



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211A

OPERATOR: Calif. Dept. of Parks and Recreation CONTACTS: Nathaniel Wigington, Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: Brush Weeds, esp. Ailanthus & Arundo

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties, especially where ailanthus is present.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Polaris (or Habitat or Stalker or Rotary 2SL)	Variable	1.5 gallons	} Variable
(2) Roundup Custom (or Roundup Pro Concentrate)	Variable	2.5 gallons	Volume -
(3) Competitor (or Hasten-EA)	Variable	3.0 gallons	} Spot
(4) Hi-Light Blue or Colorfast Purple Dye	Variable	1 quart	Treatment

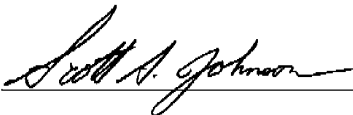
HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS
- DO NOT ALLOW DRIFT FROM TREATMENT AREA
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

QAC/QAL: Parks staff or contract QAL DATE: As needed in 2020 METHOD: Low Volume Foliar

COMMENTS: ***For use with ATV or backpack sprayer (±25-35 gpa).*** Fill mix tank half-full of water. Next, mix in Polaris (or Habitat or Stalker or Rotary 2SL). Add more water and then Roundup Custom. Fill remainder of tank and mix in Syl-Tac EA. When surfactant is COMPLETELY blended with water, mix in dye last. Apply as a directed foliar spray, using as low pressure as possible to minimize drift potential. Spray target foliage with low volume foliar technique. Direct spray away from desirable plants, as damage may occur. Areas of dense weeds or brush growth may require re-treatment, especially re-sprouting species. ***In terrestrial sites, Roundup Pro Concentrate may be substituted for Roundup Custom (or Rodeo), and Hasten-EA for Competitor Aquatic Surfactant at the same concentrations. As an alternate — if imazapyr is not available — increase Roundup Custom (or Rodeo) to 5 percent.***

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature: 

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211B

OPERATOR: Calif. Dept. of Parks and Recreation CONTACTS: Nathaniel Wigington, Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: *Pest Trees, esp. Ailanthus*

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties, especially where ailanthus is present.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 3 inches dbh	VOLUME PER ACRE
(1) Polaris (or Habitat or Ecomazapyr) Herbicide	Variable	1 ml	} Variable
			} Hack & Squirt
(2) Hi-Light Blue (optional)	Variable	1.0 quart	} Application

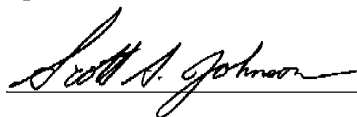
HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS
- DO NOT ALLOW DRIFT FROM TREATMENT AREA
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

QAC/QAL: Parks staff or contract QAL. DATE: As needed in 2020 METHOD: Hack and Squirt

COMMENTS: Use for large standing trees. Make 1 cut with a hatchet or similar equipment for each 3 inches dbh. Spray approximately 1.0 milliliter of undiluted Polaris (or Habitat or Ecomazapyr) into each cut. *Trees less than 3 inches in basal diameter (or with juvenile bark) may be treated with the basal bark method (see companion Recommendations No. 191211C).*

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature: 

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211C

OPERATOR: Calif. Dept. of Parks and Recreation CONTACTS: Nathaniel Wigington, Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: *Pest Trees, esp. Ailanthus*

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties, especially where ailanthus is present.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Stalker (or Rotary 2SL) Herbicide	Variable	5 gallons	} Variable -
(2) Garlon 4 Ultra	Variable	15 gallons	} Low
(3) Hasten-EA Adjuvant	Variable	80 gallons	Volume
(4) Bas-Oil Red Dye (optional—to check coverage)	Variable	1 quart	} Basal Bark

HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS
- **OBSERVE TRICLOPYR STEWARDSHIP PROGRAM TEMPERATURE PRECAUTIONS**
- DO NOT ALLOW DRIFT FROM TREATMENT AREA
- DO NOT APPLY WHEN TEMPERATURE EXCEED 85° F NEAR DESIRABLE TREES/PLANTS
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

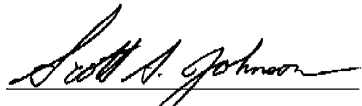
QAC/QAL: Parks staff or contract QAL DATE: As needed in 2020 METHOD: Low Volume Basal Bark*

COMMENTS: Treat any time of the year, except during the early spring “push”, i.e., development of new growth and new leaves, or when standing water is present at base of targets plants. Apply with a backpack sprayer or equivalent using low pressure (less than 30 psi) and a cone nozzle, such as a TeeJet 5500 Y-2 or X-2 adjustable cone tip. Apply Stalker (or Rotary 2SL)/Garlon 4 Ultra/oil/dye mixture as a basal application to the lower 15 to 19 inches of all target plants with juvenile bark or stems less than 4 inches in diameter. Thoroughly wet the lower stems, including the root collar area, but not to the point of runoff. Plants and trees with old or rough bark may not be well controlled by this method. However, if treatment is desired and partial control is acceptable, spray the 19 inches of smooth young bark closest to the base of the trunk.

* **Alternate Recommendation 1** – For fabaceae (legume) control, delete Stalker (or Rotary 2SL), increase Garlon 4 Ultra to 25 percent, and decrease Hasten-EA to 75 percent. Imazapyr (Stalker (or Rotary 2SL)) does not control broom or other legumes.

* **Alternate Recommendation 2** - Treat cambium area of cut surfaces of stems larger than 4 inches in diameter with undiluted Garlon 4 Ultra.

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature: 

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
 Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211D

OPERATOR: Calif. Dept. of Parks and Recreation CONTACTS: Nathaniel Wigington, Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: *Pest Trees, esp. Ailanthus*

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties, especially where ailanthus is present.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Hasten-EA (<i>or</i> Competitor) Adjuvant	Variable	50 gallons	} Variable
(2) Garlon 4 Ultra	Variable	50 gallons	} Basal Bark
(2) Bas-Oil Red Dye	Variable	1.0 quart	} Application

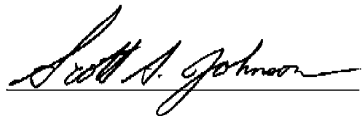
HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS
- **OBSERVE TRICLOPYR STEWARDSHIP PROGRAM TEMPERATURE PRECAUTIONS**
- DO NOT ALLOW DRIFT FROM TREATMENT AREA
- DO NOT APPLY WHEN TEMPERATURE EXCEED 85° F NEAR DESIRABLE TREES/PLANTS
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

QAC/QAL: Parks staff or contract QAL DATE: As needed in 2020 METHOD: Low Volume Basal Bark*

COMMENTS: Apply with a backpack sprayer using low pressure (less than 30 psi) and a cone nozzle, such as a TeeJet 5500 Y-2 adjustable cone tip. Apply Garlon 4 Ultra/oil/dye mixture as a basal application to the lower 15 to 19 inches of all target plants less than 3 inches in diameter with juvenile bark. Thoroughly wet the lower stems, including the root collar area, but not to the point of runoff. Trees with old or rough bark may not be well controlled by this method. However, if treatment is desired and partial control is acceptable, spray the 19 inches of smooth young bark closest to the base of the trunk. **Trees over 3 inches in basal diameter may be cut down and treated with the cut surface method using this same mix.*

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature: 

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211E

OPERATOR: Calif. Dept. of Parks and Recreation CONTACT: Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: Pepperweed, hoary cress

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties, including San Luis SRA.

MATERIAL(ADD IN ORDER LISTED)	RATE PER 4-G BACKPACK	RATE PER ACRE	VOLUME PER ACRE
(1) Telar XP Herbicide	4.54 grams	1 dry ounce	} 25 gallons
(2) Syl-Tac EA Adjuvant	19.9 ml	4 liquid ounces	
(3) Hi-Light Blue Spray Pattern Indicator*	38.9 ml	8 liquid ounces	

HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS. DO NOT ALLOW DRIFT FROM TREATMENT AREA.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- APPLY ONLY UNDER CALM CONDITIONS (WIND NO GREATER THAN 10 MPH)
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

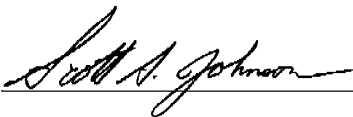
QAC/QAL: Parks staff or contract QAL DATE: Summer 2020 METHOD: Broadcast ground application

COMMENTS: **Summer Lepidium spray** — Fill tank half full of water. Mix Telar XP into water first. Add more water and then Syl-Tac EA, allowing each product to mix well before adding the next. Finally Hi-Light Blue Spray Pattern Indicator should be added last to help evaluate spray deposition. Thoroughly mix and agitate the spray solution. Apply uniformly over the treatment area with an overall broadcast spray. ****Areas where broadcast application is not possible may be spot-sprayed “to wet”.** **NOTE: A directed application of Recommendation 191211A (Polaris + Roundup Custom) may be used as an alternative treatment if Telar XP is not available.**

Apply another 2 ounces per acre of Telar XP after first fall 2020 fall rains to maintain broadleaf weed control, including yellow starthistle, and to aid release of native grass species.

*Add Hi-Light Blue Colorant when appropriate to increase spray deposition and to mitigate drift hazard. Hi-Light also aids in assessing spray pattern and nozzle wear.

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature: 

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431



WILBUR-ELLIS

AGRIBUSINESS

WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 191211F

OPERATOR: Calif. Dept. of Parks and Recreation CONTACT: Peter Stewart

ADDRESS: Central Valley District; 22708 Broadway St.; Columbia, CA 95310

Operator ID #: Tuolumne 55-20-5502915

SITE: State Park sites ACRES: Various spot treatments PESTS: Weeds and Brush

LOCATION: All Central Valley District State Parks and Recreation Areas in Amador, Calaveras, Tuolumne, Mariposa, Madera, Fresno, Merced, San Joaquin, and Santa Clara Counties.

MATERIAL (ADD IN ORDER LISTED)	RATE/4-GAL BACKPACK	RATE PER 100 GAL	VOLUME PER ACRE
(1) Tri-Fol Acidifier/Buffer	0.5 ounce	8.0 ounces	Variable
(2a) Garlon 4 Ultra —or—	6.0 ounces	4.0 quarts	Directed
(2b) Vastlan (new choline triclopyr)	8.0 ounces	5.33 quarts	Ground
(3) Roundup Pro Concentrate	6.0 ounces	4.0 quarts	Spot
(4) Syl-Tac-EA Adjuvant	0.75 ounce	1.0 pint	Spray
(5) Hi-Light Blue Colorant	1.5 ounces	1.0 quart	To Wet

HAZARDS AND/OR RESTRICTIONS:

- OBSERVE ALL LABEL PRECAUTIONS
- **OBSERVE TRICLOPYR STEWARDSHIP PROGRAM TEMPERATURE PRECAUTIONS**
- DO NOT ALLOW DRIFT FROM TREATMENT AREA.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER ★
- APPLY ONLY UNDER CALM CONDITIONS
- DO NOT GRAZE TREATED AREA WITHIN 14 DAYS OF APPLICATION
- RE-ENTRY DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

QAC/QAL: Parks staff or contract QAL DATE: As needed in 2020 METHOD: Ground

COMMENTS: **General “Clean-up spray. Use after existing inventories of older glyphosate products and surfactants have been used. ★*Note: in aquatic (or terrestrial) sites Roundup Custom (or similar aquatically-labeled glyphosate) may replace Roundup Pro Concentrate at the same rate; and Competitor or Hasten-EA may replace Syl-Tac-EA at 2 pints/100 gallons of mix.*** Fill mix tank half-full of water. If spray water pH is over 7.0, add Tri-Fol and mix well. Next mix in Garlon 4 Ultra (or Vastlan — new choline triclopyr), then add Roundup Pro Concentrate. Fill remainder of tank and mix in Syl-Tac-EA. When surfactant is COMPLETELY blended with water, mix in dye last. Apply as a directed foliar spray, using low pressure (20-30 psi) and 8005 or larger nozzles to minimize drift potential. Spray target foliage to wet with complete coverage. Direct spray away from desirable plants, as damage may occur. Areas of dense weed or brush growth may require re-treatment, especially re-sprouting species.

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: Pest is present.

Advisor's Signature:

Scott A. Johnson PCA License No. 074030 Date: 12/11/2019
Wilbur-Ellis Company; 1710 Fluetsch Court; Stockton, CA 95207-3431