary wing	50	1	5	1	100**

^{*} For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

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^{**} For application to rights-of-way, buffer zones for protection of sensitive terrestrial habitats are not required.

[†] Do not exceed the application rates given in the DIRECTIONS FOR USE section.

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