

Supplemental Label



EPA Reg. No. 59639-119
(Except New York)

CHATEAU® HERBICIDE WDG: FOR USE ON GRAPE REVISED USE PRECAUTIONS

THIS SUPPLEMENTAL LABEL SUPERCEDES PREVIOUS LABELING FOR GRAPES.

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 RESTRICTIONS AND LIMITATIONS

- Do not apply more than 12 oz of *Chateau* WDG per acre during a single application.
- Do not apply more than 24 oz of *Chateau* WDG per acre during a 12 month period.
- Do not make a sequential application within 30 days of the first application.
- A maximum *Chateau* WDG rate of 6 oz/A per application should be used on any soil that has a sand plus gravel content over 80% if vines are less than 3 years of age.
- 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 300 yards 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 mow treated areas between bud break and final harvest. Dust created by mowing may drift onto desirable vegetation resulting in injury.
- 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 vines with the exception of undesirable suckers).

Chateau WDG should be applied as a uniform band directed at the base of the vine. The preferred application timing for *Chateau* WDG 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.

Preemergence Application

Apply 6 to 12 oz (0.188 to 0.38 lb ai/A) of *Chateau* WDG per broadcast acre as a preemergence application. Preemergence (to weed emergence) applications of *Chateau* WDG should be made to a weed-free soil surface. Preemergence applications of *Chateau* WDG must be completed prior to weed emergence. Moisture is necessary to activate *Chateau* WDG on soil for residual weed control. Dry weather following application of *Chateau* WDG may reduce effectiveness. However, when adequate moisture is received after dry conditions, *Chateau* WDG will control susceptible germinating weeds.

Postemergence Application

Apply 6 to 12 oz (0.188 to 0.38 lb ai/A) of *Chateau* WDG per broadcast acre plus an adjuvant (0.25% v/v non-ionic surfactant or 1 qt/A crop oil concentrate). The addition of an adjuvant enhances *Chateau* WDG activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of *Chateau* WDG.

Refer to Table 1 for weeds controlled by the residual activity of *Chateau* WDG. *Chateau* WDG should be tank mixed with a labeled burndown herbicide for control of the emerged weeds listed in Table 2. 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[®]. Tank mixes with glyphosate or 2,4-D containing products are not recommended during the period after bloom through final harvest to ensure crop safety from drift.

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

Carrier Volume and Spray Pressure

To ensure thorough coverage in burndown applications, use a minimum of 15 gallons of 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.

Banded Application

Rates listed in Table 2 refer 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	=	$\frac{\text{Band Width ininches}}{\text{Row Width in inches}}$	X	Rate per Broadcast Acre
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USE PRECAUTIONS

- Do not apply within 60 days of harvest.
- Do not apply to grapes established less than 2 years unless they are trellised at least 3 ft from the soil surface or are protected from spray contact by non-porous wrap, grow tubes or waxed containers.
- Do not apply to grapes that are not trellised or staked unless they are free standing.
- Avoid direct or indirect spray contact to foliage and green bark (non-barked vines, with the exception of undesirable suckers).

- New plantings of “own-rooted varieties”, such as Concord, should be planted so that all roots are a minimum 8 inches 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 4 to 5 inches above the vineyard floor.

Juice, Raisin and Wine Grapes

- Do not apply during the period 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. Shielded applications during this time period should not be made with glyphosate or products containing glyphosate.

Table Grapes

- *Chateau* WDG may be applied during the period following final harvest up to bud break.
- Do not apply after bud break.

ADDITIONAL RESIDUAL WEED CONTROL

Chateau WDG maybe 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.

Table 1. Weeds Controlled by Preemergence Application of *Chateau* WDG

BROADLEAF WEED SPECIES				
COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	CHATEAU WDG RATE
Bristly Starbur	<i>Acanthospermum hispidum</i>	Up to 10% ¹	All Soil Types ²	6 to 12 oz/A ²
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>			
Whitestem	<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>			
Hairy Indigo	<i>Indigofera hirsute</i>			

continued

¹ *Chateau* WDG 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.

² A maximum *Chateau* WDG rate of 6 oz/A per application should be used on any soil that has a sand plus gravel content over 80% if vines are under 3 years of age.

Table 1. Weeds Controlled by Preemergence Application of *Chateau* WDG (continued)

BROADLEAF WEED SPECIES				
COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	CHATEAU WDG RATE
Hemp Sesbania	<i>Sesbania exaltata</i>	Up to 10% ¹	All Soil Types ²	6 to 12 oz/A ²
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>			
Morningglories				
Entireleaf	<i>Ipomoea hederacea</i> <i>var. integriuscula</i>			
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 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>menziessi</i>			

continued

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Table 1. Weeds Controlled by Preemergence Application of *Chateau* WDG (continued)

BROADLEAF WEED SPECIES							
COMMON NAME	SCIENTIFIC NAME	ORGANIC MATTER	SOIL TYPE	CHATEAU WDG RATE			
Redweed	<i>Melochia corchorifolia</i>	Up to 10% ¹	All Soil Types ²	6 to 12 oz/A ²			
Shepherd's-Purse	<i>Capsella bursa-pastoris</i>						
Sowthistle, Annual	<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>						
GRASS WEED SPECIES							
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>						
Foxtails							
Bristly	<i>Setaria verticillata</i>						
Giant	<i>Setaria faberi</i>						
Green	<i>Setaria viridis</i>						
Yellow	<i>Setaria glauca</i>						
Goosegrass	<i>Eleusine indica</i>						
Guineagrass	<i>Panicum maximum</i>						
Johnsongrass, Seedling	<i>Sorghum halepense</i>						
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>						
Panicum							
Fall	<i>Panicum dichotomiflorum</i>						
Texas	<i>Panicum texaum</i>						

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² A maximum *Chateau* WDG rate of 6 oz/A per application should be used on any soil that has a sand plus gravel content over 80% if vines are under 3 years of age.

Table 2. Weeds Controlled by Postemergence Activity of *Chateau* WDG Tank mixes

BROADLEAF WEED SPECIES			
COMMON NAME	SCIENTIFIC NAME	WEED HEIGHT/LENGTH (inches)	CHATEAU WDG RATE
Bindweed, Field ¹	<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 ²	<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	
Plantain, 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

¹ *Chateau* WDG will only provide control of the above ground portion of bindweed. Repeated applications will be needed to control regrowth.

² 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 2. Weeds Controlled by Postemergence Activity of *Chateau* WDG Tank mixes
(continued)

BROADLEAF WEED SPECIES			
COMMON NAME	SCIENTIFIC NAME	WEED HEIGHT/LENGTH (inches)	CHATEAU WDG RATE
Smartweeds			6 to 12 oz/A
Ladysthumb	<i>Polygonum persicaria</i>	4	
Pale	<i>Polygonum lapathifolium</i>	4	
Pennsylvania	<i>Polygonum pennsylvanicum</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	

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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