

# Supplemental Label



EPA Reg. No. 59639-99  
(EXCEPT NEW YORK)

## CHATEAU® HERBICIDE SW USE ON: POME FRUIT AND STONE FRUIT

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

### GENERAL INFORMATION

*Chateau* SW should be applied at 6 to 12 oz/A as a uniform broadcast application to the orchard floor or as a uniform band directed at the base of the tree trunk. A maximum *Chateau* SW rate of 6 oz/A per application should be used on any soil that has a sand content over 80% if trees are under three years of age. The preferred application timing for *Chateau* SW 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.

*Chateau* SW should be tank mixed with a labeled burndown herbicide for control of the emerged weeds listed Table 1, Weeds Controlled by Postemergence Activity of *Chateau* SW Tank Mixes. Refer to tank mix partner's label for additional weed species and increased weed heights claimed. Refer to tank mix partner's label for additional restrictions, including minimum carrier volume and crops in which tank mix partner may be used. Burndown tank mix partners include glyphosate, paraquat, 2,4-D and Rely®. Refer to Table 2, Weeds Controlled by Preemergence Application of *Chateau* SW, for weeds controlled by the residual activity of *Chateau* SW.

Residual weed control will be reduced if vegetation prevents the *Chateau* SW from reaching the soil surface. If vegetation is heavy, it is recommended to use a burndown herbicide with *Chateau* SW and make a sequential *Chateau* SW application when new weeds begin to emerge.

### CARRIER VOLUME AND SPRAY PRESSURE

To ensure thorough coverage in burndown applications, use 15 to 75 gallons spray solution per acre. Use higher gallonage if dense vegetation or heavy crop residue is present.

Nozzle selection should meet manufacturer's gallonage and pressure recommendations.

Rate listed in Table 1, Weeds Controlled by Postemergence Activity of *Chateau* SW Tank Mixes, refers to a broadcast application covering the entire acre. When making a banded application, the rate must be reduced according to the following formula:

Amount Needed per Acre for Banded Application	=	$\frac{\text{Band Width in Inches}}{\text{Row Width in Inches}}$	X	Rate per Broadcast Acre
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### SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and grower must consider the interaction of equipment and weather related factors to ensure that the potential for drift to sensitive non-target plants is minimal.

## GENERAL RESTRICTIONS AND LIMITATIONS

- Do not apply more than 12 oz of *Chateau* SW per acre during a single application.
- Do not apply more than 24 oz of *Chateau* SW per acre during a 12 month period.
- Do not make a sequential application within 30 days of the first application.
- Do not apply within 60 days of harvest.
- Do not apply to trees established less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed containers.
- Do not apply after bud break through final harvest unless using shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage.
- Do not apply after petal fall unless using hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage.
- Follow the most restrictive label limitations and precautions of the tank mix product(s) being used.
- Avoid direct or indirect spray contact to foliage and green bark (non-barked trunk).
- Do not apply to pears during the period after bloom through final harvest.

**Table 1. Weeds Controlled by Postemergence Activity of *Chateau* SW Tank mixes**

<b>BROADLEAF WEED SPECIES</b>			
<b>Common Name</b>	<b>Scientific Name</b>	<b>Weed Height/Length (Inches)</b>	<b><i>Chateau</i> SW Rate</b>
Bindweed, Field <sup>1</sup>	<i>Convolvulus arvensis</i>	8	6 to 12 oz/A
Carpetweed	<i>Mollugo verticillata</i>	4	
Chickweeds			
Common	<i>Stellaria media</i>	4	
Mouseear	<i>Cerastium vulgatum</i>	4	
Cocklebur, Common	<i>Xanthium strumarium</i>	4	
Eveningprimrose, Cutleaf <sup>2</sup>	<i>Oenothera laciniata</i>	12	
Filaree			
Broadleaf	<i>Erodium botrys</i>	4	
Redstem	<i>Erodium cicutarium</i>	4	
Florida Beggarweed	<i>Desmodium tortuosum</i>	2	
Hemp Sesbania	<i>Sesbania exaltata</i>	8	
Jimsonweed	<i>Datura stramonium</i>	4	
Lambsquarters, Common	<i>Chenopodium album</i>	4	
Morningglories			
Entireleaf	<i>Ipomoea hederacea</i> var. <i>integriuscula</i>	4	
Ivyleaf	<i>Ipomoea hederacea</i>	4	
Pitted	<i>Ipomoea lacunosa</i>	6	
Red/Scarlet	<i>Ipomoea coccinea</i>	4	
Tall	<i>Ipomoea purpurea</i>	4	
Pigweeds			
Palmer Amaranth	<i>Amaranthus palmeri</i>	6	
Redroot	<i>Amaranthus retroflexus</i>	6	
Smooth	<i>Amaranthus hybridus</i>	6	
Plaintain, Broadleaf	<i>Plantago major</i>	6	
Prickly Sida (Teaweed)	<i>Sida spinosa</i>	6	
Purslanes			
Common	<i>Portulaca oleracea</i>	4	
Rock	<i>Calandrinia</i> spp.	2	
Ragweeds			
Common	<i>Ambrosia artemisiifolia</i>	2	
Giant	<i>Ambrosia trifida</i>	4	
Sicklepod	<i>Senna obtusifolia</i>	4	

continued

<sup>1</sup> *Chateau* SW will only provide control of the above ground portion of bindweed. Repeated applications will be needed to control regrowth.

<sup>2</sup> For acceptable control, cutleaf eveningprimrose should be 12 inches or less and in the rosette stage. Crop oil concentrate, at 1 pt/A or non-ionic surfactant at 0.25% v/v, should be added to glyphosate tank mixes for cutleaf eveningprimrose control, including glyphosate formulations that contain a built-in adjuvant system.

**Table 1. Weeds Controlled by Postemergence Activity of Chateau SW Tank mixes - (continued)**

BROADLEAF WEED SPECIES			
Common Name	Scientific Name	Weed Height/Length (Inches)	Chateau SW Rate
Smartweeds			6 to 12 oz/A
Ladysthumb	<i>Polygonum persicaria</i>	4	
Pale	<i>Polygonum lapathifolium</i>	4	
Pennsylvania	<i>Polygonum pensylvanicum</i>	4	
Rice Flatsedge	<i>Cyperus iria</i>	4	
Spotted Spurge	<i>Euphorbia maculata</i>	4	
Velvetleaf	<i>Abutilon theophrasti</i>	4	
Venice Mallow	<i>Hibiscus trionum</i>	4	
Waterhemp			
Common	<i>Amaranthus rudis</i>	2	
Tall	<i>Amaranthus tuberculatus</i>	2	
Wild Mustard	<i>Brassica kaber</i>	6	

**Table 2. Weeds Controlled by Preemergence Application of Chateau SW**

BROADLEAF WEED SPECIES				
Common Name	Scientific Name	Organic Matter	Soil Type	Chateau SW Rate
Bristly Starbur	<i>Acanthospermum hispidum</i>	Up to 10% <sup>1</sup>	All Soil Types <sup>2</sup>	12 oz/A
Carpetweed	<i>Mollugo verticillata</i>			
Chickweeds				
Common	<i>Stellaria media</i>			
Mouseear	<i>Cerastium vulgatum</i>			
Coffee Senna	<i>Cassia occidentalis</i>			
Dandelion	<i>Taraxacum officinale</i>			
Eclipta	<i>Eclipta prostrata</i>			
Eveningprimrose, Cutleaf	<i>Oenothera laciniata</i>			
Filaree				
Redstem	<i>Erodium cicutarium</i>			
Whitstem	<i>Erodium moschatum</i>			
Fleabane	<i>Erigeron</i> spp.			
Florida Beggarweed	<i>Desmodium tortuosum</i>			
Florida Pusley	<i>Richardia scabra</i>			
Golden Crownbeard	<i>Verbesina encelioides</i>			
Groundsel, Common	<i>Senecio vulgaris</i>			
Hairy Indigo	<i>Indigofera hirsute</i>			
Hemp Sesbania	<i>Sesbania exaltata</i>			
Henbit	<i>Lamium amplexicaule</i>			
Jimsonweed	<i>Datura stramonium</i>			
Kochia	<i>Kochia scoparia</i>			
Lambsquarters, Common	<i>Chenopodium album</i>			
Mallow				
Common (Cheeseweed)	<i>Malva neglecta</i>			
Little Mallow	<i>Malva parviflora</i>			
Horseweed/Marestail	<i>Conyza Canadensis</i>			

continued

<sup>1</sup> Chateau SW can be used on soils with greater than 10% organic matter; however, length of residual control may be shorter than on soils with lower organic matter content.

<sup>2</sup> A maximum Chateau SW rate of 6 oz/A per application should be used on any soil that has a sand content over 80% if trees are under 3 years of age.

**Table 2. Weeds Controlled by Preemergence Application of *Chateau SW*** (continued)

<b>BROADLEAF WEED SPECIES</b>				
<b>Common Name</b>	<b>Scientific Name</b>	<b>Organic Matter</b>	<b>Soil Type</b>	<b><i>Chateau SW</i> Rate</b>
Morningglories Entireleaf	<i>Ipomoea hederacea</i> var. <i>integriuscula</i>	Up to 10% <sup>1</sup>	All Soil Types <sup>2</sup>	12 oz/A
Ivyleaf	<i>Ipomoea hederacea</i>			
Red/Scarlet	<i>Ipomoea coccinea</i>			
Smallflower	<i>Jacquemontia tamnifolia</i>			
Tall	<i>Ipomoea purpurea</i>			
Mustards				
Tumble	<i>Sisymbrium altissimum</i>			
Wild	<i>Brassica kaber</i>			
Nightshades				
Black	<i>Solanum nigrum</i>			
Eastern Black	<i>Solanum ptycanthum</i>			
Hairy	<i>Solanum sarrachoides</i>			
Pigweeds				
Palmer Amaranth	<i>Amaranthus palmeri</i>			
Redroot	<i>Amaranthus retroflexus</i>			
Smooth	<i>Amaranthus hybridus</i>			
Spiny Amaranth	<i>Amaranthus spinosus</i>			
Tumble	<i>Amaranthus albus</i>			
Prickly Lettuce (China Lettuce)	<i>Lactuca serriola</i>			
Prickly Sida (Teaweed)	<i>Sida spinosa</i>			
Puncturevine	<i>Tribulus terrestris</i>			
Purslane, Common	<i>Portulaca oleracea</i>			
Radish, Wild	<i>Raphanus raphanistrum</i>			
Ragweed, Common	<i>Ambrosia artemisiifolia</i>			
Redmaids	<i>Calandrinia ciliata</i> var. <i>menziesii</i>			
Redweed	<i>Melochia corchorifolia</i>			
Shepherd's-purse	<i>Capsella bursa-pastoris</i>			
Sowthistle, Annual <sup>3</sup>	<i>Sonchus oleraceus</i>			
Spotted Spurge	<i>Euphorbia maculata</i>			
Spurred Anoda	<i>Anoda cristata</i>			
Thistle, Russian	<i>Salsola iberica</i>			
Tropic Croton	<i>Croton glandulosus</i>			
Venice Mallow	<i>Hibiscus trionum</i>			
Waterhemp				
Common	<i>Amaranthus rudis</i>			
Tall	<i>Amaranthus tuberculatus</i>			
Wild Poinsettia	<i>Euphorbia heterophylla</i>			
<b>GRASS WEED SPECIES</b>				
Barnyardgrass	<i>Echinochloa crus-galli</i>			
Bluegrass, Annual	<i>Poa annua</i>			
California Lovegrass	<i>Eragrostis diffusa</i>			
Crabgrass				
Large	<i>Digitaria sanguinalis</i>			
Smooth	<i>Digitaria ischaemum</i>			

continued

<sup>1</sup> *Chateau SW* can be used on soils with greater than 10% organic matter; however, length of residual control may be shorter than on soils with lower organic matter content.

<sup>2</sup> A maximum *Chateau SW* rate of 6 oz/A per application should be used on any soil that has a sand content over 80% if trees are under 3 years of age.

<sup>3</sup> Except CA

**Table 2. Weeds Controlled by Preemergence Application of *Chateau SW* (continued)**

<b>BROADLEAF WEED SPECIES</b>				
<b>Common Name</b>	<b>Scientific Name</b>	<b>Organic Matter</b>	<b>Soil Type</b>	<b><i>Chateau SW</i> Rate</b>
Foxtails Bristly Giant Green Yellow Goosegrass Guineagrass Johnsongrass, Seedling Signalgrass, Broadleaf Panicum Fall Texas	<i>Setaria verticillata</i> <i>Setaria faberi</i> <i>Setaria viridis</i> <i>Setaria glauca</i> <i>Eleusine indica</i> <i>Panicum maximum</i> <i>Sorghum halepense</i> <i>Brachiaria platyphylla</i>  <i>Panicum dichotomiflorum</i> <i>Panicum texaum</i>	Up to 10% <sup>1</sup>	All Soil Types <sup>2</sup>	12 oz/A

<sup>1</sup>*Chateau SW* can be used on soils with greater than 10%; however, length of residual control may be shorter than on soils with lower organic matter content.

<sup>2</sup>A maximum *Chateau SW* rate of 6 oz/A per application should be used on any soil that has a sand content over 80% if trees are under 3 years of age.

**ADDITIONAL RESIDUAL WEED CONTROL**

*Chateau SW* may be tank mixed with oryzalin (Surflan®), simazine, or diuron for additional residual weed control. Always read and follow label use directions for all products being used.

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. PLEASE REFER TO CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS. FOLLOW ALL APPLICATION DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA REGISTERED LABEL.**

**PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.**

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**Read and follow the label instructions before using.**

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