

2023-6641  
2024-01-05

{Base Container Label}

GROUP	14	HERBICIDE
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**Chateau® EZ Herbicide**

HERBICIDE  
Suspension Concentrate  
COMMERCIAL

Pre-emergence weed control in labelled crops and to maintain bare ground non-crop areas.

**ACTIVE INGREDIENT:**

Flumioxazin.....479.2 g/L

Contains 1,2-benzisothiazolin-3-one at 0.02% or 0.05% as a preservative OR 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0017% or 0.00113% and 2-methyl-4-isothiazolin-3-one at 0.0006% or 0.00037% as a preservative.

**READ THE LABEL BEFORE USE**

READ ACCOMPANYING BOOKLET BEFORE USING

REGISTRATION NO.: 34036  
PEST CONTROL PRODUCTS ACT

**Net Contents: 0.5-bulk Litres**

Valent Canada, Inc.  
201-230 Hanlon Creek Blvd.  
Guelph, Ontario, Canada  
N1C 0A1 (519)-767-9262  
www.valent.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.

## FIRST AID

- 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 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 the person to fresh air. If the 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 SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have the 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-682-5368***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table on the attached label.

## ENVIRONMENTAL PRECAUTIONS

[OPTIONAL STATEMENT FOR SMALLER CONTAINER SIZE] [TOXIC to aquatic organisms, non-target terrestrial plants, small wild mammals and certain beneficial

arthropods. Observe spray buffer zones specified under DIRECTIONS FOR USE. See booklet for full user precautions and restrictions.]

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

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.

## **DISPOSAL**

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 container unsuitable for further use.

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

For information on 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.

## **STORAGE**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. Store this product away from food or feed.

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## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.** Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table below:

Equipment	Personal Protective Equipment	
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	Mixer/Loader/ Clean-up and Repair	Applicator	Maximum amount of product handled per day
Groundboom	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Open cab: Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	48 L
	Chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Closed Cab: Long-sleeved shirt, long pants, socks and shoes. Gloves are not required	125 L
Right-of-Way-sprayer	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	8 L
Mechanically-pressurized handgun	Chemical-resistant coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear. A respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, is also required.		2.7 L
Backpack	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.		Not applicable
Manually-pressurized handwand	Long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.		Not applicable

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

In non-crop areas, **DO NOT** enter or allow entry into treated areas until the sprays have dried.

For crop uses, **DO NOT** enter or allow worker entry into treated areas during the intervals specified in the following table:

Crop	Postapplication Activity	REI
Coniferous trees	Hand-set irrigation	6 days
	All other activities	12 hours
Established alfalfa grown for forage and hay	Hand-set irrigation	7 days
	Scouting	3 days
	All other activities	12 hours
Dry bulb onions and shallots	Hand weeding	9 days
	All other activities	12 hours
All other registered crops	All other activities	12 hours

Do not graze treated fields or feed treated forage or hay to livestock.

Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.

Do not apply within 100 metres of non-dormant pears.

Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.

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., contact Valent Canada, Inc.

Read and understand the entire label before opening this product. If you have any questions, call the manufacturer at 1-800-682-5368 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

#### **ENVIRONMENTAL PRECAUTIONS**

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

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.

#### **DISPOSAL**

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

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.

## **STORAGE**

Do not contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Not for use or storage in or around the home. Store this product away from food or feed.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management Chateau EZ Herbicide contains a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to Chateau EZ Herbicide and other Group 14 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 Chateau EZ Herbicide or other Group 14 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in the 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), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological biological (weed-competitive crops or varieties) and other chemical control practices.
- Monitor treated weed populations for 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 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 advisor for any additional pesticide resistance-management and/or or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information and to report suspected resistance, contact Valent Canada, Inc. at 1-800-682-5368 or at [www.valent.ca](http://www.valent.ca).

## GENERAL INFORMATION

Chateau EZ Herbicide provides residual control of susceptible weeds in labelled crops when used in accordance with this label. Chateau EZ Herbicide is effective as a preemergence herbicide, for control of selected grass and broadleaf weeds. Chateau EZ Herbicide controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled preemergence when exposed to sunlight following contact with the soil applied herbicide. Preemergence weed control with Chateau EZ Herbicide is most effective when applied to clean, weed-free soil surfaces. Disturbing soil surfaces may reduce herbicide efficacy.

Chateau EZ Herbicide offers residual control of susceptible grass and broadleaf weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on the application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

### Rotational Restrictions

The following rotational crops may be planted after applying Chateau EZ Herbicide at the listed rate. Planting earlier than the recommended rotational interval may result in crop injury.

Chateau EZ Herbicide Rate	Crop	Rotational Interval
112-149 mL/ha (for harvest aid use on Dried Shelled Pea and Bean (except soybean))	Winter wheat	7 days
149 mL/ha	Soybean, field corn, chickpea, field pea	Immediately
	Spring and Winter Wheat, Lentils [small red and large green varieties]	7 days
	Durum Wheat, sunflower	30 days
	Sorghum, dry common beans <sup>1</sup> , and Canola	9 months
	Alfalfa and barley	11 months
	All other crops not listed <sup>2</sup>	12 months
224 mL/ha	Soybean, field corn, chickpea, field pea	Immediately
	Spring and Winter Wheat	7 days
	Sunflower	2 months
	Lentils [small red and large green varieties]	6 months

	Sorghum, dry common beans <sup>1</sup>	9 months
	Alfalfa, barley, and canola	11 months
	All other crops not listed <sup>2</sup>	12 months

<sup>1</sup> Common bean varieties vary in their tolerance to herbicides, including to Chateau EZ Herbicide. Since not all common bean varieties grown as rotational crops have been tested for tolerance to Chateau EZ Herbicide, first seeding common bean varieties to the field previously treated with Chateau EZ Herbicide should be limited to a small area to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of common bean as a rotational crop seeded to field treated with Chateau EZ Herbicide.

<sup>2</sup> Successful soil bioassay must be performed prior to planting crops not listed.

After periods of extended drought, when there is a lack of adequate soil moisture, longer rotational intervals may be needed. A successful soil bioassay should be performed prior to planting potential rotational crops to confirm safety.

## GENERAL DIRECTIONS FOR USE

As this pesticide 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 supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## SPRAYER AND APPLICATION INFORMATION

Shake Chateau EZ Herbicide well before use.

Apply using ground application equipment only. Before applying Chateau EZ Herbicide, start with clean, well maintained application equipment. Nozzles should be uniformly spaced on boom and frequently checked for accuracy. For broadcast application, apply Chateau EZ Herbicide with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume. When banding, use proportionately less water and Chateau EZ Herbicide per hectare.

Equipment with Chateau EZ Herbicide residues remaining in the system may result in crop injury to the subsequently treated crop. Spray equipment used to apply Chateau EZ Herbicide should not be used to apply other materials to any plant foliage. Spray equipment must be cleaned each day following Chateau EZ Herbicide application. After Chateau EZ Herbicide is applied, the following steps must be used to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
2. Top off tank, add 4 L of 3% household ammonia for every 400 L of water, circulate through sprayer for 5 minutes, and then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes.
3. Drain tank completely.
4. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for 3 minutes.

5. Remove all nozzles and screens and rinse them with clean water.
6. Do not contaminate water, food or feed by cleaning of equipment.

### MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water. Engage gentle agitation.
2. While agitating, slowly add Chateau EZ Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing Chateau EZ Herbicide with other labelled herbicides follow the WAMLEGS [Wettable powders/ flowable, Agitate Anti-flowing compounds/buffers, Microcapsule suspension, Liquid and soluble, Emulsifiable concentrates, High load Glyphosates, Surfactants] mixing order system:
  - Add water soluble bags first
  - Followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
  - Prepare no more spray mixture than is required for the immediate spray operation.
4. Add adjuvants or surfactants, if recommended.
5. Fill spray tank to desired level with water. **Agitation should continue until spray solution has been applied.**
6. Mix only the amount of spray solution that can be applied the day of mixing. Chateau EZ Herbicide should be applied within 6 hours of mixing.

### CARRIER VOLUME AND SPRAY PRESSURE

Preemergence Application: To ensure uniform coverage, use between 100 to 300 L of spray solution per hectare for preemergence applications. Use higher water volumes if significant crop residue is present. Nozzle selection should meet manufacturer's volume and pressure recommendations for preemergence herbicide application.

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Use 50 mesh filter screens or larger (metal or nylon). A spray pressure of 210 - 275 kPa is recommended for flat fan nozzles.

Use caution when applying under circumstances where possible drift to unprotected persons or food, forage or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much pressure.

Make application when the wind velocity favours on-target product deposition.

Do not make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.

All ground application equipment must be properly maintained and calibrated using appropriate carriers.

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

**DO NOT** apply by air.

**SPRAY BUFFER ZONES:**

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with orchard crop, fruit or foliage.

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 above 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.

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat
		Less than 1m	Greater than 1m	Less than 1m	Greater than 1m	
Field sprayer	Potato, sweet potato	2	1	0	0	5
	Dry bulb onion, dry bulb shallot	2	1	0	0	10
	Strawberry, celery, field pepper, broccoli, hops	3	1	1	0	10
	Mint	4	2	1	0	15
	Asparagus, garlic	5	2	1	1	20

	Bare ground, non-crop uses, pome fruit, grapes, blueberries (high and low bush), stone fruit, nut trees, caneberries	5	2	1	1	25*
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\*Spray buffer zones for the protection of terrestrial habitats are not required for use on rights-of-way including railroad ballast, rail and hydro rights-of-way, and utility easements.

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.**

Chateau EZ Herbicide offers residual control of susceptible broadleaf and grass weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on the application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

Crop injury may occur from applications made to poorly drained soil and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate Chateau EZ Herbicide in soil for residual weed control. Dry weather following applications of Chateau EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, Chateau EZ Herbicide will control susceptible germinating weeds. Chateau EZ Herbicide may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water.

Do not perform any tillage operations after application or weed control will be reduced. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

#### TANK MIXING

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 Valent Canada Inc. at [www.valent.ca](http://www.valent.ca) (519-767-9262) for information before applying any tank mix that is not specifically recommended on this label.

### Tank Mix Restrictions

Do not tank mix Chateau EZ Herbicide, or use in the same field, with flufenacet, metolachlor or s-metolachlor, dimethenamid or dimethenamid-p, alachlor, or acetochlor, as crop injury may occur.

**TABLE 1. WEEDS CONTROLLED**

Application Rate (mL/ha)	Weed Claims
112	<p><i>Suppression only:</i></p> <p>Redroot pigweed (<i>Amaranthus retroflexus</i>)</p> <p>Green pigweed (<i>Amaranthus powellii</i>)</p> <p>Common ragweed (<i>Ambrosia artemisiifolia</i>)</p> <p>Common lamb's-quarters (<i>Chenopodium album</i>)</p> <p>Hairy nightshade (<i>Solanum sarachoides</i>)</p> <p>Eastern black nightshade (<i>Solanum ptycanthum</i>)</p> <p>Kochia (<i>Kochia scoparia</i>)</p> <p>Canada fleabane (<i>Conyza canadensis</i>)</p>
149*-224	<p>Redroot pigweed (<i>Amaranthus retroflexus</i>)</p> <p>Green pigweed (<i>Amaranthus powellii</i>)</p> <p>Common ragweed (<i>Ambrosia artemisiifolia</i>)</p> <p>Common lamb's-quarters (<i>Chenopodium album</i>)</p> <p>Hairy nightshade (<i>Solanum sarachoides</i>)</p> <p>Dandelion (<i>Taraxacum officinale</i>)</p> <p>Eastern black nightshade (<i>Solanum ptycanthum</i>)</p> <p>Kochia (<i>Kochia scoparia</i>) including Group 2, 4, and 9 resistant kochia</p> <p>Canada fleabane (<i>Conyza canadensis</i>)</p> <p>Common chickweed (<i>Stellaria media</i>)</p> <p>Common waterhemp (<i>Amaranthus rudis</i>), including biotypes resistant to herbicide groups 2, 5 and 9</p> <p>Palmer amaranth (<i>Amaranthus palmeri</i>)</p> <p>Annual sowthistle (<i>Sonchus oleraceus</i>)</p> <p><i>Suppression only:</i></p> <p>Green foxtail (<i>Setaria viridis</i>)</p> <p>Volunteer canola (<i>Brassica napus</i>) including glyphosate, glufosinate and imidazolinone tolerant varieties</p> <p>Cleavers (<i>Galium aparine</i>)</p> <p>Russian thistle (<i>Salsola spp.</i>)</p> <p>Wild Buckwheat (<i>Polygonum convolvulus</i>)</p>

298-448	<p>Redroot pigweed (<i>Amaranthus retroflexus</i>)  Green pigweed (<i>Amaranthus powellii</i>)  Common ragweed (<i>Ambrosia artemisiifolia</i>)  Common lamb's-quarters (<i>Chenopodium album</i>)  Green foxtail (<i>Setaria viridis</i>)  Hairy nightshade (<i>Solanum sarachoides</i>)  Dandelion (<i>Taraxacum officinale</i>)  Eastern black nightshade (<i>Solanum ptycanthum</i>)  Kochia (<i>Kochia scoparia</i>) including Group 2, 4, and 9 resistant kochia  Canada fleabane (<i>Conyza canadensis</i>)  Common chickweed (<i>Stellaria media</i>)  Volunteer canola (<i>Brassica napus</i>) including glyphosate, glufosinate and imidazolinone tolerant varieties  Common waterhemp (<i>Amaranthus rudis</i>), including biotypes resistant to herbicide groups 2, 5 and 9  Palmer amaranth (<i>Amaranthus palmeri</i>)  Annual sowthistle (<i>Sonchus oleraceus</i>)</p> <p><i>Suppression only:</i>  Moss  Liverwort  Cleavers (<i>Galium aparine</i>)  Russian thistle (<i>Salsola spp.</i>)  Wild buckwheat (<i>Polygonum convolvulus</i>)</p>
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\* The rate of 149 mL/ha only provides suppression of the listed weeds in dry bulb onions, dry bulb shallots and celery grown in muck soils and medium-textured mineral soils with <5% OM

# DIRECTIONS FOR USE IN BARE GROUND NON-CROP AREAS

Chateau EZ Herbicide, when used as directed, can be used on farms for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free.

- **DO NOT** apply by air. Apply using ground application equipment only.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Apply only once per growing season

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Preemergence:

Medium- and fine-textured, with <5% organic matter	448	Apply prior to weed emergence, in sufficient water for uniform coverage.  Postemergence: When weeds are already emerged, apply Chateau EZ Herbicide as a tank mix with a glyphosate, product present as isopropyl amine or potassium salt, at 1.2 kg a.e./ha
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<sup>1</sup>: Do not apply on soils with > 5% OM.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Valent Canada, Inc. under the User Requested Minor Use Label Expansion program. For these uses, Valent Canada, Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

#### **DIRECTIONS FOR USE IN DRY BULB ONION AND DRY BULB SHALLOT**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils. Gently irrigate after application to ensure the treated soil is not blown onto the leaf surface or onto an adjacent crop. Treated soil that is splashed or wind blown onto newly emerged crops may result in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Avoid spray overlap as severe crop injury may occur.
- Do not apply by air.
- Apply Chateau EZ Herbicide with ground equipment using standard commercial sprayers equipped with flat fan or flood nozzles (pre-emergence applications only) designed to deliver the desired spray pressure and spray volume to ensure thorough coverage.
- Do not apply this product through any type of irrigation system.
- Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide.
- Apply only once per growing season.
- Do not apply on soils that contain greater than 90% sand plus gravel.
- Do not apply in tank mix, except with Prowl H2O Herbicide, or with an adjuvant, or significant injury may result. Do not tank mix with other formulations of pendimethalin.
- Apply to transplanted onions and dry bulb shallots between the 2-leaf and 6-leaf stage and on direct seed onions and dry bulb shallots between the 3-leaf and 6-leaf stage prior to emergence of weeds.
- Do NOT harvest shallot leaves for food consumption.
- Use appropriate water volumes to ensure good spray coverage.
- Do not apply within 45 days of harvest.
- This product will not control emerged weeds.

#### **DRY BULB ONION AND DRY BULB SHALLOT – Application Rate**



Soil Type	RATE <sup>1</sup> (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter and muck soils	149	Apply prior to weed emergence.

<sup>1</sup> The duration of residual control may be reduced with 149 mL/ha in fine-textured soils <5% in OM.

#### **DIRECTIONS FOR USE IN GARLIC**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Residual weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Avoid spray overlap as severe crop injury may occur.
- Do not apply by air.
- Apply Chateau EZ Herbicide with ground equipment using standard commercial sprayers equipped with flat fan or flood nozzles (pre-emergence applications only) designed to deliver the desired spray pressure and spray volume to ensure thorough coverage.
- Do not apply this product through any type of irrigation system.
- Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide.
- Apply only once per growing season.
- Use appropriate water volumes to ensure good spray coverage.
- This product will not control emerged weeds.
- Apply prior to emergence of garlic, and within 3 days after planting garlic.

#### **GARLIC - Application Rates**

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	Apply prior to emergence of garlic, and within 3 days after planting garlic.

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### **DIRECTIONS FOR USE IN POTATO – Western Canada only**

**Use of Chateau EZ Herbicide is limited to Manitoba, Saskatchewan, Alberta, and British Columbia. Do not use on potato in other provinces.**

Significant crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate Chateau EZ Herbicide in soil for residual weed control. Dry weather following applications of Chateau EZ Herbicide may reduce effectiveness. **Chateau EZ Herbicide must be activated before crop emergence (cracking) or serious crop injury could occur. Irrigation with at least ½ to 1 cm of water is recommended before ground crack occurs.**

However, when adequate moisture is received after dry conditions, Chateau EZ Herbicide will control susceptible germinating weeds listed on this label. Chateau EZ Herbicide may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

#### GENERAL INSTRUCTIONS and PRECAUTIONS

- Do not apply more than 112 mL Chateau EZ Herbicide per hectare during a single growing season.
- Do not apply after cracking. This will result in severe injury.
- Do not apply this product through any type of irrigation system.
- Use appropriate water volumes to ensure good spray coverage.
- Mechanical incorporation into the soil or disturbance of the soil surface will reduce weed control.
- Chateau EZ Herbicide may be applied to potatoes after hilling for the preemergence suppression of labelled weeds. A minimum of 5 cm of soil must cover the vegetative portion of the potato plant at the time of Chateau EZ Herbicide application. Application to potatoes with less than 5 cm of soil covering the vegetative portion of the potato may result in unacceptable crop injury.
- Suppression of the weeds that emerge post-hilling will not be achieved if applications are made prior to hilling. Crop injury may occur if Chateau EZ Herbicide is applied at hilling.

POTATO– Application Rates		
Soil Type <sup>1</sup>	RATE <sup>2</sup> (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter	112	Apply prior to weed emergence.

<sup>1</sup>: Do not apply on soils with > 5% OM.

<sup>2</sup>The duration of residual control may be reduced with 112 mL/ha in fine-textured soils <5% in OM.

#### DIRECTIONS FOR USE ON SWEET POTATO

Significant crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate Chateau EZ Herbicide in soil for residual weed control. Dry weather following applications of Chateau EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, Chateau EZ Herbicide will control susceptible germinating weeds listed on this label. Chateau EZ Herbicide may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

- Do not apply more than 112 mL of Chateau EZ Herbicide per hectare during a single growing season.
- Apply to sweet potato field prior to transplanting sweet potatoes. Do not apply after sweet potato slips have been transplanted.
- Do not plant greenhouse grown transplants/slips into Chateau EZ Herbicide-treated fields.
- Do not use on any sweet potato variety other than “Beauregard”, unless user has tested Chateau EZ Herbicide on other variety and has found crop tolerance to be acceptable.

- Do not apply as part of any tank mix, if tank mix is applied before transplanting.
- Use appropriate water volumes to ensure good spray coverage.

SWEET POTATO— Application Rates		
Soil Type <sup>1</sup>	RATE <sup>2</sup> (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter	112	Apply prior to transplanting sweet potatoes, and prior to weed emergence.

<sup>1</sup>: Do not apply on soils with > 5% OM.

<sup>2</sup>The duration of residual control may be reduced with 112 mL/ha in fine-textured soils <5% in OM.

#### **DIRECTIONS FOR USE IN SUCCULENT SHELLLED AND EDIBLE-PODDED PEAS (*Pisum* spp. and pigeon pea)**

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

Do not perform any tillage operations after application or weed control will be reduced.

Apply only once during a single growing season.

#### **APPLICATION TIMING**

Chateau EZ Herbicide provides preemergence control of susceptible weeds in succulent shelled and edible-podded pea. Apply Chateau EZ Herbicide with ground equipment prior to planting. Application after the succulent shelled and edible-podded pea have begun to crack, or are emerged, will result in severe crop injury.

Succulent shelled and edible-podded pea must be planted a minimum of 2.5 cm (1 inch) deep to maximize crop safety. Receiving an activating rainfall or irrigating with at least 1 cm of water prior to seeding will help minimize the potential for crop injury. Apply only to well drained and structured soils that do not have a history of ponding or flooding.

Do not apply other residual herbicides with, before, or after applying Chateau EZ Herbicide in the spring prior to seeding succulent shelled and edible-podded pea, as crop injury may result. Areas of fields with combinations of low organic matter, high pH, and or high sand content may exhibit crop injury symptoms. The use of optimal agronomics to support plant establishment will reduce crop injury potential - high quality seed, seed treatment, and using optimal seeding rates will minimize crop injury potential.

Environmental conditions, such as cold, saturated soils, and abnormally cool wet weather after seeding may increase succulent shelled and edible-podded pea injury following an application of Chateau EZ Herbicide. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Treated soil that is splashed onto newly emerged crops may result in crop injury. User should understand and accept this risk before using this product on succulent shelled and edible-podded pea. Crop injury symptoms are generally transient and may reduce as growing conditions return to normal. Chateau EZ Herbicide is a very active herbicide and the user should exercise caution until gaining familiarity with this product. User should understand and accept this risk before using this product on succulent shelled and edible-podded pea.

**SUCCULENT SHELLLED AND EDIBLE-PODDED PEAS (*Pisum* spp. and pigeon pea)  
– Application Rates**

Soil Type <sup>1</sup>	RATE <sup>2</sup> (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence.

<sup>1</sup>: Do not apply on soils with > 5% OM.

<sup>2</sup>: The duration of residual control may be reduced with 149 mL/ha in fine-textured soils and/or <5% in OM.

**DIRECTIONS FOR USE IN POME FRUIT (APPLE AND PEAR) AND GRAPE**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Residual weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Chateau EZ Herbicide should be tank mixed with glyphosate, present as isopropyl amine or potassium salt, for control of emerged weeds. Refer to the respective tank mix partner label for rates, additional recommendations, restrictions and precautions. Follow the most restrictive label limitations and precautions of the tank mix product(s) being used.
- Only apply to healthy, established trees. Do not apply when plants are under stress from insects, diseases, animals or winter injury, planting shock or any other stresses.
- Chateau EZ Herbicide should be applied as a uniform broadcast application to the orchard floor or as a uniform band directed at the base of the trunk or vine.
- Do not make more than two applications in a growing season.
- Do not make a sequential application within 30 days of the first application.
- Avoid direct or indirect spray contact to foliage and green bark (including non-barked vines; with the exception of undesirable suckers).
- Use an appropriate water volume to ensure thorough spray coverage.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not apply by air. Apply using ground application equipment only.

**APPLICATION TO POME FRUIT (Apple and Pear):**

- Do not apply to apple or pear trees established less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.
- For apples, do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage.
- Do not apply within 60 days of harvest.

- All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring.
- Apply to dormant pears only.

#### APPLICATION TO GRAPE:

- Do not apply to grapes established less than 2 years.
- Do not apply to grapes that are not trellised or staked unless they are free standing.
- Do not apply within 60 days of harvest.
- New plantings of “own-rooted varieties”, such as *Concord*, should be planted so that all roots are a minimum of 20 cm below the soil surface to be treated. In some situations, this may require hilling soil around newly planted vines so that the settled depth of the hill will be 10-12.5 cm above the vineyard floor.

#### Juice, Raisin and Wine Grapes – Application Timing

- Do not apply during the period after budbreak through final harvest, unless using shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage. UNACCEPTABLE CROP INJURY MAY OCCUR IF THIS PRODUCT COMES INTO CONTACT WITH NON-DORMANT STRUCTURES. Shielded applications during this time period should not be made with glyphosate, or products containing glyphosate.

#### Table Grapes – Application Timing

- Chateau EZ Herbicide may be applied during the period following final harvest in the fall.
- Do not apply after budbreak in the spring.

POME FRUIT (APPLE AND PEAR) AND GRAPE - Application Rates		
Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Preemergence: Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	Postemergence: When weeds are already emerged, apply Chateau EZ Herbicide as a tank mix with a glyphosate product, present as isopropyl amine or potassium salt, at 1.2 kg a.e./ha

<sup>1</sup>: Do not apply on soils with > 5% OM.

**DIRECTIONS FOR USE IN NUT TREES (INCLUDING ALMOND, BEECH NUT, BUR OAK, BUTTERNUT, CASHEW, CHESTNUT, CHINQUAPIN, FILBERT [HAZELNUT], GINKO, HEART NUT, HICKORY NUT, JAPANESE HORSE-CHESTNUT, MONKEY PUZZLE, PECAN, PINE NUTS, WALNUT [BLACK AND ENGLISH], YELLOWHORN, CULTIVARS AND VARIETIES AND/OR HYBRIDS OF THESE)**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation

into the soil or if emerged weeds are controlled by cultivation.

- Chateau EZ Herbicide should be applied as a uniform broadcast application to the orchard floor or as a uniform band directed under the tree canopy to the base of the trunk.
- Do not apply to trees established less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed containers.
- Avoid direct or indirect spray contact to foliage and green bark.
- Apply after bud break through final harvest using shielded application equipment if the applicator can ensure the spray drift will not come into contact with non-target vegetation, crop fruit and/or foliage.
- Do not make more than two applications in a growing season.
- Do not make a sequential application within 30 days of the first application.
- Do not apply within 60 days of harvest.
- Use an appropriate water volume to ensure thorough spray coverage.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not apply by air. Apply using ground application equipment only.

**NUT TREES (INCLUDING ALMOND, BEECH NUT, BUR OAK, BUTTERNUT, CASHEW, CHESTNUT, CHINQUAPIN, FILBERT [HAZELNUT], GINKO, HEART NUT, HICKORY NUT, JAPANESE HORSE-CHESTNUT, MONKEY PUZZLE, PECAN, PINE NUTS, WALNUT [BLACK AND ENGLISH], YELLOWHORN, CULTIVARS AND VARIETIES AND/OR HYBRIDS OF THESE) - Application Rates**

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	

<sup>1</sup>: Do not apply on soils with > 5% OM.

**DIRECTIONS FOR USE IN STRAWBERRY**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not make more than one application per growing season.
- Use an appropriate water volume to ensure thorough spray coverage.
- Do not apply this product through any type of irrigation system.
- Do not allow spray drift to come in contact with fruit or foliage.
- Application after fruit set may result in spotting of fruit and should be avoided. Do not apply after fruit set.

- Unacceptable crop injury, including yield loss, may occur if this product comes into contact with non-dormant structures.

#### STRAWBERRY – Application Rate

Soil Type <sup>1</sup>	Rates (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter	224	Apply prior to weed emergence.  Broadcast applications may be made to dormant strawberries.  For non-dormant strawberries, applications must be made to row middles only, using a hooded or shielded sprayer.

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### DIRECTIONS FOR USE IN HOPS

Chateau EZ Herbicide can be used in hops for preemergence weed control as well as for sucker control.

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ cm of water. Residual weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not apply more than 448 mL/ha in a single application. Do not apply more than 448 mL/ha per season.
- Do not allow spray to contact green stem (unless used for sucker control), foliage, flowers, or cones, or unacceptable injury may occur.
- Do not apply within 30 days of harvest.
- Do not use with an adjuvant.
- Use an appropriate water volume to ensure thorough coverage.
- Do not apply by air. Apply using ground application equipment only.

#### TIMING TO HOPS FOR SUCKER CONTROL

Apply Chateau EZ Herbicide as a directed application after hops have reached a minimum of 1.8m (6 ft) in height for sucker control. Application should be directed to the lower 0.6m (2 ft) of the hops.

#### TIMING TO HOPS FOR PREEMERGENCE WEED CONTROL

Apply Chateau EZ Herbicide as a 30-45 cm (1-1.5 ft) band to each side of the hop row. Apply to dormant hops in the fall to ensure time for rain incorporation and activation. If weeds are emerged at the time of application, tank mix Chateau EZ Herbicide with a labeled burndown herbicide, such as carfentrazone-ethyl, to assist with control of emerged weeds. Do not mow or rake over treated areas, as dust created by mowing may drift to sensitive crops or vegetation, resulting in injury.

### HOPS - Application Rates

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Fall Application: Apply prior to weed emergence.
Medium-and fine-textured, with <5% organic matter	448	Postemergence: When weeds are already emerged, apply Chateau EZ Herbicide as a tank mix with carfentrazone-ethyl Apply only to dormant hops.

<sup>1</sup>: Do not apply on soils with > 5% OM.

### DIRECTIONS FOR USE IN MINT (PEPPERMINT AND SPEARMINT)

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury may result when soils are flooded following applications of Chateau EZ Herbicide. Risk of crop injury can be minimized by using on well-drained soils. Gently irrigate after application to ensure the treated soil is not blown onto the leaf surface or onto an adjacent crop. Treated soil that is splashed or wind blown onto newly emerged crops may result in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not apply by air.
- Do not apply this product through any type of irrigation system.
- Use appropriate water volumes to ensure good spray coverage.
- For preemergence weed control. This product will not control emerged weeds.
- Apply only once per season.
- Apply Chateau EZ Herbicide at 298 mL/ha in the spring, prior to weed emergence.
- Apply only as a spring application to dormant mint prior to the emergence of new growth. Application to non-dormant mint may result in unacceptable crop injury.
- Do not apply within 80 days of harvest.
- Do not apply to row or baby mint, use only on established mint.
- Do not apply to mint that has been weakened by diseases, insects, nematodes, drought, soil salts, high soil pH, previous pesticides, winter injury or double cutting, as severe injury may occur. Apply only to healthy vigorous mint with undamaged rhizomes.
- Apply in the spring prior to emergence of new growth.
- Do not apply to stands established longer than 3 years.

**Many weather related factors, including high wind, splashing or heavy rains or cool conditions at or near mint emergence, may result in mint injury in fields treated with Chateau EZ Herbicide. User should assume these risks before using Chateau EZ Herbicide.**

### MINT – Application Rate



Soil Type	RATE (mL/ha)	COMMENTS
Coarse textured, with <5% organic matter	298	<p>Apply only to established, dormant mint for preemergence control of weeds. Application to non-dormant mint or to baby (row) mint (time from planting of mint roots through the first cutting), may result in unacceptable crop injury.</p> <p>Apply Chateau EZ Herbicide for residual preemergence weed control as a single spring application.</p> <p>Fields plowed or harrowed after a Chateau EZ Herbicide application will result in less effective preemergence activity. In furrow-irrigated fields, corrugating that is done after a Chateau EZ Herbicide application will expose untreated soil and break the herbicide barrier, resulting in poor weed control.</p>

#### DIRECTIONS FOR USE IN LOWBUSH BLUEBERRY

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- All applications should be made to dormant lowbush blueberries. Unacceptable crop injury, including yield loss, may occur if this product comes into contact with non-dormant structures.
- Do not make more than two applications in a growing season. Do not make a sequential application within 30 days of the first application. Apply Chateau EZ Herbicide to dormant plants in the sprout year (spring and/or fall) or as a dormant post-harvest (fall).
- Apply in adequate water volume to ensure thorough coverage.
- Do not apply by air. Apply using ground application equipment only.

#### LOWBUSH BLUEBERRY - Application Rates

Soil Type <sup>1</sup>	RATE <sup>2</sup> (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	149 - 298	Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	224 - 448	

<sup>1</sup>: Do not apply on soils with > 5% OM.

2: Use higher rates for suppression of moss.

#### **DIRECTIONS FOR USE IN CROP SUBGROUP 13-07A: CANEBERRY**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Residual weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Chateau EZ Herbicide should be applied as a uniform broadcast application to the orchard floor or as a uniform band directed at the base of the canes.
- Do not make more than two applications in a growing season.
- Do not make a sequential application within 30 days of the first application.
- Do not apply within 7 days of harvest.
- Avoid direct or indirect spray contact to foliage and green canes.
- The preferred application timing for Chateau EZ Herbicide is in the fall to maximize the potential for rainfall to activate and set the herbicide.
- Do not apply over the top of crop or allow spray to come in contact with crop as a result of application or drift.
- Use an appropriate water volume to ensure thorough spray coverage.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not apply by air. Apply using ground application equipment only.
- Members of Crop Subgroup 13-07A: Caneberry may vary in their tolerance to herbicides, including Chateau EZ Herbicide. Since not all caneberry cultivars, varieties and/or hybrids have been tested for tolerance to Chateau EZ Herbicide, first use should be limited to a small area of each cultivar, variety and/or hybrid to confirm tolerance prior to adoption as a general field practice.

#### **CROP SUBGROUP 13-07A: CANEBERRY (including Blackberry, Loganberry, and Raspberry, black and red, Wild raspberry, Cultivars, varieties and/or hybrids of these) - Application Rates**

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse, medium, and fine-textured, with <5% organic matter	448	Preemergence: Apply prior to weed emergence.

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### **DIRECTIONS FOR USE IN CELERY**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils. Gently irrigate after application to

ensure the treated soil is not blown onto the leaf surface or onto an adjacent crop. Treated soil that is splashed or wind blown onto newly emerged crops may result in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not apply by air.
- Do not apply this product through any type of irrigation system.
- Use appropriate water volumes to ensure good spray coverage.
- For preemergence weed control. This product will not control emerged weeds.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single application.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single growing season.
- Plants should be grown on raised or plastic mulched beds that are at least **10 cm higher** than the treated row middle and the mulched bed must have **a minimum of a 60 cm bed width**.
- Spray must remain between raised beds and contact no more than the bottom 2.5 cm of the side of the raised bed.
- Spray must be directed to the row middle, away from the crop bed and with minimal contact with plastic, including the sides of the bed. If top of mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic. In this scenario, a rainfall event of 2.5 cm (natural or irrigation) must occur prior to transplanting to reduce Chateau EZ Herbicide residues.
- Irrigate treated field after application and prior to transplanting with minimum of ½ cm of water if rainfall does not occur between application and transplanting.
- All applications must be made with hooded or shielded equipment.
- Do not apply after crops are transplanted.
- Do not apply as part of a tank mix.

#### CELERY - Application Rates and Weed Claims

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter and muck soils	149	Apply Chateau EZ Herbicide as a hooded or shielded application to row middles prior to transplanting for preemergence control of the weeds.
Medium- and fine-textured, with <5% organic matter	224	
		Rainfall or irrigation must occur between application and transplanting in order to activate the product.

#### DIRECTIONS FOR USE IN BROCCOLI (TRANSPLANTED)

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils. Gently irrigate after application to ensure the treated soil is not blown onto the leaf surface or onto an adjacent crop. Treated soil that is splashed or wind blown onto newly emerged crops may results in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved

by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Apply Chateau EZ Herbicide as a hooded or shielded application to row middles prior to transplanting for preemergence control of the weeds. Rainfall or irrigation must occur between application and transplanting in order to activate the product. All applications must be made with hooded or shielded equipment.
- Do not apply this product through any type of irrigation system.
- Use appropriate water volumes to ensure good spray coverage.
- For preemergence weed control. This product will not control emerged weeds.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single application.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single growing season.
- Plants should be grown on raised or plastic mulched beds that are at least **10 cm higher** than the treated row middle and the mulched bed must have **a minimum of a 60 cm bed width**.
- Spray must remain between raised beds and contact no more than the bottom 2.5 cm of the side of the raised bed.
- Spray must be directed to the row middle, away from the crop bed and with minimal contact with plastic, including the sides of the bed. If top of mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic. In this scenario, a rainfall event of 2.5 cm (natural or irrigation) must occur prior to transplanting to reduce Chateau EZ Herbicide residues.
- Irrigate treated field after application and prior to transplanting with minimum of ½-1 cm of water if rainfall does not occur between application and transplanting.
- Do not apply after crops are transplanted.
- Do not apply by air. Apply using ground application equipment only.

#### BROCCOLI - Application Rates

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-, medium-, and fine-textured, with <5% organic matter	224	Apply Chateau EZ Herbicide as a hooded or shielded application to row middles prior to transplanting for preemergence control of the weeds. Rainfall or irrigation must occur between application and transplanting in order to activate the product.

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### DIRECTIONS FOR USE IN FIELD PEPPER

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils. Gently irrigate after application to ensure the treated soil is not blown onto the leaf surface or onto an adjacent crop. Treated soil that is splashed or wind blown onto newly emerged crops may results in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Apply Chateau EZ Herbicide as a hooded or shielded application to row middles prior to transplanting for preemergence control of the weeds. Rainfall or irrigation must occur between application and transplanting in order to activate the product. All applications must be made with hooded or shielded equipment.
- Do not apply this product through any type of irrigation system.
- Use appropriate water volumes to ensure good spray coverage.
- For preemergence weed control. This product will not control emerged weeds.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single application.
- Do not apply more than 224 mL of Chateau EZ Herbicide per hectare during a single growing season.
- Plants should be grown on raised or plastic mulched beds that are at least **10 cm higher** than the treated row middle and the mulched bed must have **a minimum of a 60 cm bed width**.
- Spray must remain between raised beds and contact no more than the bottom 2.5 cm of the side of the raised bed.
- Spray must be directed to the row middle, away from the crop bed and with minimal contact with plastic, including the sides of the bed. If top of mulch beds (where plants are to be transplanted) is contacted, severe injury can occur due to foliage contact with treated plastic. In this scenario, a rainfall event of 2.5 cm (natural or irrigation) must occur prior to transplanting to reduce Chateau EZ Herbicide residues.
- Irrigate treated field after application and prior to transplanting with minimum of ½ cm of water if rainfall does not occur between application and transplanting.
- Do not apply during or after bloom.
- Do not apply after crops are transplanted.
- Do not apply by air. Apply using ground application equipment only.

#### FIELD PEPPER - Application Rates

Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	149	Apply Chateau EZ Herbicide as a hooded or shielded application to row middles prior to transplanting for preemergence control of the weeds. Rainfall or irrigation must occur between application and transplanting in order to activate the product.
Medium- and fine-textured, with <5% organic matter	224	

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### DIRECTIONS FOR USE IN ASPARAGUS

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Chateau EZ Herbicide. Risk of crop injury can be minimized by using on well-drained soils. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Residual weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Apply only once per growing season.
- Apply prior to weed emergence.
- Apply only to dormant asparagus established for at least one year. Application to non-dormant asparagus may result in unacceptable crop injury.
- Applications should be made no sooner than two weeks prior to emergence of spears and must be sprinkler or rainfall activated with 1-2 cm of water or some scoring may result.
- Do not work soil within 60 days prior to application in the spring. Soil can be worked after spear harvest in preparation for Chateau EZ Herbicide application prior to fern emergence. Treated soil that is splashed onto the ferns may result in spotting
- Use an appropriate water volume to ensure thorough coverage.
- Chateau EZ Herbicide may cause injury if spears emerge before the application has been activated with water. Ensure an irrigation or rain event occurs between application and spear emergence.
- Do not apply by air. Apply using ground application equipment only.

ASPARAGUS - Application Rates		
Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	Apply only to dormant asparagus established for at least one year.

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### DIRECTIONS FOR USE IN Highbush Blueberry

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage.
- Do not apply to highbush blueberries established less than 2 years.
- Do not apply within 7 days of harvest.
- Do not make more than two applications in a growing season. Do not make a sequential application within 30 days of the first application.
- Apply in adequate water volume to ensure thorough coverage.
- Do not apply by air. Apply using ground application equipment only.

Highbush Blueberry - Application Rates		
Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Apply prior to weed emergence.
Medium- and fine-textured, with <5% organic matter	448	

<sup>1</sup>: Do not apply on soils with > 5% OM.

#### **DIRECTIONS FOR USE IN STONE FRUIT (PEACH, CHERRY, NECTARINE, PLUM, APRICOT)**

Crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions. Risk of crop injury can be minimized by using on well-drained soils.

When adequate moisture is not received after a Chateau EZ Herbicide application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

- Do not apply to trees established less than two years, unless protected from spray contact by non-porous wraps, grow tubes or waxed containers.
- Avoid direct or indirect spray contact to foliage and green bark.
- Do not apply during the period after flowering through leaf drop, unless using shielded application equipment and applicator can ensure spray drift will not come in contact with crop foliage.
- Do not make more than two applications in a growing season.
- Do not make a sequential application within 30 days of the first application.
- Do not apply within 60 days of harvest.
- Use an appropriate water volume to ensure thorough spray coverage.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not apply by air. Apply using ground application equipment only.

Stone Fruit (Peach, Cherry, Nectarine, Plum, Apricot) - Application Rates		
Soil Type <sup>1</sup>	RATE (mL/ha)	COMMENTS
Coarse-textured, with <5% organic matter	298	Apply prior to weed emergence.

Medium-and fine-textured, with <5% organic matter	448	
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<sup>1</sup>: Do not apply on soils with > 5% OM.

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