



# Chateau<sup>®</sup> WDG

Chateau<sup>®</sup> WDG herbicide, a PPO inhibitor, works as a barrier on the soil surface to provide season-long, residual control of tough broadleaf and grass weeds.

## BENEFITS

- Long-lasting residual, pre-emergent broadleaf weed control with bonus grass suppression
- Chateau stays where it's sprayed and will not leach or volatilize
- Group 14 herbicide (PPO inhibitor) works differently than many other commonly used herbicides, helping to manage resistance
- The herbicide barrier cannot be disturbed after activation
- Offers flexible application timing

## REGISTERED CROPS

- Asparagus
- Blueberry (highbush and lowbush)
- Celery
- Dry bulb onion
- Field pepper
- Grape
- Established mint (peppermint and spearmint)
- Nut trees
- Pome fruit
- Potato (Western Canada only)
- Stone fruit
- Strawberry
- Sweet potato
- And to maintain bare ground in non-crop areas

## GENERAL USAGE INFORMATION

- Moisture is necessary to activate Chateau in soil for weed control (½ inch of rain or irrigation)
- This product will not control emerged weeds
- Significant crop injury may occur from applications made to poorly drained soils and/or applications made under cool, wet conditions
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation
- Application to non-dormant crops or when soils are flooded after application may result in non-acceptable crop injury, including yield loss
- Use appropriate water volumes to ensure good coverage
- Apply prior to weed emergence
- Undesirable crop injury may occur if Chateau comes in contact with fruit or foliage
- DO NOT tank-mix with Dual II

## TECHNICAL INFORMATION

### HERBICIDE GROUP

- > Group 14

### ACTIVE INGREDIENTS

- > flumioxazin 51.1%

### PACKAGING

- > 4 x 1.13 kg case

### RAINFAST

- > Requires ½ inch of rain or irrigation for activation

### PCP #

- > 29231

## SPECIFIC CROP USAGE INFORMATION

WEEDS CONTROLLED/  
SUPPRESSED      RATE      PHI      APPLICATION INFORMATION

### APPLE, GRAPE, NUT TREES, PEAR

<p>Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed</p>	<p>280 g/ha (113.3 g/ac.) on coarse textured soils with &lt;5% OM  420 g/ha (170 g/ac.) on medium textured soils with &lt;5% OM</p>		<p><b>GENERAL USAGE INFORMATION</b></p> <p>Chateau 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.</p> <p>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.</p> <p>Chateau should be applied as a uniform broadcast application to the orchard floor or as a uniform band directed at the base of the trunk</p> <p>Do not make more than two applications in a growing season</p> <p>Do not make a sequential application within 30 days of the first application</p> <p>Avoid direct or indirect spray contact to foliage and green bark (including non-barked vines; with the exception of undesirable suckers)</p> <p>Do not apply within 100 metres of non-dormant pears</p>
		60	<p><b>APPLICATION TO POME FRUIT (APPLE AND PEAR)</b></p> <p>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</p> <p>For apples, do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure the spray drift will not contact the crop fruit or foliage</p> <p>All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or 2 months before budbreak in the spring</p> <p>Apply to dormant pears only</p>
		60	<p><b>APPLICATION TO GRAPES</b></p> <p>Do not apply to grapes established less than 2 years</p> <p>Do not apply to grapes that are not trellised or staked unless they are free standing</p> <p>New plantings of "own-rooted varieties", such as <i>Concord</i>, 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.</p> <p><b>APPLICATION TO JUICE, RAISIN AND WINE GRAPES</b></p> <p>Do not apply during the period after budbreak through final harvest, unless using shielded application equipment and applicator can ensure the spray drift will not contact the crop fruit or foliage. Shielded applications during this time period should not be made with glyphosate, or products containing glyphosate.</p> <p><b>APPLICATION TO TABLE GRAPES</b></p> <p>Chateau may be applied during the period following final harvest in the fall</p> <p>Do not apply after budbreak in the spring</p>

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<b>ASPARAGUS</b>			
Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	280 g/ha (113.3 g/ac.) 420 g/ha (170 g/ac.)		<p>Apply only to dormant asparagus established for at least one year</p> <p>Applications should be made no sooner than <b>3 weeks</b> prior to emergence of spears and must be sprinkler or rainfall activated with 1-2 cm of water or some scoring may result</p> <p>Application to non-dormant asparagus may result in unacceptable crop injury</p> <p>Do not work soil within 60 days prior to application in the spring</p> <p>Soil can be worked after spear harvest in preparation for Chateau application prior to fern emergence</p> <p>Treated soil that is splashed onto the ferns may result in spotting</p> <p>If using Dual II for added grass control, apply Chateau in the late fall after the ferns have been mowed and apply Dual II in the spring. Applying Chateau in the fall will ensure product activation and reduce risk of crop injury – apply after mowing of ferns and before ground freezes.</p> <p>For fall applications ferns may be mowed to a height of approximately 12-18 inches. This will ensure adequate snow coverage and still allow spray to reach the ground. A spring mowing will not reduce residual control.</p>
<b>BLUEBERRY (highbush)</b>			
Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	280 g/ha (113.3 g/ac.) 420 g/ha (170 g/ac.)	7	<p>Do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure the spray drift will not contact the crop fruit or foliage</p> <p>Do not make more than two applications in a growing season</p> <p>Do not make a sequential application within 30 days of the first application</p> <p>Do not apply to highbush blueberries established less than 2 years</p>
<b>BLUEBERRY (lowbush)</b>			
Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green pigweed Hairy nightshade Kochia Redroot pigweed	140 g/ha (56.7 g/ac.) 210 g/ha (85 g/ac.)		<p>All applications should be made to dormant lowbush blueberries</p> <p>Do not make more than two applications in a growing season</p> <p>Do not make a sequential application within 30 days of the first application</p> <p>Apply Chateau to dormant plants in the sprout year (spring and/or fall) or as a dormant post harvest (fall)</p>
Moss (suppression)	280 g/ha (113.3 g/ac.) 420 g/ha (170 g/ac.)		

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**TRANSPLANTED BROCCOLI**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail (suppression) Green pigweed Hairy nightshade Kochia Redroot pigweed	210 g/ha (85 g/ac.)		Apply Chateau as a hooded or shielded application to the middle of the rows  Do not apply more than 210 g/ha during a single application or 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 with minimal contact with the plastic  If the top of the bed is contacted, severe injury can occur and it is advised that 2.5 cm of rain or irrigation must occur prior to transplanting residues
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**CANEBERRY**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	420 g/ha (170 g/ac.)	7	Do not make more than two applications in a growing season  Apply as a uniform broadcast application to the ground or as a uniform band. Avoid direct or indirect spray contact to foliage and green canes.  Do not apply over the top of the crop  Do not make a sequential application within 30 days of the first application
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**CELERY**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	140 g/ha (56.7 g/ac.)  210 g/ha (85 g/ac.)  Coarse-textured with <5% OM– 140 g/ha  Medium-textured with <5% OM– 210 g/ha		Do not apply more than 210 g of Chateau 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  If the top of the mulch beds are contacted, severe injury can occur due to foliage contact with treated plastic  Use a hooded or shielded boom for application  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
<b>For use in celery in muck soil</b>	140 g/ha (56.7 g/ac.)		Weed control and length of residual may be reduced in muck soils

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**DRY BULB ONION**

Canada fleabane Common lamb's-quarters Common ragweed Eastern black nightshade Green pigweed Hairy nightshade Kochia Redroot pigweed	140 g/ha (56.7 g/ac.) Coarse- and medium- textured mineral soil with <5% OM and muck soils	45	Avoid spray overlap as severe crop injury may occur Apply to transplanted onions between the 2-leaf and 6-leaf stage and on direct seed onions between the 3-leaf and 6-leaf stage prior to the emergence of weeds Do not apply in a tank mix or with an adjuvant (except with Prowl H <sub>2</sub> O herbicide) as significant crop injury may result Do not tank mix with other formulations of pendimethalin Do not apply on soils that contain greater than 90% sand plus gravel
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**FIELD PEPPER**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail (suppression) Green pigweed Hairy nightshade Kochia Redroot pigweed	140 g/ha (56.7 g/ac.) 210 g/ha (85 g/ac.) Coarse- textured with <5% OM– 140 g/ha Medium- textured with <5% OM– 210 g/ha		Do not apply more than 210 g of Chateau per hectare during a single growing season All applications must be made with hooded or shielded equipment Do not apply during or after bloom Spray must remain between raised beds 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 If the top of the mulch beds are contacted, severe injury can occur due to foliage contact with treated plastic Do not apply after crops are transplanted
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**PEPPERMINT, SPEARMINT**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	280 g/ha (113.4 g/ac.) Coarse-textured with <5% OM	80	Do not apply to row or baby mint, use only on established mint Apply as a single spring application to established, dormant mint for pre-emergent weed control In furrow-irrigated fields, corrugating that is done after a Chateau application will expose untreated soil and break the herbicide barrier, resulting in poor weed control Do not apply to stands established longer than 3 years
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**POTATO (Western Canada only)**

Suppression of: Canada fleabane Common lamb's-quarters Common ragweed Eastern black nightshade Green pigweed Hairy nightshade Kochia Redroot pigweed	105 g/ha (42.5 g/ac.) Coarse- and medium- textured with <5% OM		Do not apply more than 105 g Chateau per hectare during a single growing season Mechanical incorporation into the soil or disturbance of the soil surface will reduce weed control Chateau may be applied to potatoes after hilling A minimum of 5 cm of soil must cover the vegetative portion of the potato plant when Chateau is applied. Application to potatoes with less than 5 cm of soil cover may result in crop injury. Do not apply after cracking, this will result in severe crop injury Chateau will not be effective if applied prior to hilling Chateau 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.
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**STONE FRUIT**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail Green pigweed Hairy nightshade Kochia Redroot pigweed	280 g/ha (113.3 g/ac.) 420 g/ha (170 g/ac.) Coarse- textured with <5% OM- 140 g/ha Medium- textured with <5% OM- 210 g/ha	60	<p>Chateau 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.</p> <p>Only apply to healthy, established trees. Do not apply when plants are under stress from insects, diseases, animals, winter injury, planting shock or any other stresses.</p> <p>Chateau should be applied as a uniform broadcast application to the orchard floor or as a uniform band directed at the base of the trunk</p> <p>Do not make more than two applications in a growing season</p> <p>Do not make a sequential application within 30 days of the first application</p> <p>Do not apply within 100 metres of non-dormant pears</p> <p>Do not apply after budbreak unless using hooded or shielded application equipment and applicator can ensure the spray drift will not contact the crop fruit or foliage</p>
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**STRAWBERRY**

Canada fleabane Common lamb's-quarters Common ragweed Dandelion Eastern black nightshade Green foxtail (suppression) Green pigweed Hairy nightshade Kochia Redroot pigweed	210 g/ha (85 g/ac.) Coarse- and medium- textured with <5% OM		<p>Broadcast applications may be made to dormant strawberries</p> <p>For non-dormant strawberries, applications must be made to row middles only, using a hooded or shielded sprayer</p> <p>Do not make more than one application per growing season</p> <p>Do not allow spray drift to come in contact with fruit or foliage</p> <p>Application after fruit set may result in spotting of fruit and should be avoided. Do not apply after fruit set.</p>
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**SWEET POTATO**

Suppression of: Common lamb's-quarters Common ragweed Eastern black nightshade Green pigweed Hairy nightshade Redroot pigweed	105 g/ha (42.5 g/ac.) Coarse- and medium- textured with <5% OM		<p>Do not apply more than 105 g of Chateau per hectare during a single growing season</p> <p>Apply Chateau prior to transplanting, do not apply after sweet potato slips have been transplanted</p> <p>Do not plant greenhouse grown transplants/slips into Chateau treated fields</p> <p>Do not use on any sweet potato variety other than "Beauregard", unless user has tested Chateau on other variety and has found crop tolerance to be acceptable</p> <p>Do not apply as part of any tank mix, if tank mix is applied before transplanting</p>
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Always read and follow the product label for more detailed information on control of weeds, insects or disease, application directions, and use precautions. Please refer to label for more information including future label expansions that may include new crops, pests and use patterns. Please refer to label for re-entry periods.

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